

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141459.D
 Acq On : 05 Feb 2025 20:38
 Operator : RC/JU
 Sample : Q1280-02MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11984MSD

Quant Time: Feb 06 01:47:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	77703	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	306520	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	164997	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	275032	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	156525	20.000	ng	-0.02
86) Perylene-d12	15.421	264	183585	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	593897	117.338	ng	0.01
7) Phenol-d6	6.434	99	710380	110.328	ng	0.00
23) Nitrobenzene-d5	7.357	82	524417	90.191	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	231799	153.241	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	992144	92.553	ng	-0.01
79) Terphenyl-d14	12.904	244	973255	95.891	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.628	88	73434	32.989	ng	# 82
3) Pyridine	3.334	79	161104	30.038	ng	93
4) n-Nitrosodimethylamine	3.252	42	122862	40.101	ng	82
6) Aniline	6.457	93	197407	36.219	ng	# 49
8) 2-Chlorophenol	6.581	128	216345	39.880	ng	96
9) Benzaldehyde	6.340	77	79088	21.206	ng	99
10) Phenol	6.446	94	242993	35.601	ng	# 70
11) bis(2-Chloroethyl)ether	6.528	93	203421	38.870	ng	98
12) 1,3-Dichlorobenzene	6.734	146	212523	35.530	ng	100
13) 1,4-Dichlorobenzene	6.810	146	219469	36.523	ng	98
14) 1,2-Dichlorobenzene	6.957	146	207445	36.867	ng	99
15) Benzyl Alcohol	6.934	79	197221	44.821	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.069	45	334771	36.787	ng	84
17) 2-Methylphenol	7.051	107	176218	39.967	ng	# 93
18) Hexachloroethane	7.304	117	80292	36.220	ng	94
19) n-Nitroso-di-n-propyla...	7.204	70	156525	40.912	ng	100
20) 3+4-Methylphenols	7.204	107	223446	41.275	ng	# 83
22) Acetophenone	7.198	105	340371	46.716	ng	# 99
24) Nitrobenzene	7.375	77	231004	38.337	ng	100
25) Isophorone	7.610	82	420228	41.810	ng	99
26) 2-Nitrophenol	7.693	139	114442	40.271	ng	95
27) 2,4-Dimethylphenol	7.734	122	180248	49.832	ng	94
28) bis(2-Chloroethoxy)met...	7.822	93	254346	39.672	ng	99
29) 2,4-Dichlorophenol	7.940	162	189689	42.837	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	191211	37.811	ng	99
31) Naphthalene	8.092	128	636417	39.303	ng	100
32) Benzoic acid	7.857	122	131852	39.653	ng	94
33) 4-Chloroaniline	8.145	127	165109	30.069	ng	99
34) Hexachlorobutadiene	8.210	225	119384	40.256	ng	98
35) Caprolactam	8.510	113	34630	23.946	ng	97
36) 4-Chloro-3-methylphenol	8.634	107	210831	44.387	ng	95
37) 2-Methylnaphthalene	8.787	142	412231	40.054	ng	100
38) 1-Methylnaphthalene	8.887	142	398370	39.405	ng	98
40) 1,2,4,5-Tetrachloroben...	8.951	216	220770	47.033	ng	98
41) Hexachlorocyclopentadiene	8.939	237	227636	164.208	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	137957	44.902	ng	98

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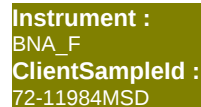
Quant Time: Feb 06 01:47:25 2025
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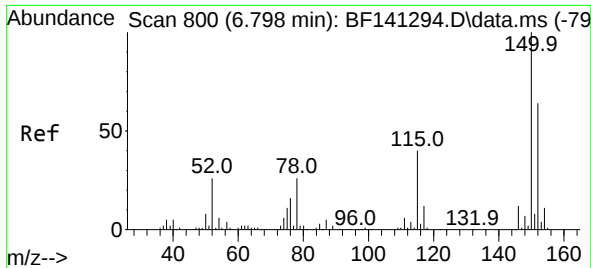
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	145573	43.533	ng	99
46) 1,1'-Biphenyl	9.251	154	606349	47.122	ng	99
47) 2-Chloronaphthalene	9.275	162	406577	40.537	ng	99
48) 2-Nitroaniline	9.375	65	145518	46.127	ng	98
49) Acenaphthylene	9.692	152	643369	45.825	ng	100
50) Dimethylphthalate	9.551	163	495755	44.487	ng	100
51) 2,6-Dinitrotoluene	9.616	165	113625	43.914	ng	98
52) Acenaphthene	9.863	154	420308	41.905	ng	99
53) 3-Nitroaniline	9.786	138	86964	34.292	ng	97
54) 2,4-Dinitrophenol	9.892	184	113651	94.489	ng	87
55) Dibenzofuran	10.034	168	590248	43.964	ng	96
56) 4-Nitrophenol	9.963	139	165073	89.004	ng	89
57) 2,4-Dinitrotoluene	10.022	165	152103	45.403	ng	93
58) Fluorene	10.381	166	468110	44.950	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	129361	49.173	ng	98
60) Diethylphthalate	10.257	149	487316	45.100	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	228856	44.988	ng	97
62) 4-Nitroaniline	10.398	138	112819	45.250	ng	88
63) Azobenzene	10.534	77	471834	43.625	ng	97
65) 4,6-Dinitro-2-methylph...	10.428	198	76598	47.085	ng	94
66) n-Nitrosodiphenylamine	10.492	169	407690	45.831	ng	98
67) 4-Bromophenyl-phenylether	10.863	248	141091	45.823	ng	99
68) Hexachlorobenzene	10.928	284	146701	44.916	ng	98
69) Atrazine	11.022	200	155593	52.314	ng	99
70) Pentachlorophenol	11.128	266	183730	96.064	ng	99
71) Phenanthrene	11.339	178	700635	47.391	ng	100
72) Anthracene	11.392	178	704249	48.617	ng	99
73) Carbazole	11.551	167	598333	46.582	ng	99
74) Di-n-butylphthalate	11.880	149	717296	46.079	ng	99
75) Fluoranthene	12.527	202	655696	44.918	ng	98
77) Benzidine	12.657	184	89994	17.934	ng	99
78) Pyrene	12.757	202	642133	42.738	ng	100
80) Butylbenzylphthalate	13.380	149	231026	44.013	ng	100
81) Benzo(a)anthracene	13.951	228	474761	43.955	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	151317	44.048	ng	99
83) Chrysene	13.986	228	432622	43.704	ng	99
84) Bis(2-ethylhexyl)phtha...	13.939	149	284339	42.702	ng	98
85) Di-n-octyl phthalate	14.569	149	424303	41.027	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	511730	43.187	ng	95
88) Benzo(b)fluoranthene	14.998	252	508923	44.070	ng	98
89) Benzo(k)fluoranthene	15.027	252	431826	42.211	ng	99
90) Benzo(a)pyrene	15.363	252	469852	48.148	ng	98
91) Dibenzo(a,h)anthracene	16.886	278	420713	44.132	ng	96
92) Benzo(g,h,i)perylene	17.298	276	366746	36.999	ng	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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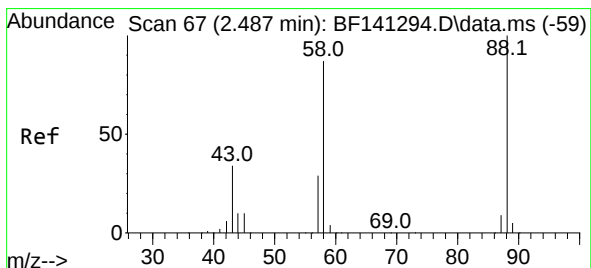
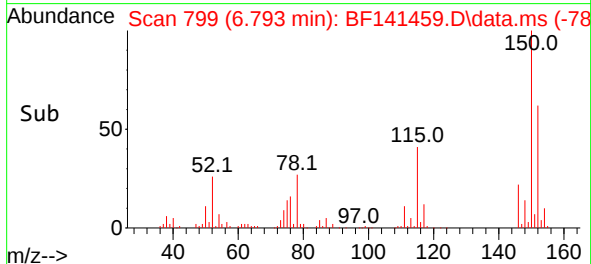
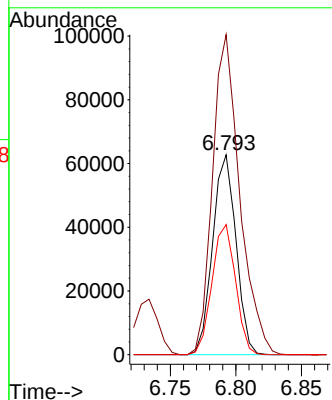
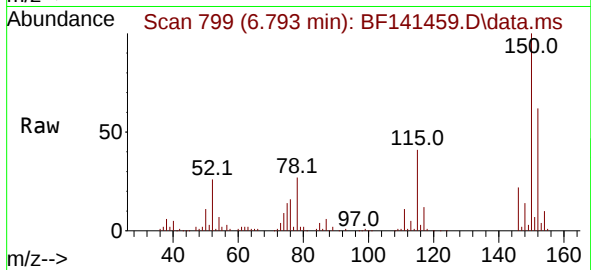




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.793 min Scan# 71
 Delta R.T. -0.011 min
 Lab File: BF141459.D
 Acq: 05 Feb 2025 20:38

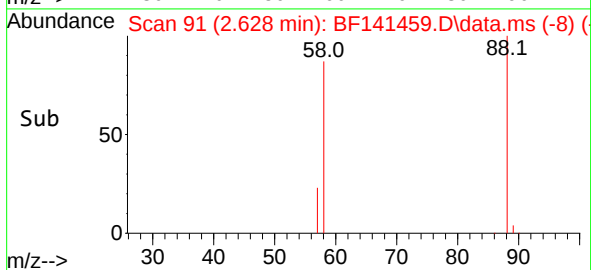
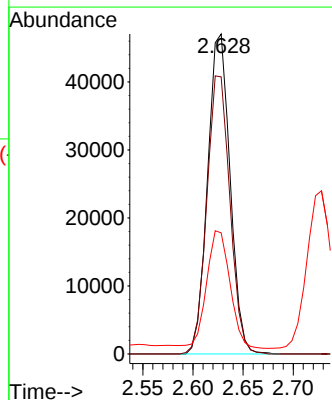
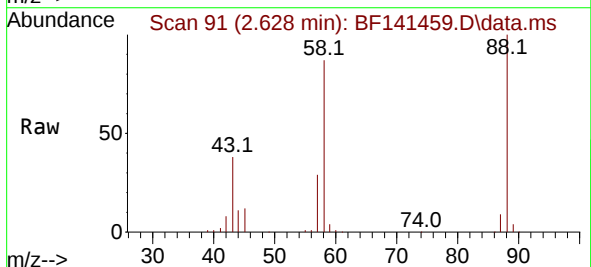
Instrument :
 BNA_F
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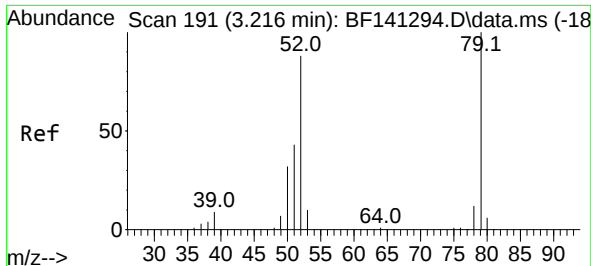
Tgt Ion:152 Resp: 77703
 Ion Ratio Lower Upper
 152 100
 150 160.1 125.9 188.9
 115 65.1 49.7 74.5



#2
 1,4-Dioxane
 Concen: 32.989 ng
 RT: 2.628 min Scan# 91
 Delta R.T. 0.135 min
 Lab File: BF141459.D
 Acq: 05 Feb 2025 20:38

Tgt Ion: 88 Resp: 73434
 Ion Ratio Lower Upper
 88 100
 58 89.4 70.2 105.4
 43 0.0 27.6 41.4#





#3

Pyridine

Concen: 30.038 ng

RT: 3.334 min Scan# 211

Delta R.T. 0.106 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

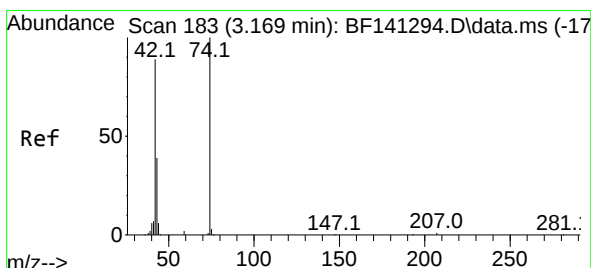
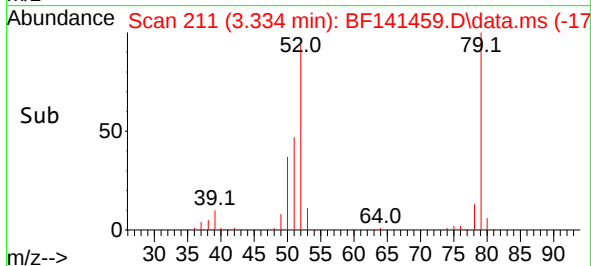
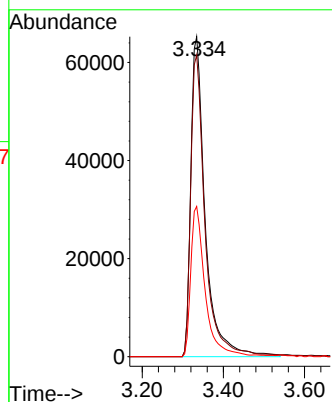
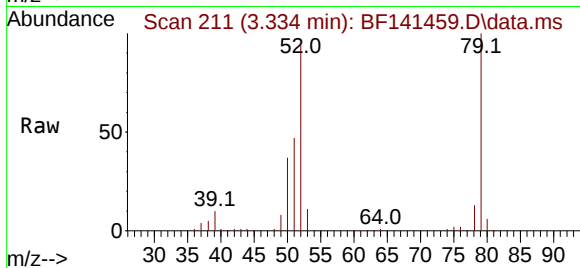
Tgt Ion: 79 Resp: 161104

Ion Ratio Lower Upper

79 100

52 94.3 70.3 105.5

51 46.9 34.3 51.5



#4

n-Nitrosodimethylamine

Concen: 40.101 ng

RT: 3.252 min Scan# 197

Delta R.T. 0.053 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

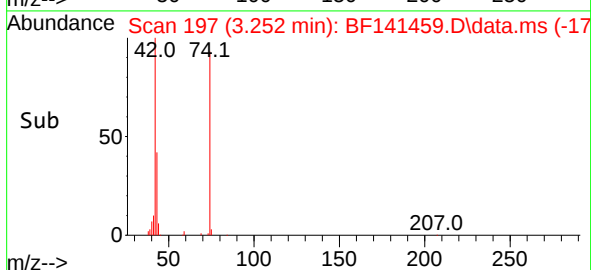
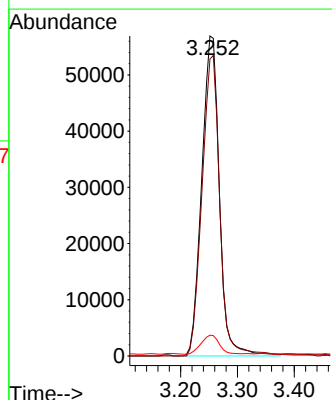
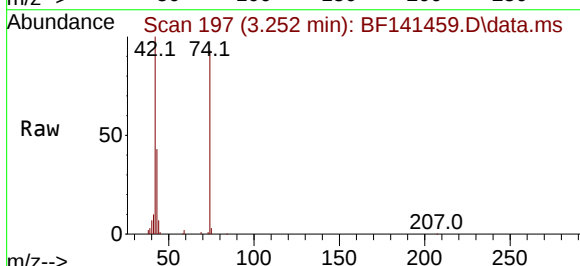
Tgt Ion: 42 Resp: 122862

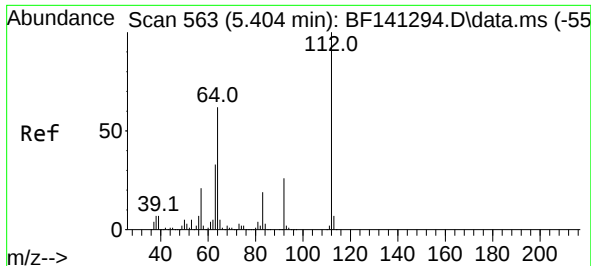
Ion Ratio Lower Upper

42 100

74 92.8 90.3 135.5

44 6.5 5.7 8.5

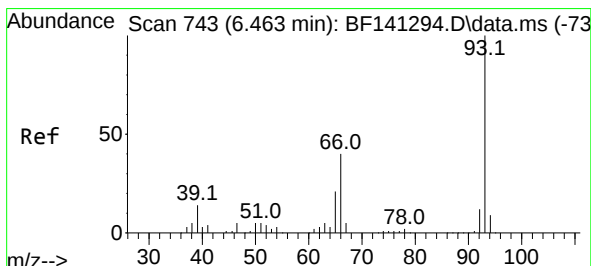
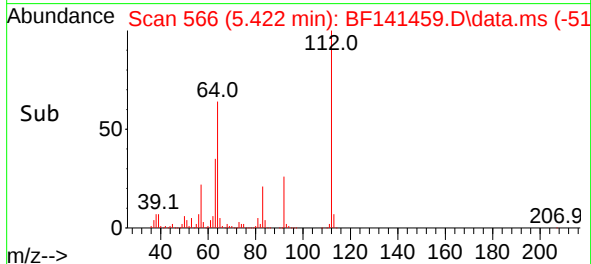
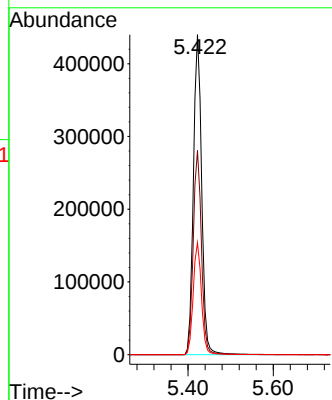
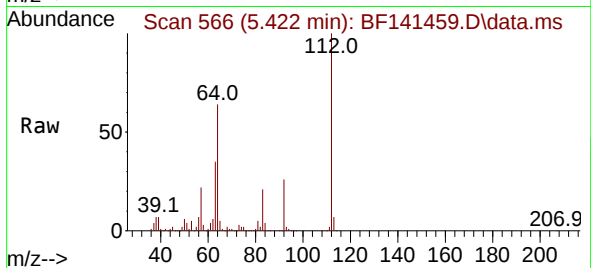




#5
2-Fluorophenol
Concen: 117.338 ng
RT: 5.422 min Scan# 50
Delta R.T. 0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

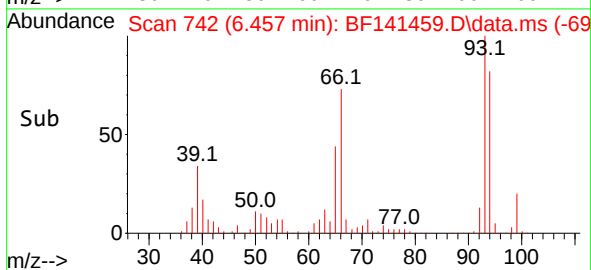
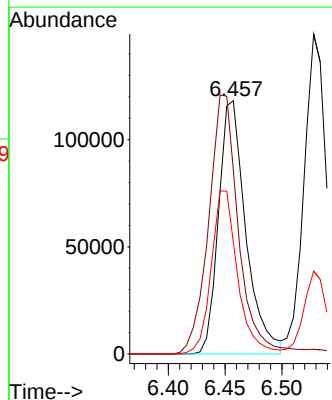
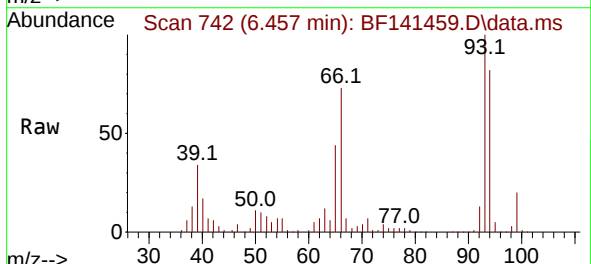
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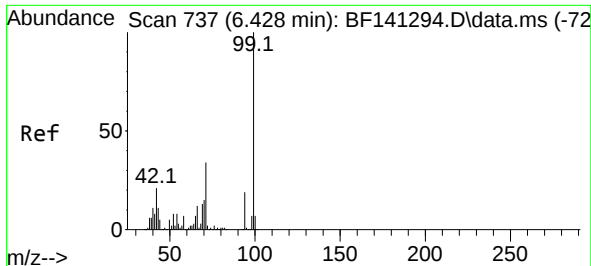
Tgt Ion:112 Resp: 593897
Ion Ratio Lower Upper
112 100
64 63.8 49.8 74.8
63 35.0 26.1 39.1



#6
Aniline
Concen: 36.219 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion: 93 Resp: 197407
Ion Ratio Lower Upper
93 100
66 72.7 32.5 48.7#
65 44.1 17.0 25.6#





#7

Phenol-d6

Concen: 110.328 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

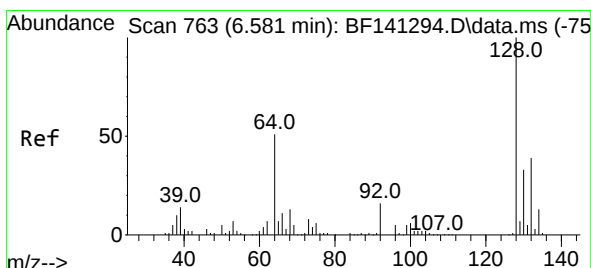
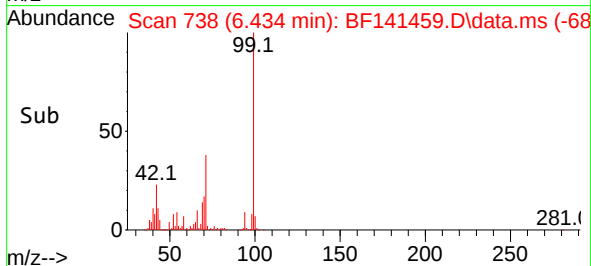
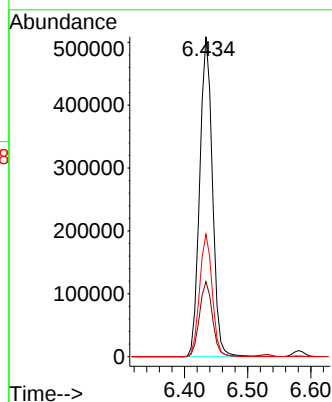
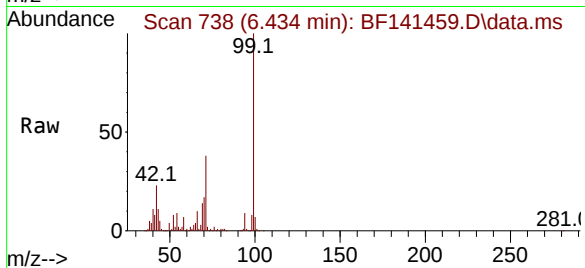
Tgt Ion: 99 Resp: 710380

Ion Ratio Lower Upper

99 100

42 23.4 17.1 25.7

71 38.3 26.9 40.3



#8

2-Chlorophenol

Concen: 39.880 ng

RT: 6.581 min Scan# 763

Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

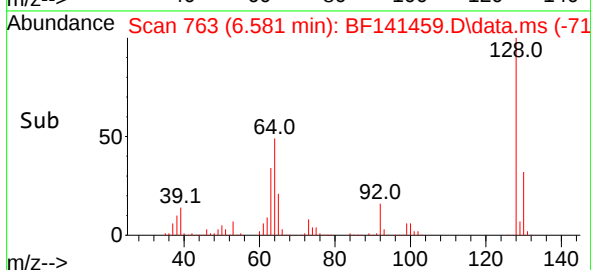
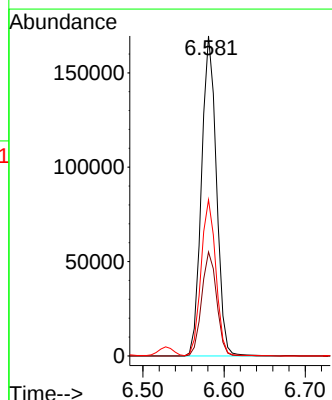
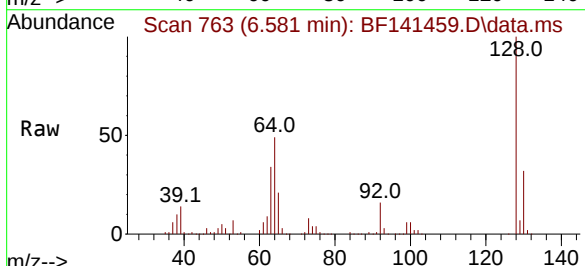
Tgt Ion:128 Resp: 216345

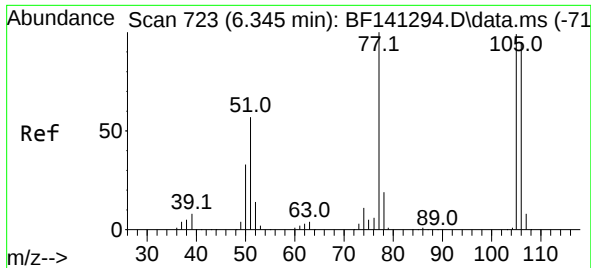
Ion Ratio Lower Upper

128 100

130 32.5 12.5 52.5

64 48.8 32.9 72.9

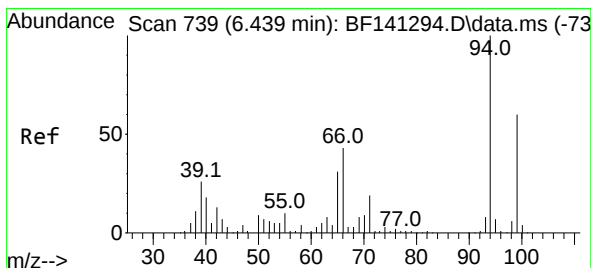
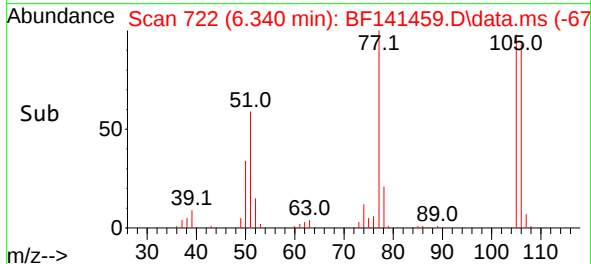
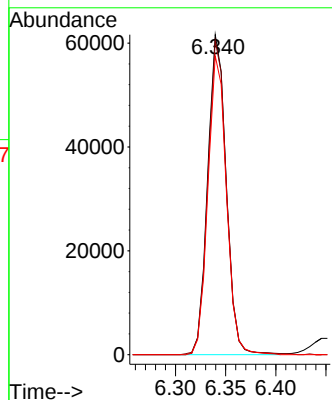
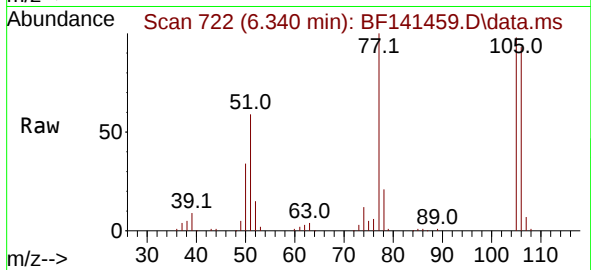




#9
Benzaldehyde
Concen: 21.206 ng
RT: 6.340 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

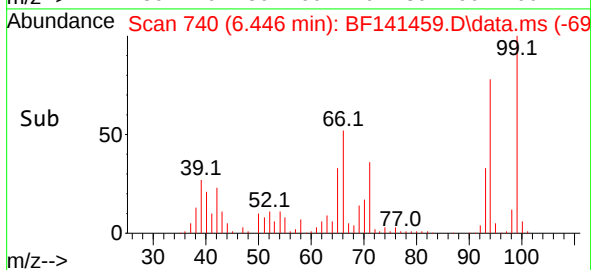
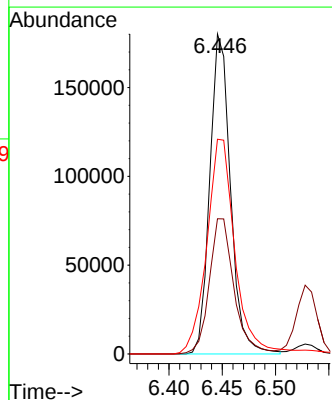
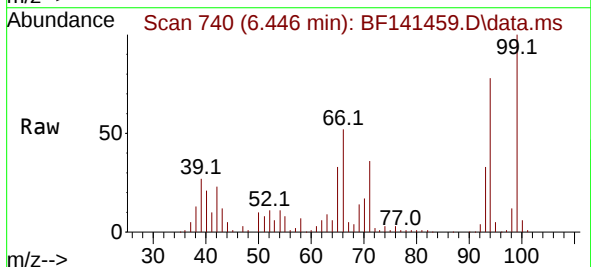
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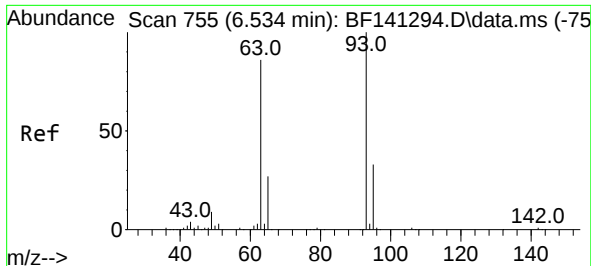
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Ion Ratio Lower Upper
77 100
105 98.1 79.4 119.4
106 93.3 74.6 114.6



#10
Phenol
Concen: 35.601 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion: 94 Resp: 242993
Ion Ratio Lower Upper
94 100
65 42.3 10.8 50.8
66 67.1 23.3 63.3#





#11

bis(2-Chloroethyl)ether

Concen: 38.870 ng

RT: 6.528 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

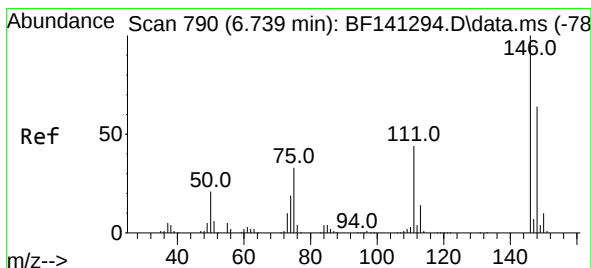
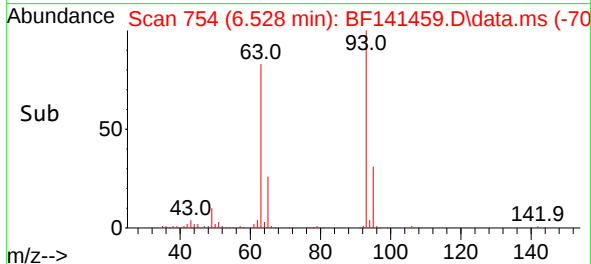
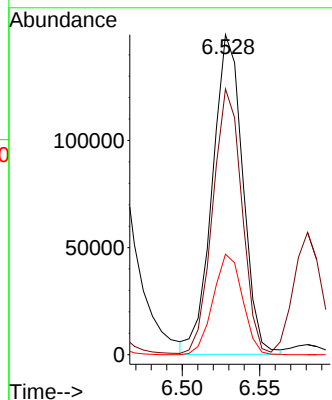
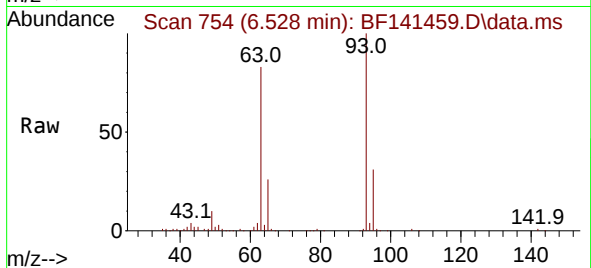
Tgt Ion: 93 Resp: 203421

Ion Ratio Lower Upper

93 100

63 83.1 65.0 105.0

95 31.4 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 35.530 ng

RT: 6.734 min Scan# 789

Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

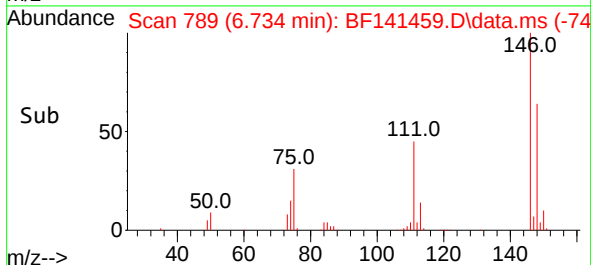
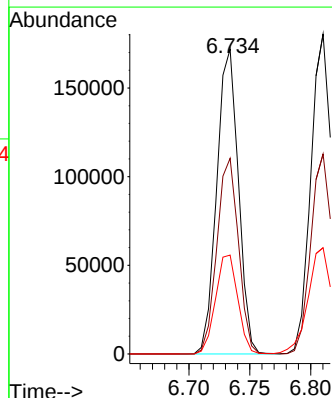
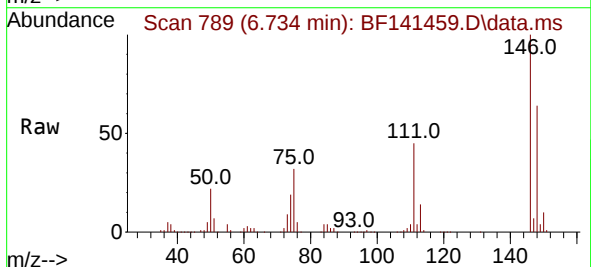
Tgt Ion:146 Resp: 212523

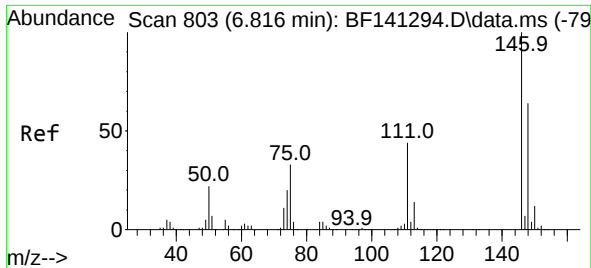
Ion Ratio Lower Upper

146 100

148 64.2 51.2 76.8

75 32.4 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 36.523 ng

RT: 6.810 min Scan# 803

Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

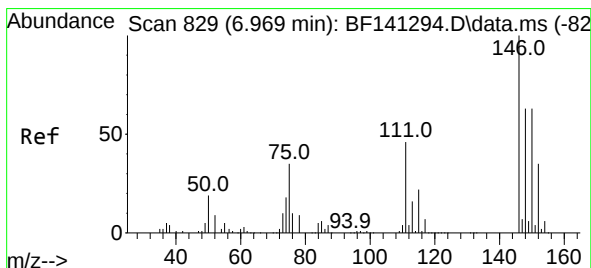
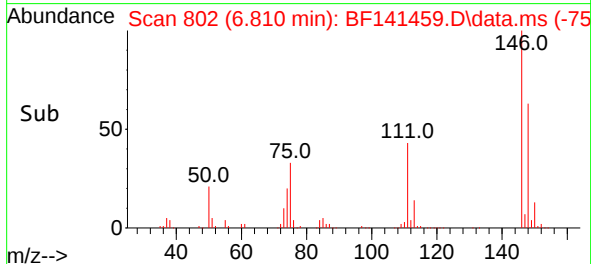
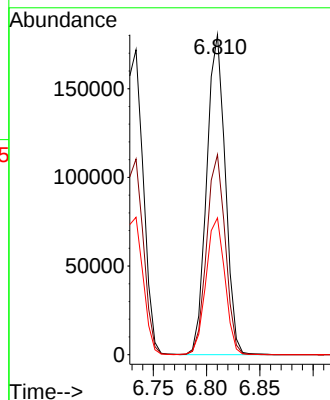
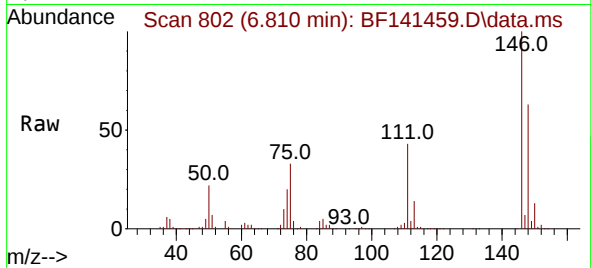
Tgt Ion:146 Resp: 219469

Ion Ratio Lower Upper

146 100

148 62.5 51.2 76.8

111 42.8 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 36.867 ng

RT: 6.957 min Scan# 827

Delta R.T. -0.018 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

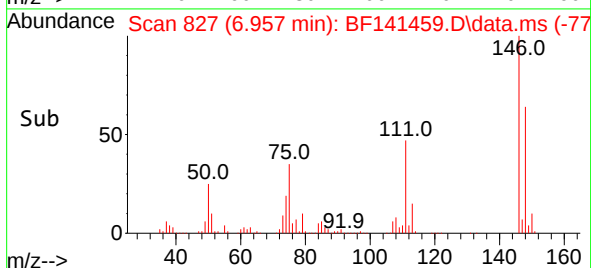
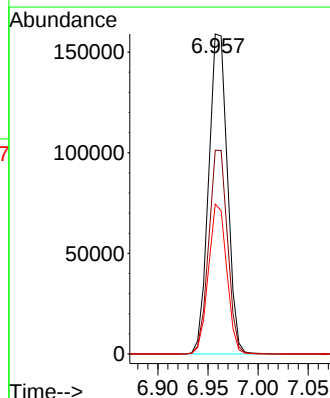
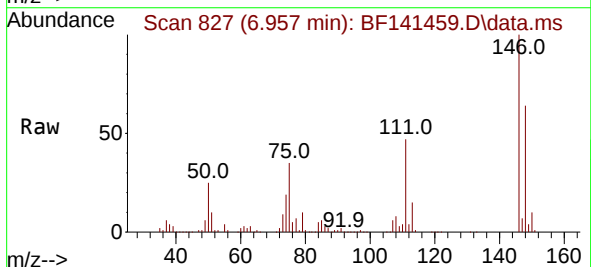
Tgt Ion:146 Resp: 207445

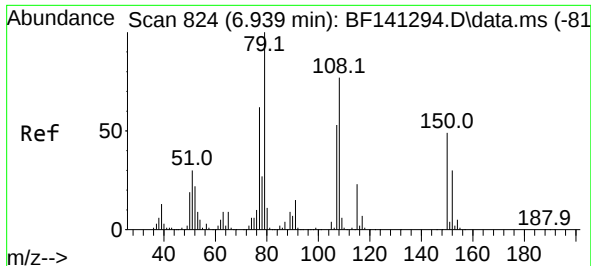
Ion Ratio Lower Upper

146 100

148 63.7 50.5 75.7

111 46.8 36.6 55.0

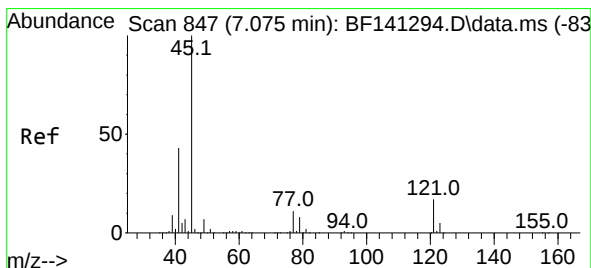
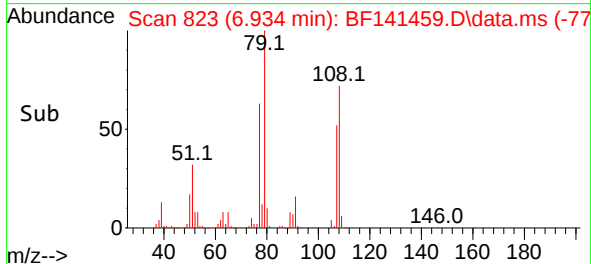
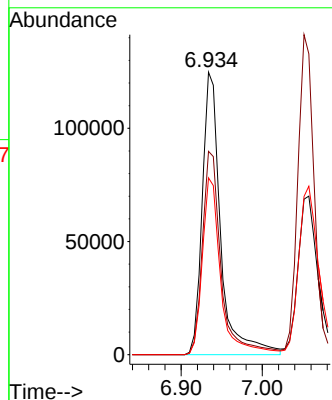
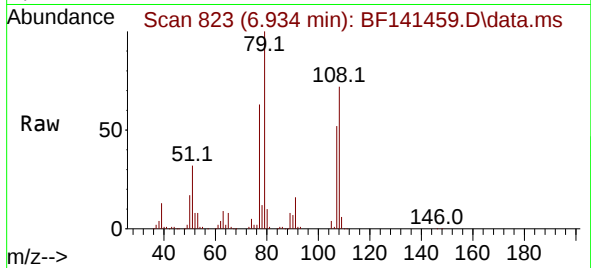




#15
Benzyl Alcohol
Concen: 44.821 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

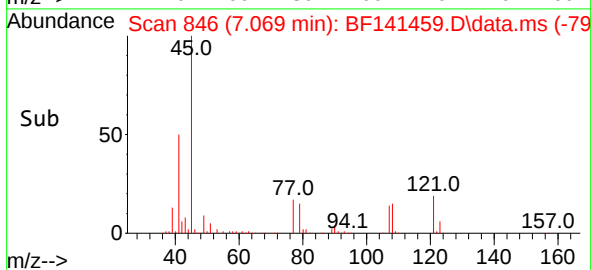
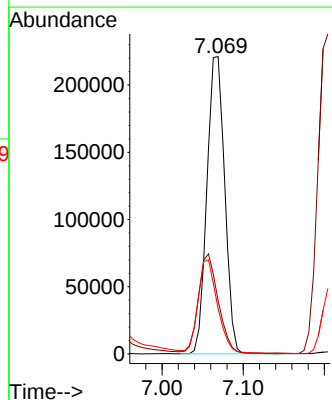
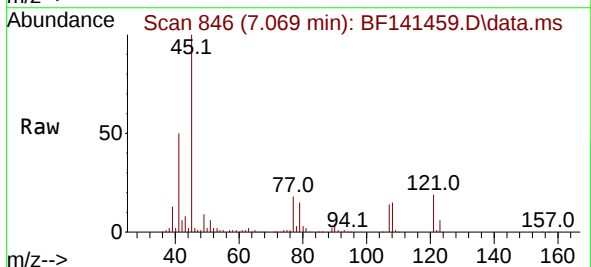
Instrument :
BNA_F
ClientSampleId :
72-11984MSD

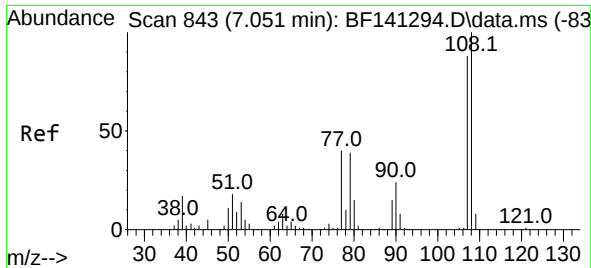
Tgt Ion: 79 Resp: 197221
Ion Ratio Lower Upper
79 100
108 72.0 61.4 92.0
77 62.6 49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.787 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion: 45 Resp: 334771
Ion Ratio Lower Upper
45 100
77 17.9 0.0 31.8
79 15.2 0.0 29.1

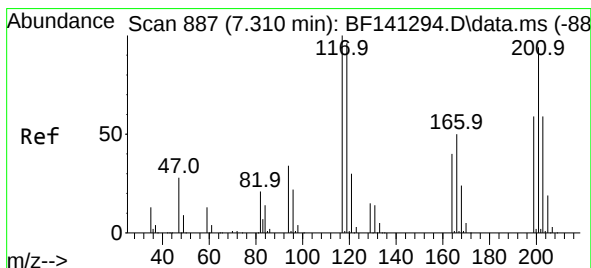
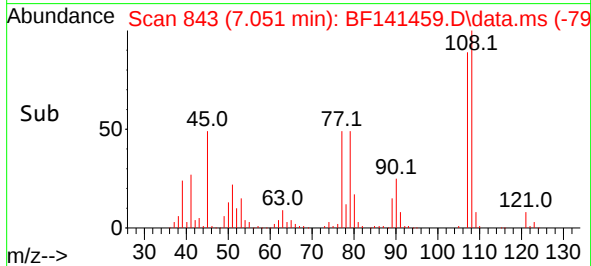
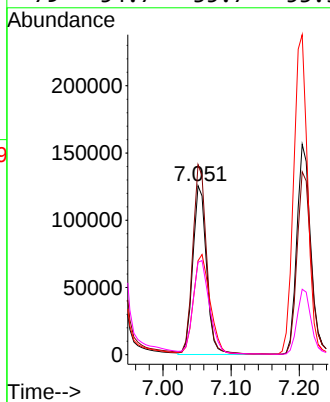
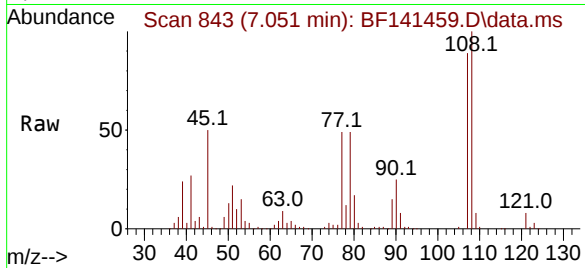




#17
2-Methylphenol
Concen: 39.967 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

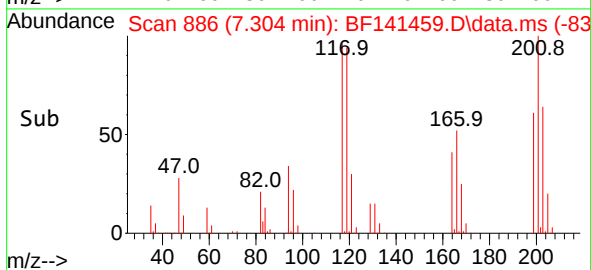
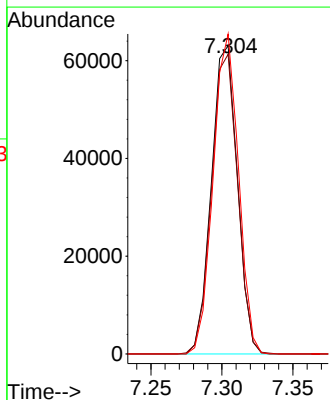
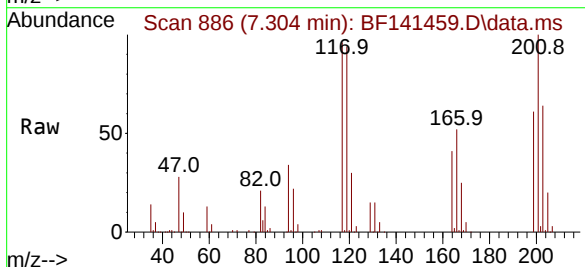
Instrument :
BNA_F
ClientSampleId :
72-11984MSD

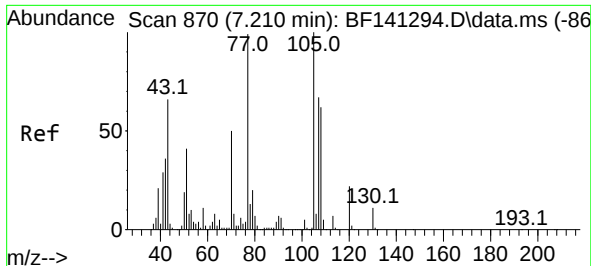
Tgt Ion:107 Resp: 176218
Ion Ratio Lower Upper
107 100
108 112.5 90.8 136.2
77 55.6 36.2 54.4#
79 54.7 35.7 53.5#



#18
Hexachloroethane
Concen: 36.220 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:117 Resp: 80292
Ion Ratio Lower Upper
117 100
119 97.2 76.6 114.8
201 103.8 74.8 112.2

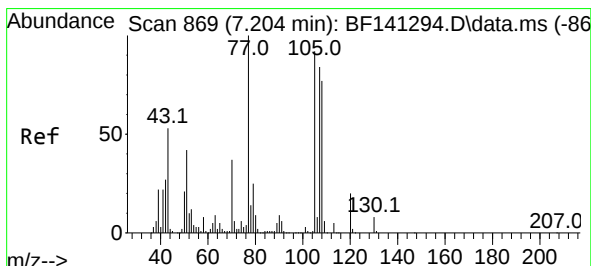
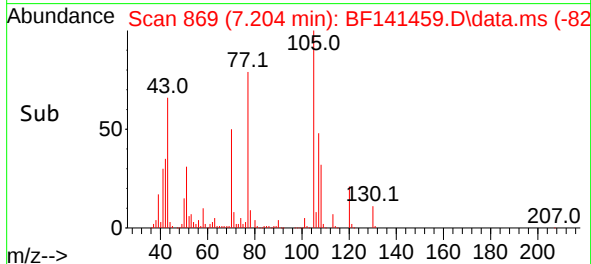
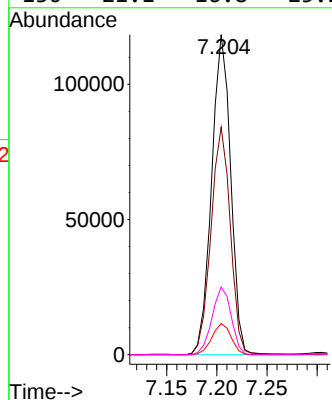
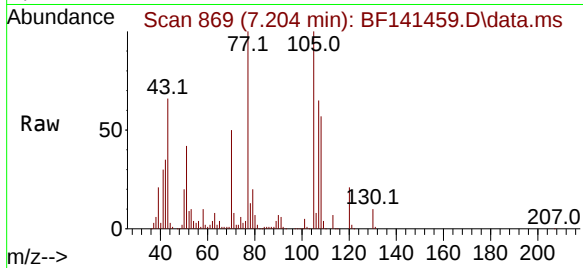




#19
n-Nitroso-di-n-propylamine
Concen: 40.912 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.024 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

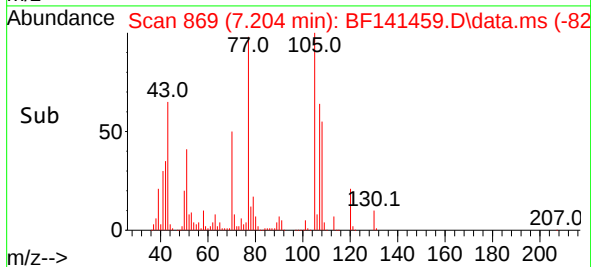
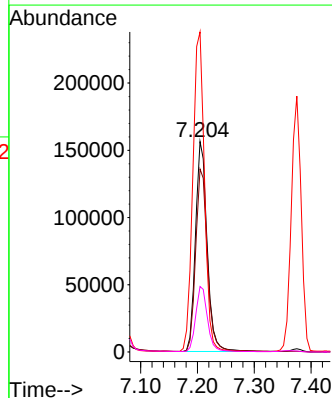
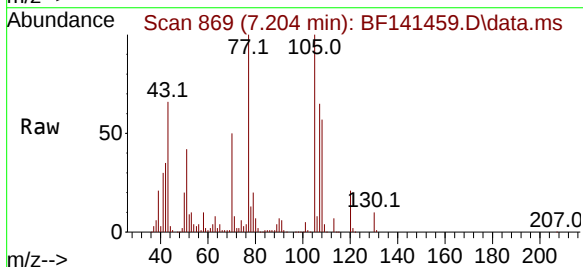
Instrument :
BNA_F
ClientSampleId :
72-11984MSD

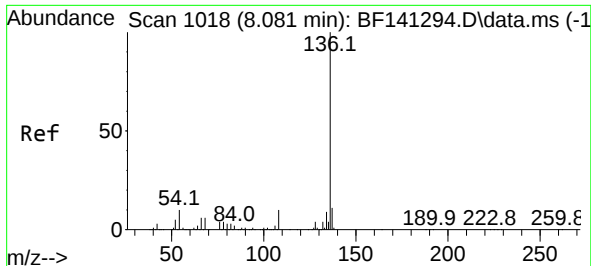
Tgt Ion: 70 Resp: 156525
Ion Ratio Lower Upper
70 100
42 71.0 56.8 85.2
101 9.8 7.7 11.5
130 21.1 16.8 25.2



#20
3+4-Methylphenols
Concen: 41.275 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion: 107 Resp: 223446
Ion Ratio Lower Upper
107 100
108 86.9 70.9 110.9
77 152.1 98.5 138.5#
79 31.1 9.5 49.5



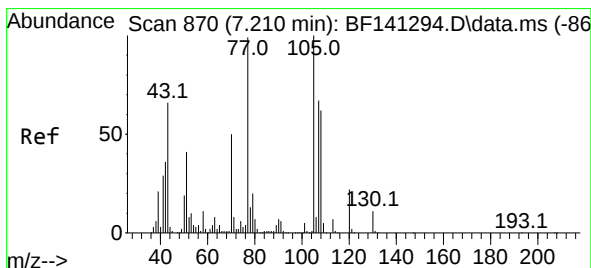
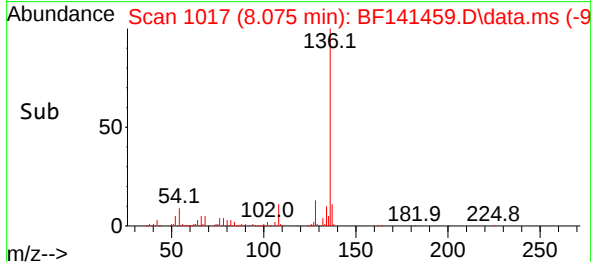
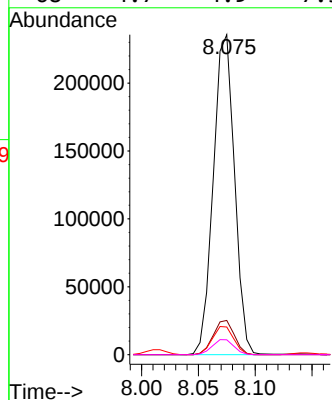
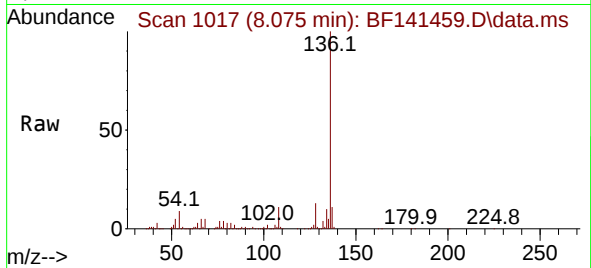


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Instrument :
BNA_F
ClientSampleId :
72-11984MSD

Tgt Ion:136 Resp: 306520

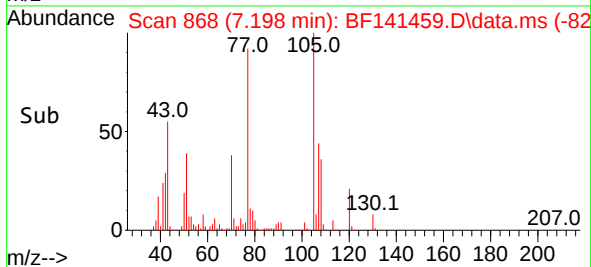
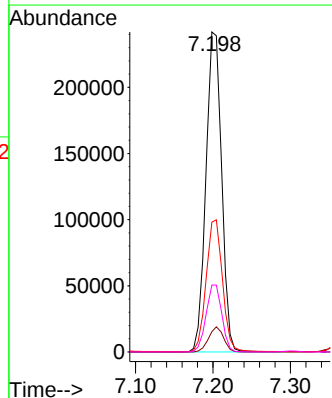
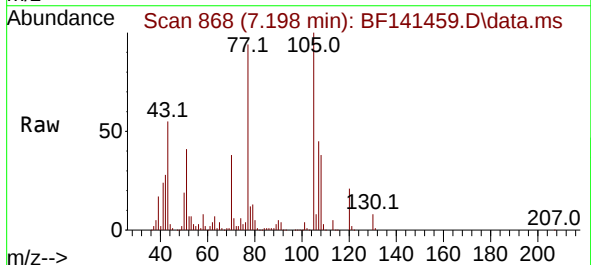
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.6	7.8	11.8
68	4.7	4.9	7.3

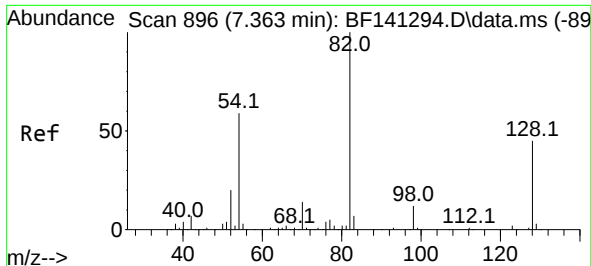


#22
Acetophenone
Concen: 46.716 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:105 Resp: 340371

Ion	Ratio	Lower	Upper
105	100		
71	6.4	6.8	10.2
51	40.6	32.6	49.0
120	20.9	17.4	26.0





#23

Nitrobenzene-d5

Concen: 90.191 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

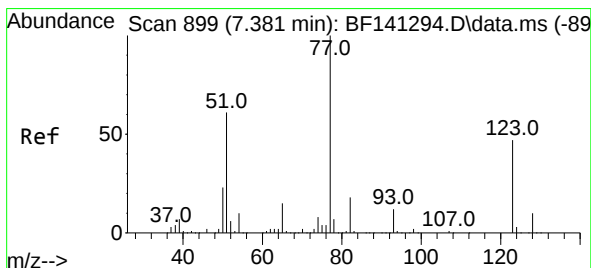
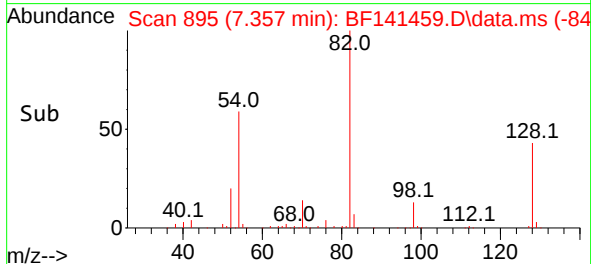
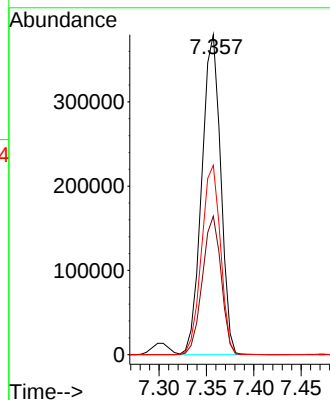
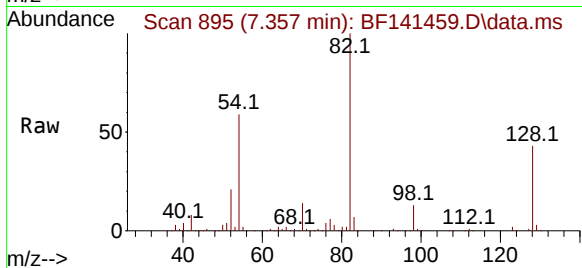
Tgt Ion: 82 Resp: 524417

Ion Ratio Lower Upper

82 100

128 43.3 35.7 53.5

54 59.2 47.1 70.7



#24

Nitrobenzene

Concen: 38.337 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.018 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

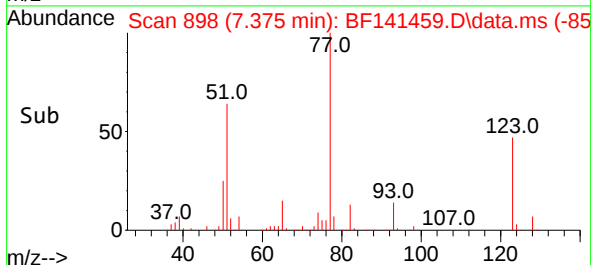
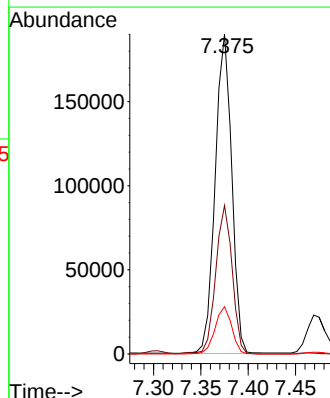
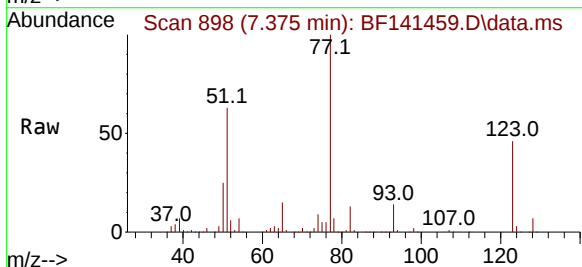
Tgt Ion: 77 Resp: 231004

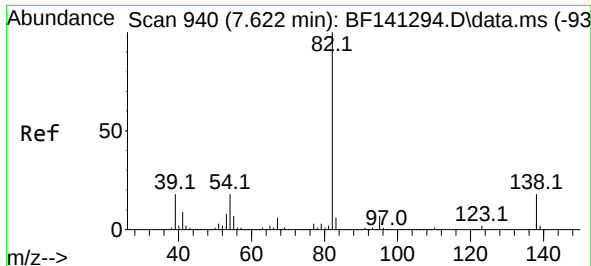
Ion Ratio Lower Upper

77 100

123 46.4 37.3 55.9

65 14.8 11.8 17.6

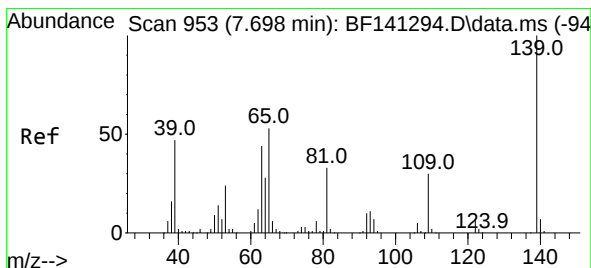
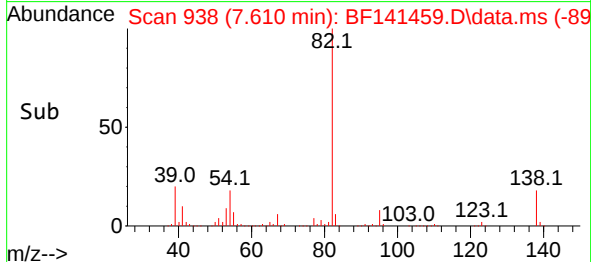
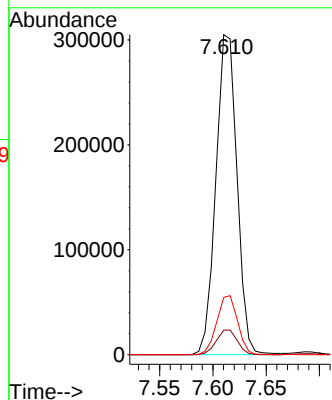
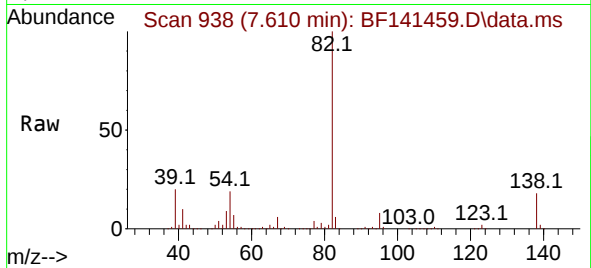




#25
Isophorone
Concen: 41.810 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

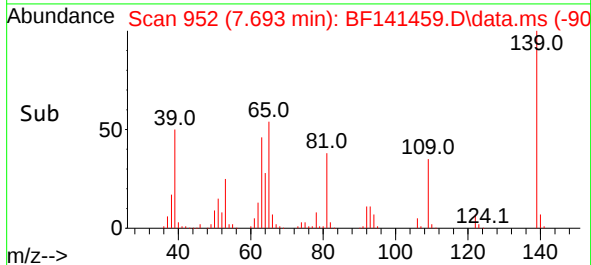
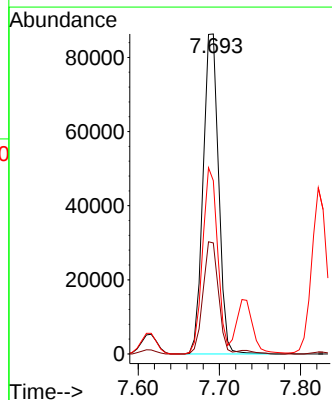
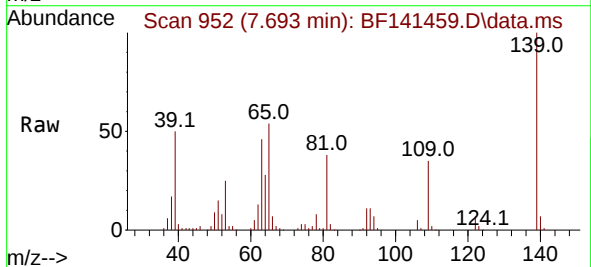
Instrument :
BNA_F
ClientSampleId :
72-11984MSD

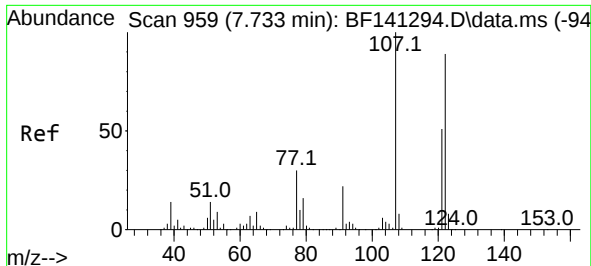
Tgt Ion: 82 Resp: 420228
Ion Ratio Lower Upper
82 100
95 7.7 5.8 8.6
138 17.9 14.7 22.1



#26
2-Nitrophenol
Concen: 40.271 ng
RT: 7.693 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:139 Resp: 114442
Ion Ratio Lower Upper
139 100
109 34.7 23.8 35.6
65 54.2 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 49.832 ng

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

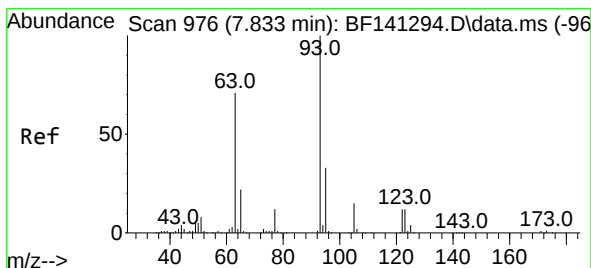
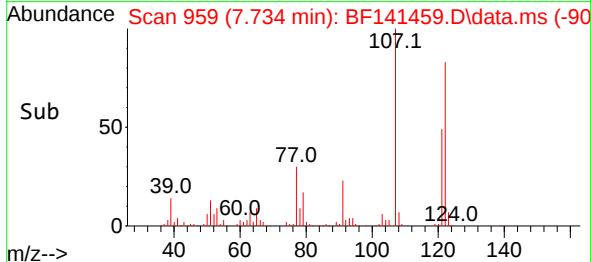
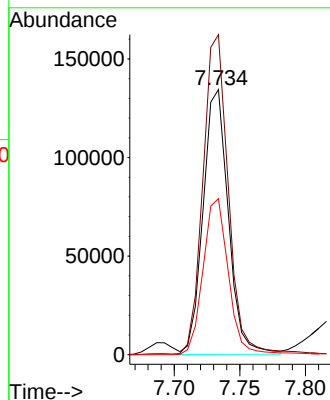
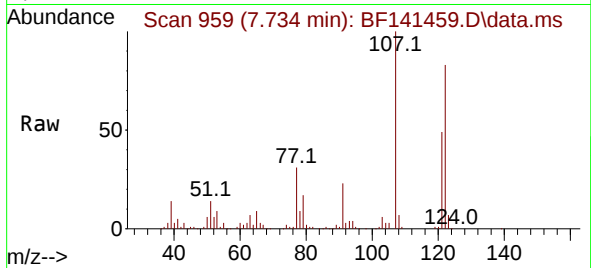
Tgt Ion:122 Resp: 180248

Ion Ratio Lower Upper

122 100

107 120.7 89.9 134.9

121 58.8 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 39.672 ng

RT: 7.822 min Scan# 974

Delta R.T. -0.018 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

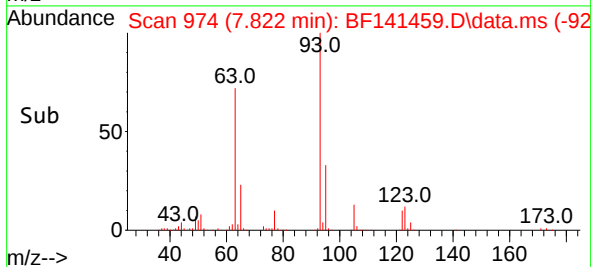
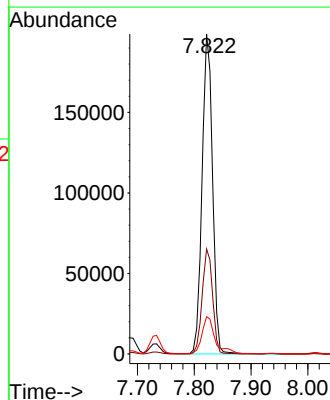
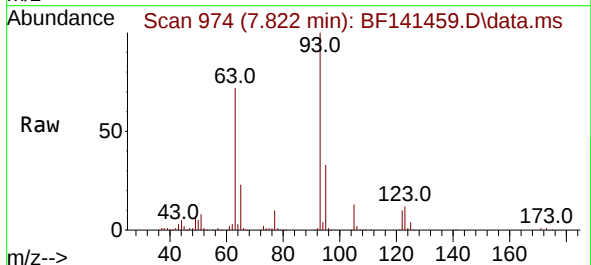
Tgt Ion: 93 Resp: 254346

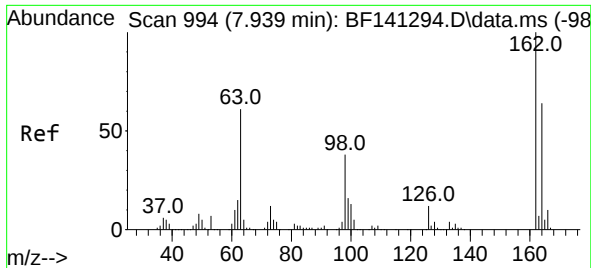
Ion Ratio Lower Upper

93 100

95 32.8 26.2 39.2

123 11.7 10.2 15.4

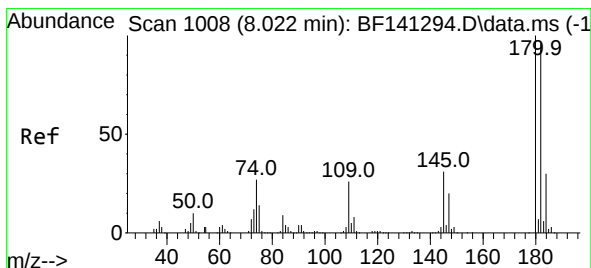
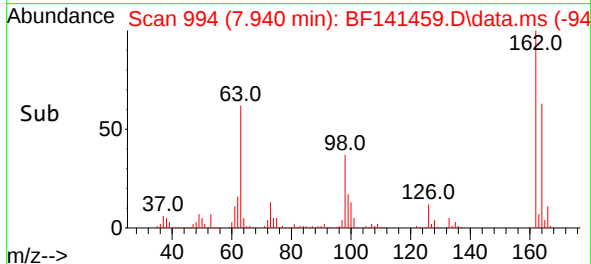
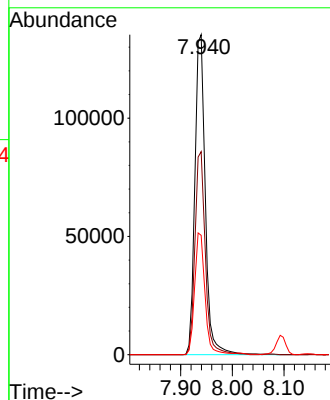
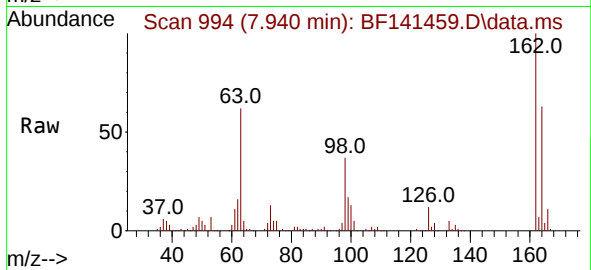




#29
2,4-Dichlorophenol
Concen: 42.837 ng
RT: 7.940 min Scan# 994
Delta R.T. -0.006 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

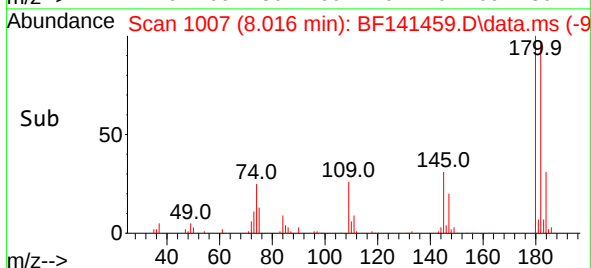
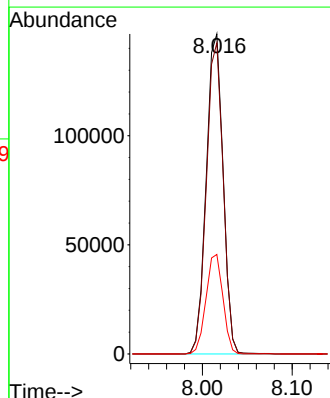
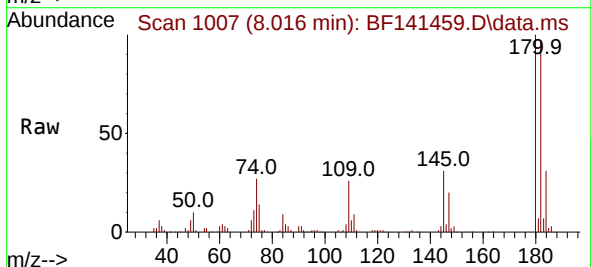
Instrument :
BNA_F
ClientSampleId :
72-11984MSD

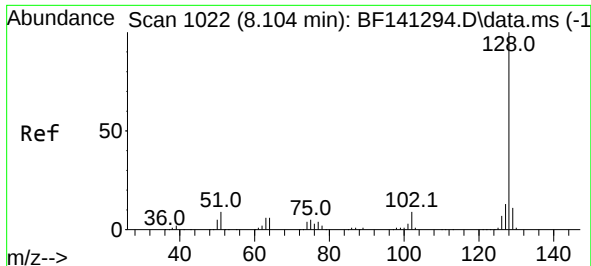
Tgt Ion:162 Resp: 189689
Ion Ratio Lower Upper
162 100
164 63.5 44.2 84.2
98 37.3 18.2 58.2



#30
1,2,4-Trichlorobenzene
Concen: 37.811 ng
RT: 8.016 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:180 Resp: 191211
Ion Ratio Lower Upper
180 100
182 97.2 76.4 114.6
145 31.1 24.9 37.3

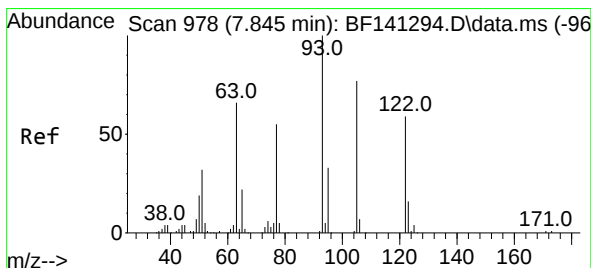
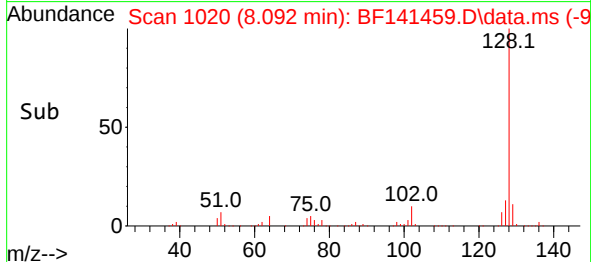
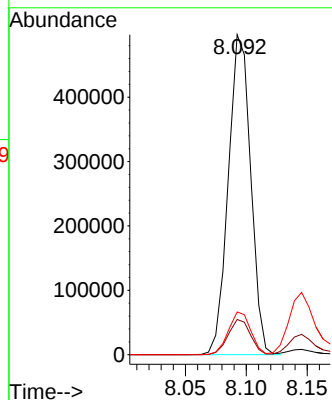
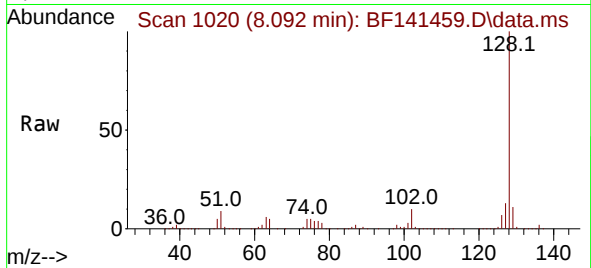




#31
Naphthalene
Concen: 39.303 ng
RT: 8.092 min Scan# 10
Delta R.T. -0.018 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

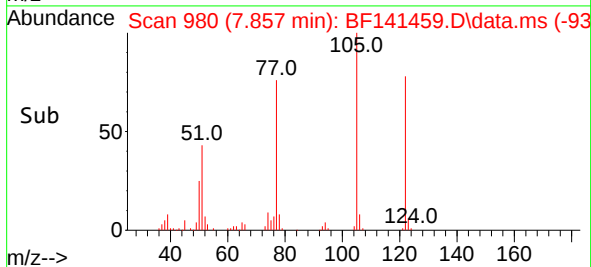
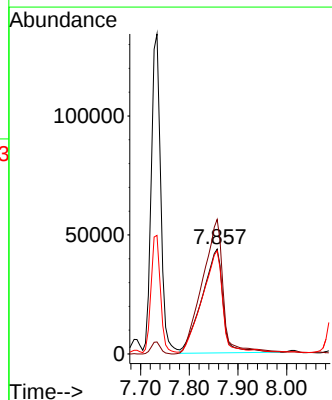
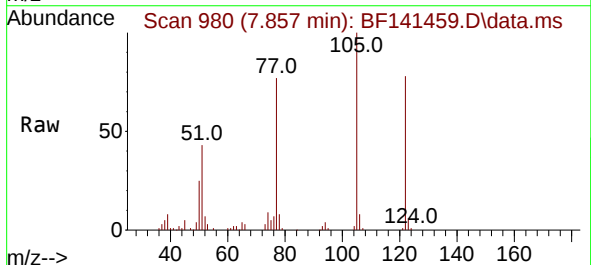
Instrument :
BNA_F
ClientSampleId :
72-11984MSD

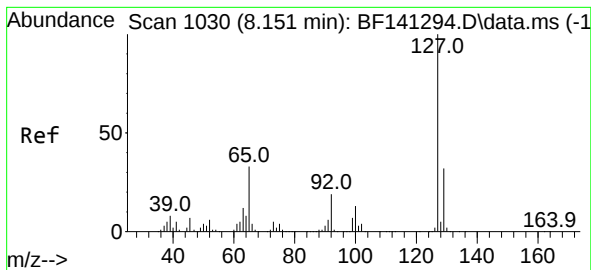
Tgt Ion:128 Resp: 636417
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.4 10.6 15.8



#32
Benzoic acid
Concen: 39.653 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:122 Resp: 131852
Ion Ratio Lower Upper
122 100
105 128.4 103.4 143.4
77 98.5 70.9 110.9

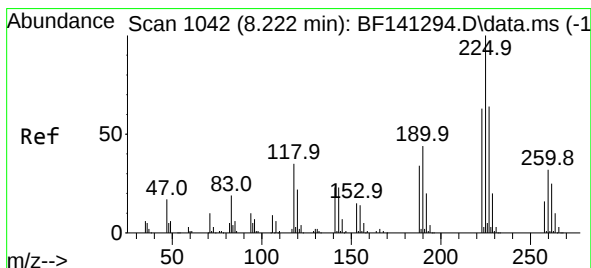
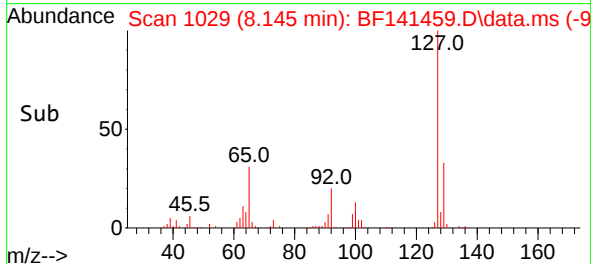
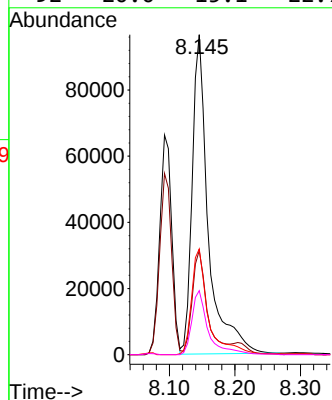
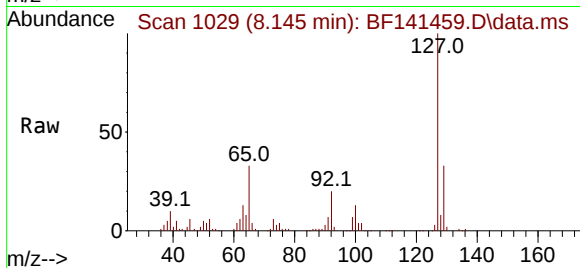




#33
4-Chloroaniline
Concen: 30.069 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

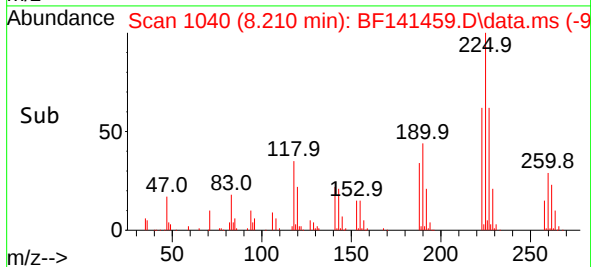
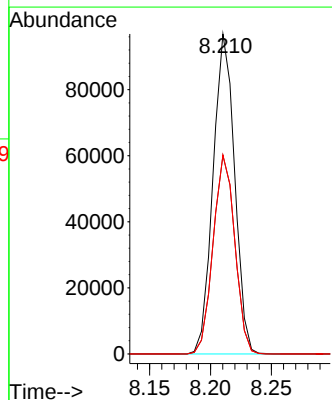
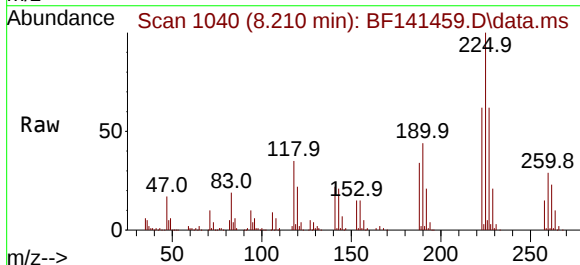
Instrument :
BNA_F
ClientSampleId :
72-11984MSD

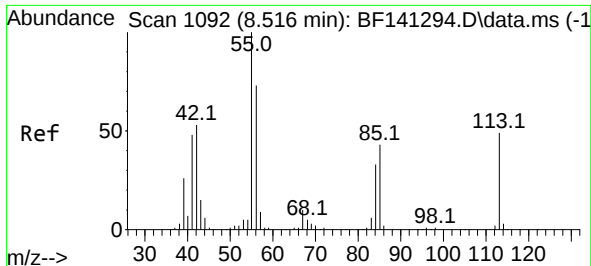
Tgt Ion:127	Resp: 165109
Ion Ratio	Lower Upper
127 100	
129 32.6	25.7 38.5
65 33.0	26.4 39.6
92 20.0	15.1 22.7



#34
Hexachlorobutadiene
Concen: 40.256 ng
RT: 8.210 min Scan# 1040
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:225	Resp: 119384
Ion Ratio	Lower Upper
225 100	
223 62.0	50.4 75.6
227 62.1	51.3 76.9

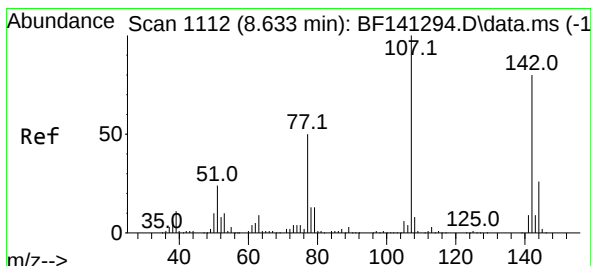
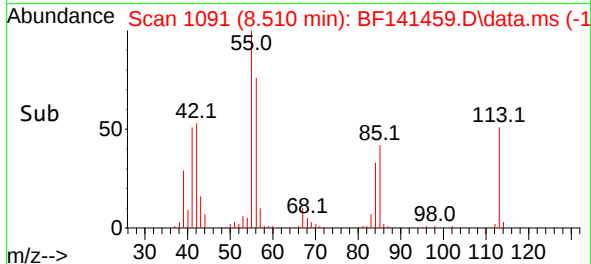
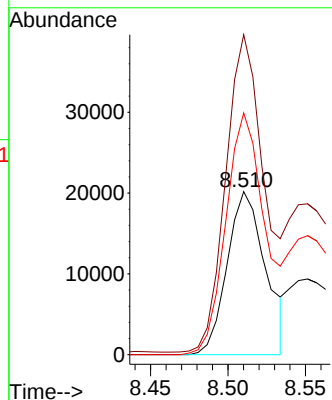
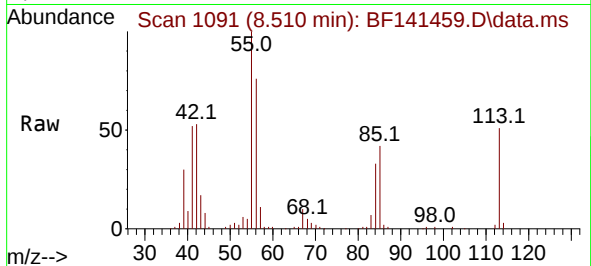




#35
 Caprolactam
 Concen: 23.946 ng
 RT: 8.510 min Scan# 1091
 Delta R.T. -0.035 min
 Lab File: BF141459.D
 Acq: 05 Feb 2025 20:38

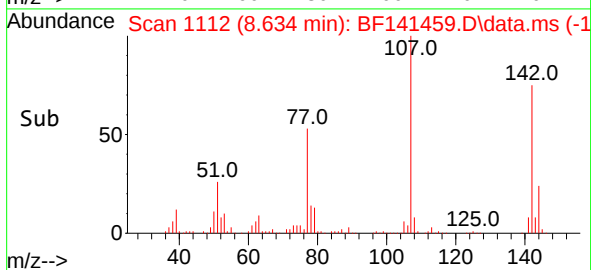
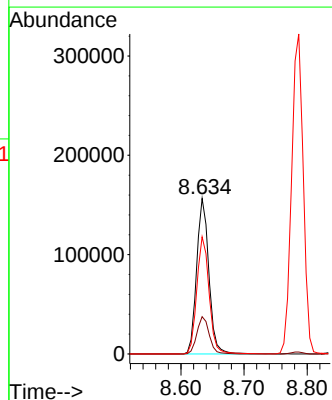
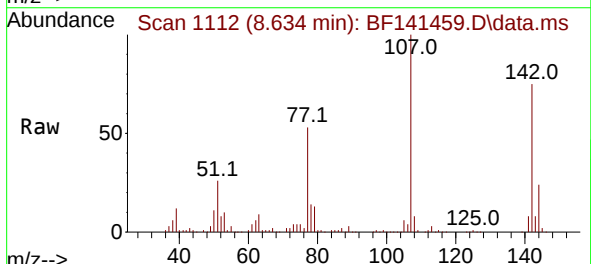
Instrument :
 BNA_F
 ClientSampleId :
 72-11984MSD

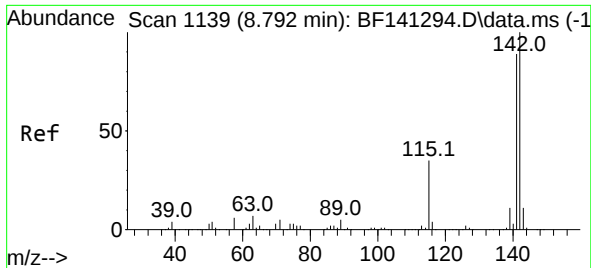
Tgt Ion:113 Resp: 34630
 Ion Ratio Lower Upper
 113 100
 55 196.3 182.9 222.9
 56 148.3 127.9 167.9



#36
 4-Chloro-3-methylphenol
 Concen: 44.387 ng
 RT: 8.634 min Scan# 1112
 Delta R.T. -0.006 min
 Lab File: BF141459.D
 Acq: 05 Feb 2025 20:38

Tgt Ion:107 Resp: 210831
 Ion Ratio Lower Upper
 107 100
 144 24.0 20.7 31.1
 142 75.3 63.8 95.8

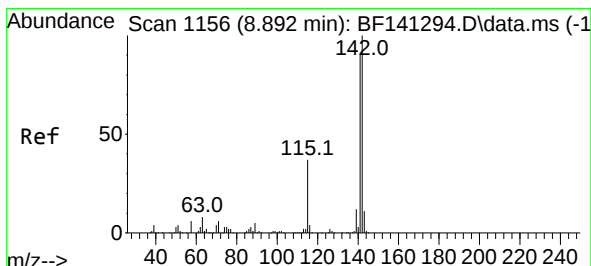
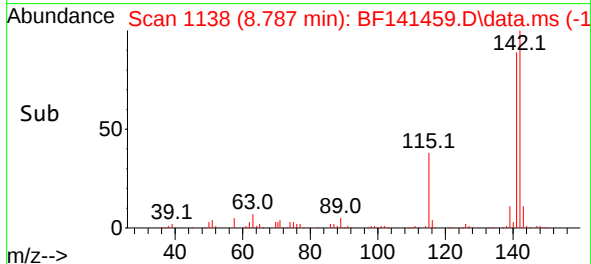
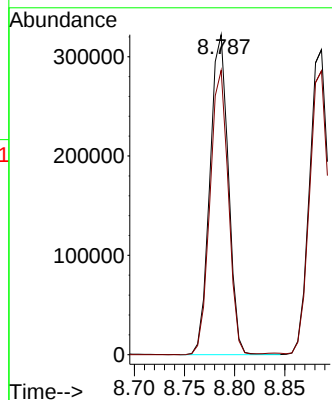
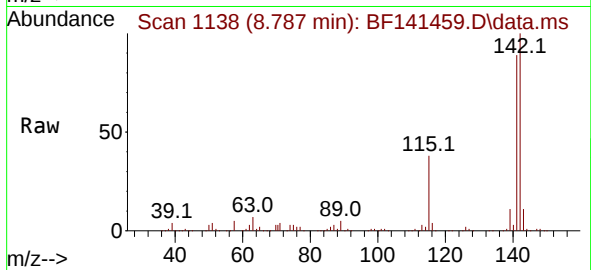




#37
2-Methylnaphthalene
Concen: 40.054 ng
RT: 8.787 min Scan# 1138
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

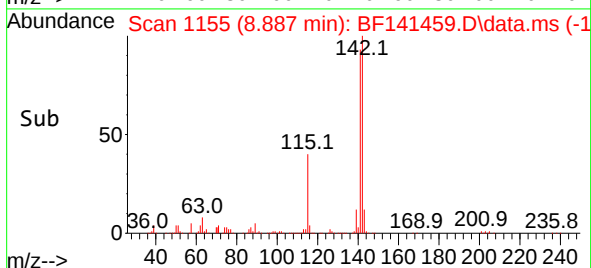
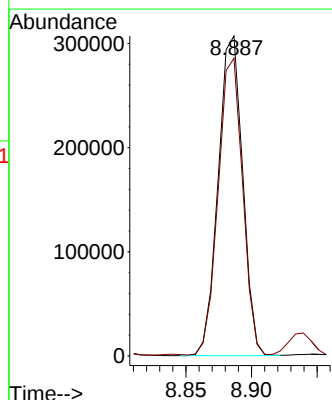
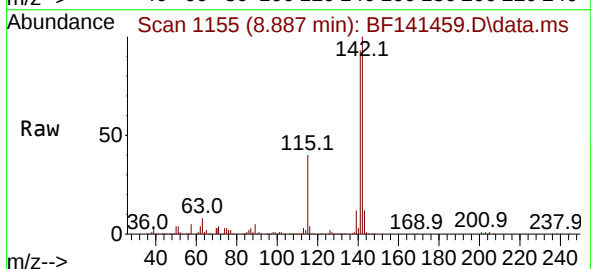
Instrument :
BNA_F
ClientSampleId :
72-11984MSD

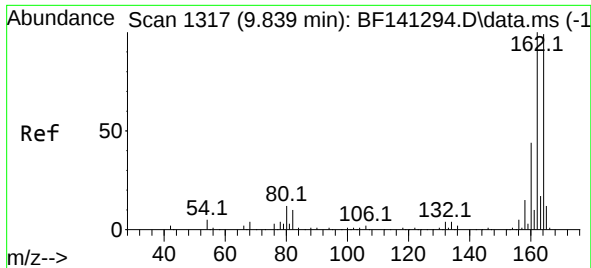
Tgt Ion:142 Resp: 412231
Ion Ratio Lower Upper
142 100
141 88.8 71.3 106.9



#38
1-Methylnaphthalene
Concen: 39.405 ng
RT: 8.887 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:142 Resp: 398370
Ion Ratio Lower Upper
142 100
141 93.0 73.2 109.8

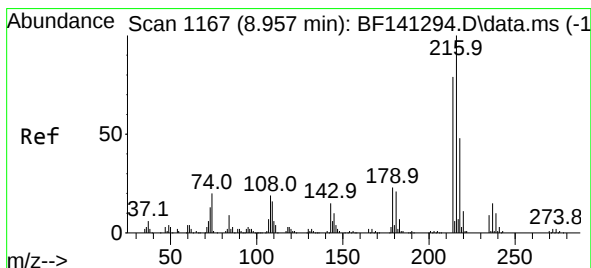
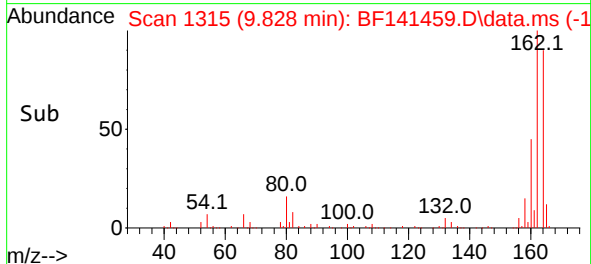
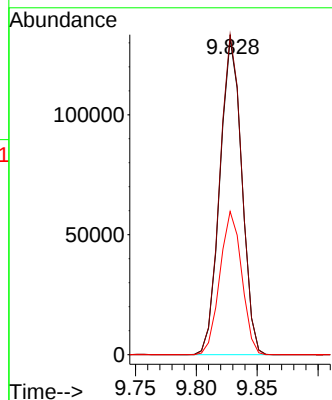
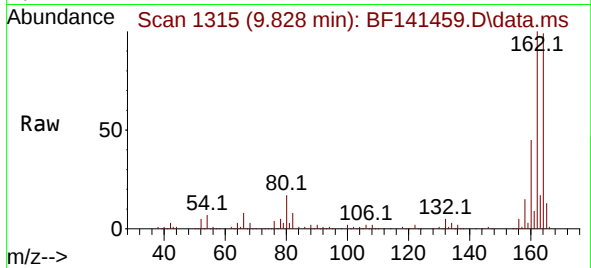




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1115
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

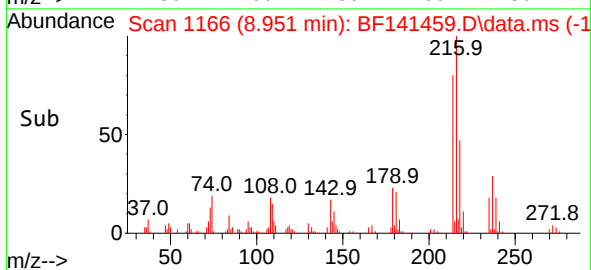
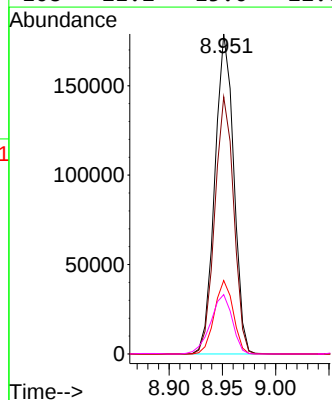
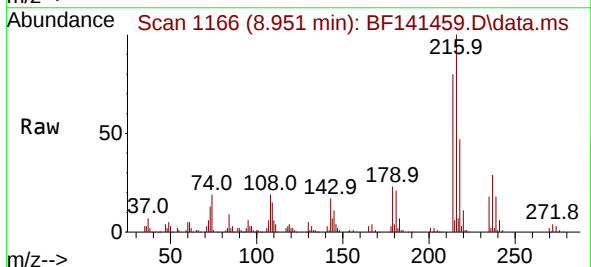
Instrument :
BNA_F
ClientSampleId :
72-11984MSD

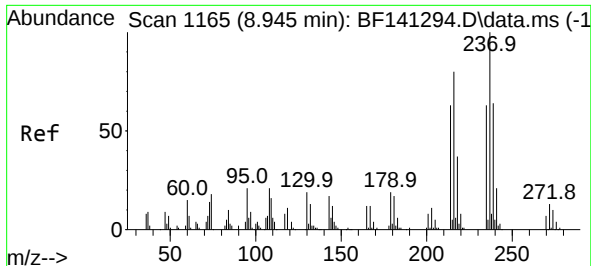
Tgt Ion:164 Resp: 164997
Ion Ratio Lower Upper
164 100
162 101.3 80.6 121.0
160 45.3 35.8 53.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.033 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:216 Resp: 220770
Ion Ratio Lower Upper
216 100
214 80.3 63.2 94.8
179 22.8 17.8 26.8
108 21.2 15.0 22.6

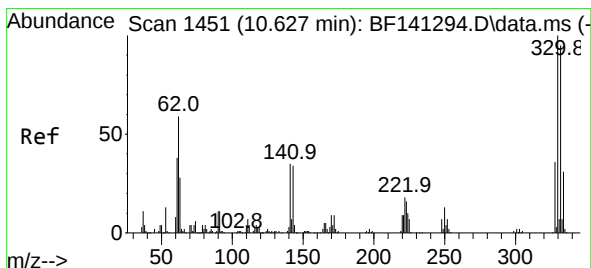
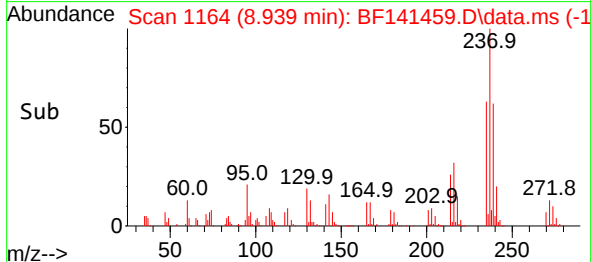
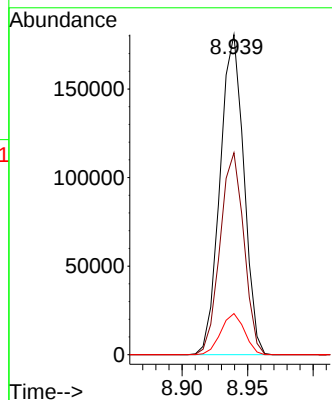
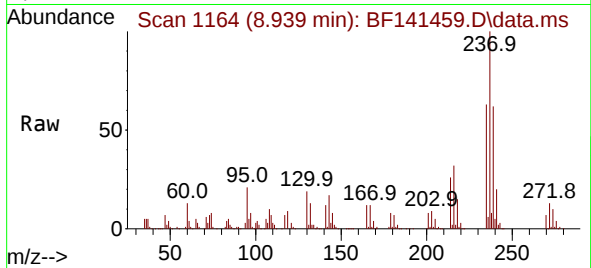




#41
Hexachlorocyclopentadiene
Concen: 164.208 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

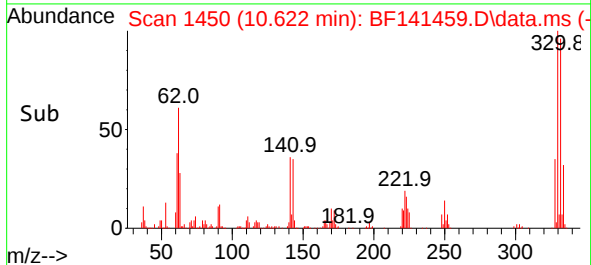
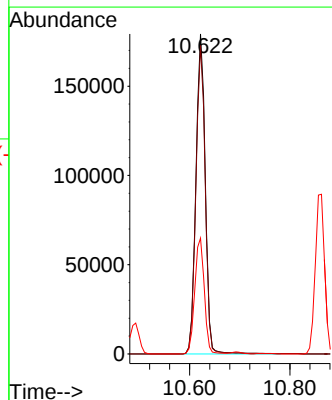
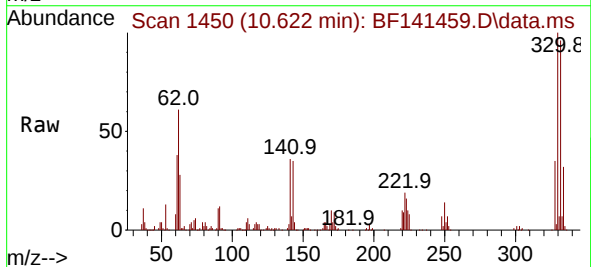
Instrument :
BNA_F
ClientSampleId :
72-11984MSD

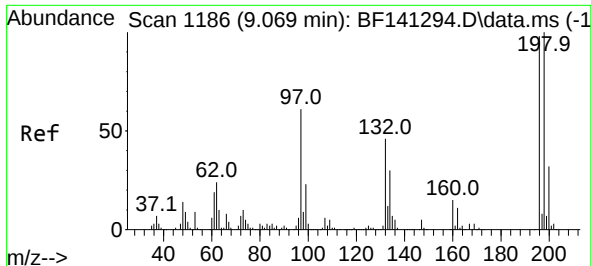
Tgt Ion:237 Resp: 227636
Ion Ratio Lower Upper
237 100
235 63.1 42.9 82.9
272 12.9 0.0 32.8



#42
2,4,6-Tribromophenol
Concen: 153.241 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:330 Resp: 231799
Ion Ratio Lower Upper
330 100
332 95.6 76.1 114.1
141 37.0 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 44.902 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

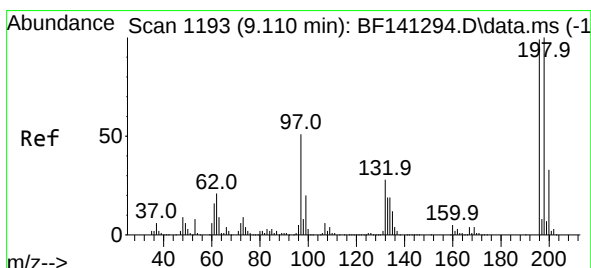
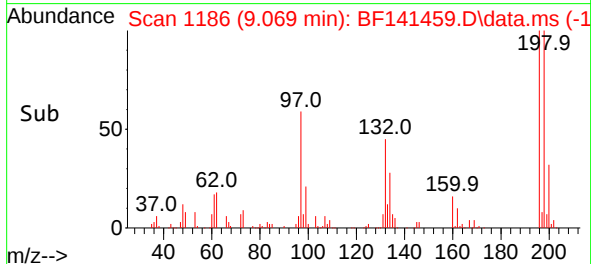
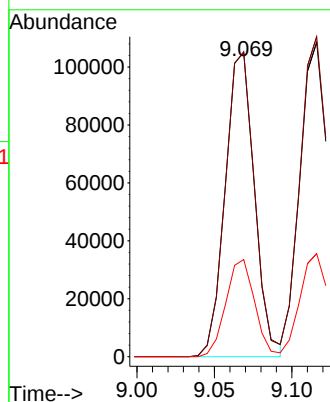
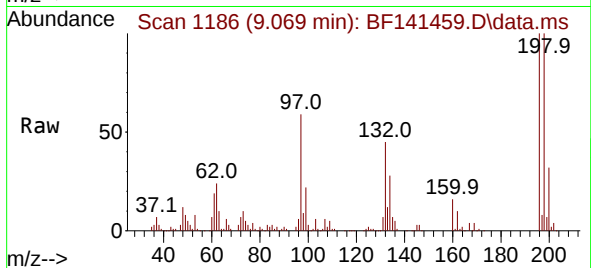
Tgt Ion:196 Resp: 137957

Ion Ratio Lower Upper

196 100

198 100.3 81.8 122.6

200 31.9 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 43.533 ng

RT: 9.116 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Tgt Ion:196 Resp: 145573

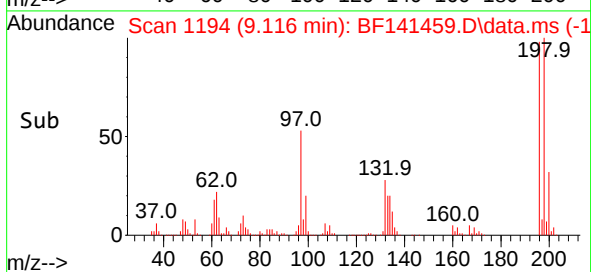
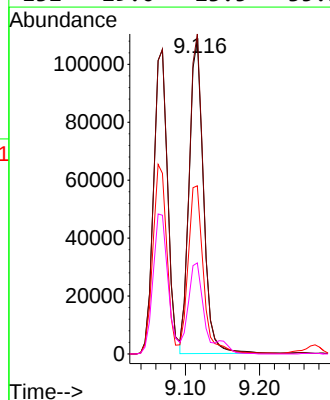
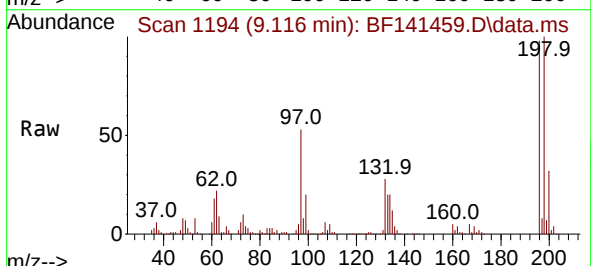
Ion Ratio Lower Upper

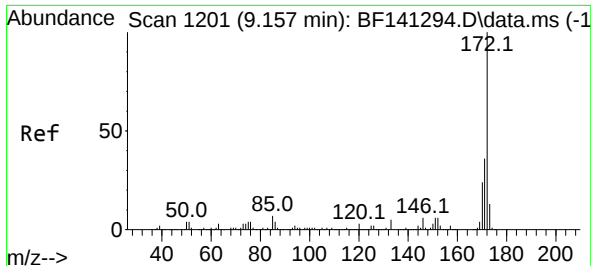
196 100

198 101.8 80.5 120.7

97 53.5 42.8 64.2

132 29.0 23.5 35.3

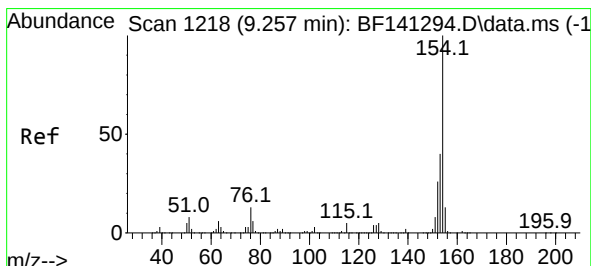
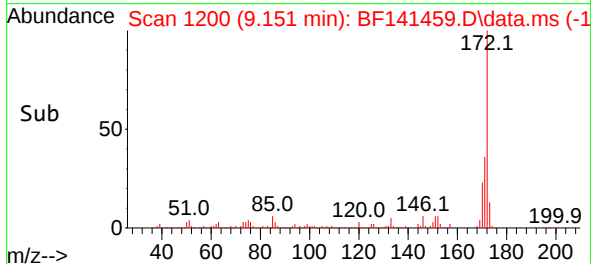
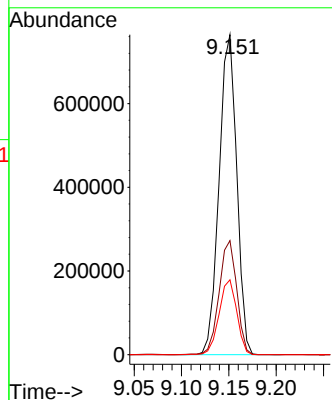
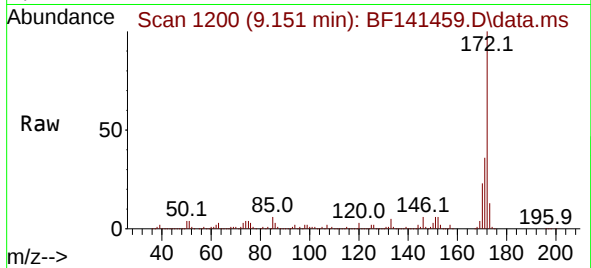




#45
2-Fluorobiphenyl
Concen: 92.553 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

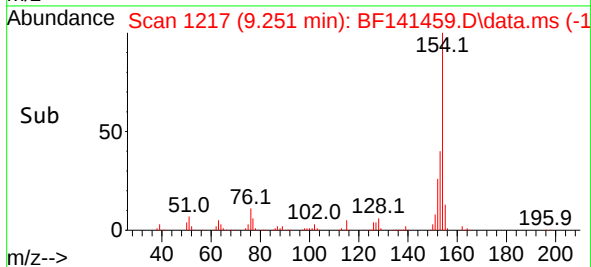
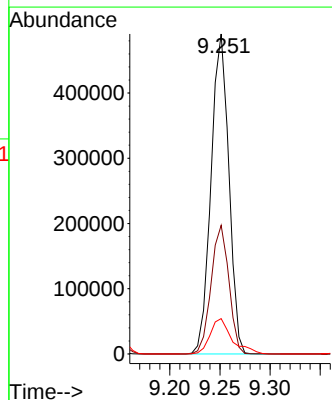
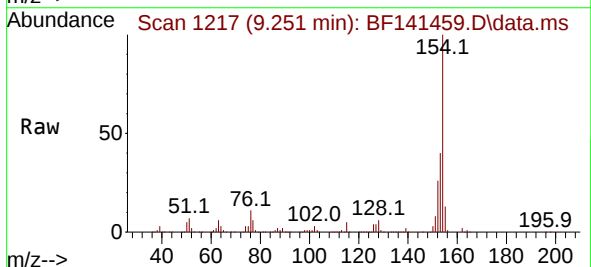
Instrument :
BNA_F
ClientSampleId :
72-11984MSD

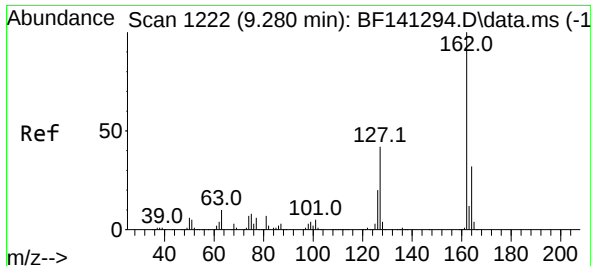
Tgt Ion:172 Resp: 992144
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.4 19.0 28.6



#46
1,1'-Biphenyl
Concen: 47.122 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:154 Resp: 606349
Ion Ratio Lower Upper
154 100
153 40.2 20.0 60.0
76 11.1 0.0 32.8





#47

2-Chloronaphthalene

Concen: 40.537 ng

RT: 9.275 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

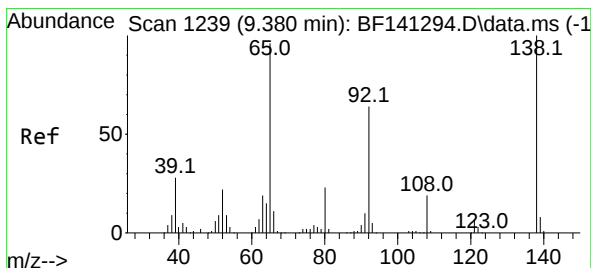
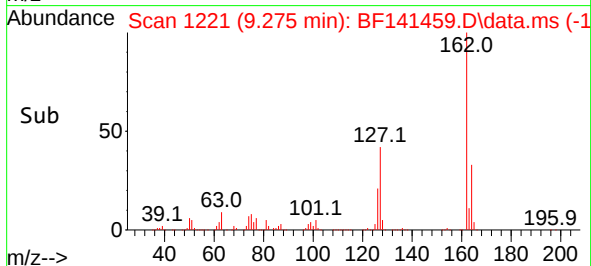
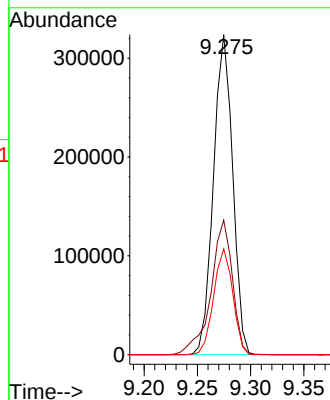
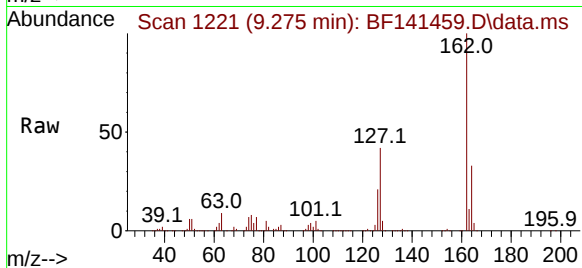
Tgt Ion:162 Resp: 406577

Ion Ratio Lower Upper

162 100

127 42.1 33.7 50.5

164 33.0 25.9 38.9



#48

2-Nitroaniline

Concen: 46.127 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

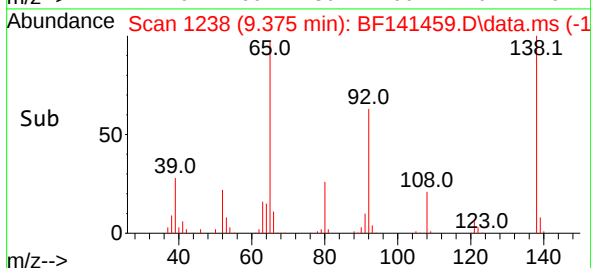
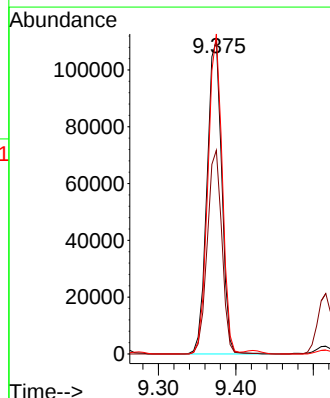
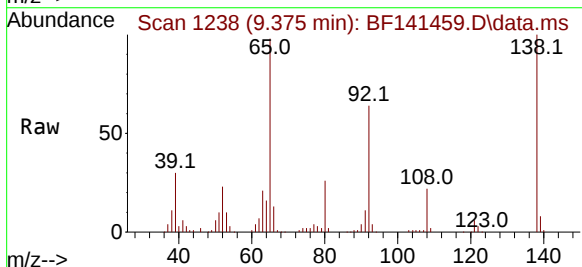
Tgt Ion: 65 Resp: 145518

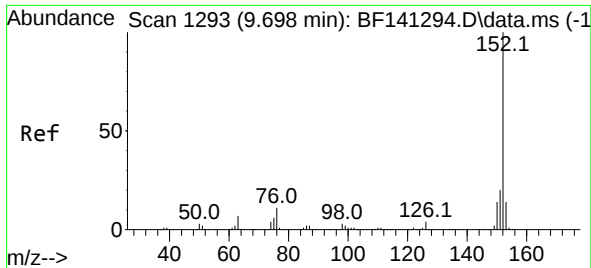
Ion Ratio Lower Upper

65 100

92 64.9 53.3 79.9

138 102.0 83.6 125.4

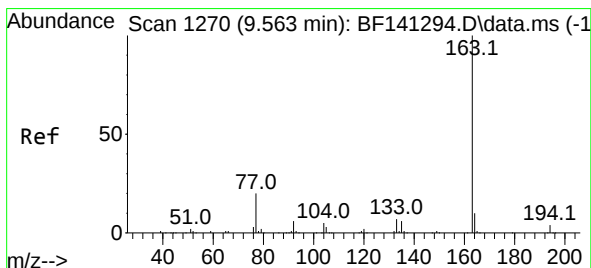
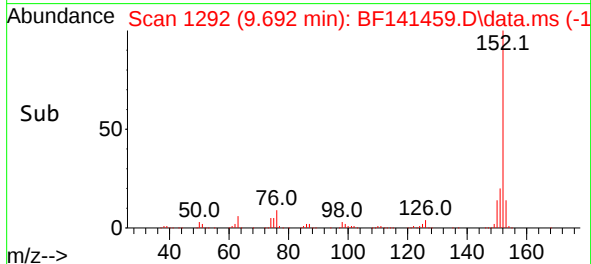
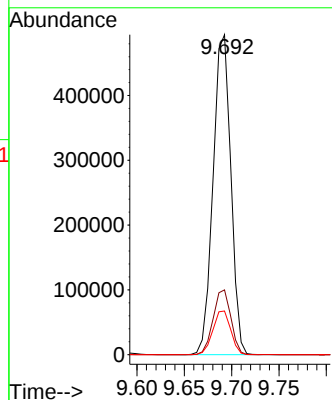
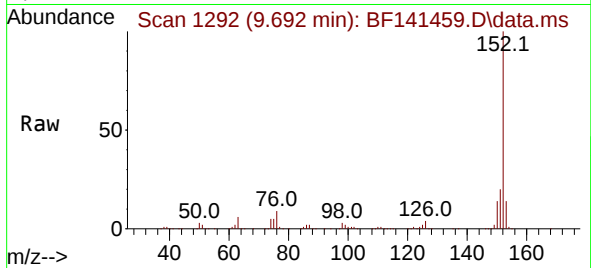




#49
Acenaphthylene
Concen: 45.825 ng
RT: 9.692 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

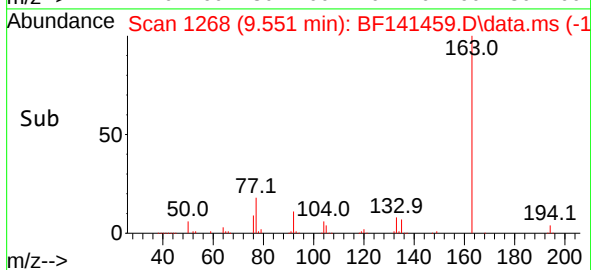
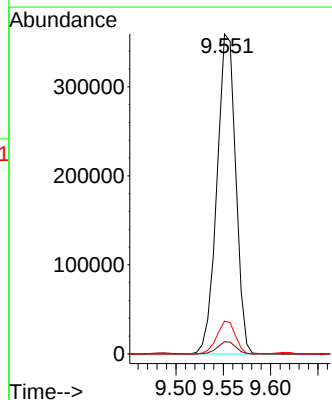
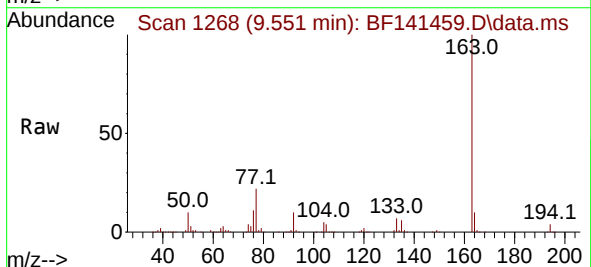
Instrument :
BNA_F
ClientSampleId :
72-11984MSD

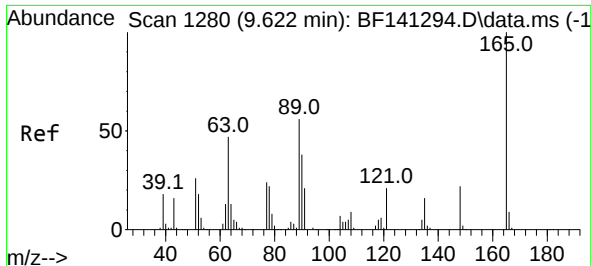
Tgt Ion:152 Resp: 643369
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 13.7 11.0 16.6



#50
Dimethylphthalate
Concen: 44.487 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.018 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:163 Resp: 495755
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 10.2 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 43.914 ng

RT: 9.616 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

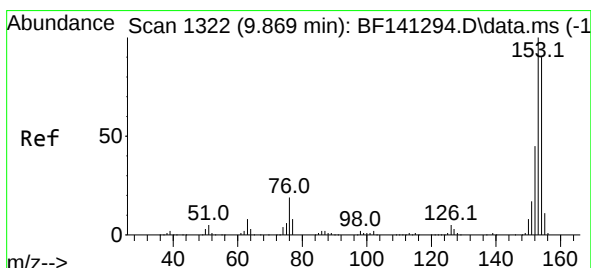
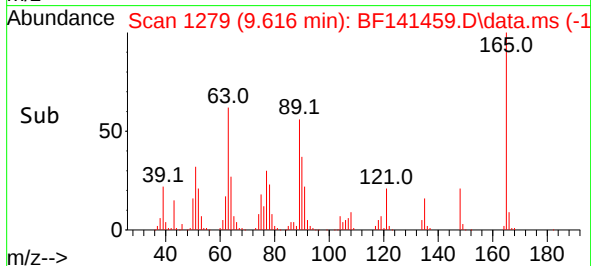
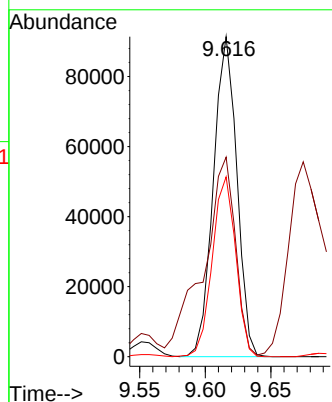
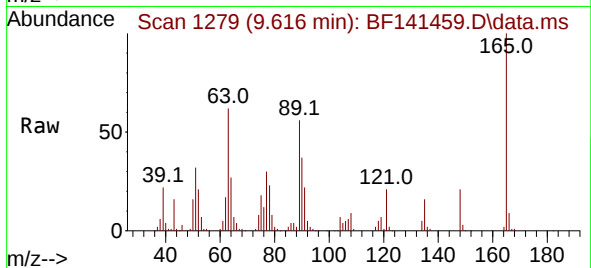
Tgt Ion:165 Resp: 113625

Ion Ratio Lower Upper

165 100

63 62.3 48.1 72.1

89 56.2 44.9 67.3



#52

Acenaphthene

Concen: 41.905 ng

RT: 9.863 min Scan# 1321

Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

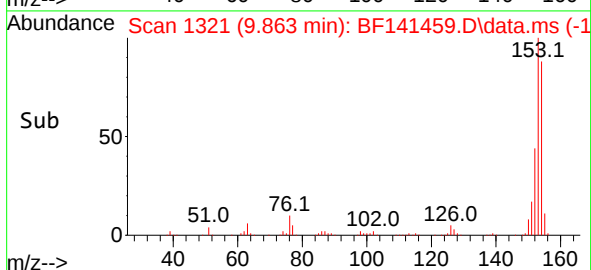
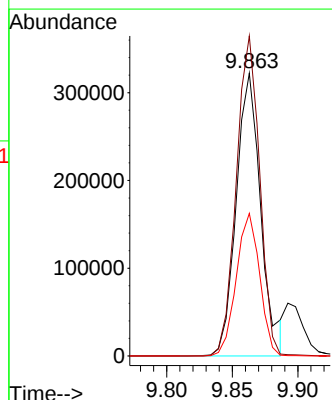
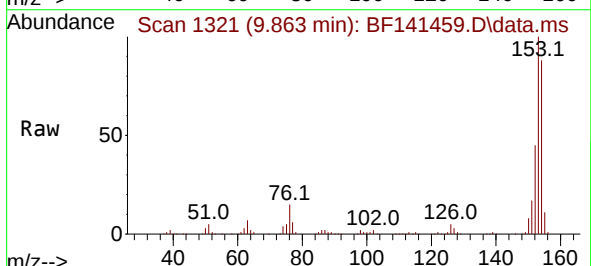
Tgt Ion:154 Resp: 420308

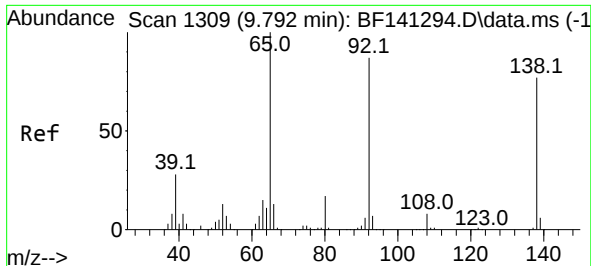
Ion Ratio Lower Upper

154 100

153 113.2 89.0 133.4

152 50.4 40.2 60.4

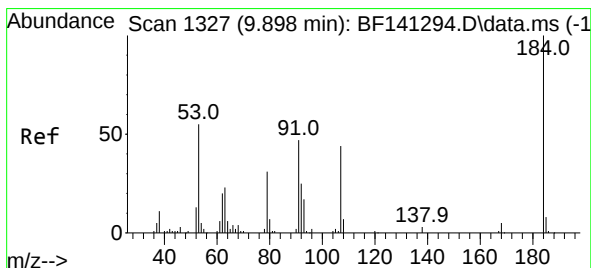
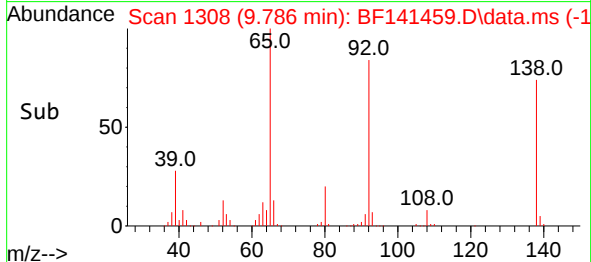
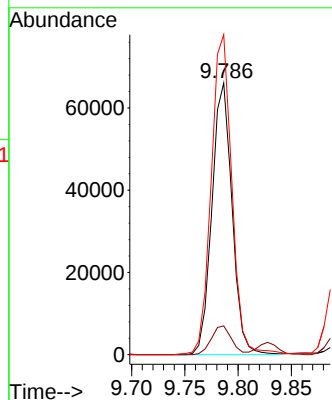
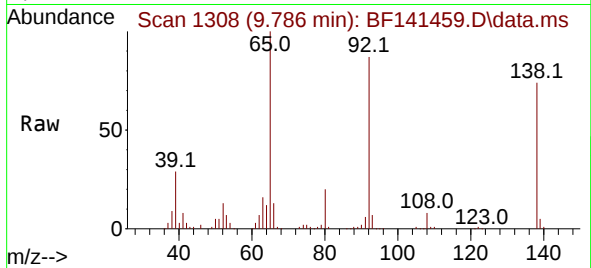




#53
3-Nitroaniline
Concen: 34.292 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

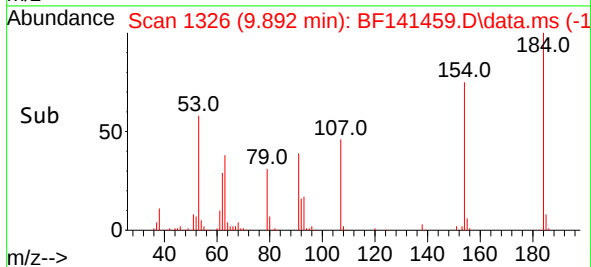
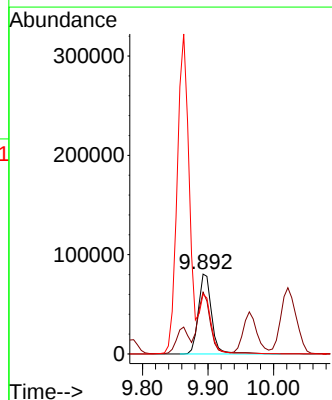
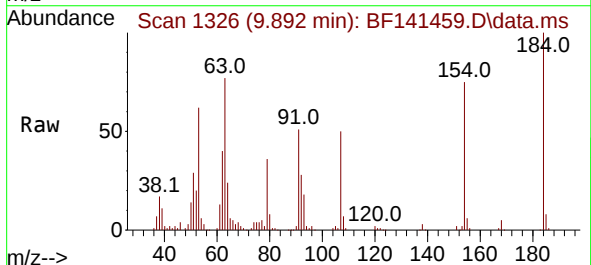
Instrument :
BNA_F
ClientSampleId :
72-11984MSD

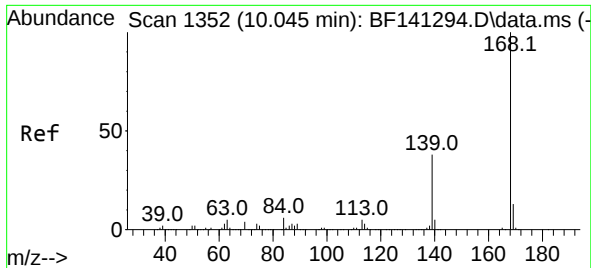
Tgt Ion:138 Resp: 86964
Ion Ratio Lower Upper
138 100
108 10.6 8.6 12.8
92 117.8 91.0 136.6



#54
2,4-Dinitrophenol
Concen: 94.489 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:184 Resp: 113651
Ion Ratio Lower Upper
184 100
63 77.4 54.1 81.1
154 74.9 50.7 76.1

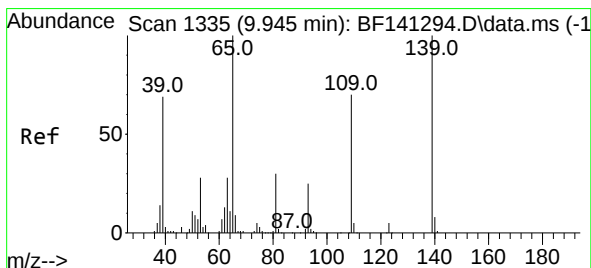
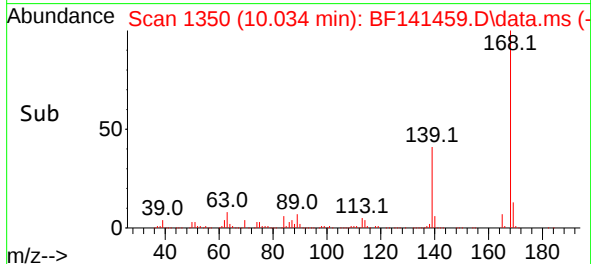
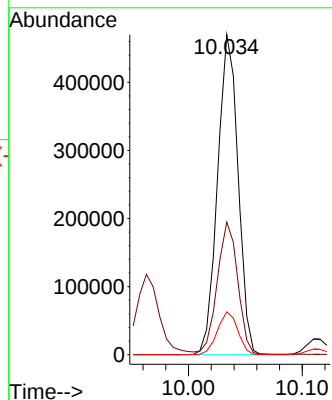
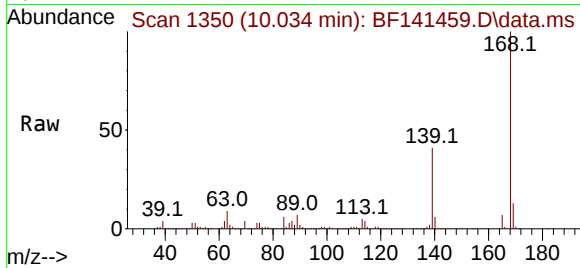




#55
Dibenzenofuran
Concen: 43.964 ng
RT: 10.034 min Scan# 1350
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

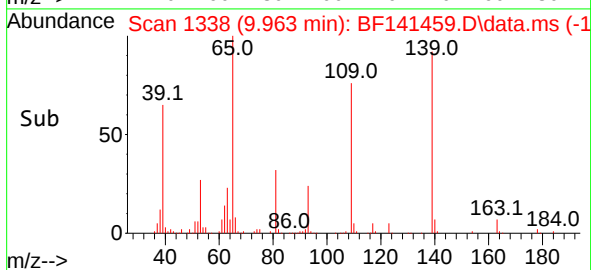
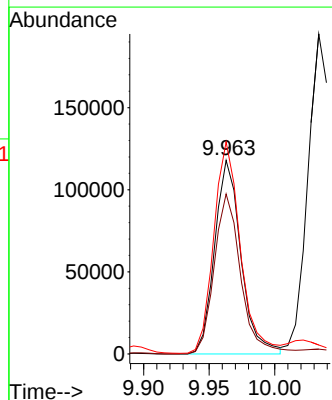
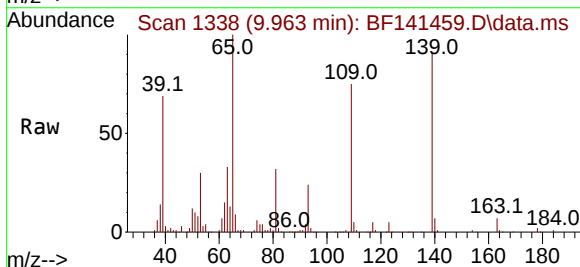
Instrument :
BNA_F
ClientSampleId :
72-11984MSD

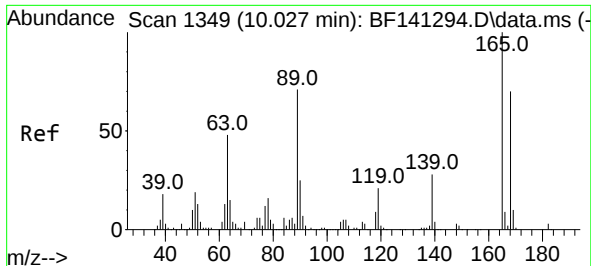
Tgt Ion:168 Resp: 590248
Ion Ratio Lower Upper
168 100
139 41.5 30.6 46.0
169 13.4 10.8 16.2



#56
4-Nitrophenol
Concen: 89.004 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:139 Resp: 165073
Ion Ratio Lower Upper
139 100
109 82.6 50.2 90.2
65 109.5 80.6 120.6

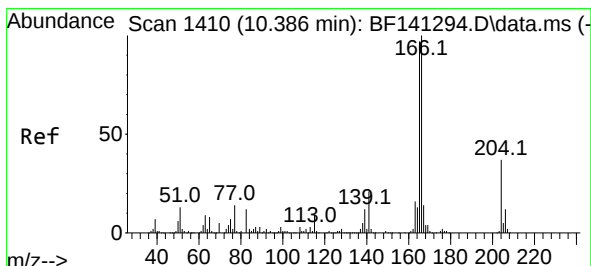
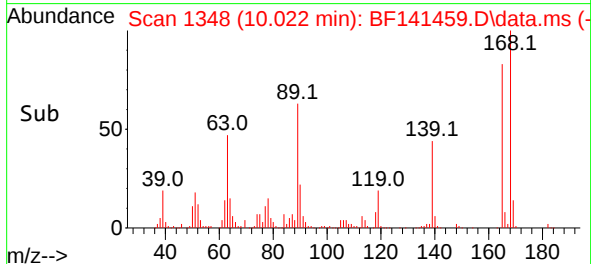
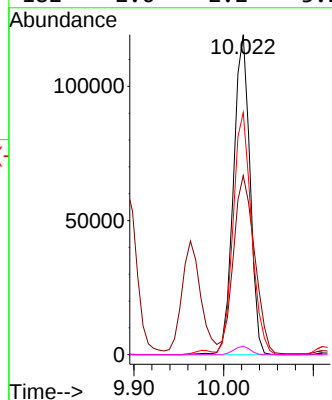
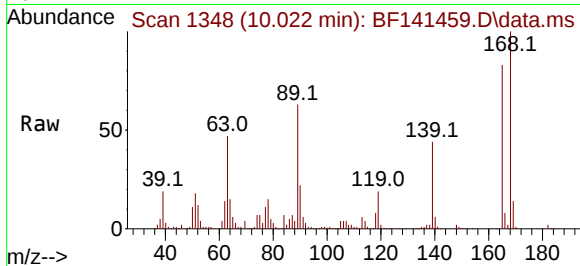




#57
2,4-Dinitrotoluene
Concen: 45.403 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

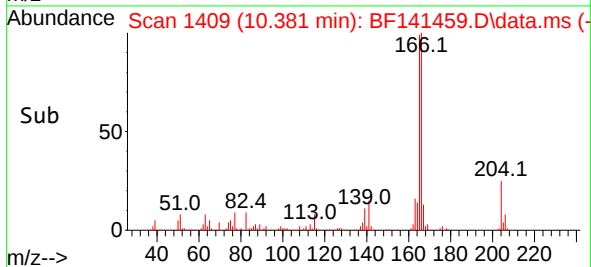
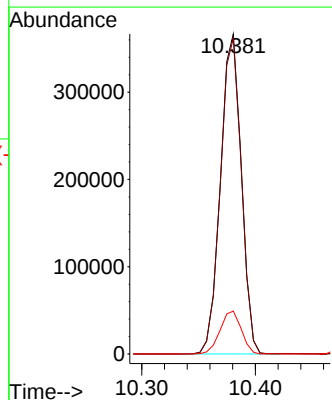
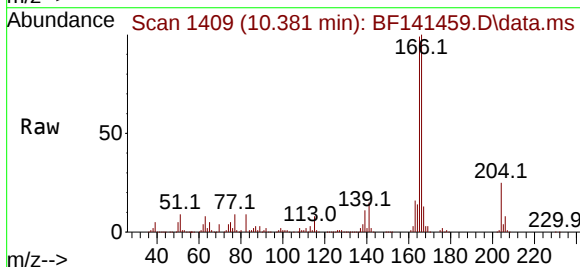
Instrument :
BNA_F
ClientSampleId :
72-11984MSD

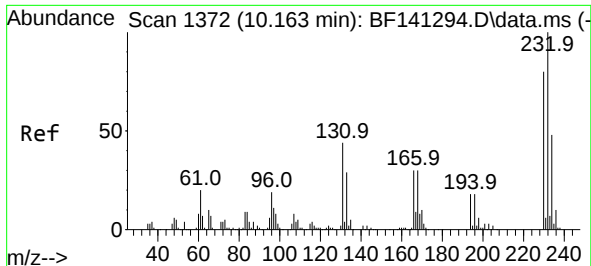
Tgt Ion:165 Resp: 152103
Ion Ratio Lower Upper
165 100
63 55.9 39.2 58.8
89 75.7 56.9 85.3
182 2.6 2.2 3.2



#58
Fluorene
Concen: 44.950 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:166 Resp: 468110
Ion Ratio Lower Upper
166 100
165 98.6 77.5 116.3
167 13.4 10.9 16.3

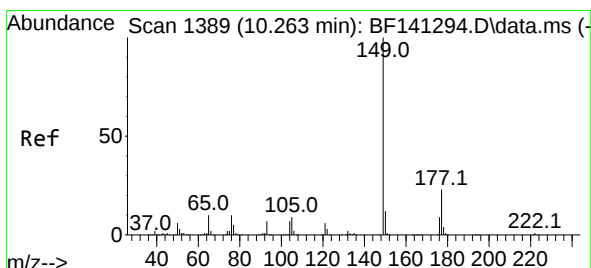
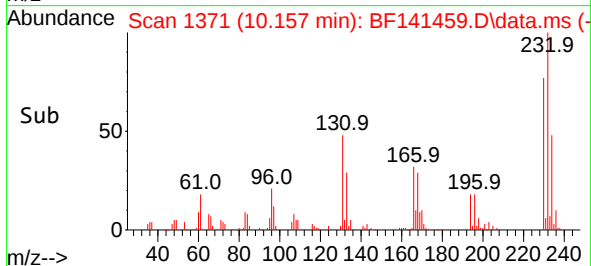
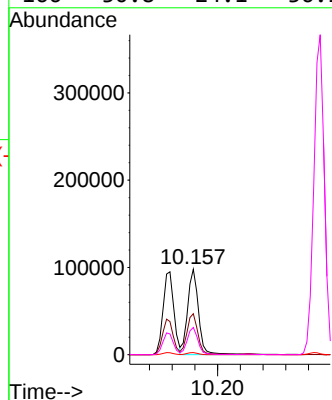
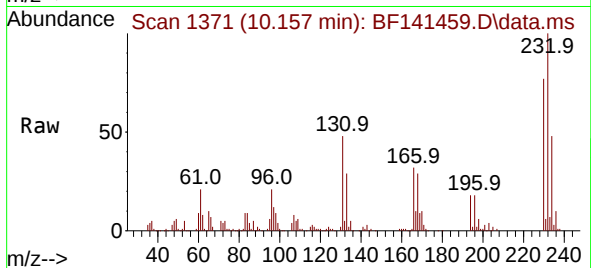




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.173 ng
RT: 10.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

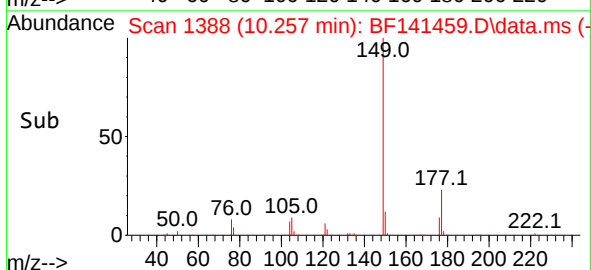
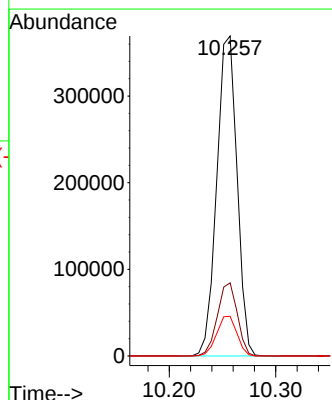
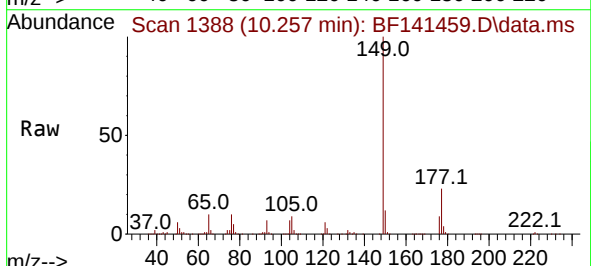
Instrument :
BNA_F
ClientSampleId :
72-11984MSD

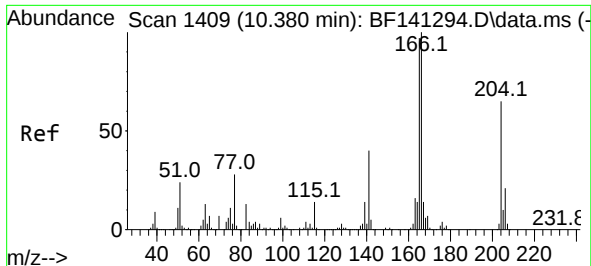
Tgt Ion:232 Resp: 129361
Ion Ratio Lower Upper
232 100
131 47.3 36.4 54.6
130 2.4 1.9 2.9
166 30.8 24.1 36.1



#60
Diethylphthalate
Concen: 45.100 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:149 Resp: 487316
Ion Ratio Lower Upper
149 100
177 22.9 18.5 27.7
150 12.4 10.0 15.0

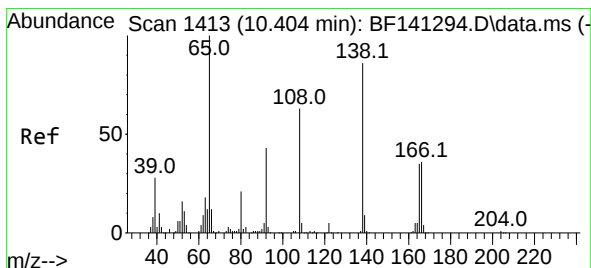
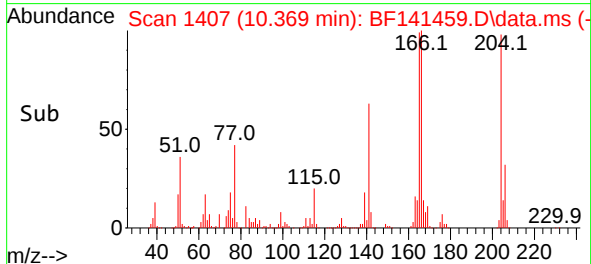
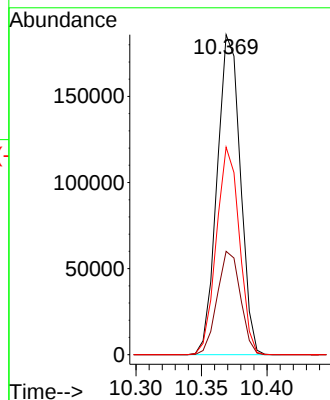
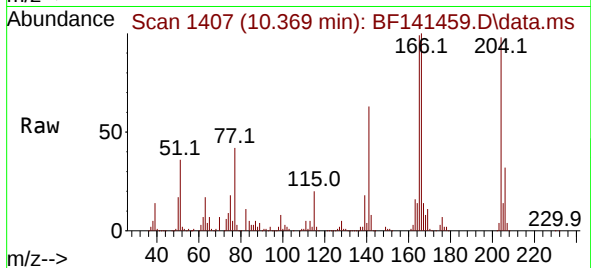




#61
4-Chlorophenyl-phenylether
Concen: 44.988 ng
RT: 10.369 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

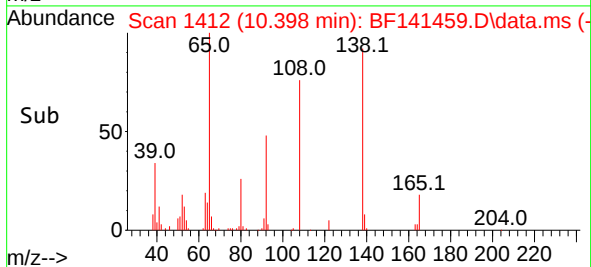
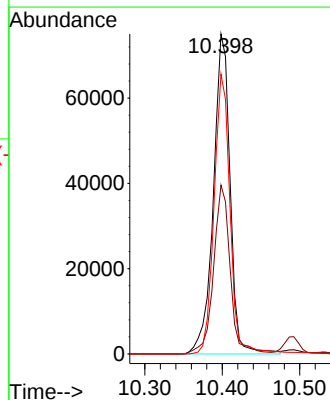
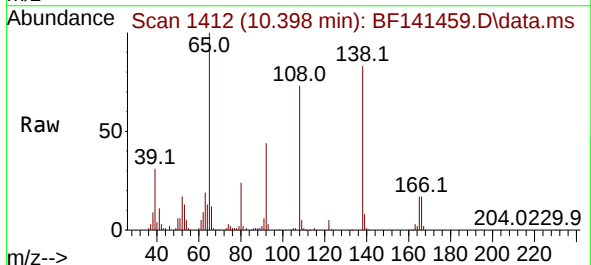
Instrument :
BNA_F
ClientSampleId :
72-11984MSD

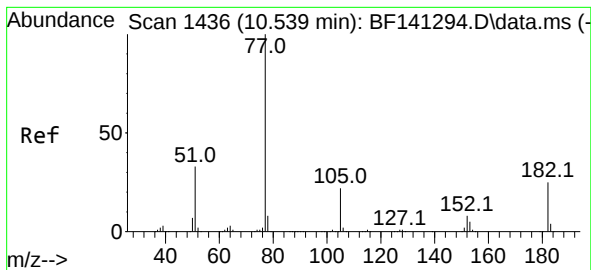
Tgt Ion:204 Resp: 228856
Ion Ratio Lower Upper
204 100
206 32.3 25.9 38.9
141 64.9 49.5 74.3



#62
4-Nitroaniline
Concen: 45.250 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:138 Resp: 112819
Ion Ratio Lower Upper
138 100
92 52.7 30.1 70.1
108 87.5 53.1 93.1

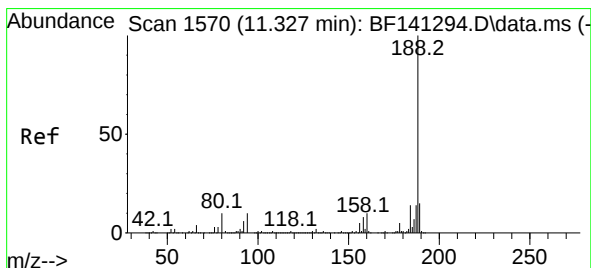
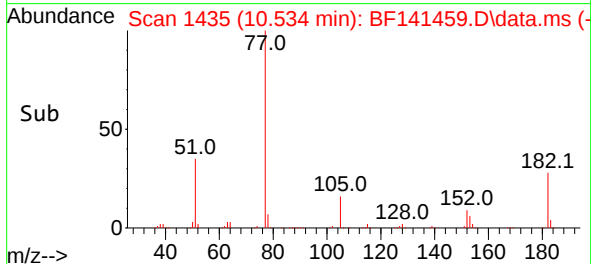
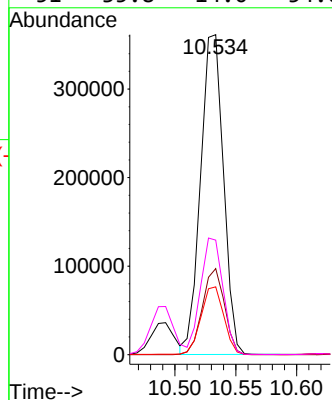
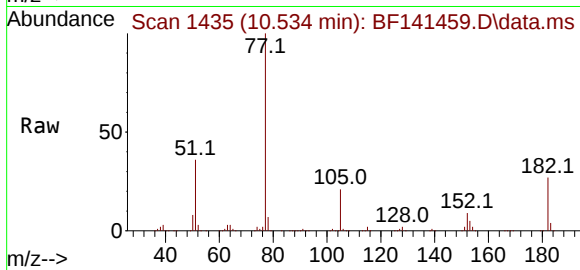




#63
Azobenzene
Concen: 43.625 ng
RT: 10.534 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

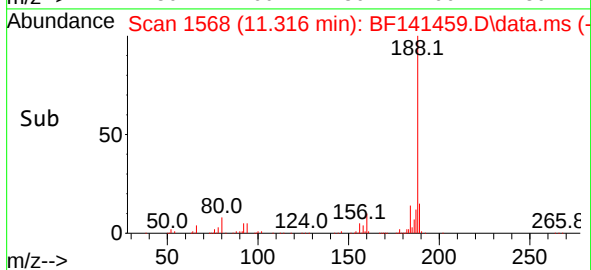
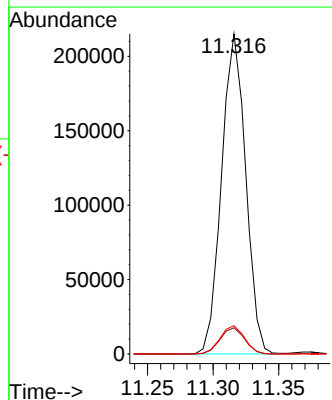
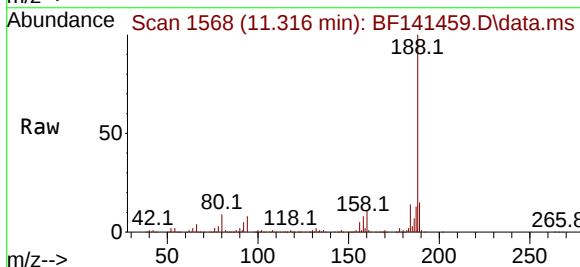
Instrument :
BNA_F
ClientSampleId :
72-11984MSD

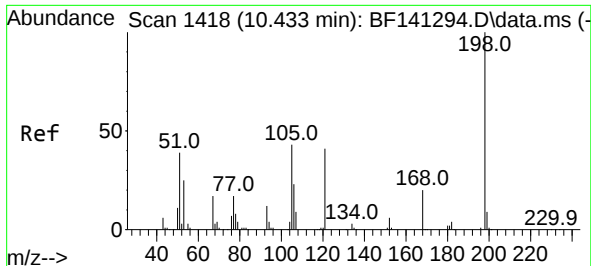
Tgt Ion: 77	Resp: 471834
Ion Ratio	Lower Upper
77 100	
182 26.9	5.1 45.1
105 21.2	1.8 41.8
51 35.8	14.0 54.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:188	Resp: 275032		
Ion Ratio	Lower	Upper	
188 100			
94 8.2	7.8	11.6	
80 8.8	8.2	12.4	

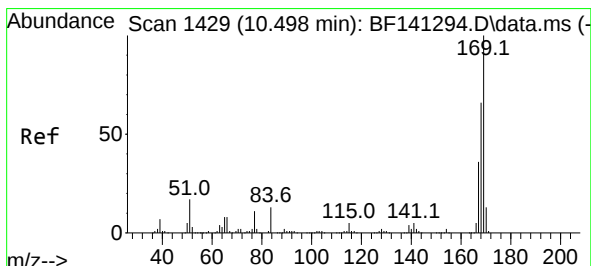
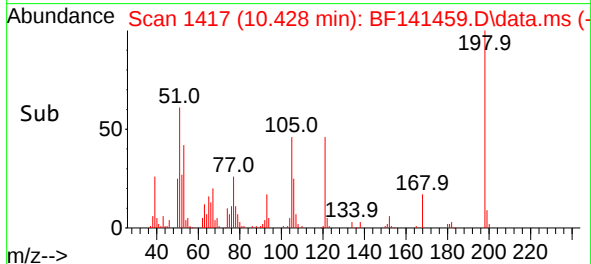
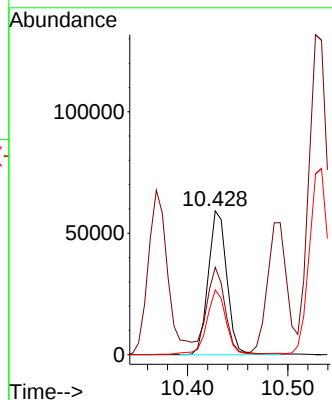
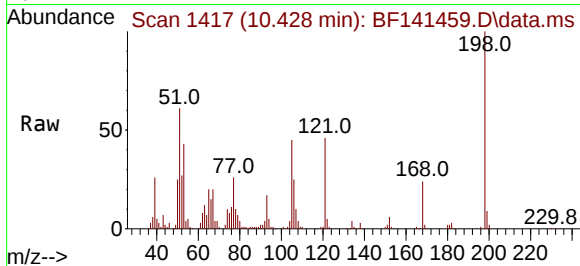




#65
4,6-Dinitro-2-methylphenol
Concen: 47.085 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

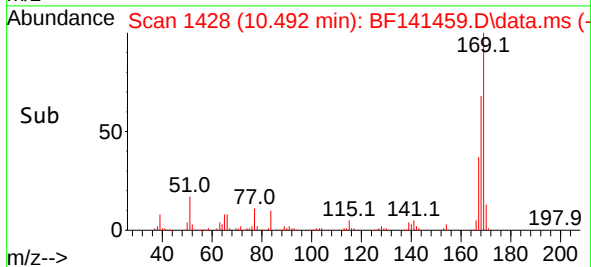
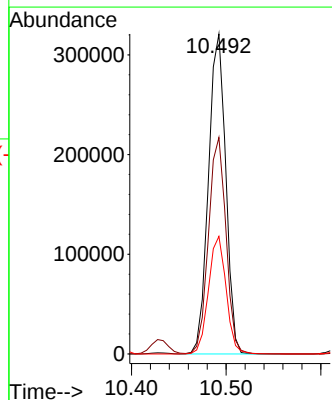
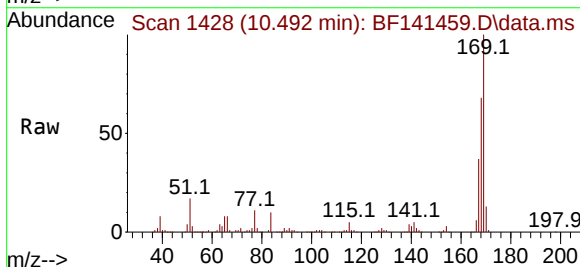
Instrument :
BNA_F
ClientSampleId :
72-11984MSD

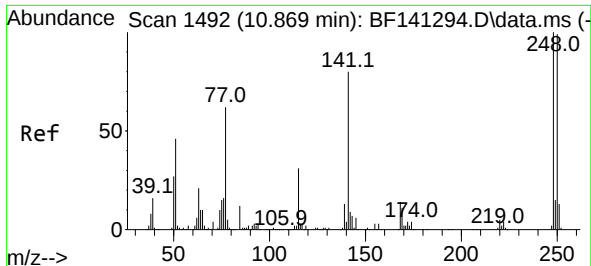
Tgt Ion:198 Resp: 76598
Ion Ratio Lower Upper
198 100
51 60.8 33.4 73.4
105 45.0 24.4 64.4



#66
n-Nitrosodiphenylamine
Concen: 45.831 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:169 Resp: 407690
Ion Ratio Lower Upper
169 100
168 67.7 53.0 79.4
167 36.7 28.8 43.2

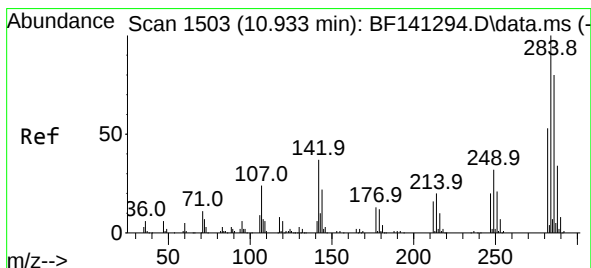
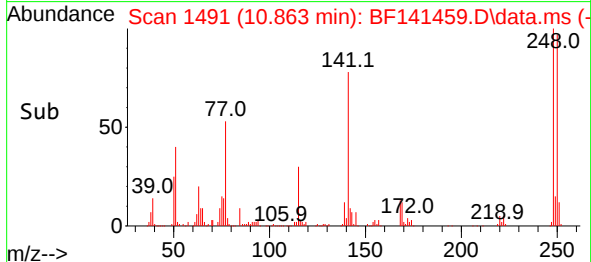
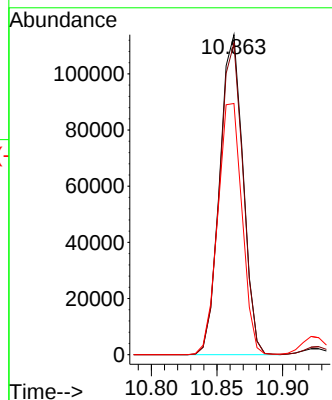
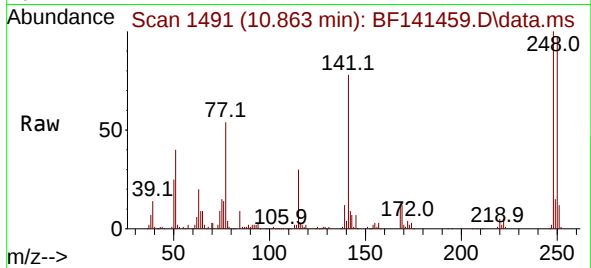




#67
4-Bromophenyl-phenylether
Concen: 45.823 ng
RT: 10.863 min Scan# 141
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

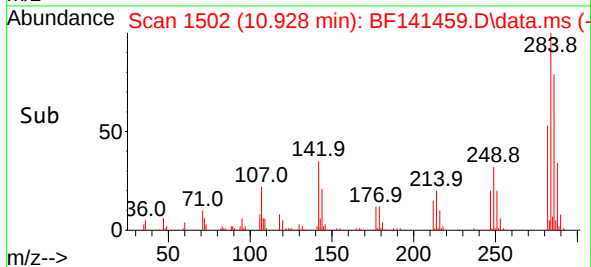
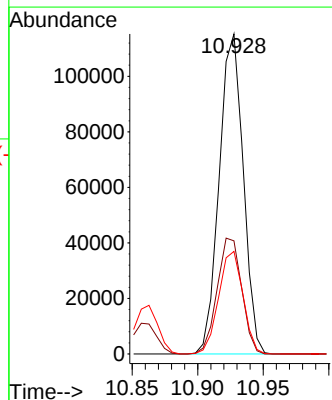
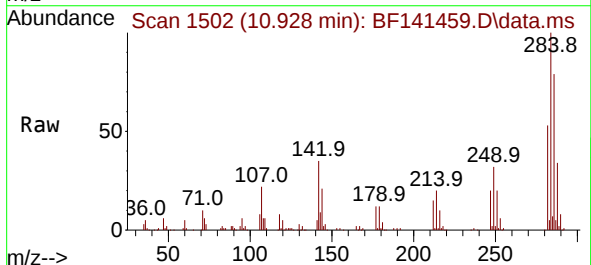
Instrument :
BNA_F
ClientSampleId :
72-11984MSD

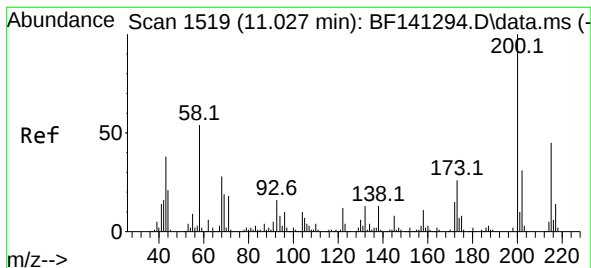
Tgt Ion:248 Resp: 141091
Ion Ratio Lower Upper
248 100
250 97.3 79.0 118.4
141 78.5 63.7 95.5



#68
Hexachlorobenzene
Concen: 44.916 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:284 Resp: 146701
Ion Ratio Lower Upper
284 100
142 35.3 29.5 44.3
249 32.1 25.4 38.2





#69

Atrazine

Concen: 52.314 ng

RT: 11.022 min Scan# 1519

Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

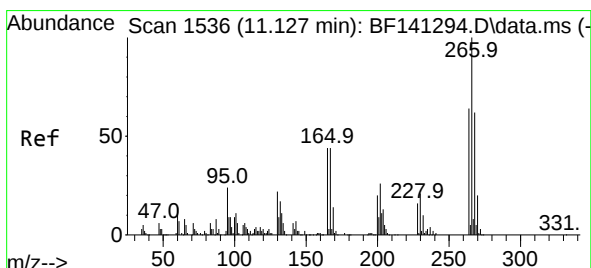
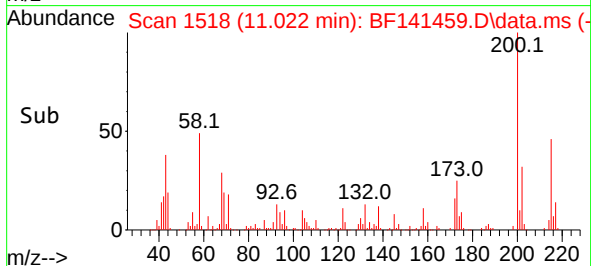
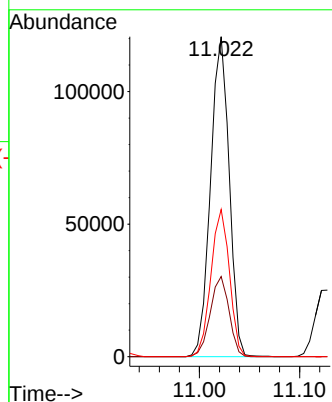
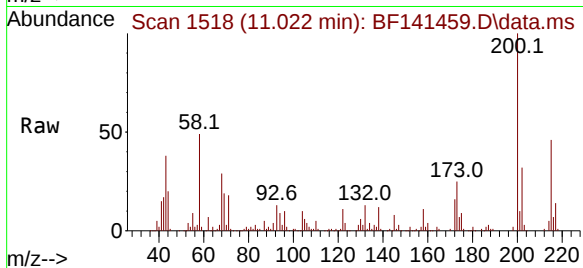
Tgt Ion:200 Resp: 155593

Ion Ratio Lower Upper

200 100

173 25.1 5.9 45.9

215 46.0 25.2 65.2



#70

Pentachlorophenol

Concen: 96.064 ng

RT: 11.128 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

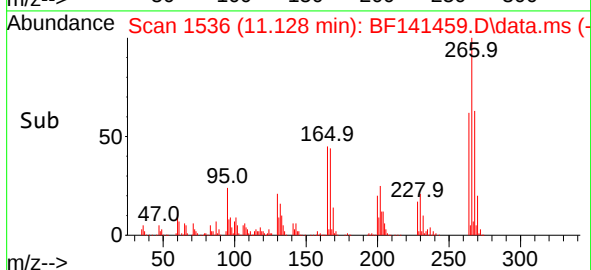
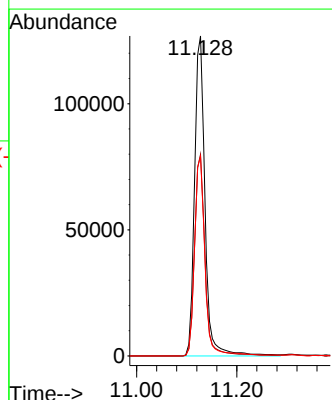
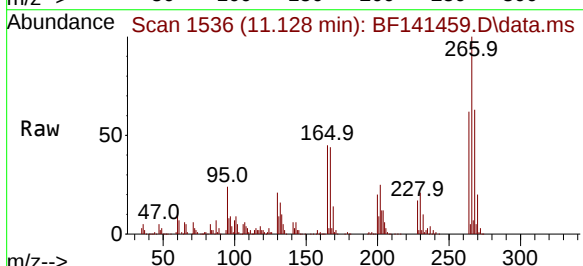
Tgt Ion:266 Resp: 183730

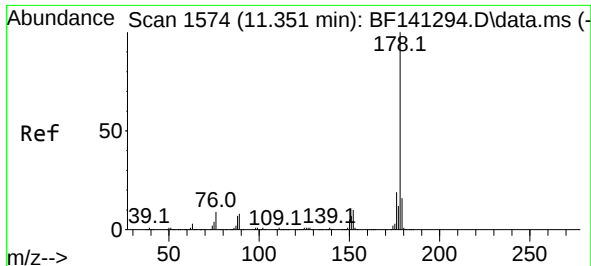
Ion Ratio Lower Upper

266 100

268 63.0 49.9 74.9

264 62.5 51.0 76.4

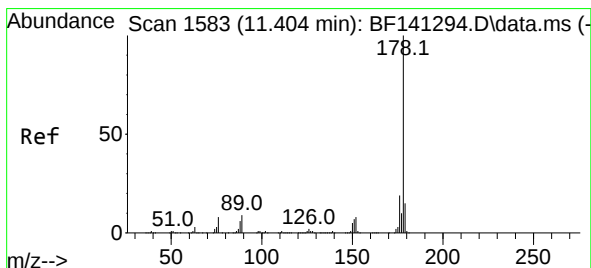
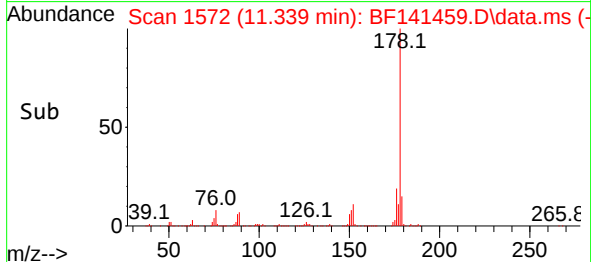
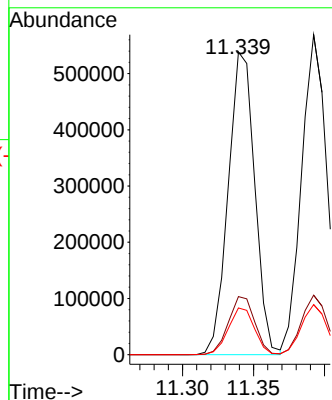
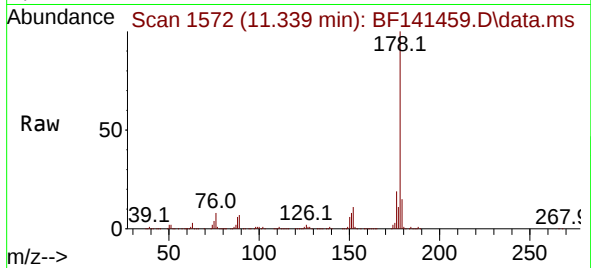




#71
Phenanthrene
Concen: 47.391 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

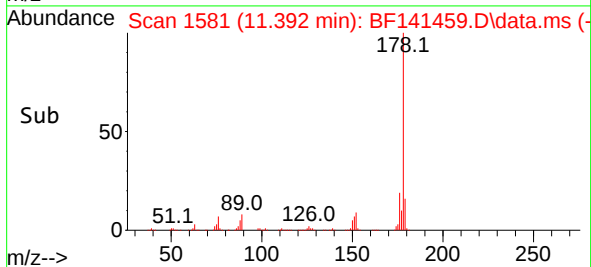
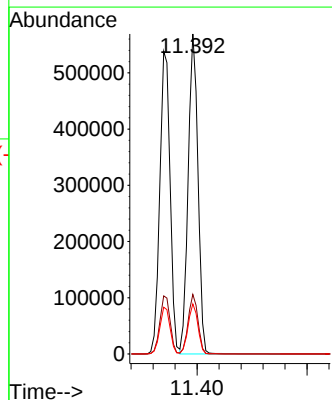
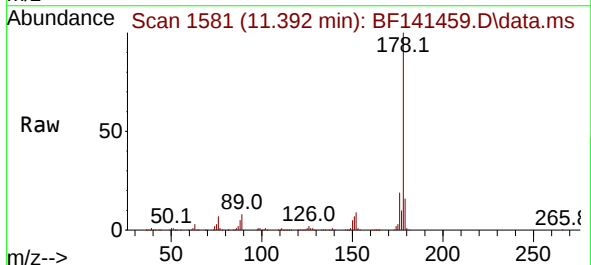
Instrument :
BNA_F
ClientSampleId :
72-11984MSD

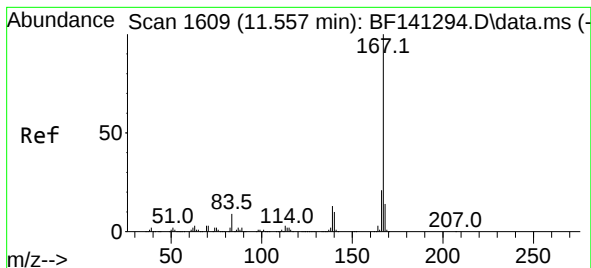
Tgt Ion:178 Resp: 700635
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.4 12.5 18.7



#72
Anthracene
Concen: 48.617 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:178 Resp: 704249
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.7 12.3 18.5





#73

Carbazole

Concen: 46.582 ng

RT: 11.551 min Scan# 1609

Delta R.T. -0.006 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

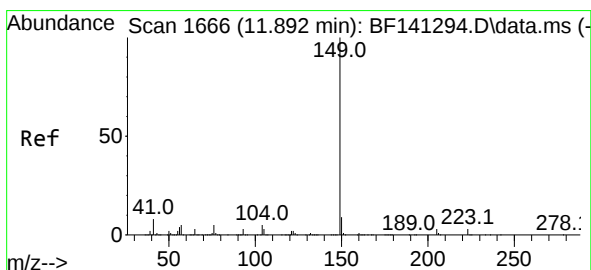
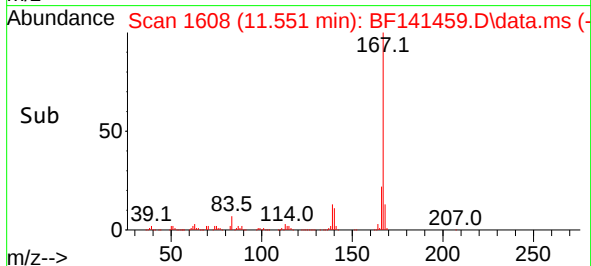
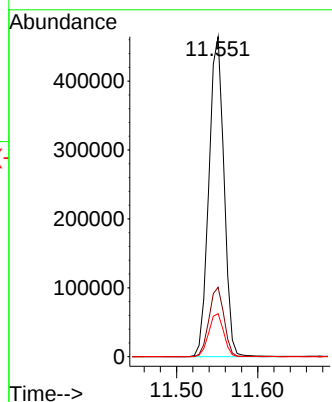
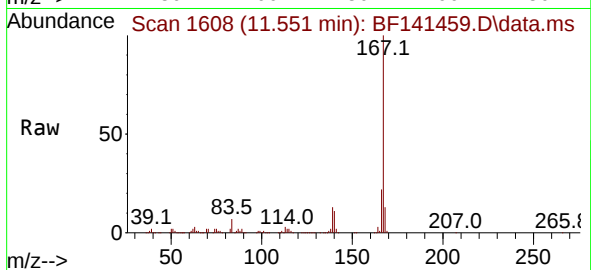
Tgt Ion:167 Resp: 598333

Ion Ratio Lower Upper

167 100

166 21.7 17.0 25.6

139 13.5 10.6 16.0



#74

Di-n-butylphthalate

Concen: 46.079 ng

RT: 11.880 min Scan# 1664

Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

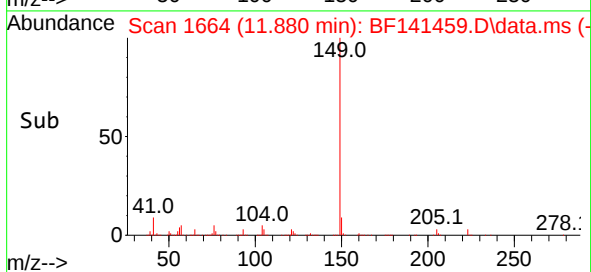
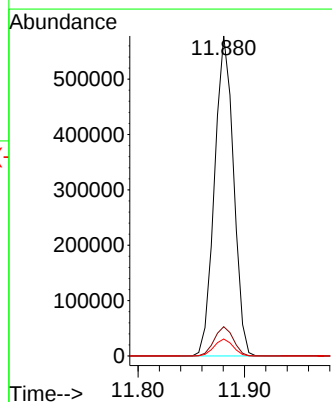
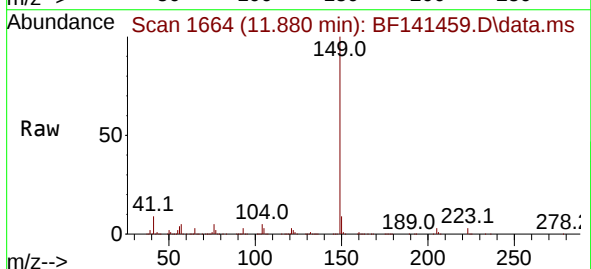
Tgt Ion:149 Resp: 717296

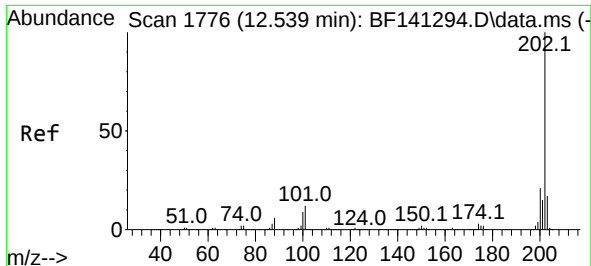
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.2

104 5.3 3.9 5.9

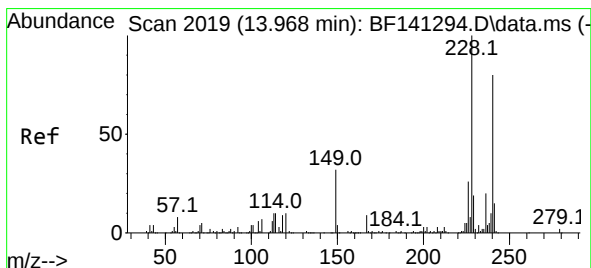
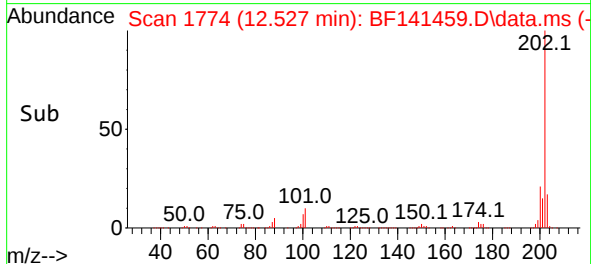
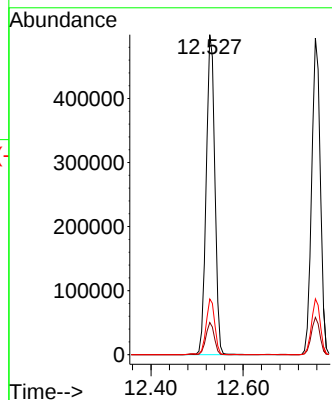
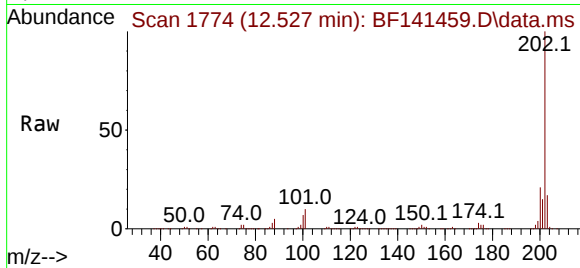




#75
Fluoranthene
Concen: 44.918 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

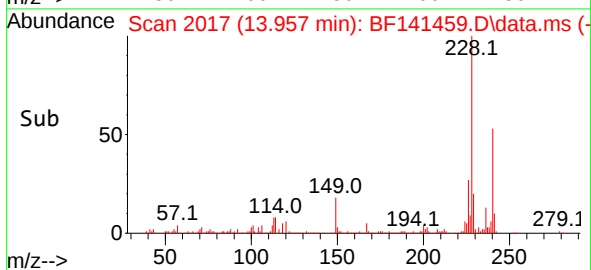
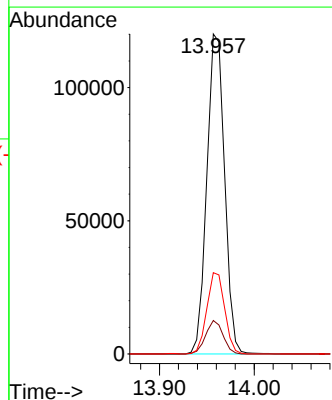
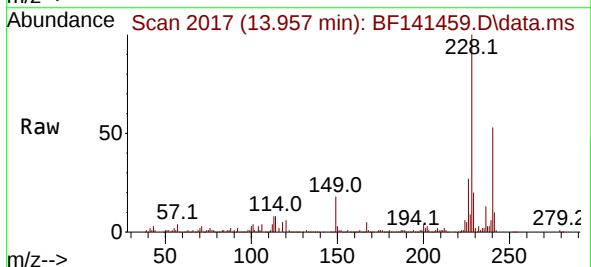
Instrument :
BNA_F
ClientSampleId :
72-11984MSD

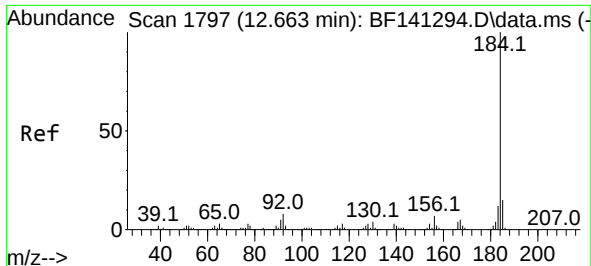
Tgt Ion:202 Resp: 655696
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.7
203 17.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:240 Resp: 156525
Ion Ratio Lower Upper
240 100
120 10.5 10.0 15.0
236 25.4 19.7 29.5

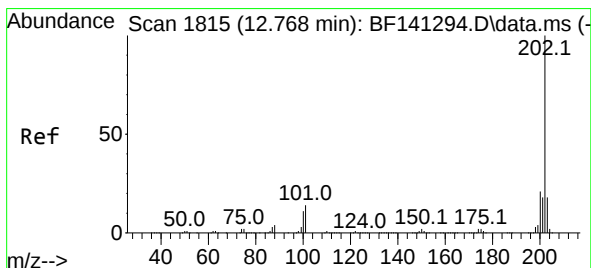
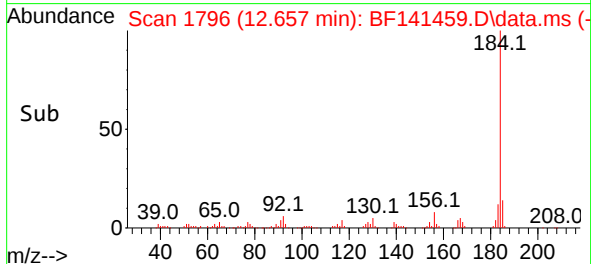
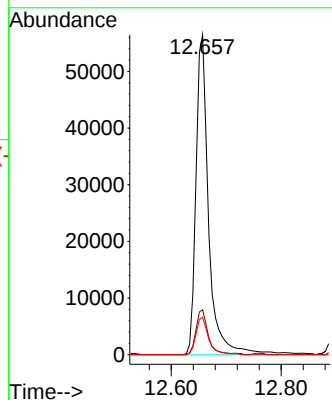
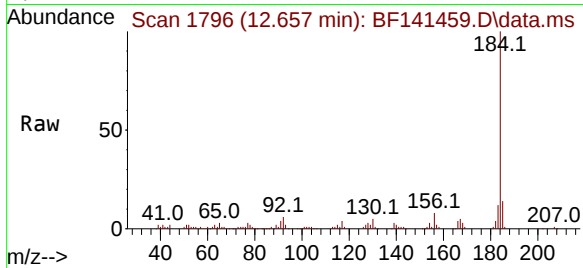




#77
Benzidine
Concen: 17.934 ng
RT: 12.657 min Scan# 1796
Delta R.T. -0.006 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

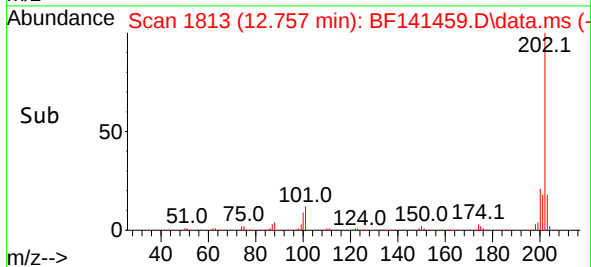
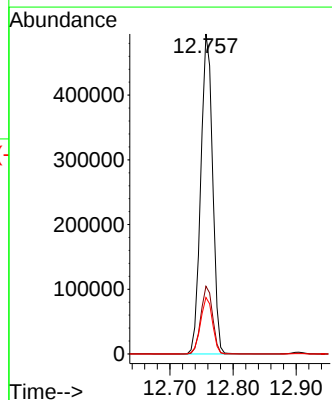
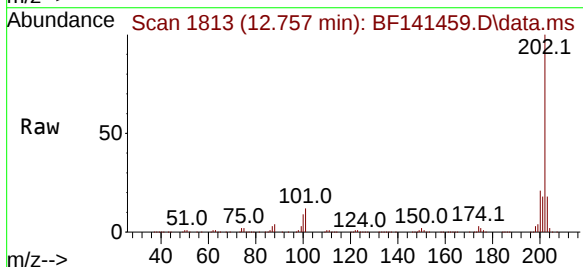
Instrument :
BNA_F
ClientSampleId :
72-11984MSD

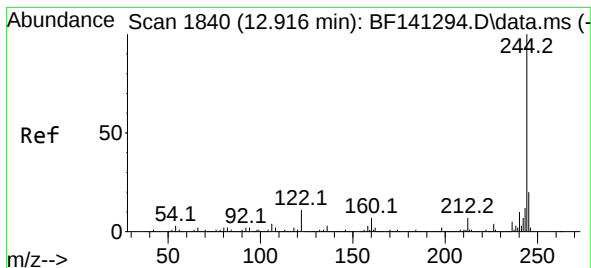
Tgt Ion:184 Resp: 89994
Ion Ratio Lower Upper
184 100
185 14.1 11.9 17.9
183 11.7 9.5 14.3



#78
Pyrene
Concen: 42.738 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:202 Resp: 642133
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.7 14.3 21.5





#79

Terphenyl-d14

Concen: 95.891 ng

RT: 12.904 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

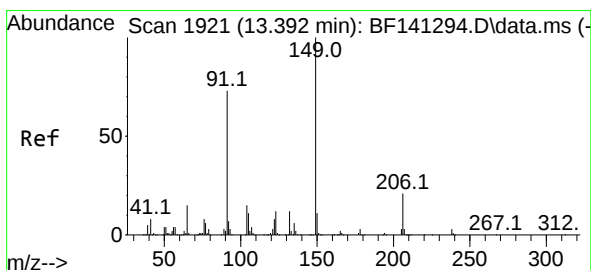
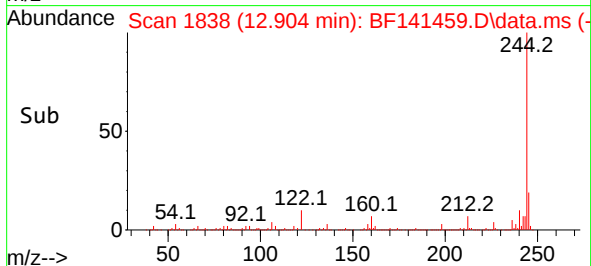
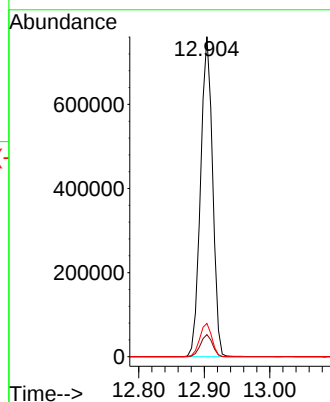
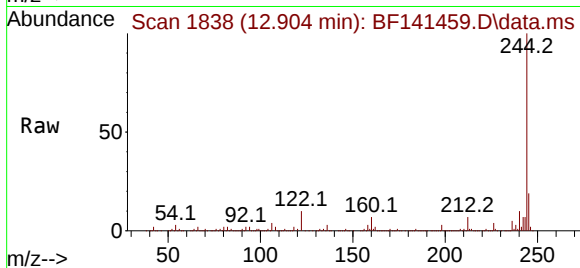
Tgt Ion:244 Resp: 973255

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 10.4 8.8 13.2



#80

Butylbenzylphthalate

Concen: 44.013 ng

RT: 13.380 min Scan# 1919

Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

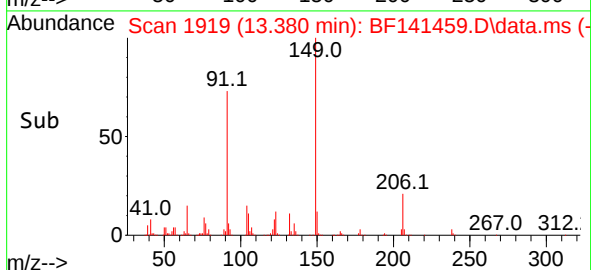
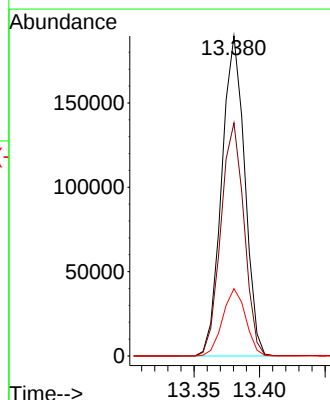
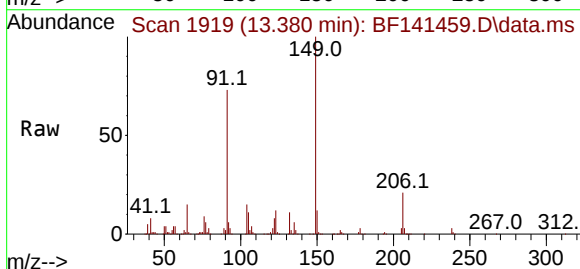
Tgt Ion:149 Resp: 231026

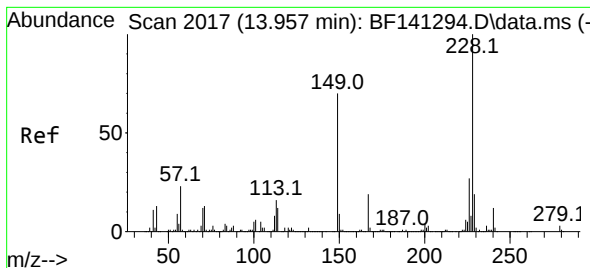
Ion Ratio Lower Upper

149 100

91 72.8 58.6 87.8

206 21.0 16.7 25.1





#81

Benzo(a)anthracene

Concen: 43.955 ng

RT: 13.951 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

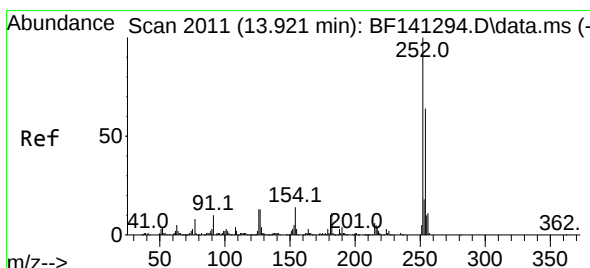
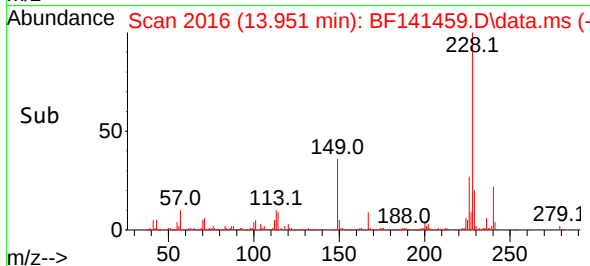
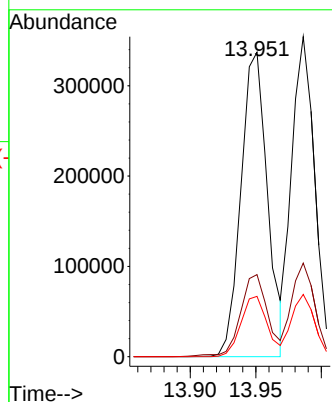
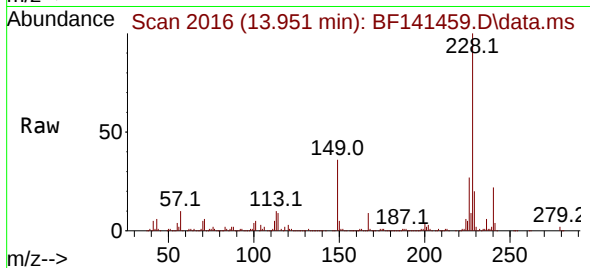
Tgt Ion:228 Resp: 474761

Ion Ratio Lower Upper

228 100

226 27.0 21.4 32.2

229 19.8 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 44.048 ng

RT: 13.916 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

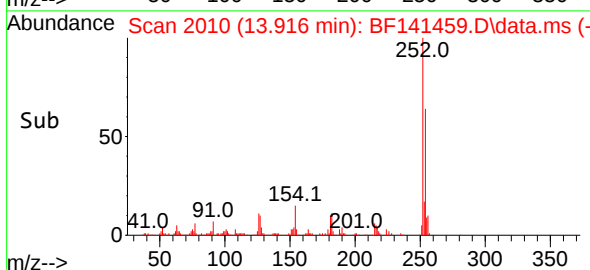
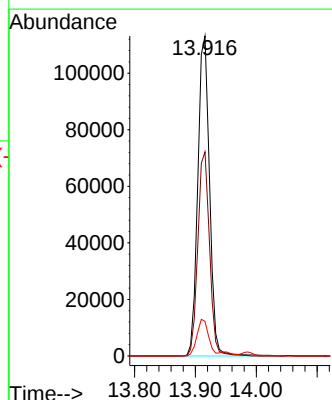
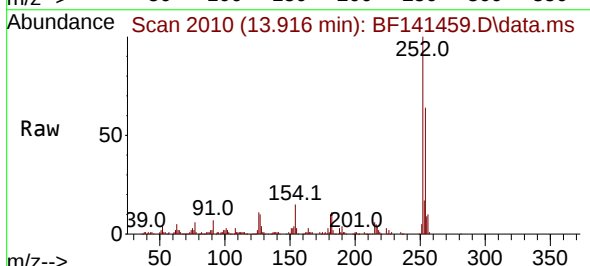
Tgt Ion:252 Resp: 151317

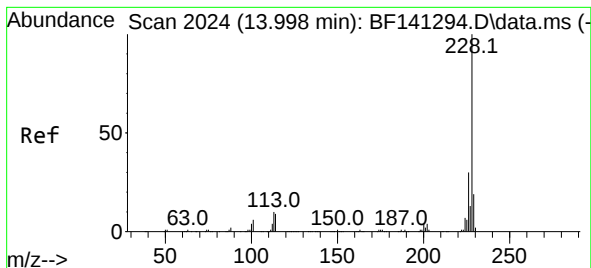
Ion Ratio Lower Upper

252 100

254 63.8 51.3 76.9

126 10.8 10.0 15.0





#83

Chrysene

Concen: 43.704 ng

RT: 13.986 min Scan# 2014

Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

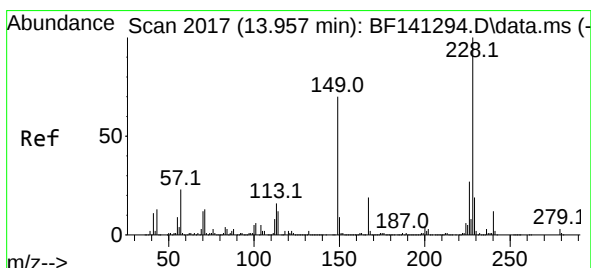
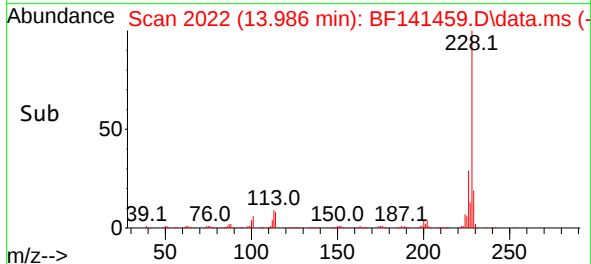
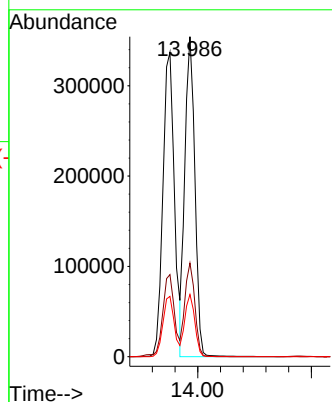
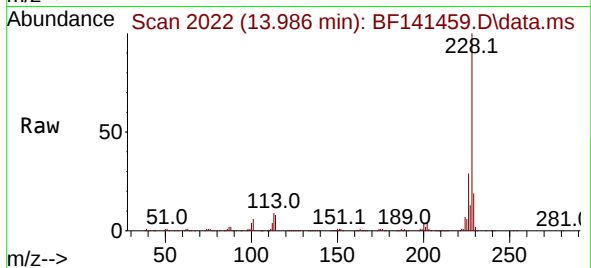
Tgt Ion:228 Resp: 432622

Ion Ratio Lower Upper

228 100

226 29.3 24.1 36.1

229 19.5 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.702 ng

RT: 13.939 min Scan# 2014

Delta R.T. -0.018 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

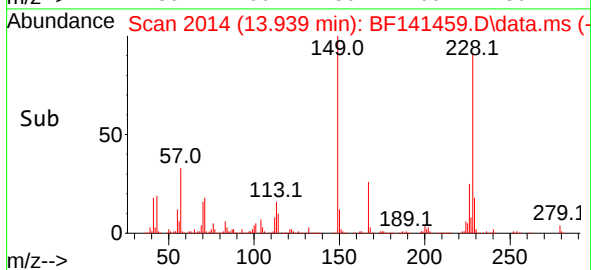
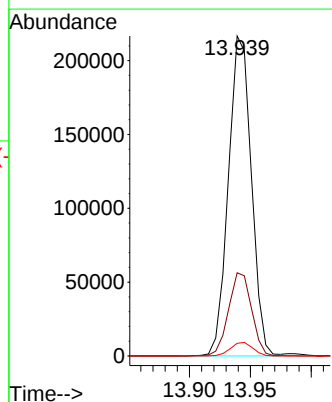
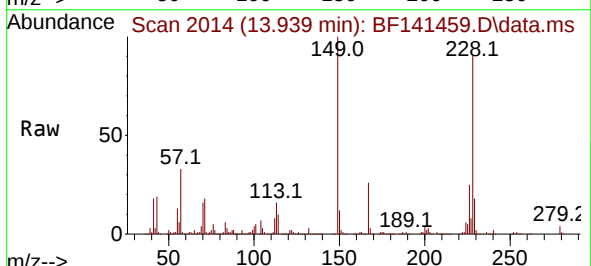
Tgt Ion:149 Resp: 284339

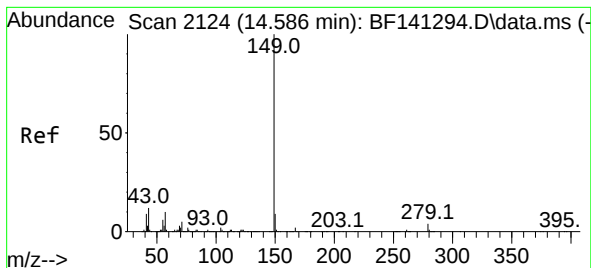
Ion Ratio Lower Upper

149 100

167 26.0 21.8 32.8

279 3.9 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 41.027 ng

RT: 14.569 min Scan# 2121

Delta R.T. -0.018 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

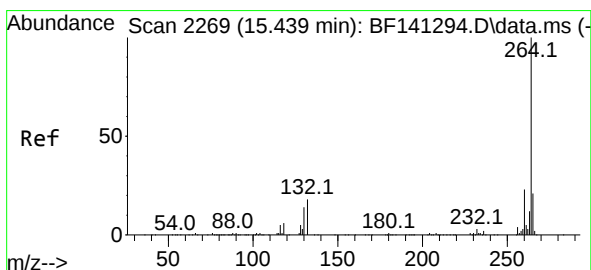
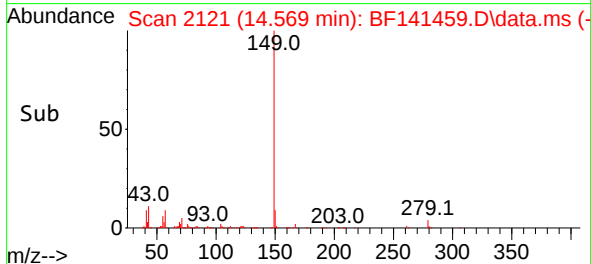
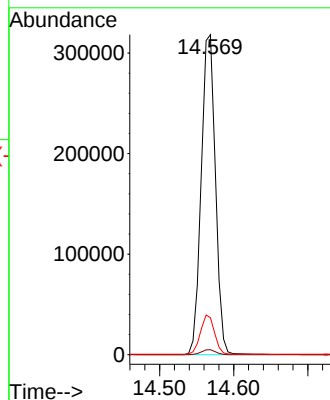
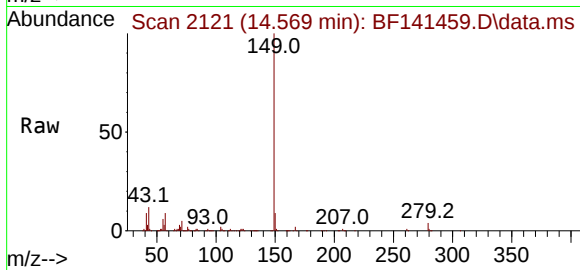
Tgt Ion:149 Resp: 424303

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 12.1 9.8 14.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

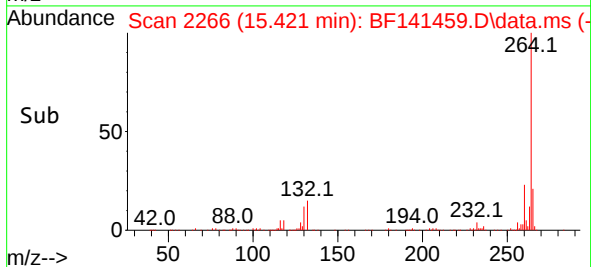
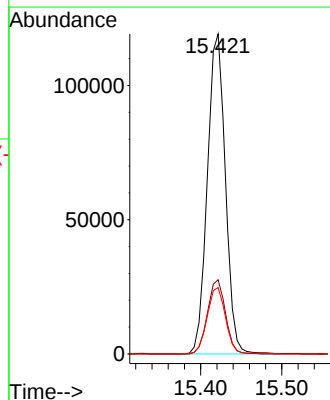
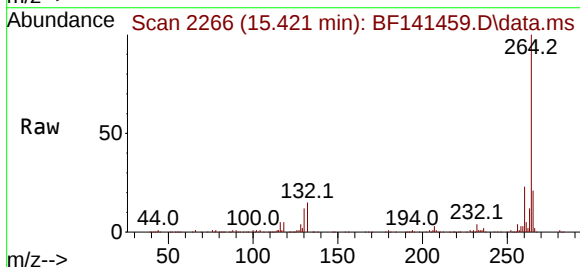
Tgt Ion:264 Resp: 183585

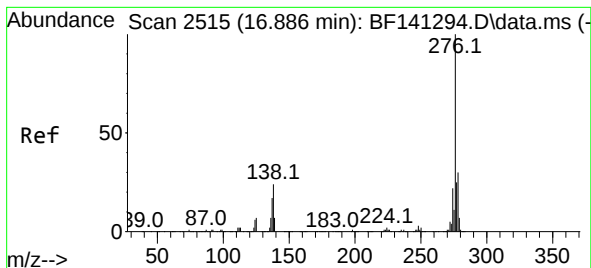
Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

265 20.7 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.187 ng

RT: 16.868 min Scan# 2194

Delta R.T. -0.029 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

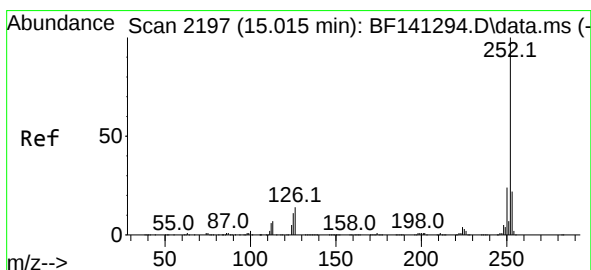
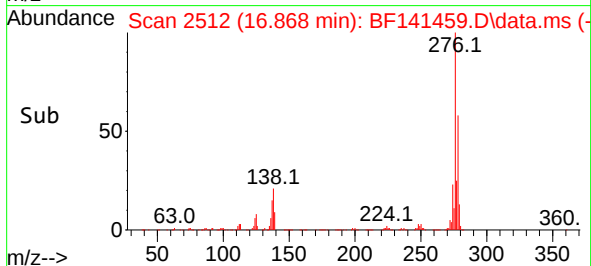
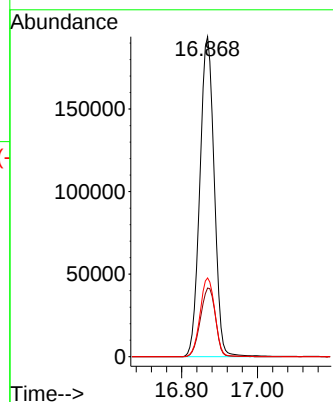
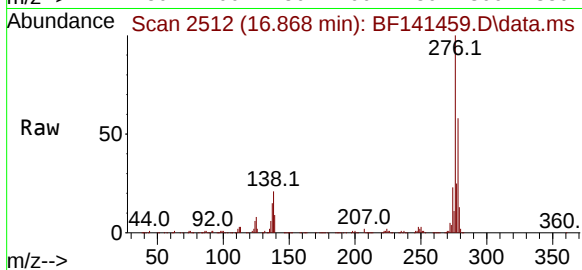
Tgt Ion:276 Resp: 511730

Ion Ratio Lower Upper

276 100

138 22.4 21.7 32.5

277 25.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 44.070 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.024 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

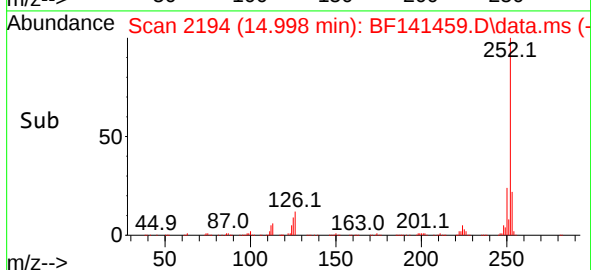
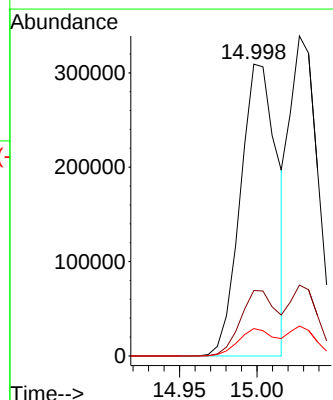
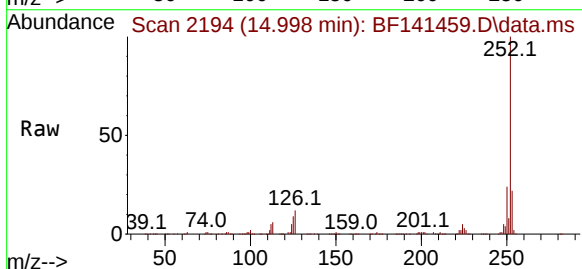
Tgt Ion:252 Resp: 508923

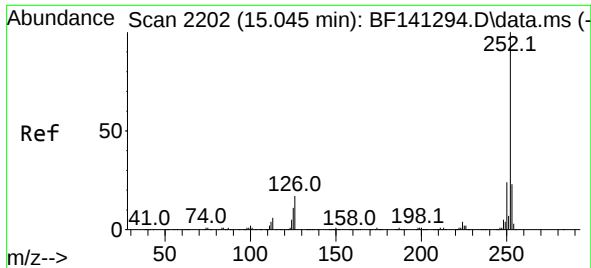
Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 9.4 8.6 12.8

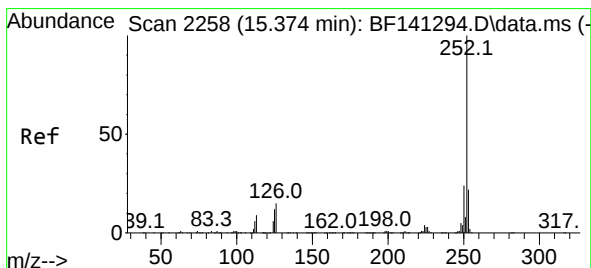
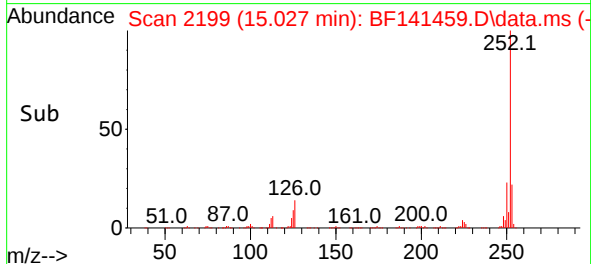
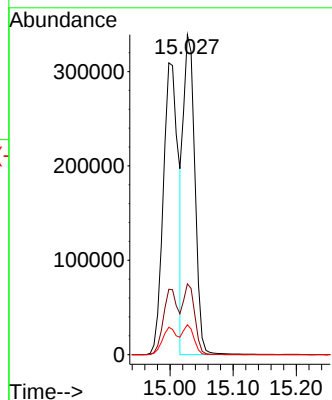
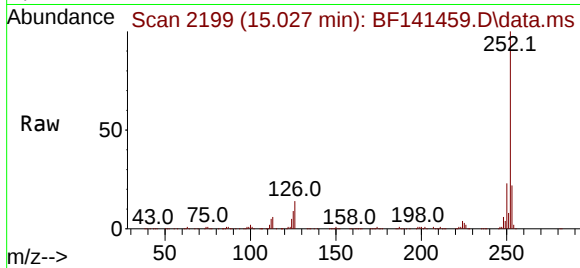




#89
Benzo(k)fluoranthene
Concen: 42.211 ng
RT: 15.027 min Scan# 2199
Delta R.T. -0.024 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

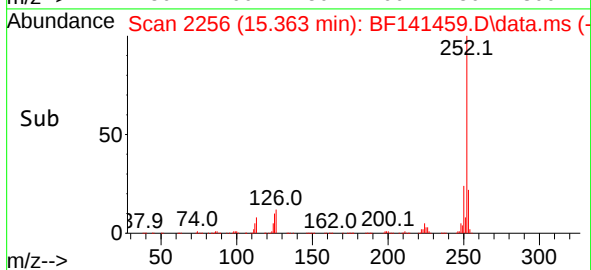
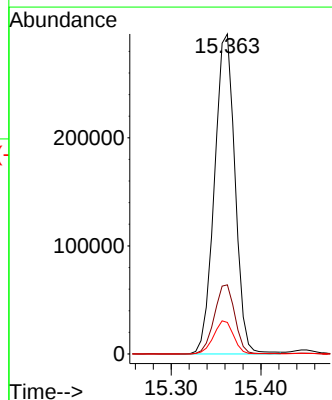
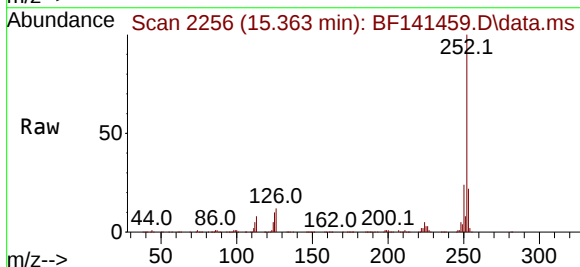
Instrument :
BNA_F
ClientSampleId :
72-11984MSD

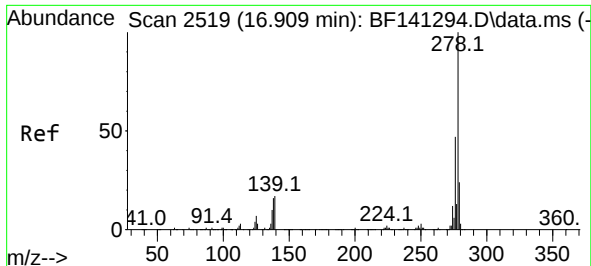
Tgt Ion:252 Resp: 431826
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 9.4 8.4 12.6



#90
Benzo(a)pyrene
Concen: 48.148 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:252 Resp: 469852
Ion Ratio Lower Upper
252 100
253 21.6 17.2 25.8
125 9.8 9.4 14.2

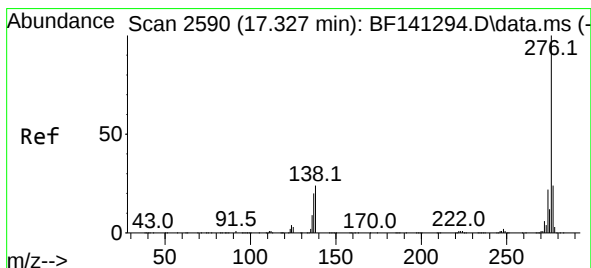
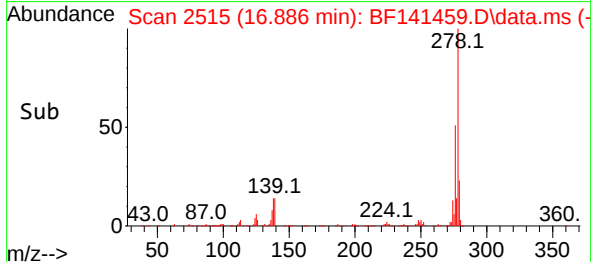
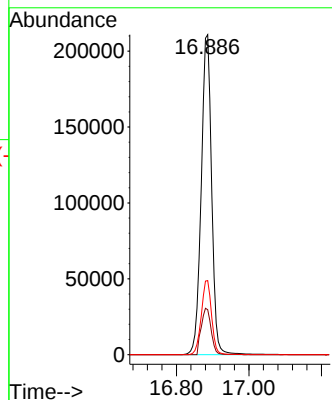
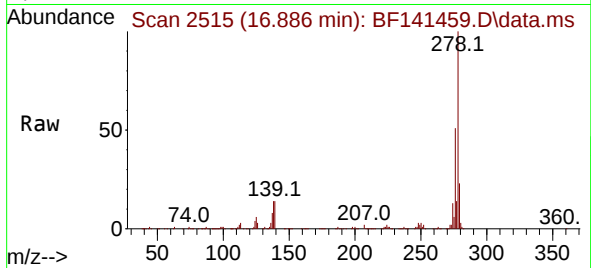




#91
Dibenzo(a,h)anthracene
Concen: 44.132 ng
RT: 16.886 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Instrument :
BNA_F
ClientSampleId :
72-11984MSD

Tgt Ion:278 Resp: 420713
Ion Ratio Lower Upper
278 100
139 14.0 13.9 20.9
279 23.1 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 36.999 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.047 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:276 Resp: 366746
Ion Ratio Lower Upper
276 100
277 23.1 19.2 28.8
138 19.5 19.0 28.4

