

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141388.D
 Acq On : 03 Feb 2025 23:56
 Operator : RC/JU
 Sample : Q1271-01MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200030MSD

Quant Time: Feb 04 01:55:12 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	6.792	152	76246	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	301527	20.000	ng	#-0.01
39) Acenaphthene-d10	9.833	164	155603	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	223623	20.000	ng	-0.01
76) Chrysene-d12	13.962	240	145645	20.000	ng	#-0.01
86) Perylene-d12	15.404	264	142381	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	620867	125.011	ng	0.01
7) Phenol-d6	6.439	99	772556	122.278	ng	0.00
23) Nitrobenzene-d5	7.357	82	498690	87.187	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	179271	125.670	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	857576	84.830	ng	-0.01
79) Terphenyl-d14	12.904	244	639907	67.758	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.557	88	111118	50.872	ng	98
3) Pyridine	3.287	79	248629	47.244	ng	97
4) n-Nitrosodimethylamine	3.240	42	161867	53.841	ng	92
6) Aniline	6.457	93	130596	24.419	ng	# 1
8) 2-Chlorophenol	6.586	128	272354	51.163	ng	96
9) Benzaldehyde	6.345	77	203633	55.643	ng	99
10) Phenol	6.451	94	325967	48.670	ng	82
11) bis(2-Chloroethyl)ether	6.534	93	249978	48.679	ng	98
12) 1,3-Dichlorobenzene	6.734	146	285887	48.708	ng	99
13) 1,4-Dichlorobenzene	6.810	146	289349	49.072	ng	99
14) 1,2-Dichlorobenzene	6.963	146	279057	50.542	ng	99
15) Benzyl Alcohol	6.939	79	243046	56.291	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.069	45	417173	46.717	ng	51
17) 2-Methylphenol	7.063	107	210945	48.758	ng	# 89
18) Hexachloroethane	7.304	117	108763	50.001	ng	98
19) n-Nitroso-di-n-propyla...	7.210	70	187790	50.021	ng	99
20) 3+4-Methylphenols	7.216	107	277698	52.277	ng	# 82
22) Acetophenone	7.204	105	417357	58.231	ng	# 96
24) Nitrobenzene	7.381	77	285677	48.196	ng	99
25) Isophorone	7.616	82	503423	50.917	ng	99
26) 2-Nitrophenol	7.692	139	143607	51.371	ng	94
27) 2,4-Dimethylphenol	7.739	122	214387	60.252	ng	97
28) bis(2-Chloroethoxy)met...	7.828	93	306900	48.662	ng	99
29) 2,4-Dichlorophenol	7.945	162	220692	50.664	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	240871	48.420	ng	99
31) Naphthalene	8.098	128	773759	48.576	ng	100
32) Benzoic acid	7.863	122	186127	56.903	ng	98
33) 4-Chloroaniline	8.151	127	50035	9.263	ng	99
34) Hexachlorobutadiene	8.216	225	148319	50.841	ng	100
35) Caprolactam	8.516	113	59194	41.609	ng	97
36) 4-Chloro-3-methylphenol	8.645	107	237879	50.911	ng	96
37) 2-Methylnaphthalene	8.786	142	485590	47.964	ng	99
38) 1-Methylnaphthalene	8.886	142	474367	47.699	ng	99
40) 1,2,4,5-Tetrachloroben...	8.957	216	257424	58.152	ng	98
41) Hexachlorocyclopentadiene	8.945	237	250420	191.549	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	153834	53.093	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	160626	50.935	ng	99
46) 1,1'-Biphenyl	9.257	154	695127	57.282	ng	99
47) 2-Chloronaphthalene	9.280	162	463216	48.973	ng	99
48) 2-Nitroaniline	9.375	65	155632	52.311	ng	95
49) Acenaphthylene	9.692	152	718827	54.290	ng	99
50) Dimethylphthalate	9.557	163	556241	52.928	ng	100
51) 2,6-Dinitrotoluene	9.616	165	119498	48.972	ng	94
52) Acenaphthene	9.869	154	546124	57.736	ng	99
53) 3-Nitroaniline	9.786	138	55514	23.212	ng	96
54) 2,4-Dinitrophenol	9.898	184	136313	120.172	ng	94
55) Dibenzofuran	10.039	168	642639	50.756	ng	97
56) 4-Nitrophenol	9.969	139	176972	101.180	ng	91
57) 2,4-Dinitrotoluene	10.022	165	157879	49.973	ng	95
58) Fluorene	10.380	166	501877	51.101	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	129014	52.002	ng	98
60) Diethylphthalate	10.257	149	519392	50.971	ng	99
61) 4-Chlorophenyl-phenyle...	10.374	204	240624	50.157	ng	97
62) 4-Nitroaniline	10.404	138	105568	44.898	ng	94
63) Azobenzene	10.533	77	533602	52.314	ng	97
65) 4,6-Dinitro-2-methylph...	10.427	198	82252	62.184	ng	95
66) n-Nitrosodiphenylamine	10.492	169	427136	59.056	ng	100
67) 4-Bromophenyl-phenylether	10.863	248	144692	57.795	ng	98
68) Hexachlorobenzene	10.927	284	144183	54.293	ng	99
69) Atrazine	11.021	200	152336	62.994	ng	100
70) Pentachlorophenol	11.127	266	168867	108.590	ng	99
71) Phenanthrene	11.345	178	796885	66.293	ng	99
72) Anthracene	11.398	178	692848	58.825	ng	100
73) Carbazole	11.551	167	539352	51.643	ng	99
74) Di-n-butylphthalate	11.886	149	672459	53.130	ng	100
75) Fluoranthene	12.533	202	863812	72.779	ng	98
77) Benzidine	12.657	184	168597	36.109	ng	100
78) Pyrene	12.763	202	817696	58.488	ng	100
80) Butylbenzylphthalate	13.380	149	227604	46.600	ng	99
81) Benzo(a)anthracene	13.951	228	611572	60.851	ng	99
82) 3,3'-Dichlorobenzidine	13.915	252	71425	22.345	ng	97
83) Chrysene	13.986	228	555374	60.296	ng	99
84) Bis(2-ethylhexyl)phtha...	13.945	149	294695	47.564	ng	99
85) Di-n-octyl phthalate	14.557	149	498329	51.784	ng	99
87) Indeno(1,2,3-cd)pyrene	16.845	276	417175	45.396	ng	95
88) Benzo(b)fluoranthene	14.992	252	608607	67.954	ng	98
89) Benzo(k)fluoranthene	15.015	252	482743	60.844	ng	98
90) Benzo(a)pyrene	15.351	252	499096	65.945	ng	# 97
91) Dibenzo(a,h)anthracene	16.862	278	324601	43.904	ng	98
92) Benzo(g,h,i)perylene	17.280	276	309500	40.260	ng	95

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

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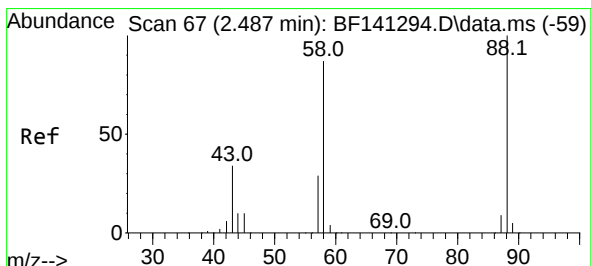
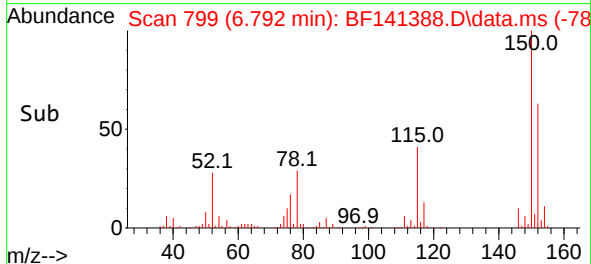
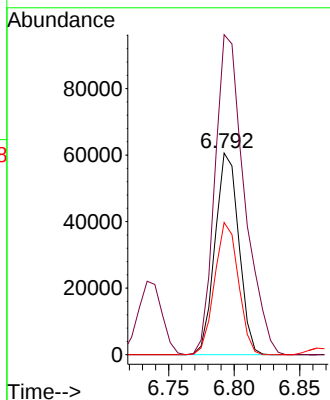
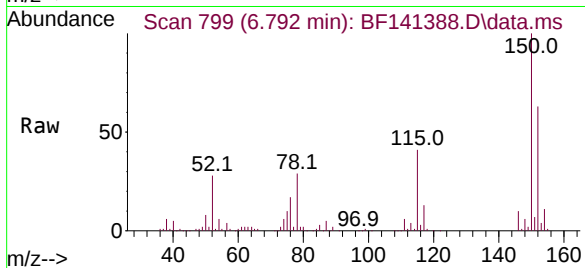




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 79
 Delta R.T. -0.012 min
 Lab File: BF141388.D
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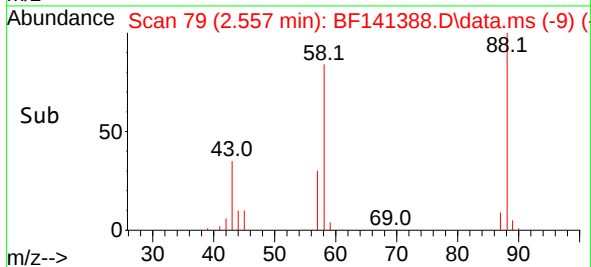
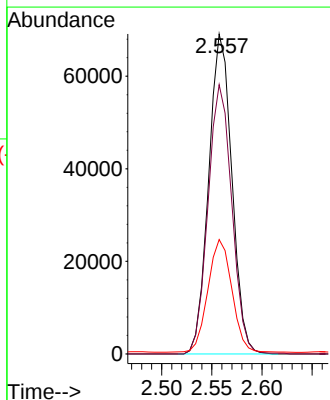
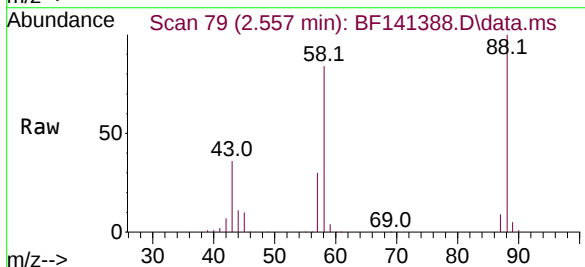
Instrument :
 BNA_F
 ClientSampleId :
 RBR200030MSD

Tgt Ion:152 Resp: 76246
 Ion Ratio Lower Upper
 152 100
 150 158.7 125.9 188.9
 115 65.5 49.7 74.5



#2
 1,4-Dioxane
 Concen: 50.872 ng
 RT: 2.557 min Scan# 79
 Delta R.T. 0.064 min
 Lab File: BF141388.D
 Acq: 03 Feb 2025 23:56

Tgt Ion: 88 Resp: 111118
 Ion Ratio Lower Upper
 88 100
 58 86.6 70.2 105.4
 43 36.7 27.6 41.4





#3

Pyridine

Concen: 47.244 ng

RT: 3.287 min Scan# 20

Delta R.T. 0.059 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

RBR200030MSD

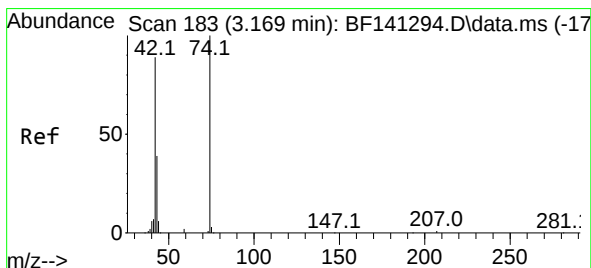
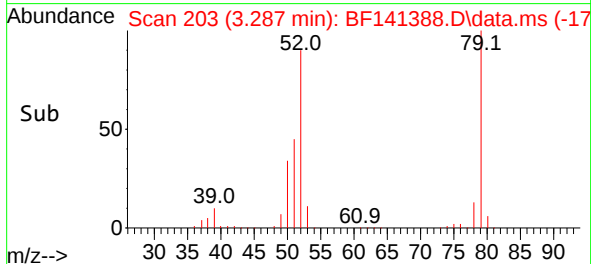
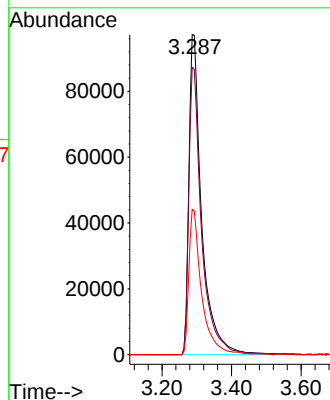
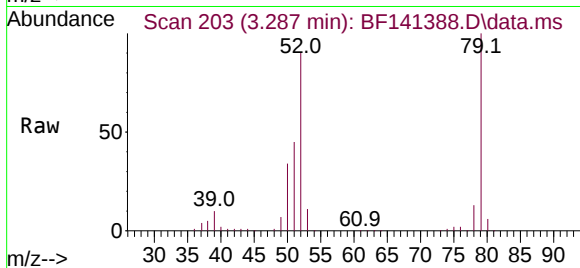
Tgt Ion: 79 Resp: 248629

Ion Ratio Lower Upper

79 100

52 89.7 70.3 105.5

51 45.4 34.3 51.5



#4

n-Nitrosodimethylamine

Concen: 53.841 ng

RT: 3.240 min Scan# 195

Delta R.T. 0.041 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

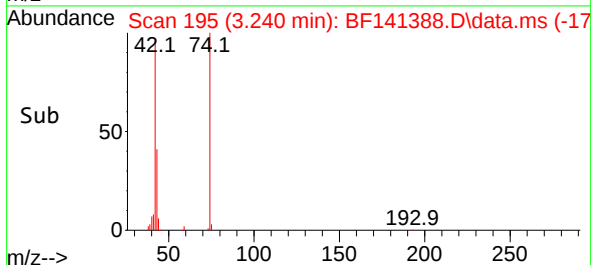
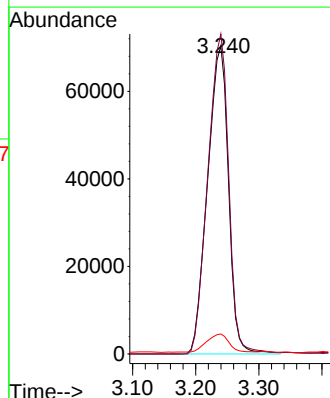
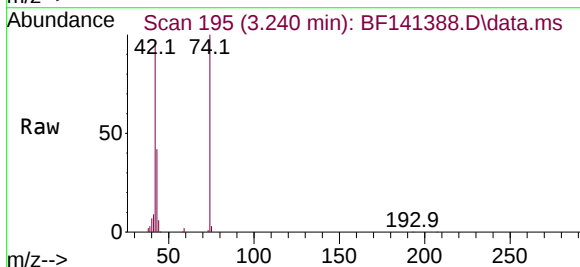
Tgt Ion: 42 Resp: 161867

Ion Ratio Lower Upper

42 100

74 103.8 90.3 135.5

44 6.5 5.7 8.5

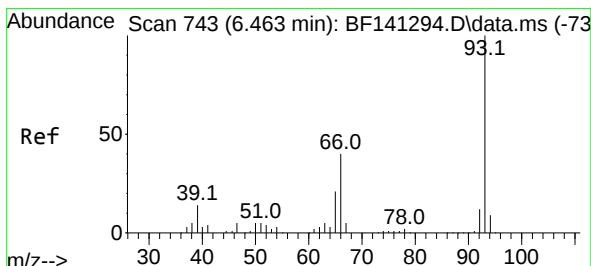
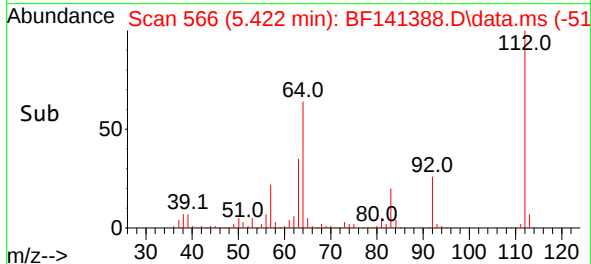
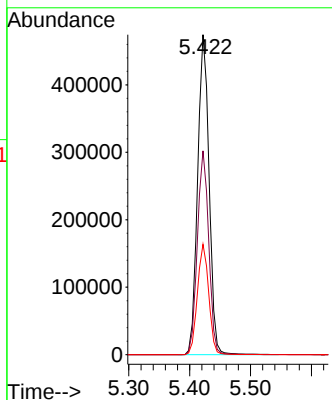
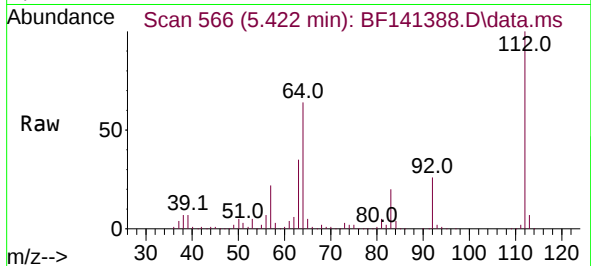




#5
2-Fluorophenol
Concen: 125.011 ng
RT: 5.422 min Scan# 50
Delta R.T. 0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

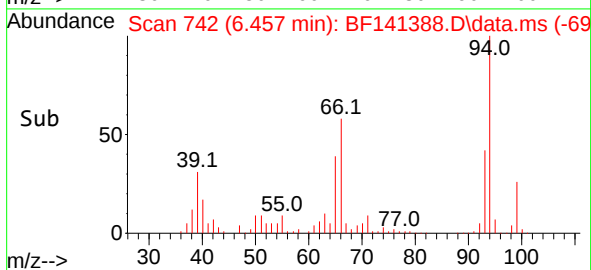
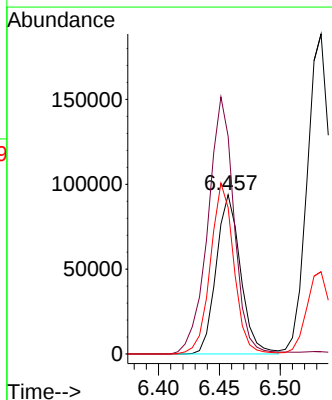
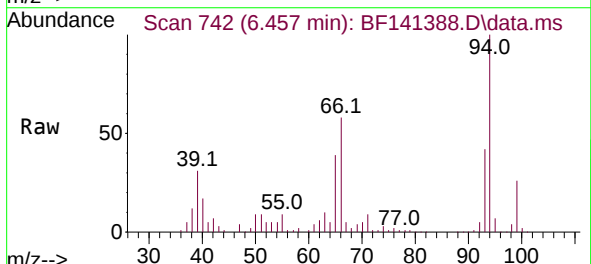
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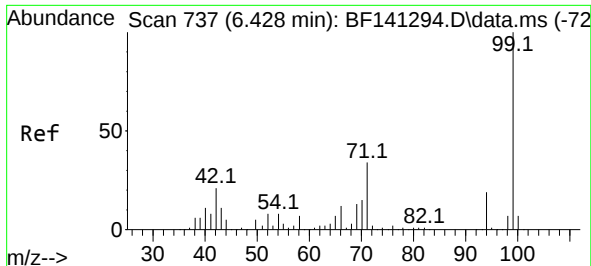
Tgt Ion:112 Resp: 620867
Ion Ratio Lower Upper
112 100
64 63.7 49.8 74.8
63 34.5 26.1 39.1



#6
Aniline
Concen: 24.419 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion: 93 Resp: 130596
Ion Ratio Lower Upper
93 100
66 136.7 32.5 48.7#
65 91.9 17.0 25.6#

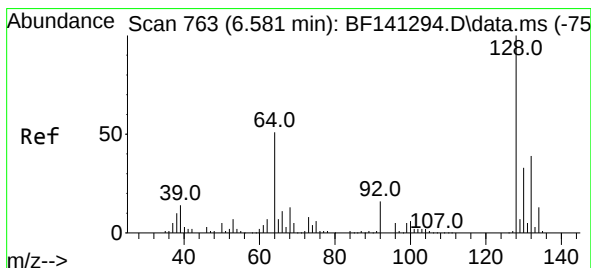
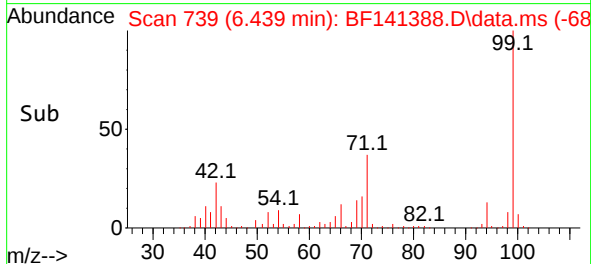
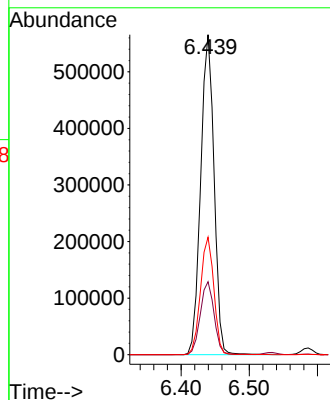
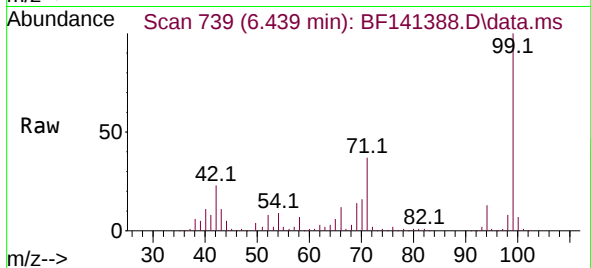




#7
Phenol-d6
Concen: 122.278 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

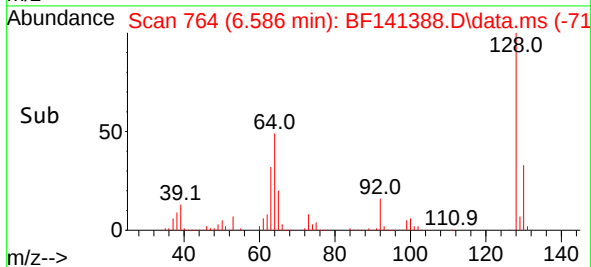
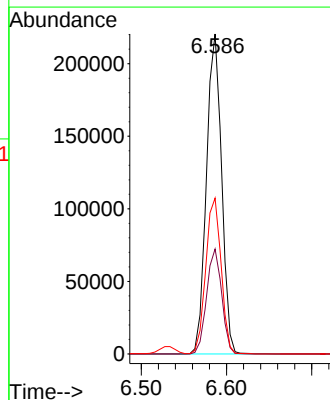
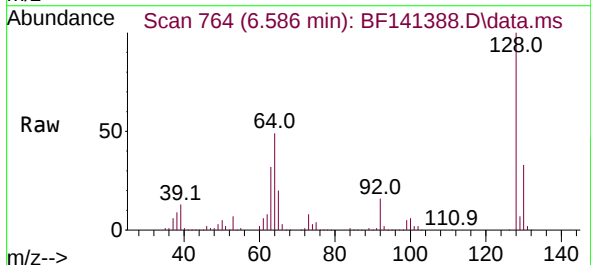
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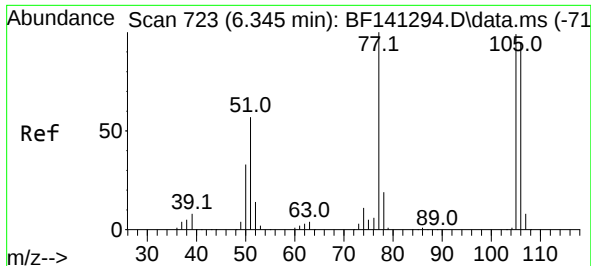
Tgt Ion: 99 Resp: 772556
Ion Ratio Lower Upper
99 100
42 22.8 17.1 25.7
71 36.7 26.9 40.3



#8
2-Chlorophenol
Concen: 51.163 ng
RT: 6.586 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF141388.D
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Tgt Ion: 128 Resp: 272354
Ion Ratio Lower Upper
128 100
130 32.8 12.5 52.5
64 48.7 32.9 72.9





#9

Benzaldehyde

Concen: 55.643 ng

RT: 6.345 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141388.D

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BNA_F

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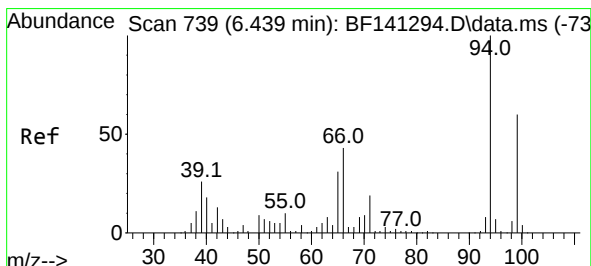
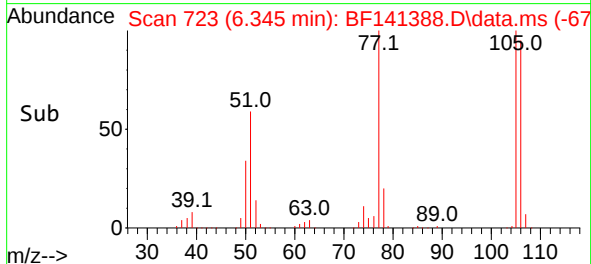
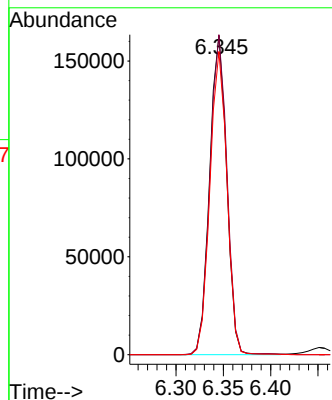
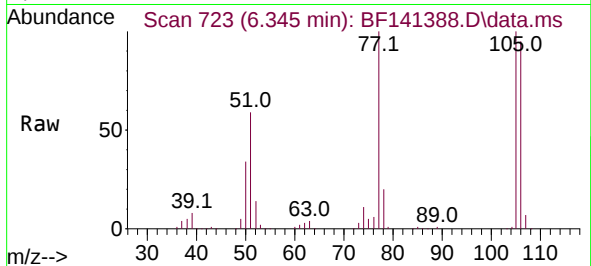
Tgt Ion: 77 Resp: 203633

Ion Ratio Lower Upper

77 100

105 100.3 79.4 119.4

106 95.0 74.6 114.6



#10

Phenol

Concen: 48.670 ng

RT: 6.451 min Scan# 741

Delta R.T. -0.000 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

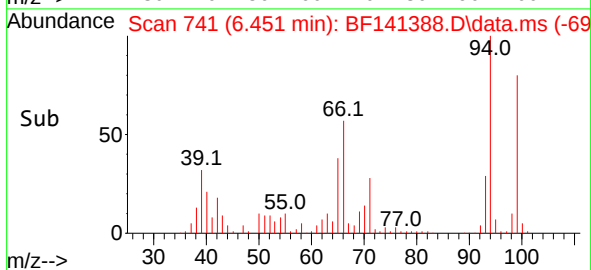
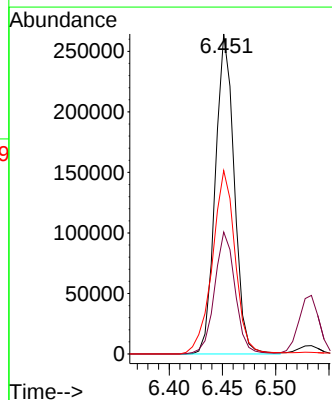
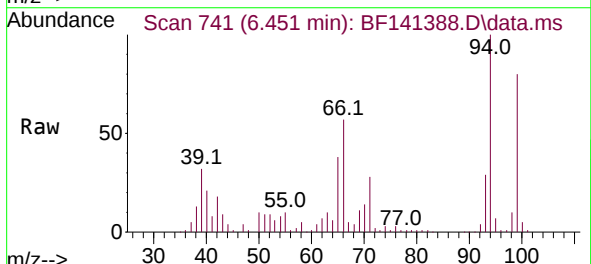
Tgt Ion: 94 Resp: 325967

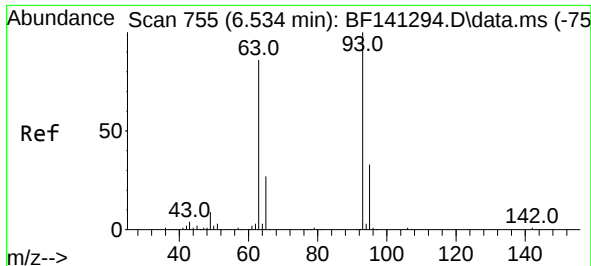
Ion Ratio Lower Upper

94 100

65 38.1 10.8 50.8

66 57.3 23.3 63.3

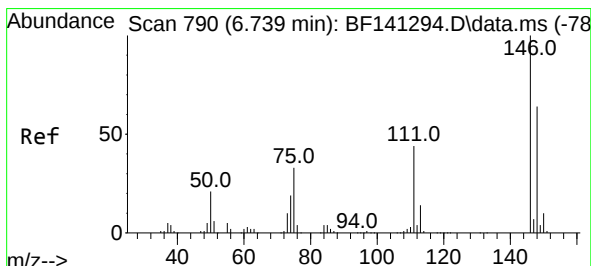
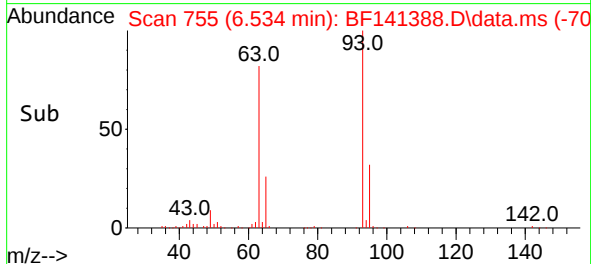
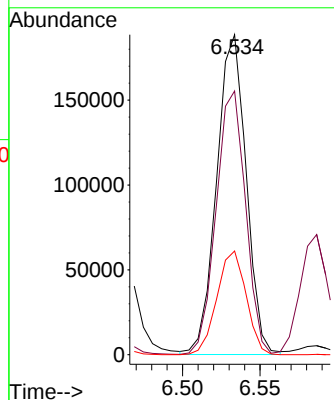
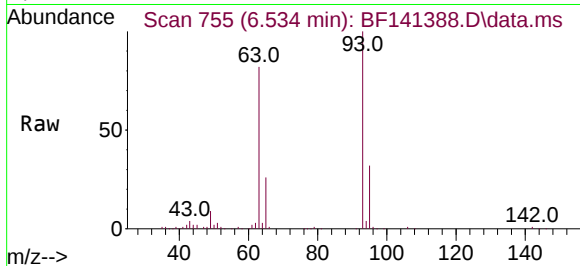




#11
bis(2-Chloroethyl)ether
Concen: 48.679 ng
RT: 6.534 min Scan# 711
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

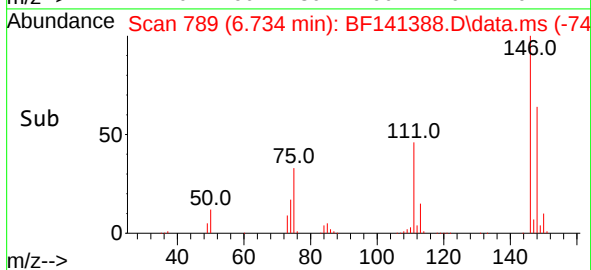
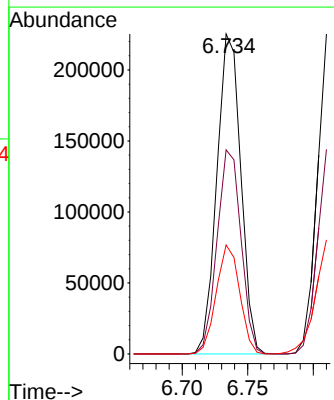
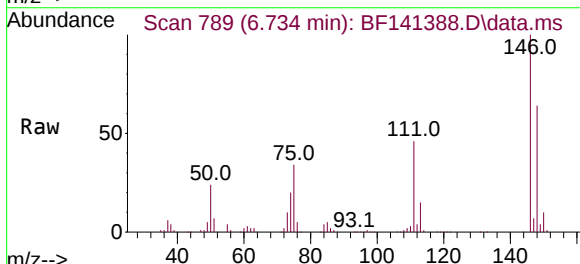
Instrument :
BNA_F
ClientSampleId :
RBR200030MSD

Tgt Ion: 93 Resp: 249978
Ion Ratio Lower Upper
93 100
63 82.4 65.0 105.0
95 32.4 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 48.708 ng
RT: 6.734 min Scan# 789
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion:146 Resp: 285887
Ion Ratio Lower Upper
146 100
148 63.8 51.2 76.8
75 34.0 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 49.072 ng

RT: 6.810 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

RBR200030MSD

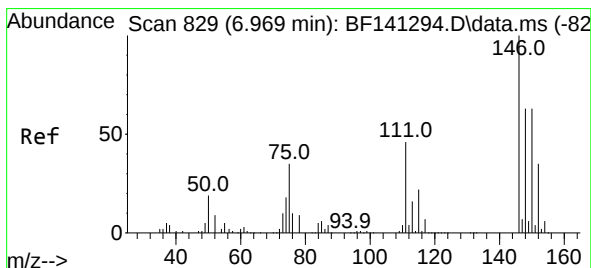
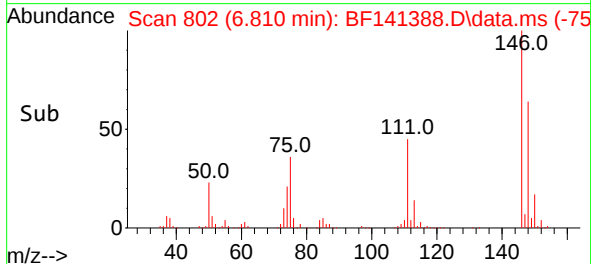
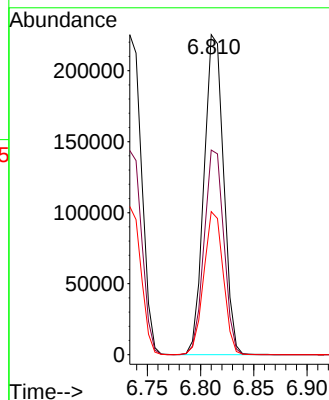
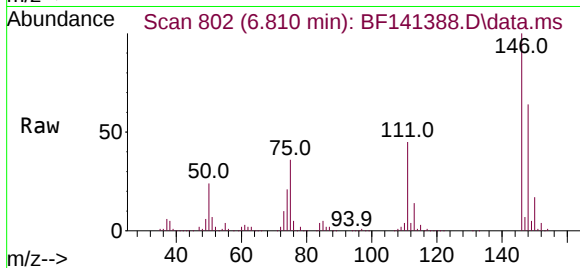
Tgt Ion:146 Resp: 289349

Ion Ratio Lower Upper

146 100

148 63.9 51.2 76.8

111 44.7 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 50.542 ng

RT: 6.963 min Scan# 828

Delta R.T. -0.012 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

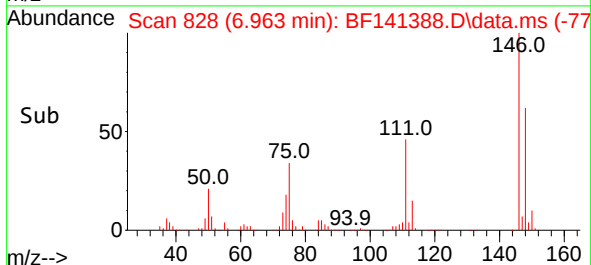
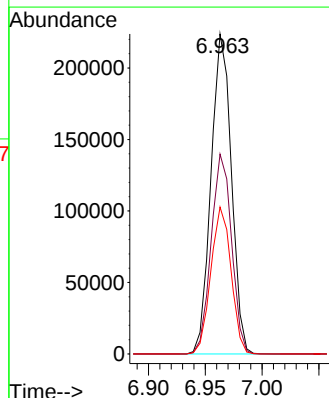
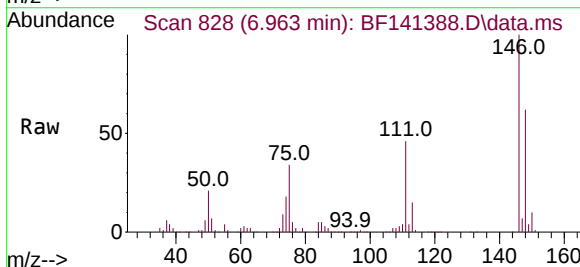
Tgt Ion:146 Resp: 279057

Ion Ratio Lower Upper

146 100

148 62.5 50.5 75.7

111 45.9 36.6 55.0

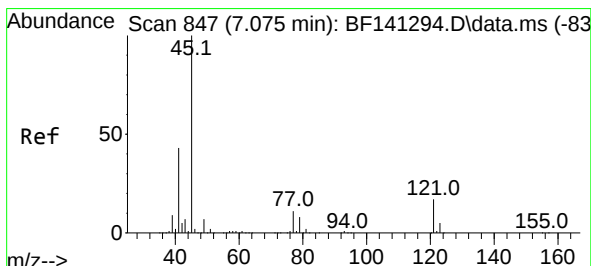
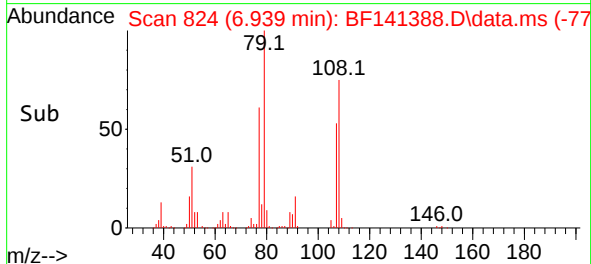
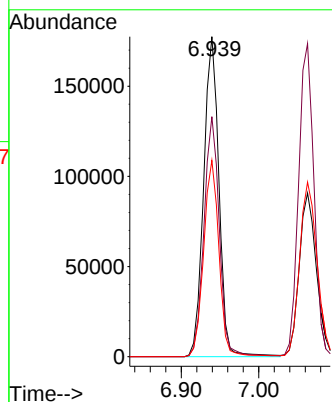
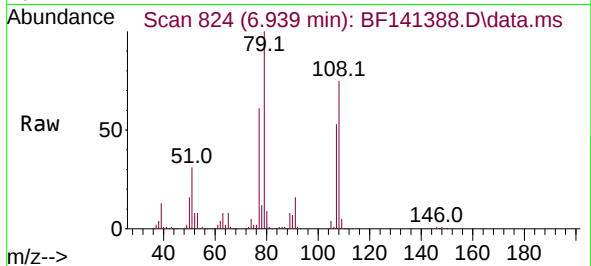




#15
Benzyl Alcohol
Concen: 56.291 ng
RT: 6.939 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

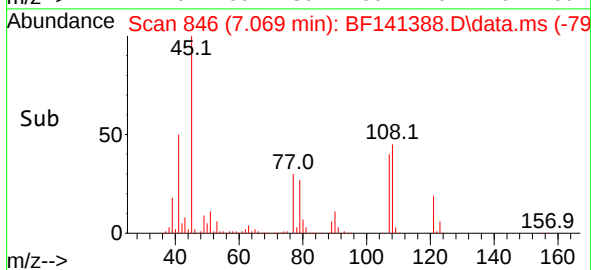
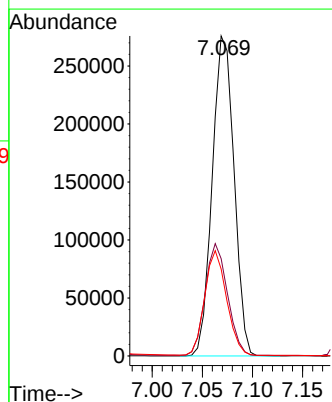
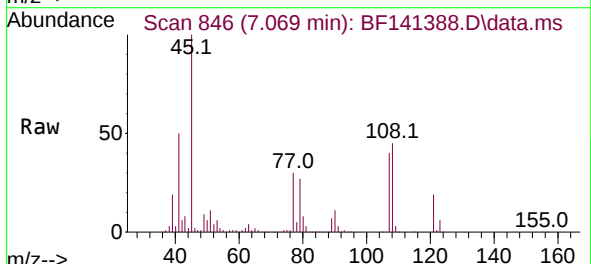
Instrument :
BNA_F
ClientSampleId :
RBR200030MSD

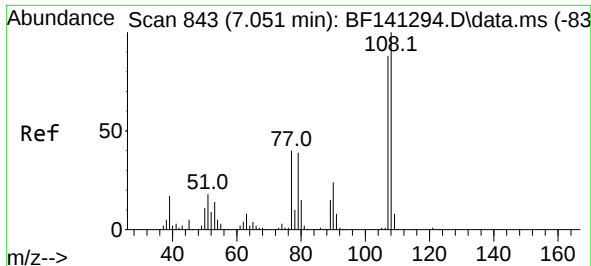
Tgt Ion: 79 Resp: 243046
Ion Ratio Lower Upper
79 100
108 75.0 61.4 92.0
77 61.3 49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.717 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion: 45 Resp: 417173
Ion Ratio Lower Upper
45 100
77 30.4 0.0 31.8
79 27.1 0.0 29.1

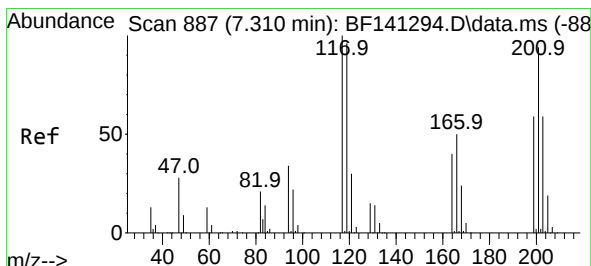
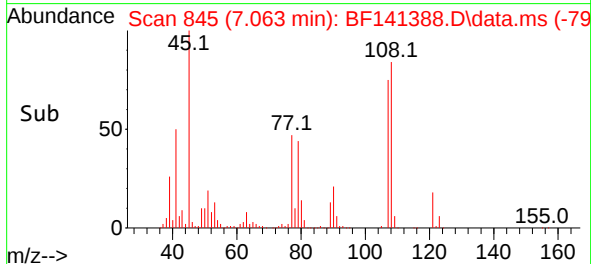
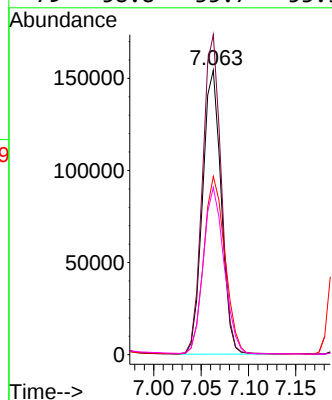
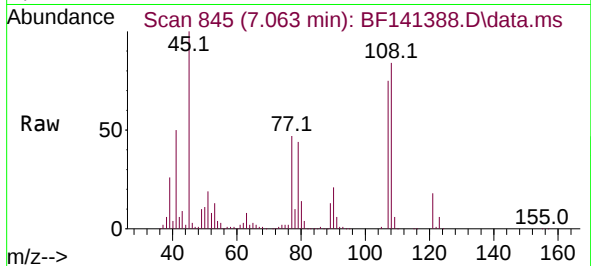




#17
2-Methylphenol
Concen: 48.758 ng
RT: 7.063 min Scan# 843
Delta R.T. 0.006 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

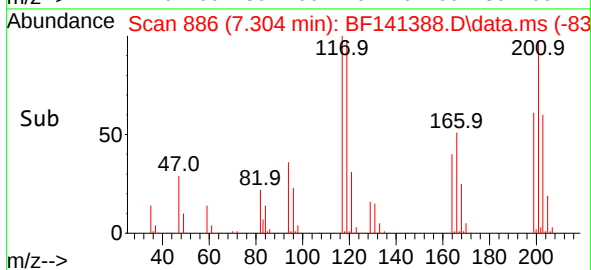
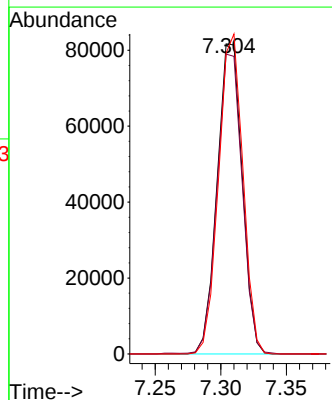
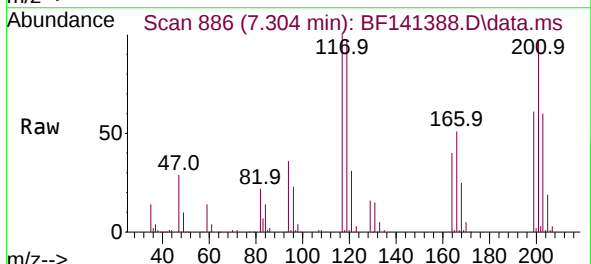
Instrument :
BNA_F
ClientSampleId :
RBR200030MSD

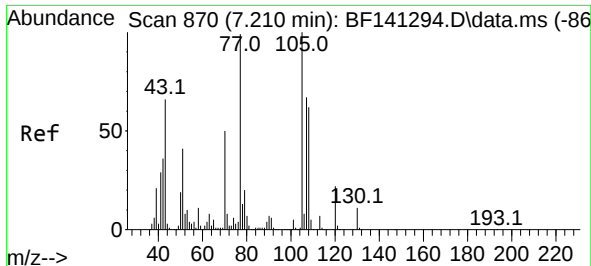
Tgt Ion:107 Resp: 210945
Ion Ratio Lower Upper
107 100
108 112.5 90.8 136.2
77 62.7 36.2 54.4#
79 58.8 35.7 53.5#



#18
Hexachloroethane
Concen: 50.001 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion:117 Resp: 108763
Ion Ratio Lower Upper
117 100
119 96.7 76.6 114.8
201 97.0 74.8 112.2

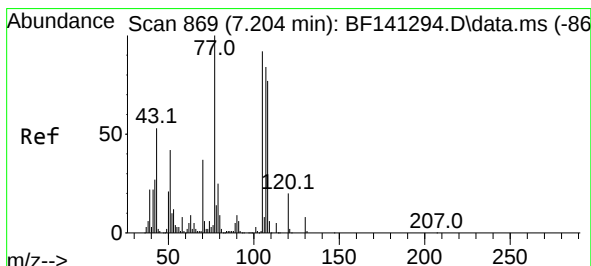
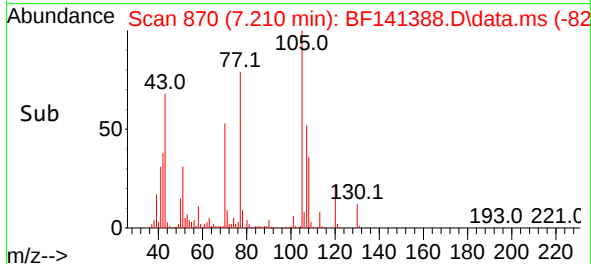
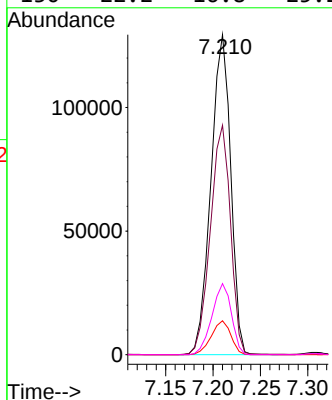
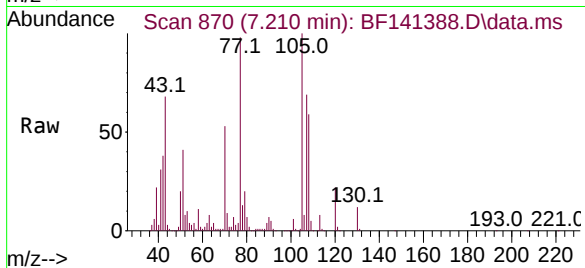




#19
n-Nitroso-di-n-propylamine
Concen: 50.021 ng
RT: 7.210 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

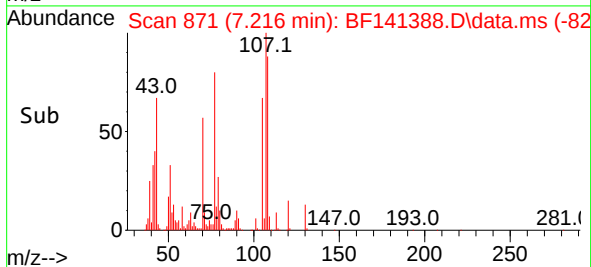
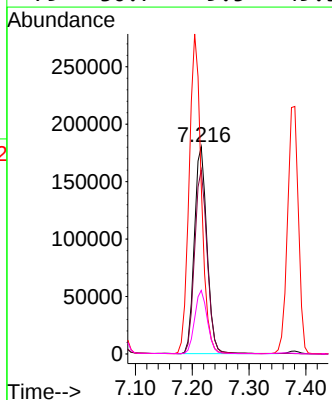
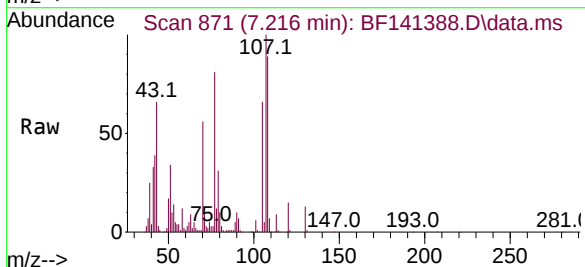
Instrument :
BNA_F
ClientSampleId :
RBR200030MSD

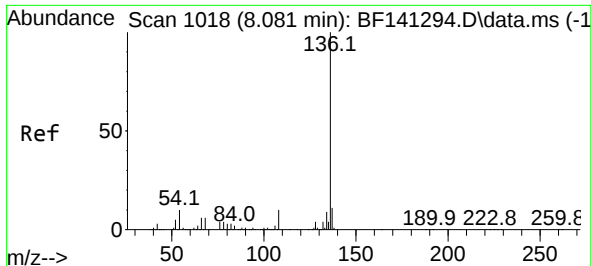
Tgt Ion: 70 Resp: 187790
Ion Ratio Lower Upper
70 100
42 71.7 56.8 85.2
101 10.6 7.7 11.5
130 22.2 16.8 25.2



#20
3+4-Methylphenols
Concen: 52.277 ng
RT: 7.216 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion: 107 Resp: 277698
Ion Ratio Lower Upper
107 100
108 88.8 70.9 110.9
77 81.4 98.5 138.5#
79 30.7 9.5 49.5



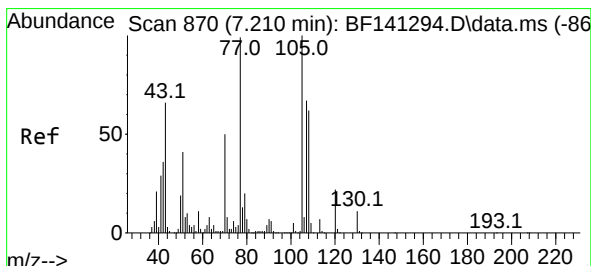
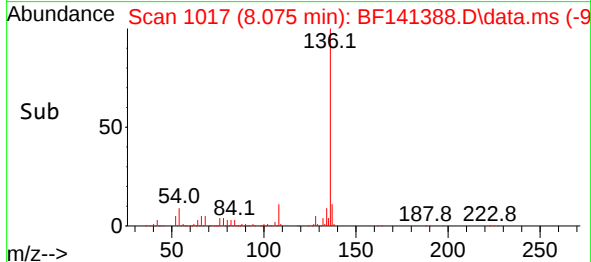
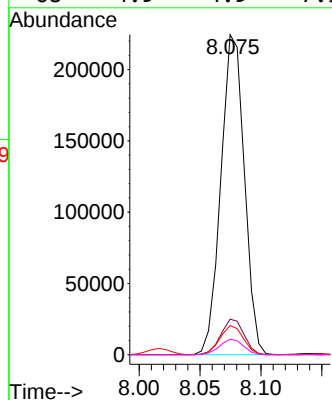
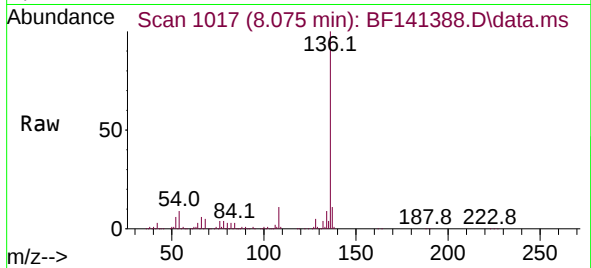


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Instrument :
BNA_F
ClientSampleId :
RBR200030MSD

Tgt Ion:136 Resp: 301527

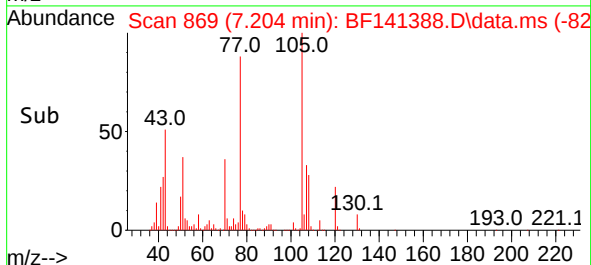
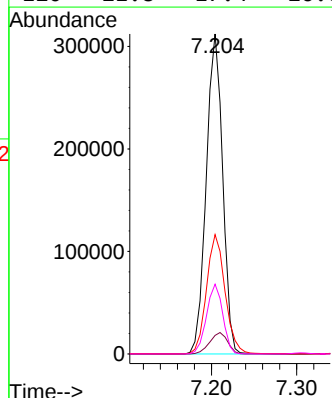
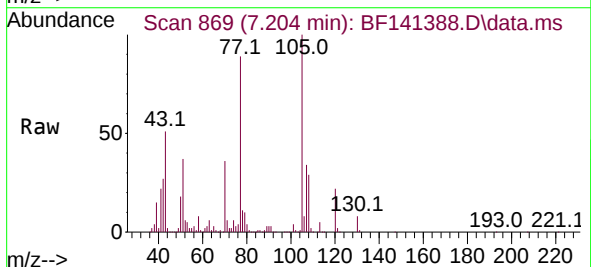
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.1	7.8	11.8
68	4.9	4.9	7.3



#22
Acetophenone
Concen: 58.231 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion:105 Resp: 417357

Ion	Ratio	Lower	Upper
105	100		
71	5.8	6.8	10.2
51	37.3	32.6	49.0
120	21.8	17.4	26.0

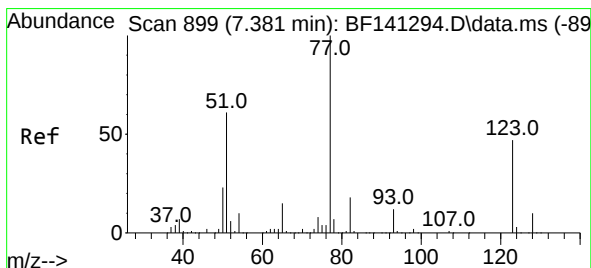
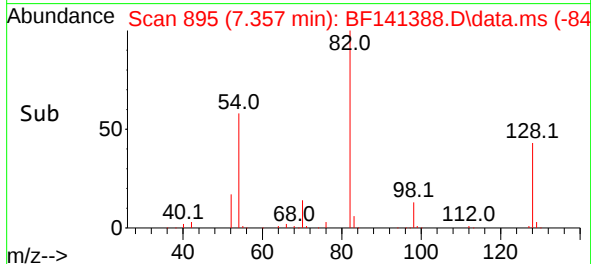
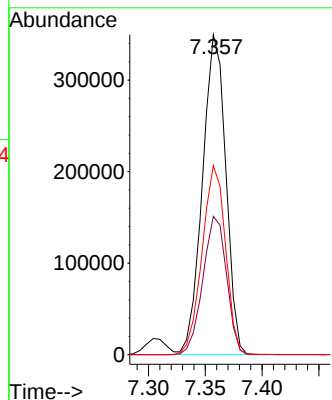
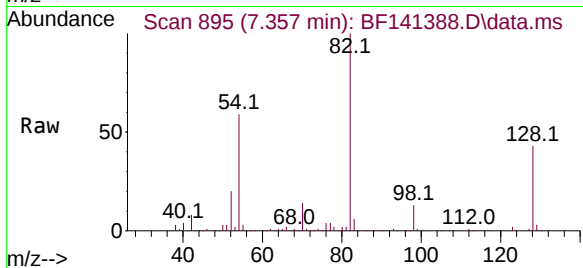




#23
Nitrobenzene-d5
Concen: 87.187 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

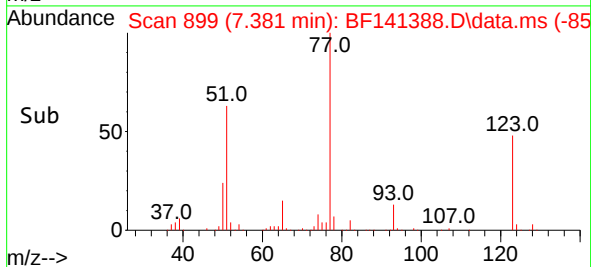
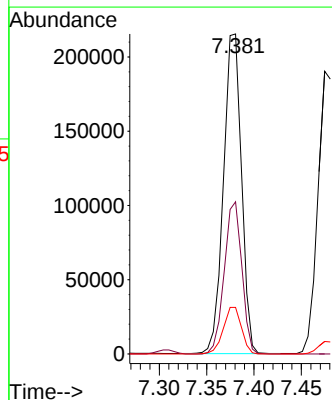
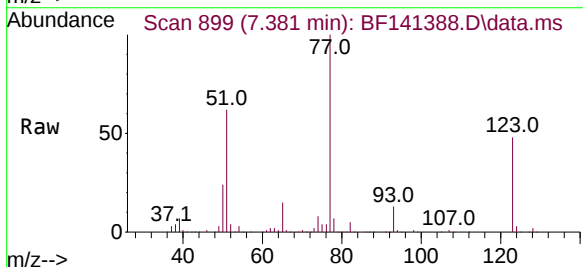
Instrument :
BNA_F
ClientSampleId :
RBR200030MSD

Tgt Ion: 82 Resp: 498690
Ion Ratio Lower Upper
82 100
128 43.3 35.7 53.5
54 59.1 47.1 70.7



#24
Nitrobenzene
Concen: 48.196 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion: 77 Resp: 285677
Ion Ratio Lower Upper
77 100
123 47.5 37.3 55.9
65 14.5 11.8 17.6

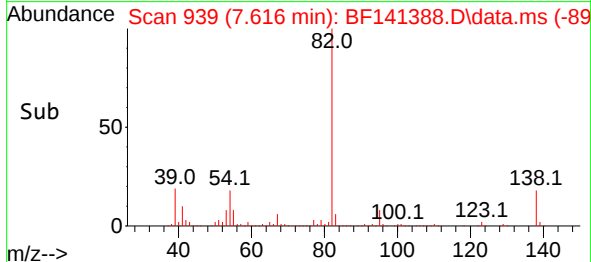
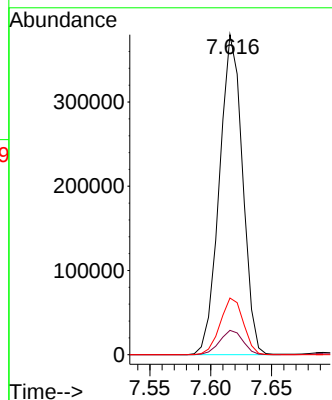
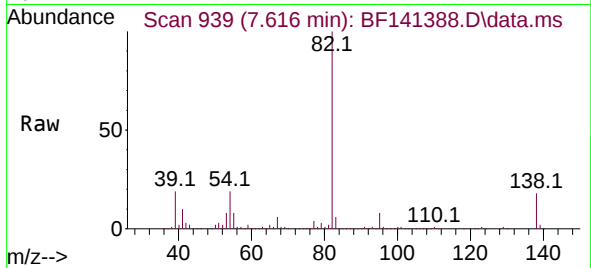




#25
Isophorone
Concen: 50.917 ng
RT: 7.616 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

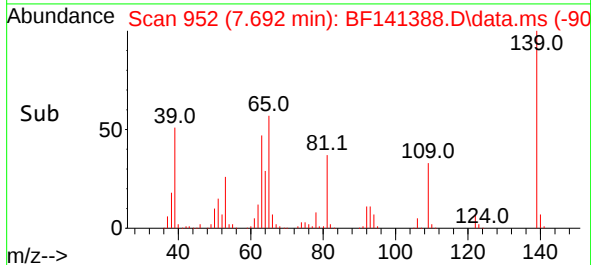
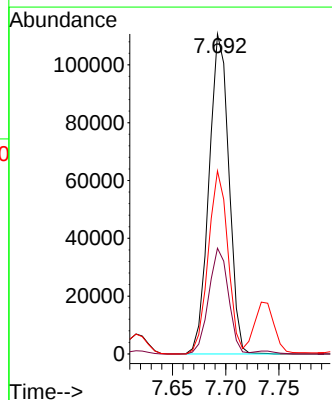
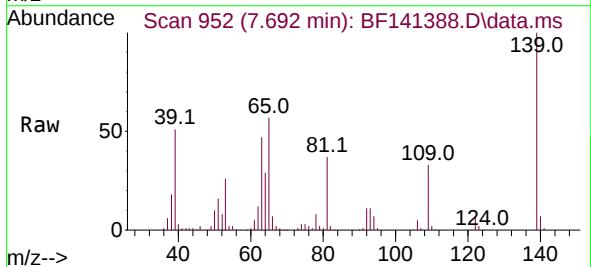
Instrument :
BNA_F
ClientSampleId :
RBR200030MSD

Tgt Ion: 82 Resp: 503423
Ion Ratio Lower Upper
82 100
95 7.6 5.8 8.6
138 17.7 14.7 22.1



#26
2-Nitrophenol
Concen: 51.371 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion:139 Resp: 143607
Ion Ratio Lower Upper
139 100
109 33.1 23.8 35.6
65 57.2 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 60.252 ng

RT: 7.739 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

RBR200030MSD

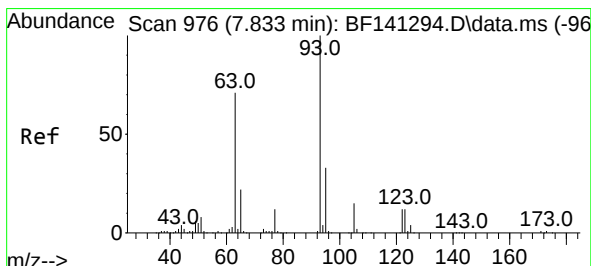
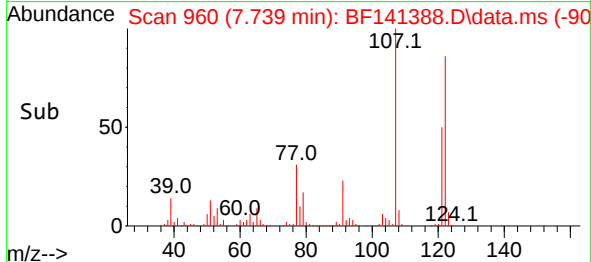
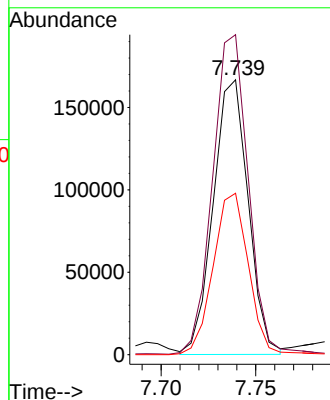
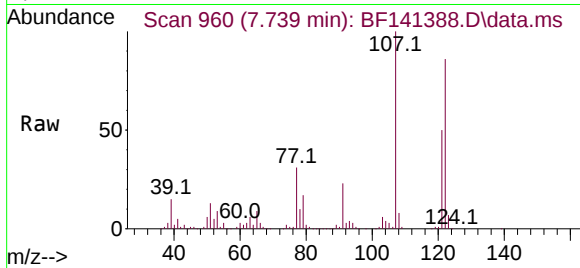
Tgt Ion:122 Resp: 214387

Ion Ratio Lower Upper

122 100

107 116.4 89.9 134.9

121 58.7 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 48.662 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.012 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

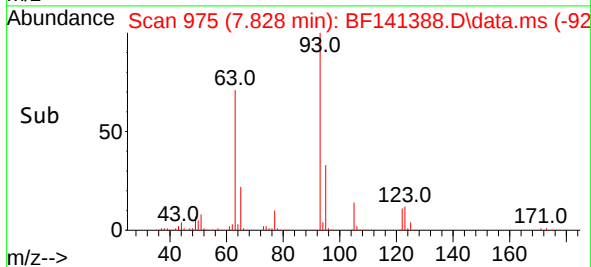
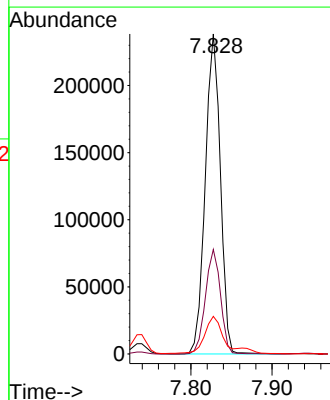
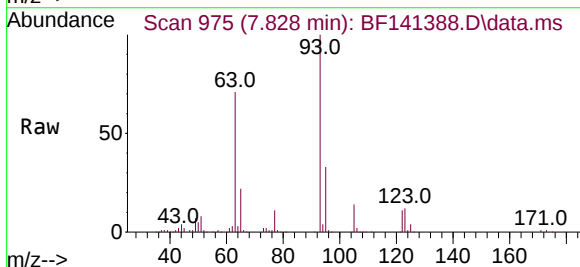
Tgt Ion: 93 Resp: 306900

Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.2

123 11.7 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 50.664 ng

RT: 7.945 min Scan# 994

Delta R.T. -0.000 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

RBR200030MSD

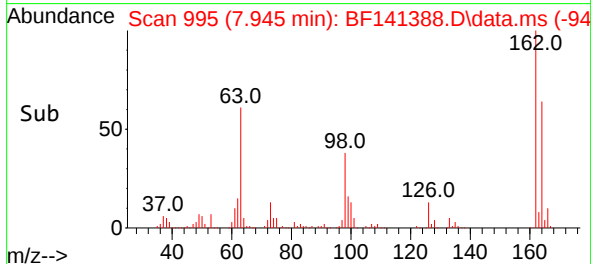
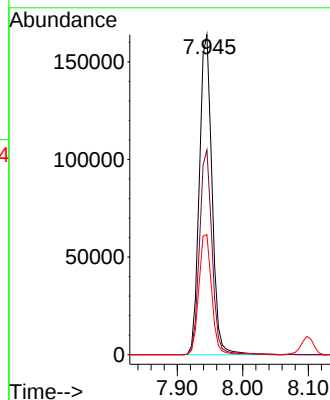
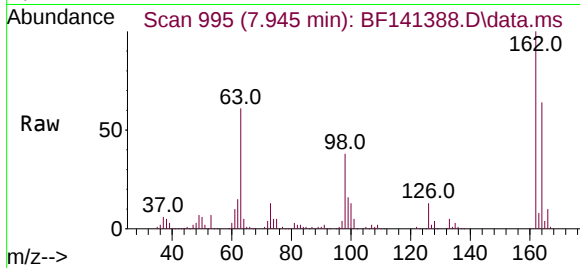
Tgt Ion:162 Resp: 220692

Ion Ratio Lower Upper

162 100

164 64.0 44.2 84.2

98 37.5 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 48.420 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.012 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

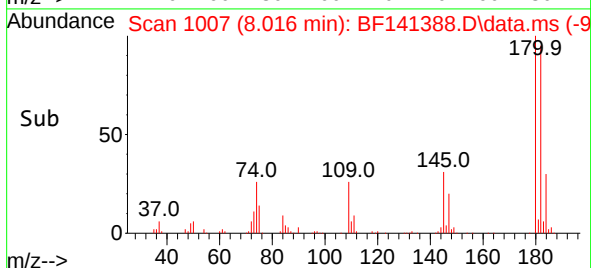
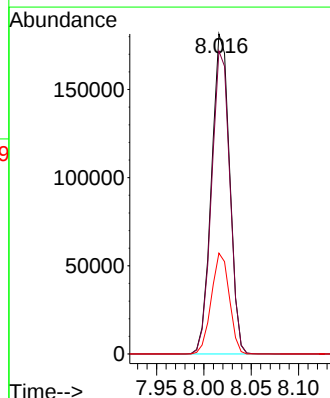
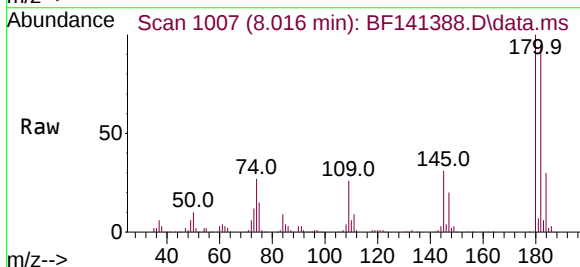
Tgt Ion:180 Resp: 240871

Ion Ratio Lower Upper

180 100

182 94.7 76.4 114.6

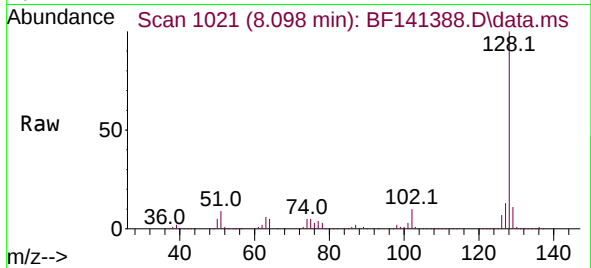
145 31.5 24.9 37.3



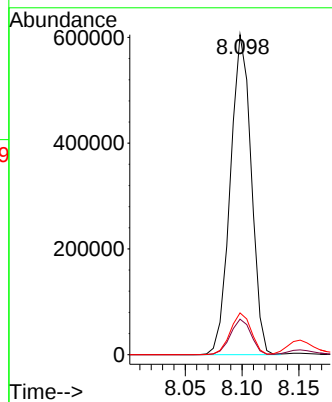
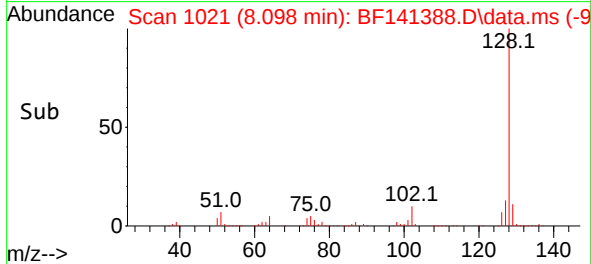


#31
Naphthalene
Concen: 48.576 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Instrument :
BNA_F
ClientSampleId :
RBR200030MSD

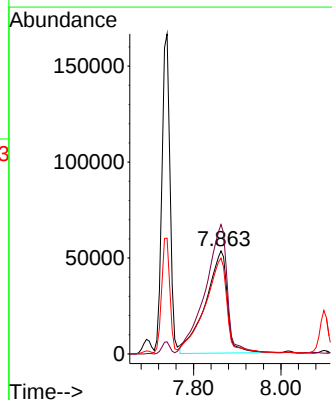
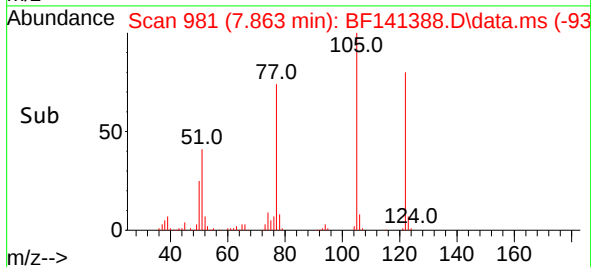
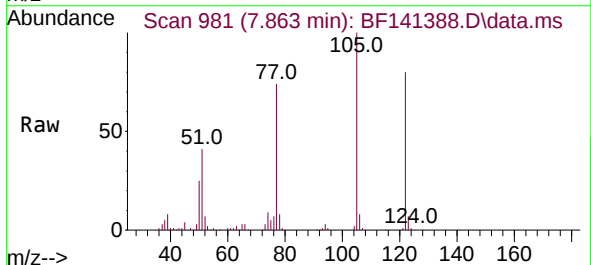


Tgt Ion:128 Resp: 773759
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.1 10.6 15.8



#32
Benzoic acid
Concen: 56.903 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.018 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion:122 Resp: 186127
Ion Ratio Lower Upper
122 100
105 125.6 103.4 143.4
77 93.1 70.9 110.9

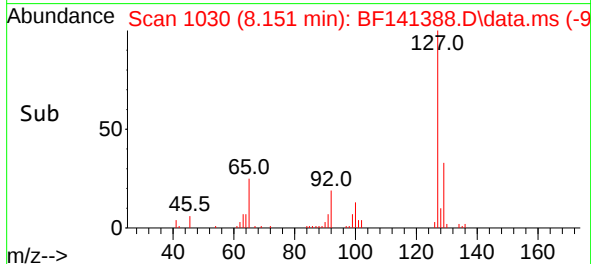
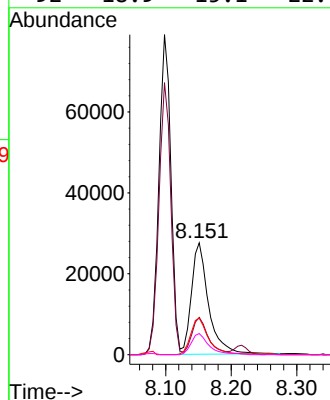
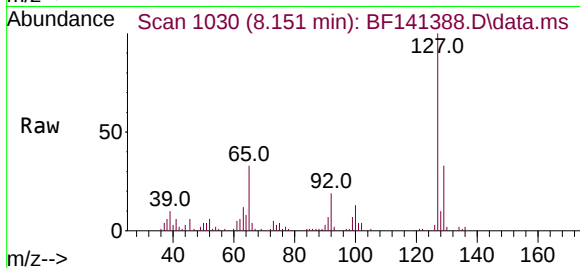




#33
4-Chloroaniline
Concen: 9.263 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

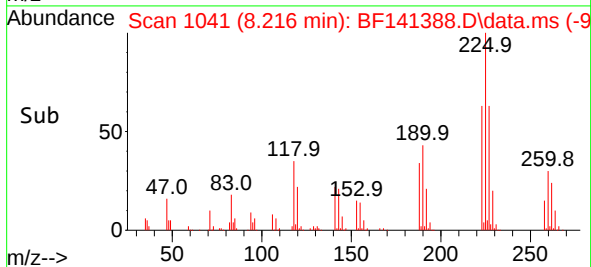
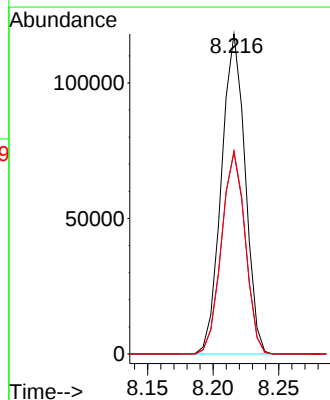
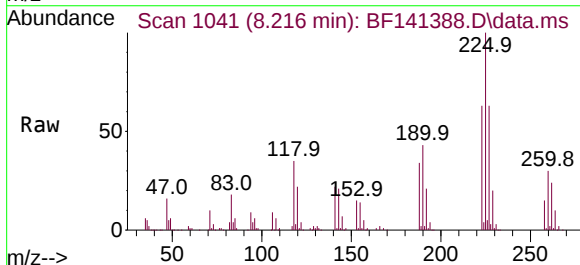
Instrument :
BNA_F
ClientSampleId :
RBR200030MSD

Tgt Ion:	127	Resp:	50035
Ion	Ratio	Lower	Upper
127	100		
129	33.3	25.7	38.5
65	32.6	26.4	39.6
92	18.9	15.1	22.7



#34
Hexachlorobutadiene
Concen: 50.841 ng
RT: 8.216 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion:	225	Resp:	148319
Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.4	75.6
227	63.5	51.3	76.9

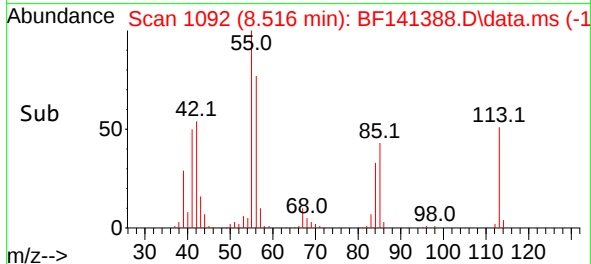
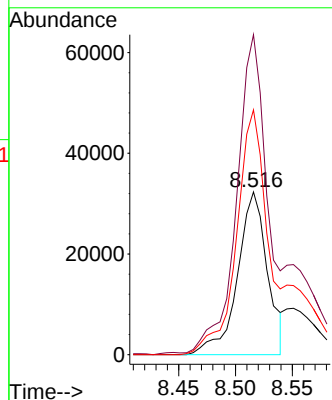
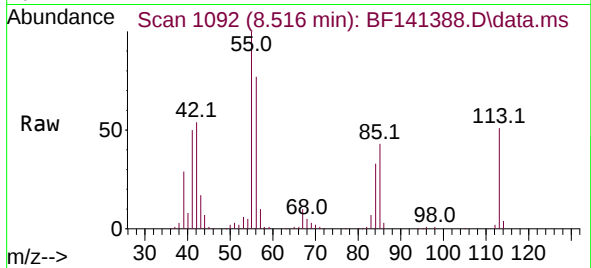




#35
 Caprolactam
 Concen: 41.609 ng
 RT: 8.516 min Scan# 1114
 Delta R.T. -0.030 min
 Lab File: BF141388.D
 Acq: 03 Feb 2025 23:56

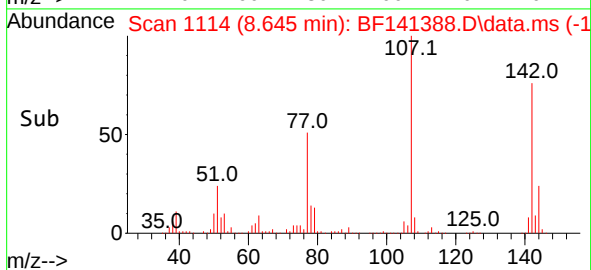
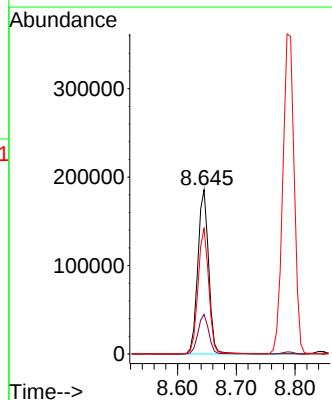
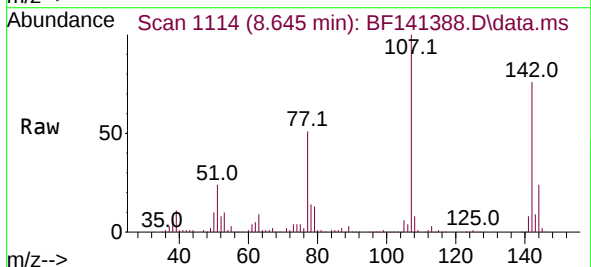
Instrument :
 BNA_F
 ClientSampleId :
 RBR200030MSD

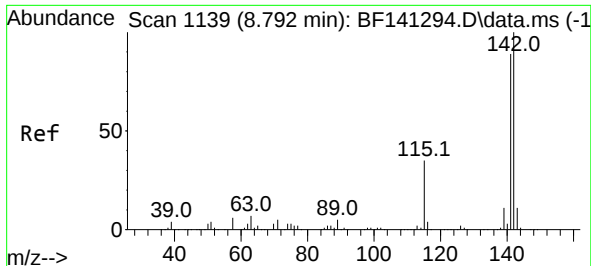
Tgt Ion:113 Resp: 59194
 Ion Ratio Lower Upper
 113 100
 55 196.6 182.9 222.9
 56 150.4 127.9 167.9



#36
 4-Chloro-3-methylphenol
 Concen: 50.911 ng
 RT: 8.645 min Scan# 1114
 Delta R.T. 0.006 min
 Lab File: BF141388.D
 Acq: 03 Feb 2025 23:56

Tgt Ion:107 Resp: 237879
 Ion Ratio Lower Upper
 107 100
 144 24.1 20.7 31.1
 142 76.4 63.8 95.8





#37

2-Methylnaphthalene

Concen: 47.964 ng

RT: 8.786 min Scan# 1138

Delta R.T. -0.012 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

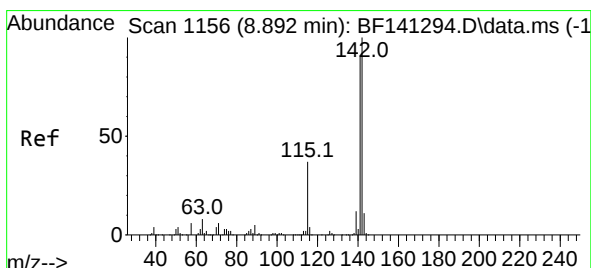
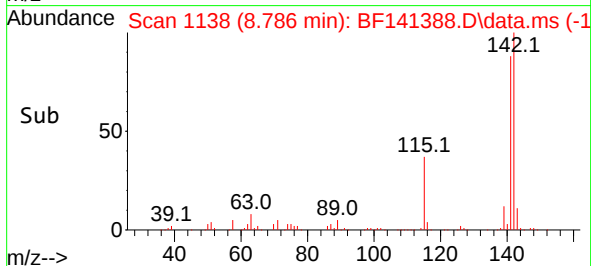
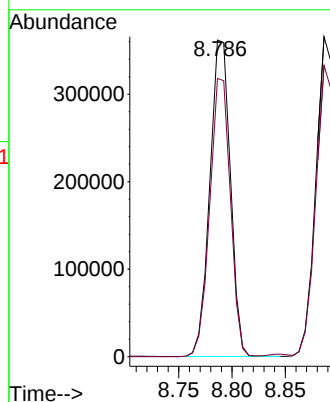
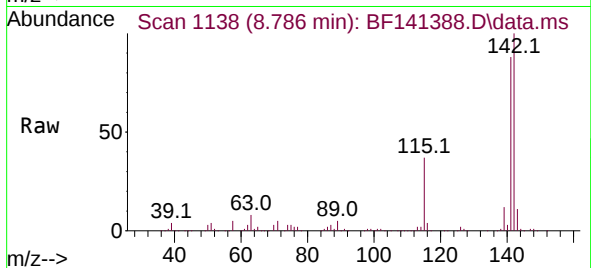
RBR200030MSD

Tgt Ion:142 Resp: 485590

Ion Ratio Lower Upper

142 100

141 87.9 71.3 106.9



#38

1-Methylnaphthalene

Concen: 47.699 ng

RT: 8.886 min Scan# 1155

Delta R.T. -0.012 min

Lab File: BF141388.D

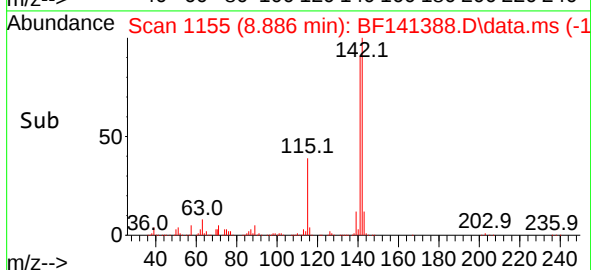
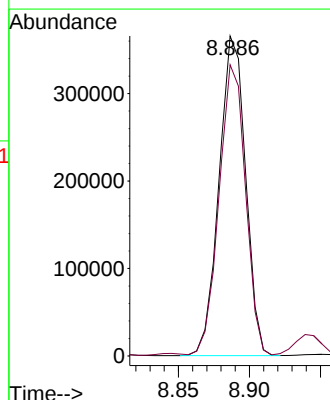
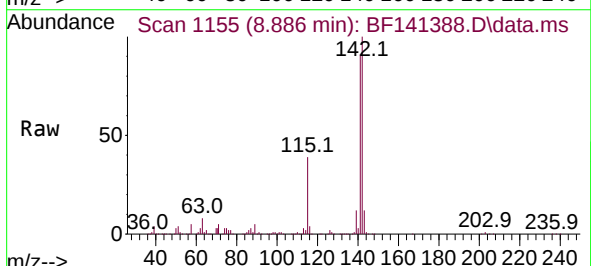
Acq: 03 Feb 2025 23:56

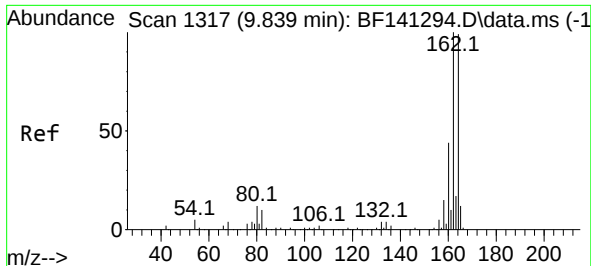
Tgt Ion:142 Resp: 474367

Ion Ratio Lower Upper

142 100

141 91.0 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1116

Delta R.T. -0.006 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

RBR200030MSD

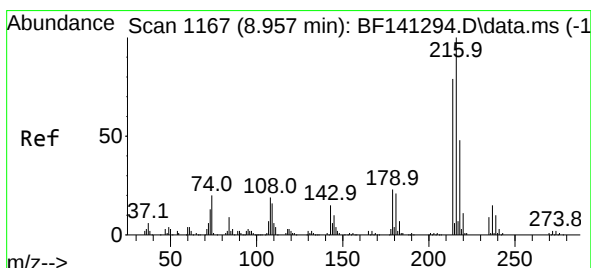
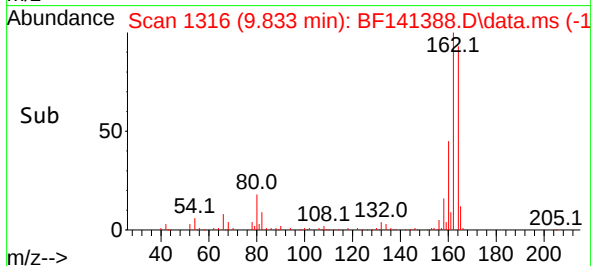
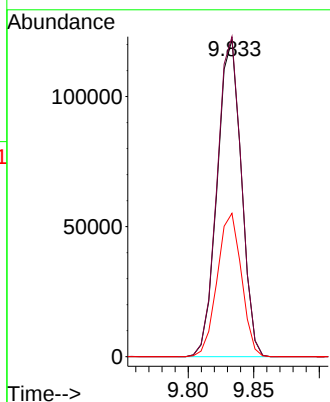
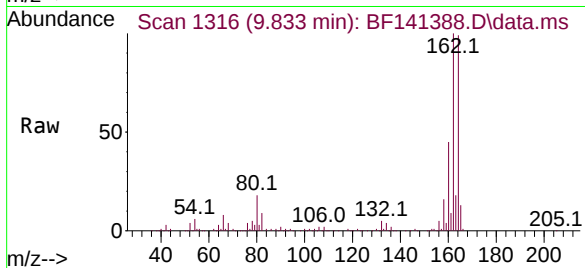
Tgt Ion:164 Resp: 155603

Ion Ratio Lower Upper

164 100

162 100.9 80.6 121.0

160 45.2 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 58.152 ng

RT: 8.957 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

Tgt Ion:216 Resp: 257424

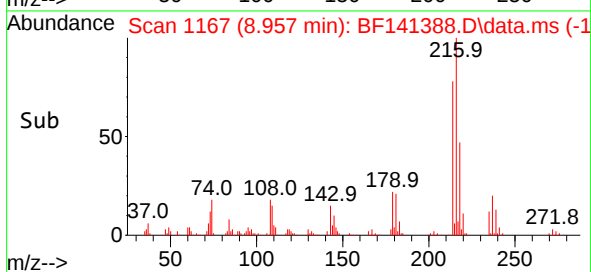
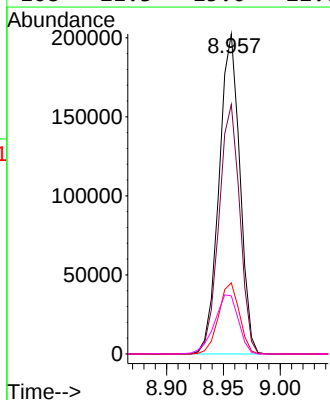
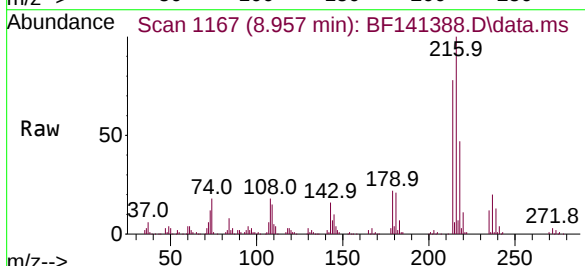
Ion Ratio Lower Upper

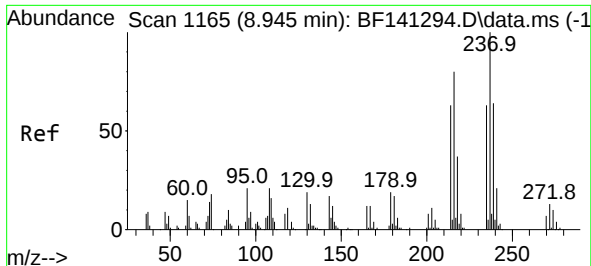
216 100

214 78.2 63.2 94.8

179 22.2 17.8 26.8

108 21.3 15.0 22.6

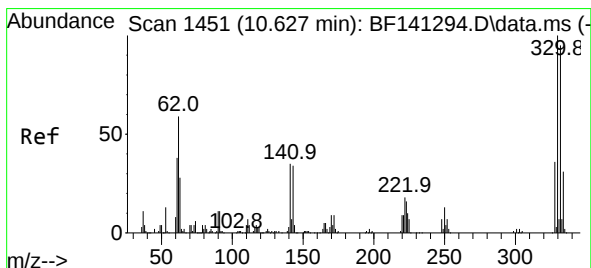
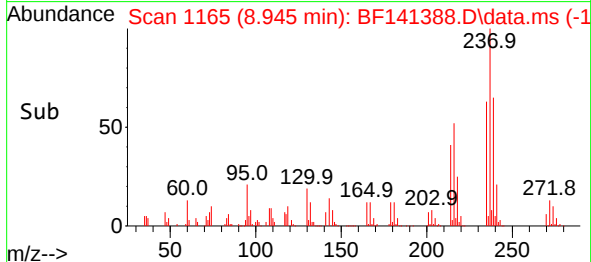
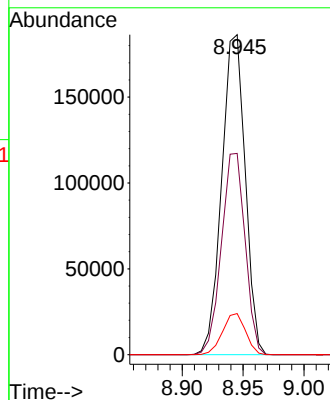
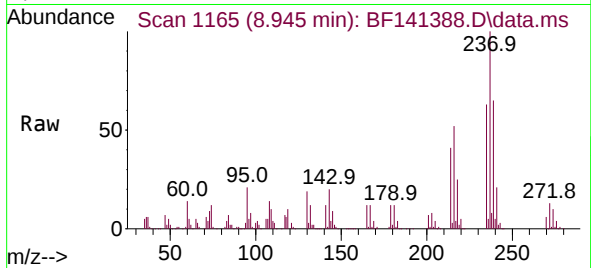




#41
Hexachlorocyclopentadiene
Concen: 191.549 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

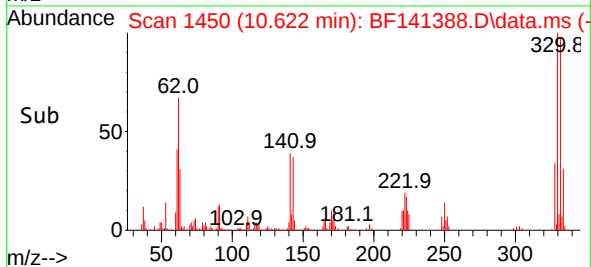
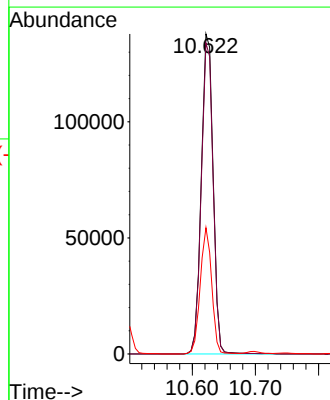
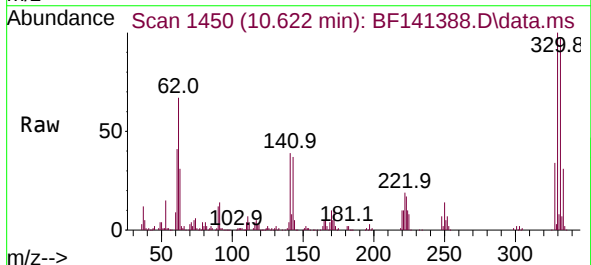
Instrument :
BNA_F
ClientSampleId :
RBR200030MSD

Tgt Ion:237 Resp: 250420
Ion Ratio Lower Upper
237 100
235 62.9 42.9 82.9
272 12.9 0.0 32.8



#42
2,4,6-Tribromophenol
Concen: 125.670 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion:330 Resp: 179271
Ion Ratio Lower Upper
330 100
332 96.8 76.1 114.1
141 38.3 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 53.093 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141388.D

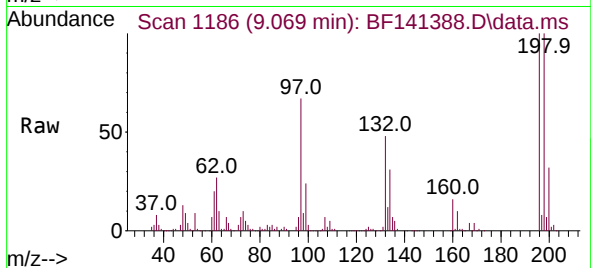
Acq: 03 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

RBR200030MSD



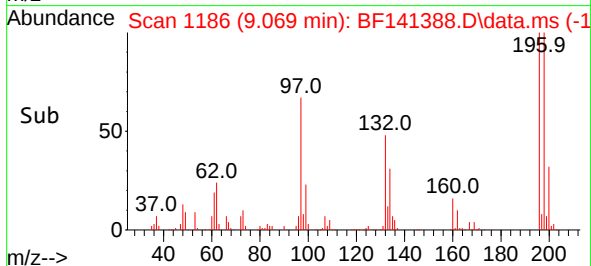
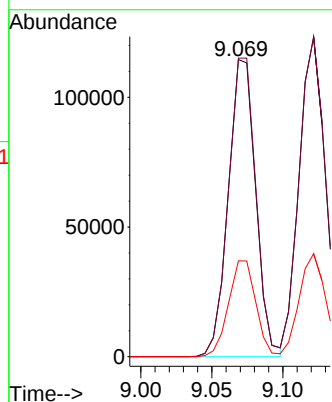
Tgt Ion:196 Resp: 153834

Ion Ratio Lower Upper

196 100

198 100.5 81.8 122.6

200 32.3 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 50.935 ng

RT: 9.122 min Scan# 1195

Delta R.T. 0.006 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

Tgt Ion:196 Resp: 160626

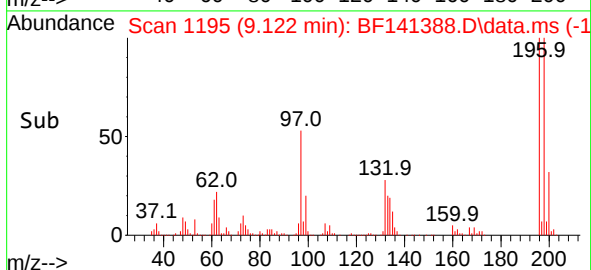
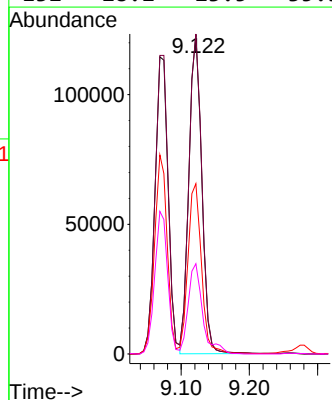
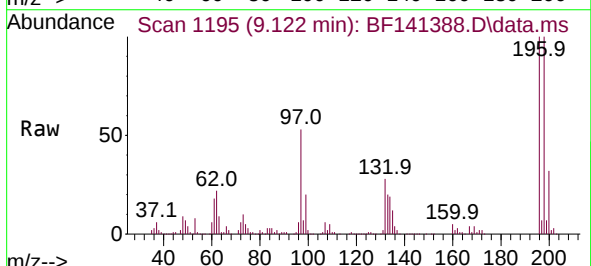
Ion Ratio Lower Upper

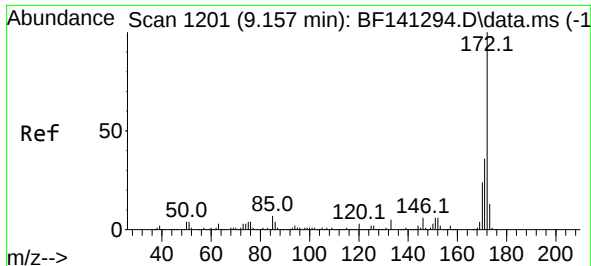
196 100

198 100.1 80.5 120.7

97 53.3 42.8 64.2

132 28.2 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 84.830 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

RBR200030MSD

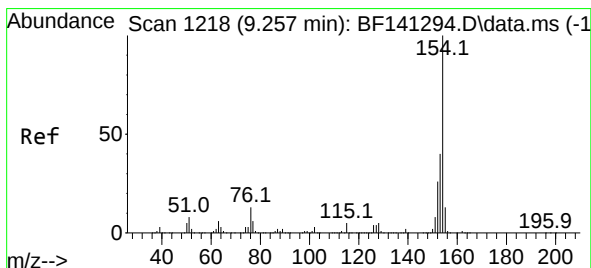
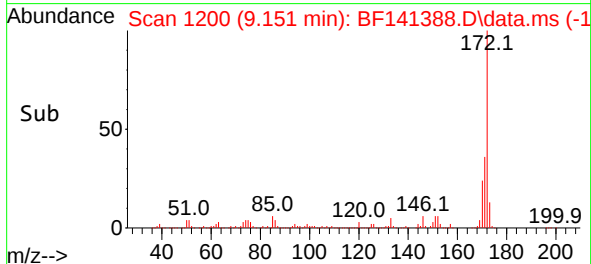
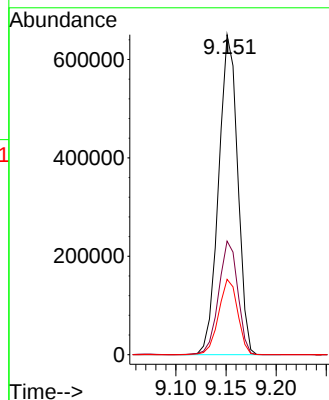
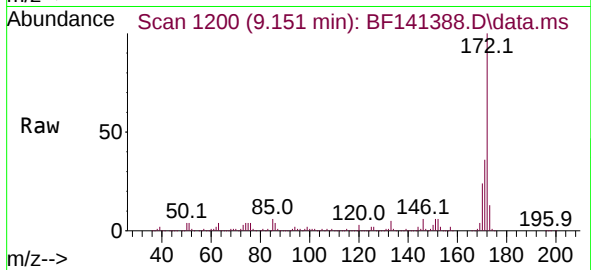
Tgt Ion:172 Resp: 857576

Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.6 19.0 28.6



#46

1,1'-Biphenyl

Concen: 57.282 ng

RT: 9.257 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

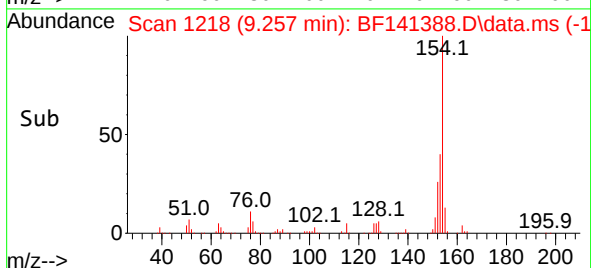
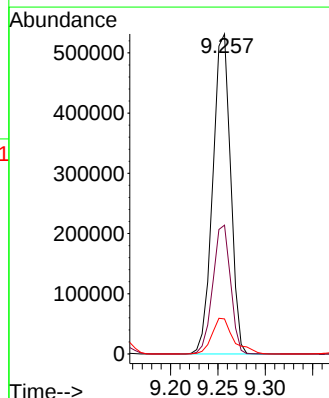
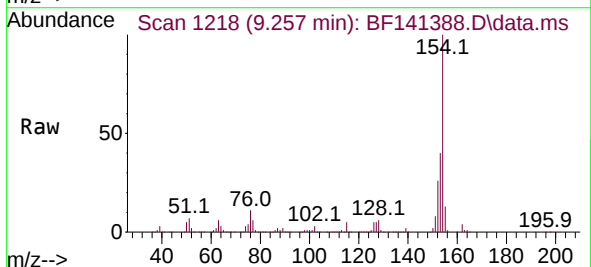
Tgt Ion:154 Resp: 695127

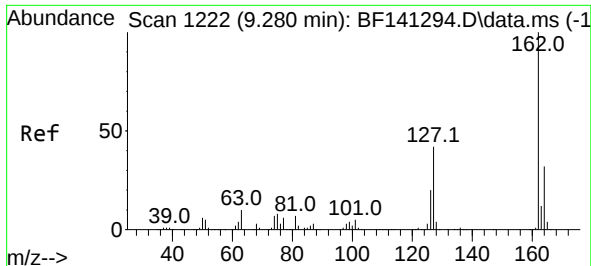
Ion Ratio Lower Upper

154 100

153 40.2 20.0 60.0

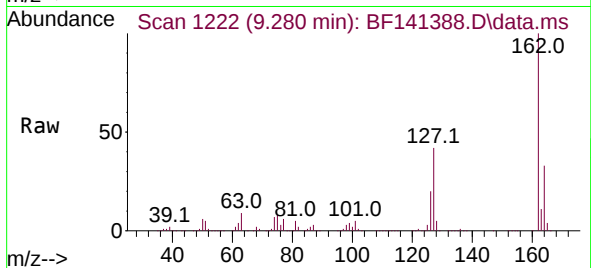
76 11.0 0.0 32.8



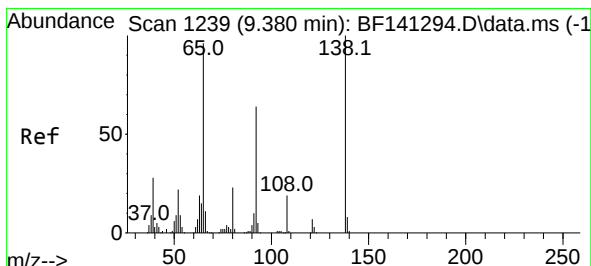
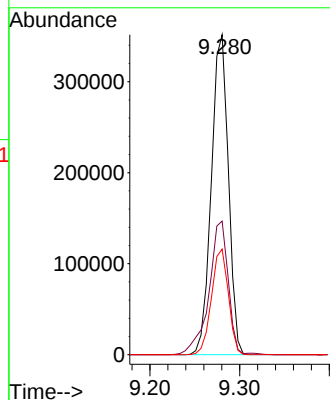
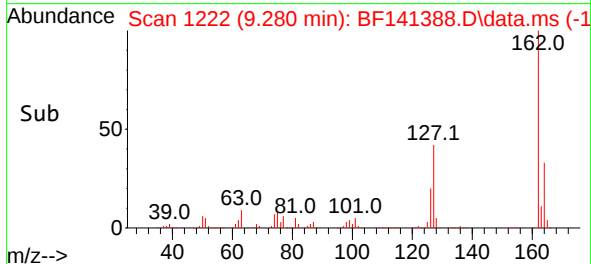


#47
2-Chloronaphthalene
Concen: 48.973 ng
RT: 9.280 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Instrument :
BNA_F
ClientSampleId :
RBR200030MSD

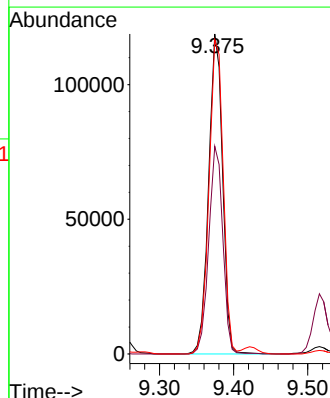
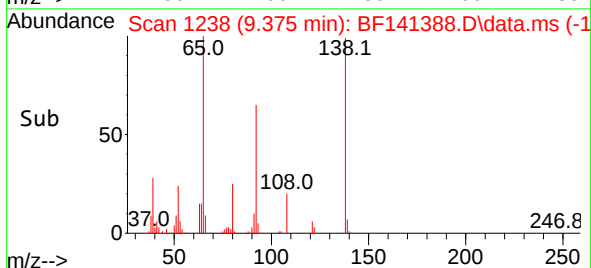
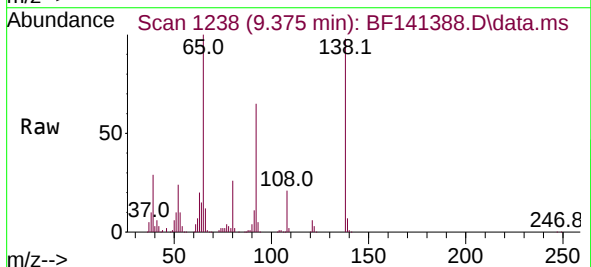


Tgt Ion:162 Resp: 463216
Ion Ratio Lower Upper
162 100
127 41.7 33.7 50.5
164 33.0 25.9 38.9



#48
2-Nitroaniline
Concen: 52.311 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion: 65 Resp: 155632
Ion Ratio Lower Upper
65 100
92 64.9 53.3 79.9
138 98.2 83.6 125.4

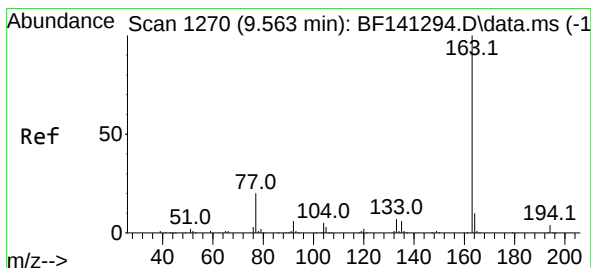
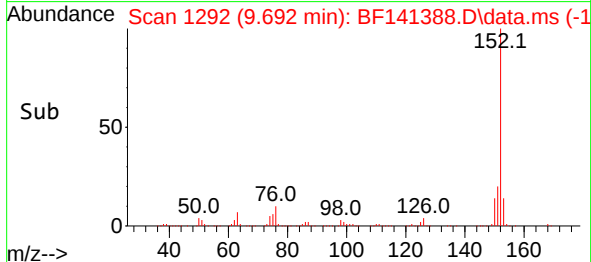
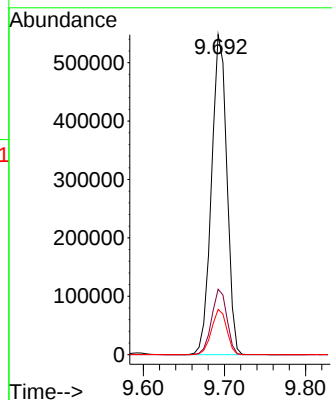
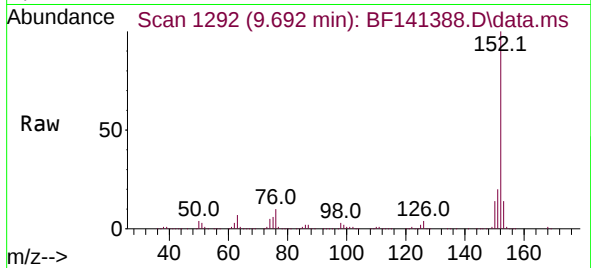




#49
Acenaphthylene
Concen: 54.290 ng
RT: 9.692 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

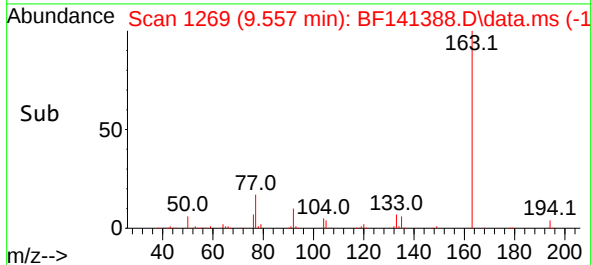
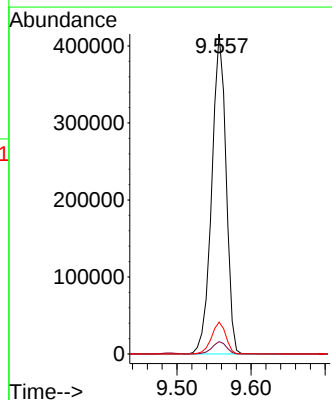
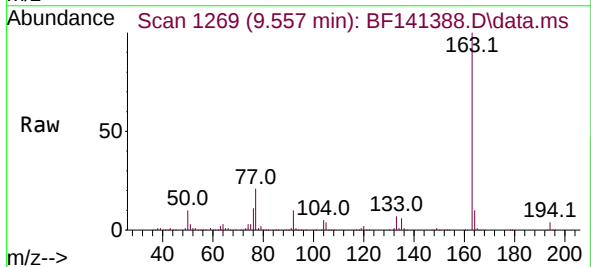
Instrument :
BNA_F
ClientSampleId :
RBR200030MSD

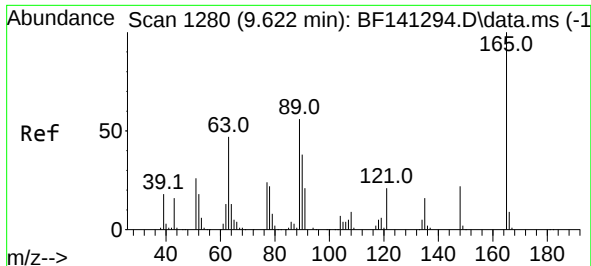
Tgt Ion:152 Resp: 718827
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.2
153 14.1 11.0 16.6



#50
Dimethylphthalate
Concen: 52.928 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion:163 Resp: 556241
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 9.9 8.0 12.0

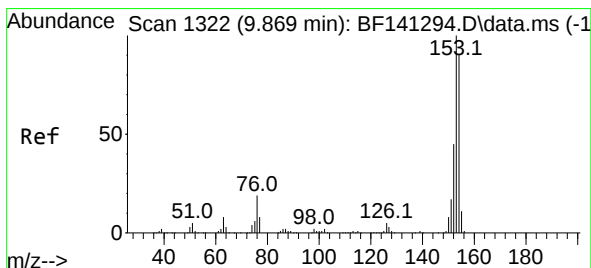
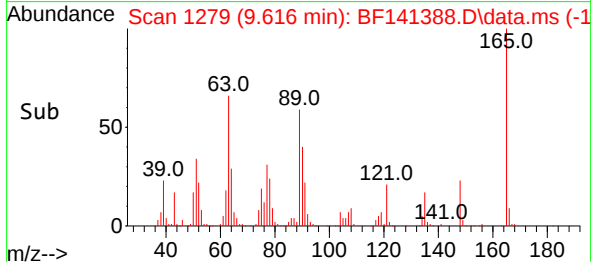
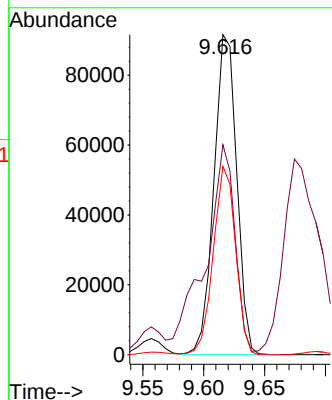
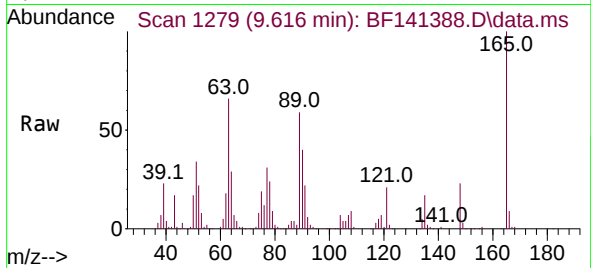




#51
2,6-Dinitrotoluene
Concen: 48.972 ng
RT: 9.616 min Scan# 119498
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

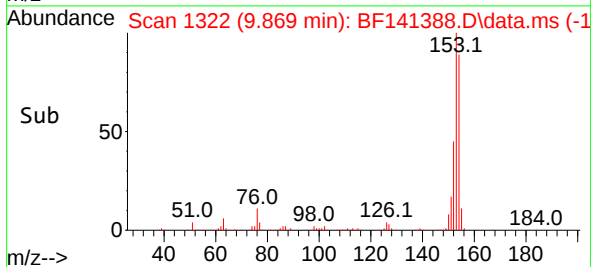
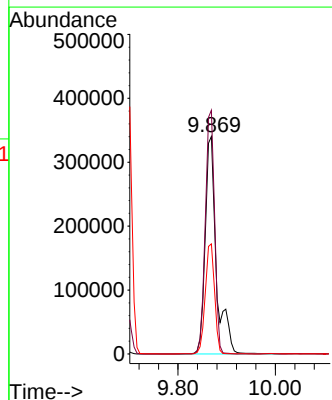
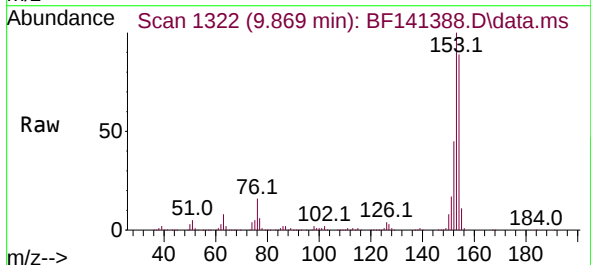
Instrument :
BNA_F
ClientSampleId :
RBR200030MSD

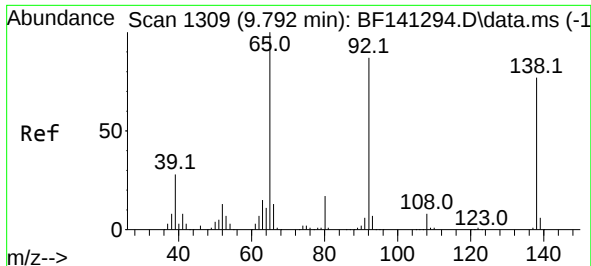
Tgt Ion:165 Resp: 119498
Ion Ratio Lower Upper
165 100
63 65.6 48.1 72.1
89 58.9 44.9 67.3



#52
Acenaphthene
Concen: 57.736 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion:154 Resp: 546124
Ion Ratio Lower Upper
154 100
153 112.1 89.0 133.4
152 50.6 40.2 60.4

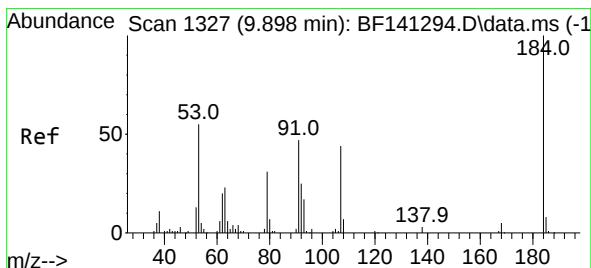
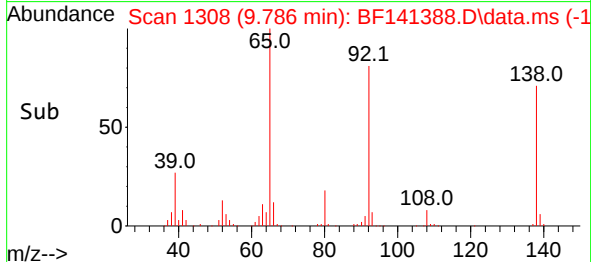
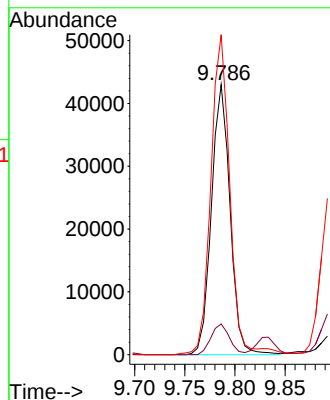
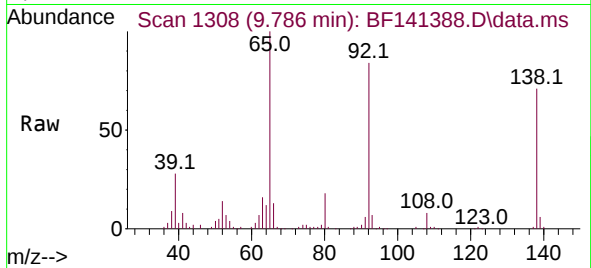




#53
3-Nitroaniline
Concen: 23.212 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

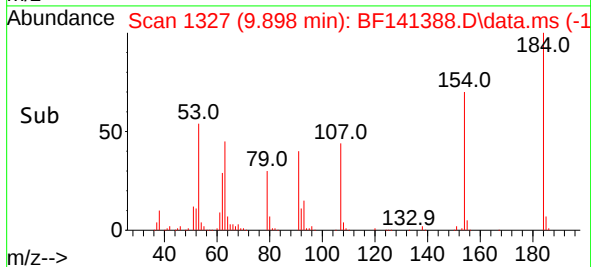
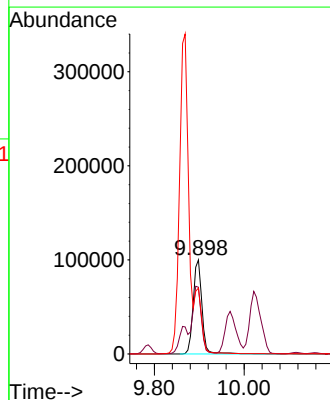
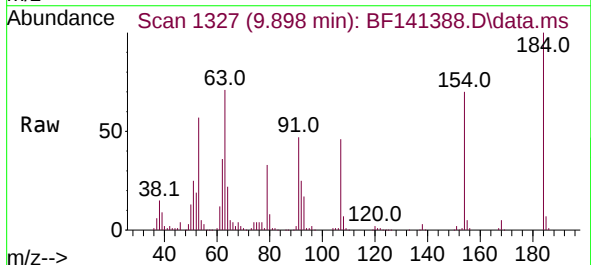
Instrument :
BNA_F
ClientSampleId :
RBR200030MSD

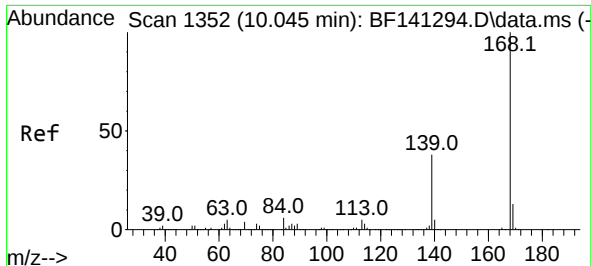
Tgt Ion:138 Resp: 55514
Ion Ratio Lower Upper
138 100
108 11.3 8.6 12.8
92 118.5 91.0 136.6



#54
2,4-Dinitrophenol
Concen: 120.172 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion:184 Resp: 136313
Ion Ratio Lower Upper
184 100
63 70.9 54.1 81.1
154 70.1 50.7 76.1

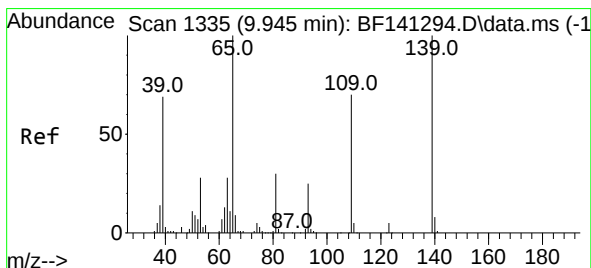
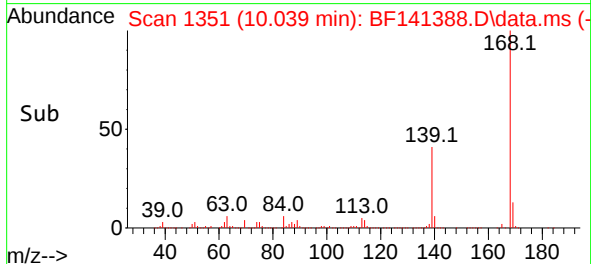
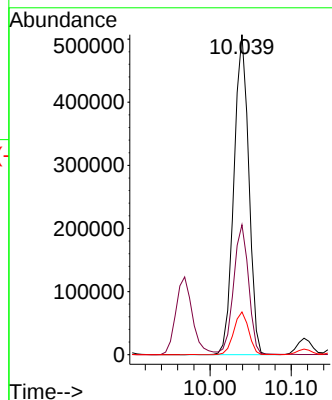
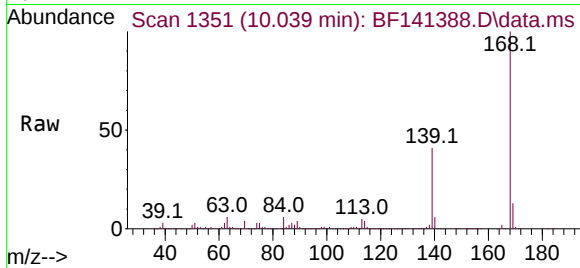




#55
Dibenzenofuran
Concen: 50.756 ng
RT: 10.039 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

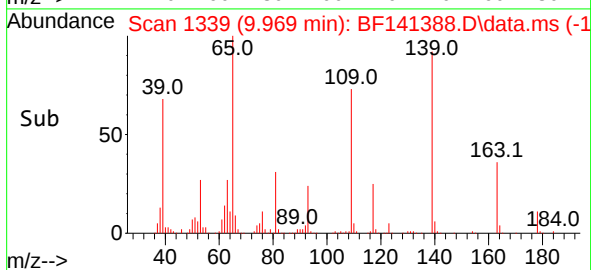
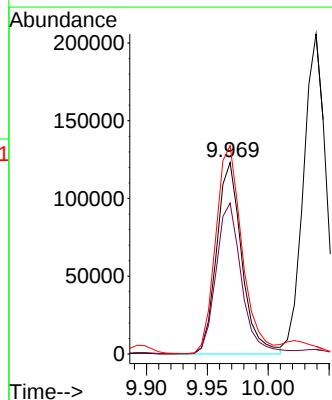
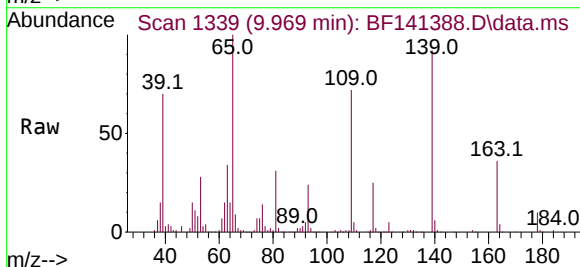
Instrument :
BNA_F
ClientSampleId :
RBR200030MSD

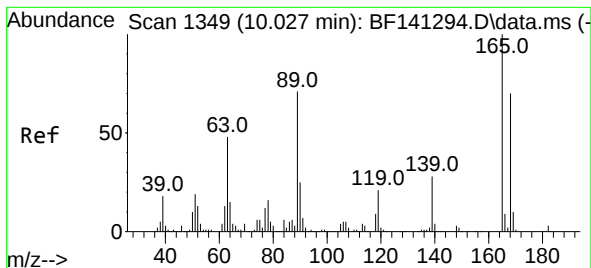
Tgt Ion:168 Resp: 642639
Ion Ratio Lower Upper
168 100
139 40.6 30.6 46.0
169 13.4 10.8 16.2



#56
4-Nitrophenol
Concen: 101.180 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion:139 Resp: 176972
Ion Ratio Lower Upper
139 100
109 78.8 50.2 90.2
65 108.8 80.6 120.6

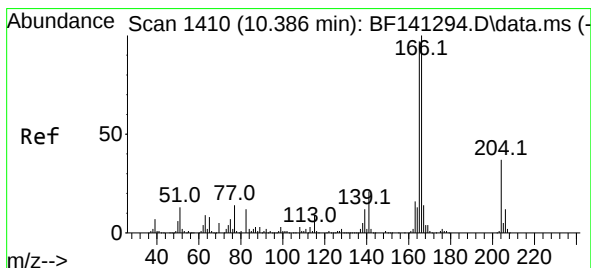
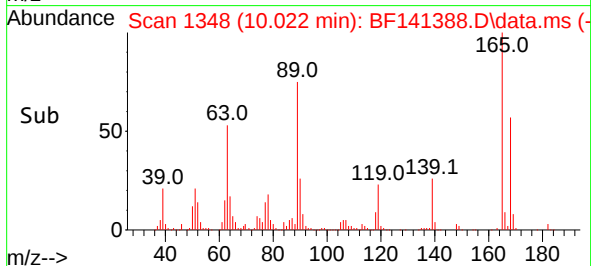
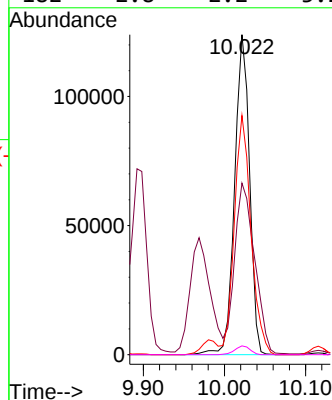
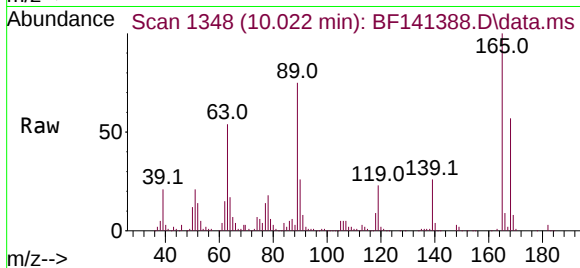




#57
2,4-Dinitrotoluene
Concen: 49.973 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

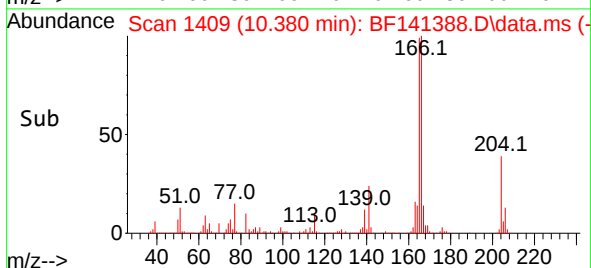
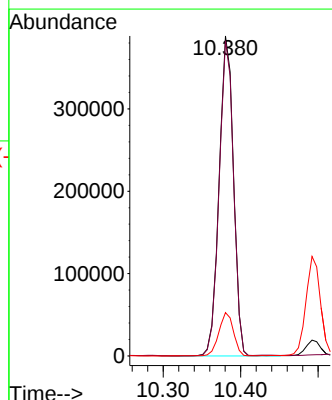
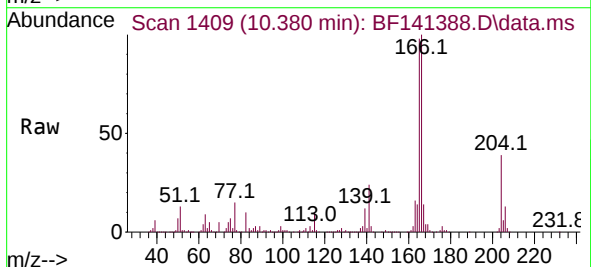
Instrument :
BNA_F
ClientSampleId :
RBR200030MSD

Tgt Ion:165 Resp: 157879
Ion Ratio Lower Upper
165 100
63 53.6 39.2 58.8
89 74.8 56.9 85.3
182 2.8 2.2 3.2



#58
Fluorene
Concen: 51.101 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion:166 Resp: 501877
Ion Ratio Lower Upper
166 100
165 98.5 77.5 116.3
167 13.6 10.9 16.3

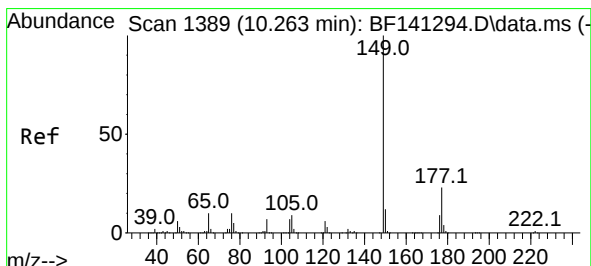
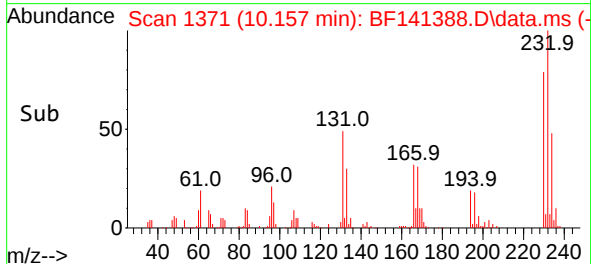
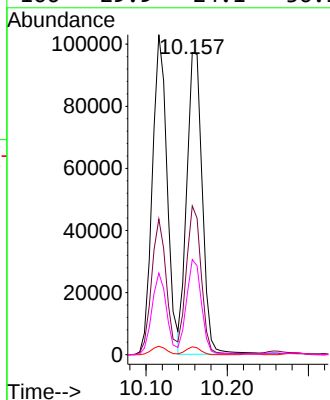
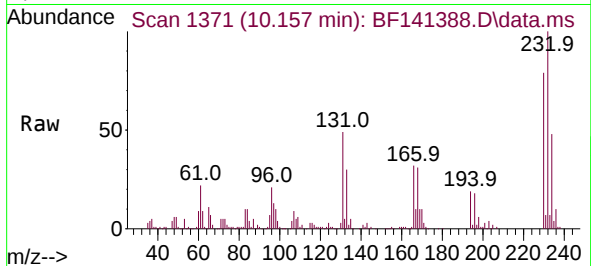




#59
2,3,4,6-Tetrachlorophenol
Concen: 52.002 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

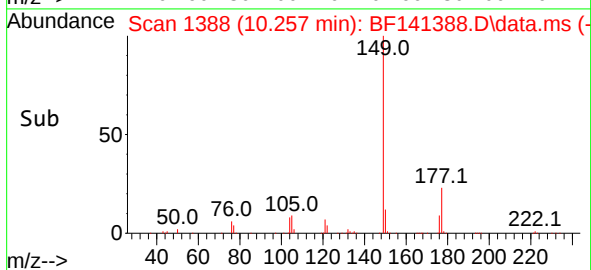
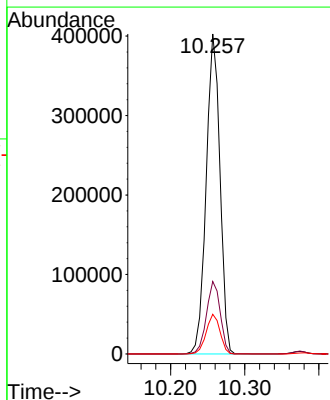
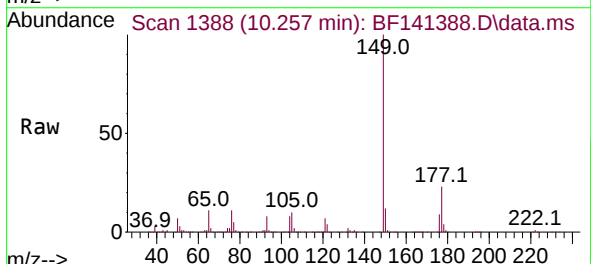
Instrument :
BNA_F
ClientSampleId :
RBR200030MSD

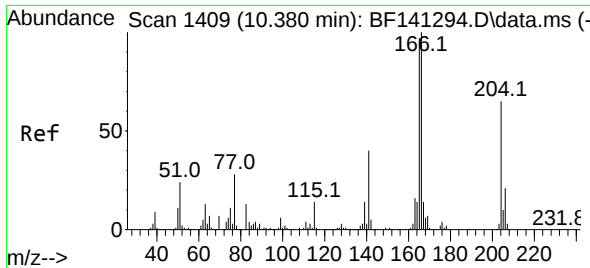
Tgt Ion:232 Resp: 129014
Ion Ratio Lower Upper
232 100
131 47.2 36.4 54.6
130 2.4 1.9 2.9
166 29.9 24.1 36.1



#60
Diethylphthalate
Concen: 50.971 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion:149 Resp: 519392
Ion Ratio Lower Upper
149 100
177 22.6 18.5 27.7
150 12.4 10.0 15.0

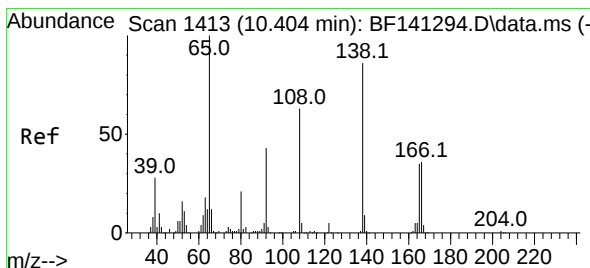
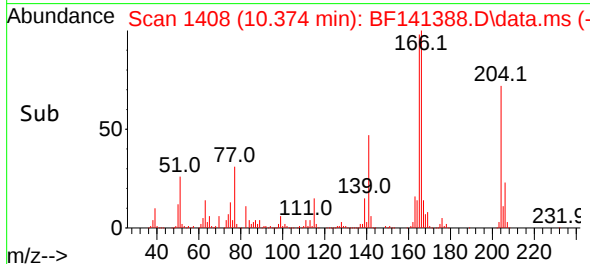
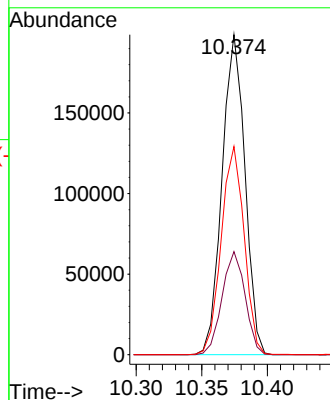
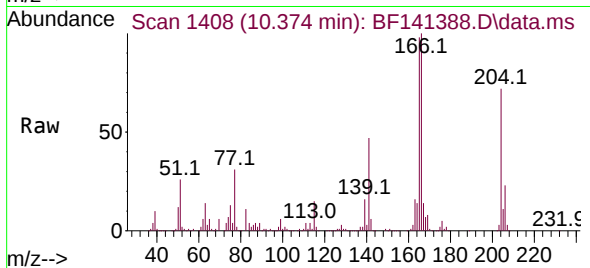




#61
4-Chlorophenyl-phenylether
Concen: 50.157 ng
RT: 10.374 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

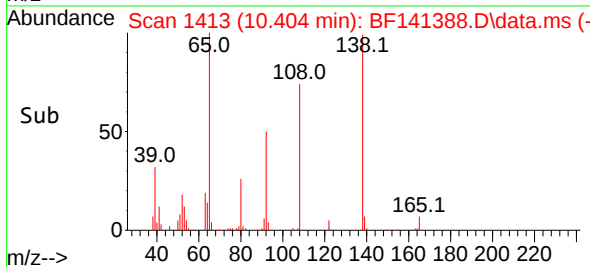
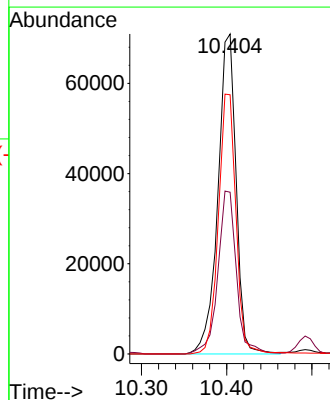
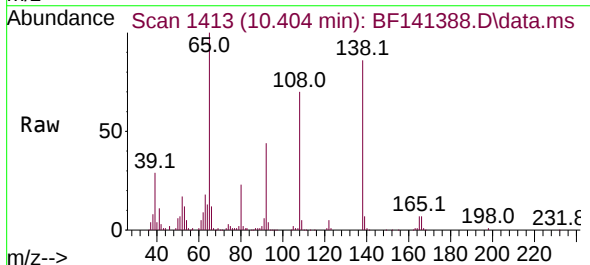
Instrument :
BNA_F
ClientSampleId :
RBR200030MSD

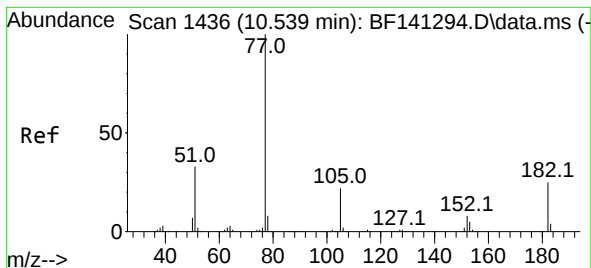
Tgt Ion:204 Resp: 240624
Ion Ratio Lower Upper
204 100
206 32.2 25.9 38.9
141 65.0 49.5 74.3



#62
4-Nitroaniline
Concen: 44.898 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion:138 Resp: 105568
Ion Ratio Lower Upper
138 100
92 50.6 30.1 70.1
108 81.0 53.1 93.1





#63

Azobenzene

Concen: 52.314 ng

RT: 10.533 min Scan# 1436

Delta R.T. -0.012 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

RBR200030MSD

Tgt Ion: 77 Resp: 533602

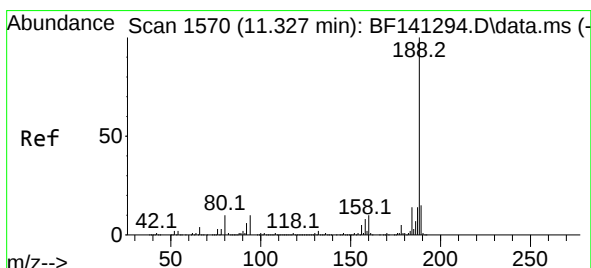
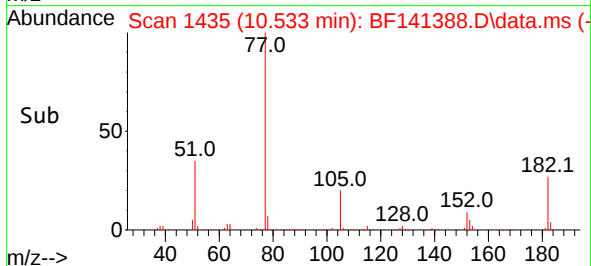
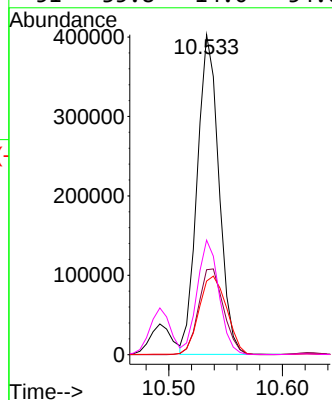
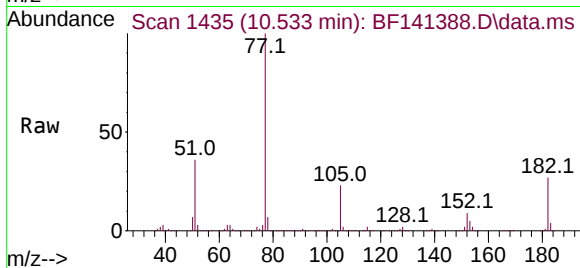
Ion Ratio Lower Upper

77 100

182 26.6 5.1 45.1

105 23.0 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: BF141388.D

Acq: 03 Feb 2025 23:56

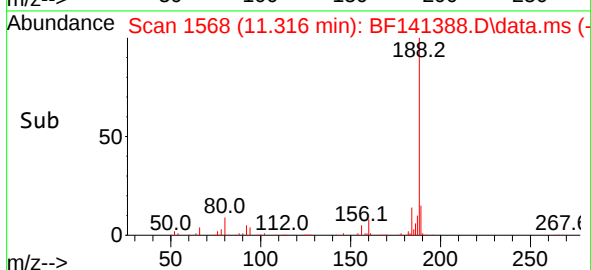
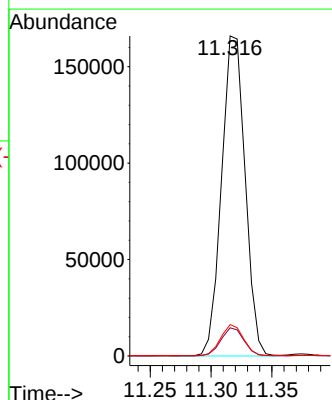
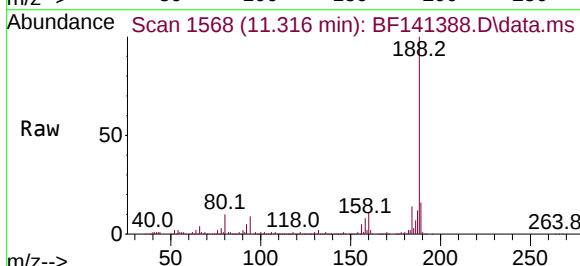
Tgt Ion:188 Resp: 223623

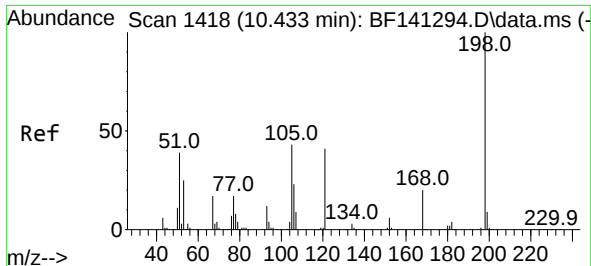
Ion Ratio Lower Upper

188 100

94 8.8 7.8 11.6

80 9.8 8.2 12.4

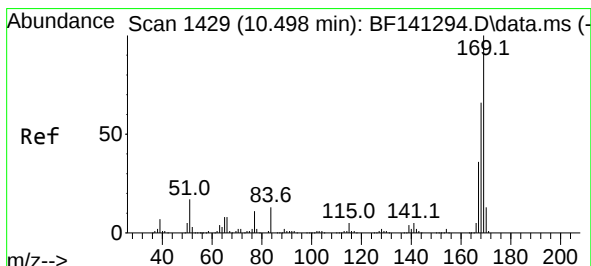
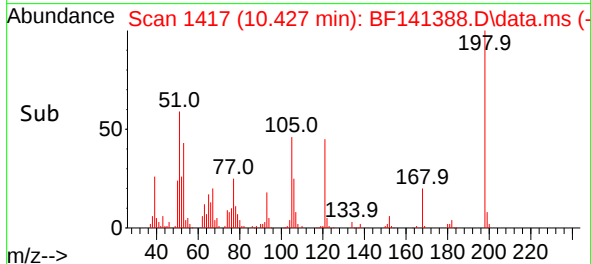
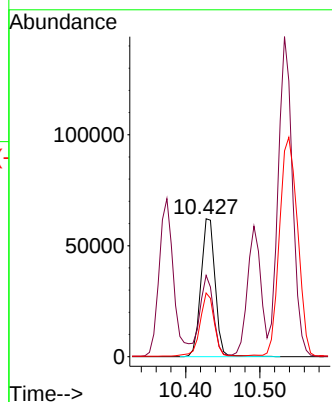
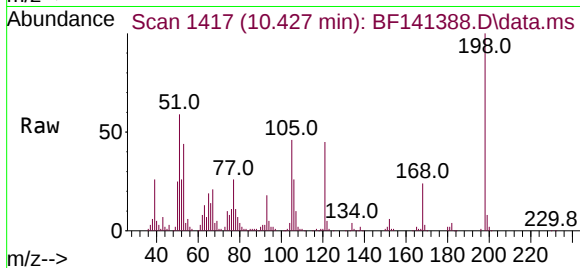




#65
4,6-Dinitro-2-methylphenol
Concen: 62.184 ng
RT: 10.427 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

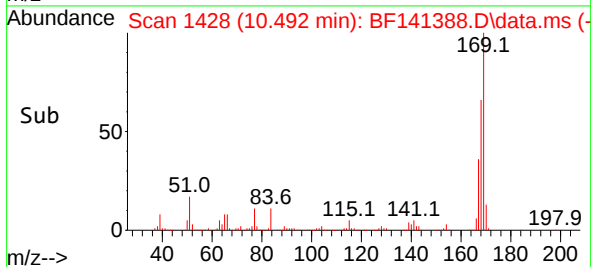
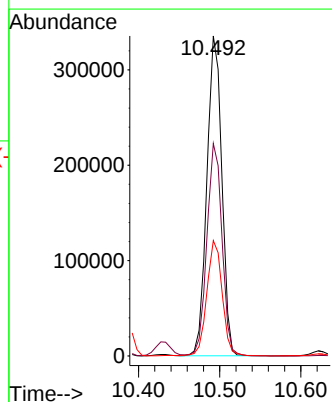
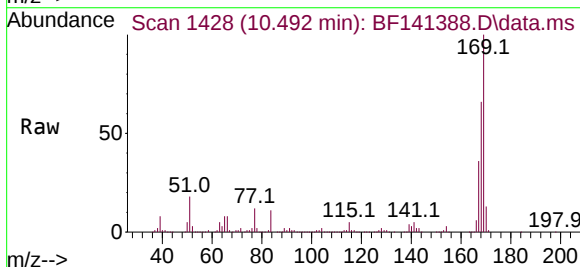
Instrument :
BNA_F
ClientSampleId :
RBR200030MSD

Tgt Ion:198 Resp: 82252
Ion Ratio Lower Upper
198 100
51 58.9 33.4 73.4
105 46.2 24.4 64.4



#66
n-Nitrosodiphenylamine
Concen: 59.056 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion:169 Resp: 427136
Ion Ratio Lower Upper
169 100
168 66.4 53.0 79.4
167 36.0 28.8 43.2

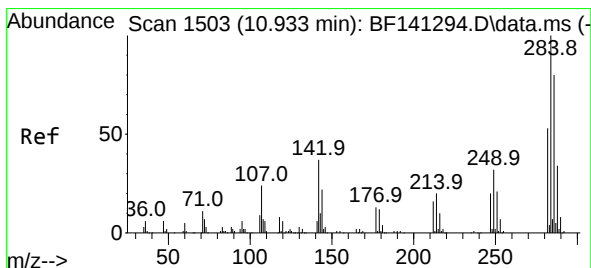
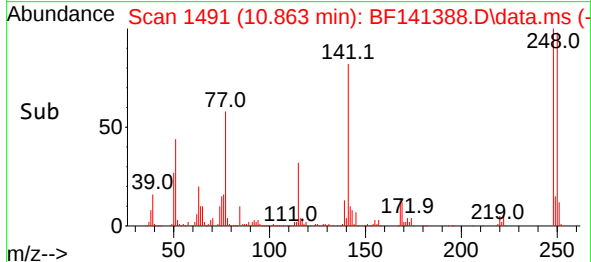
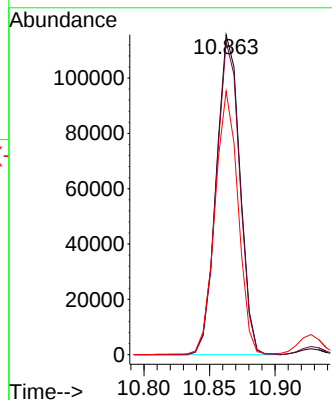
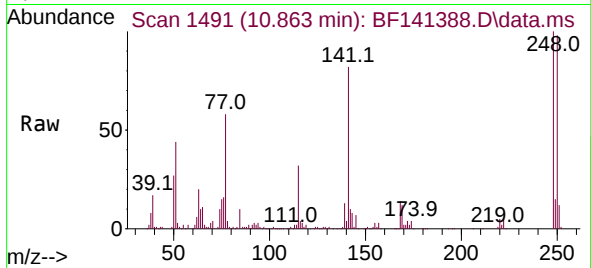




#67
4-Bromophenyl-phenylether
Concen: 57.795 ng
RT: 10.863 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

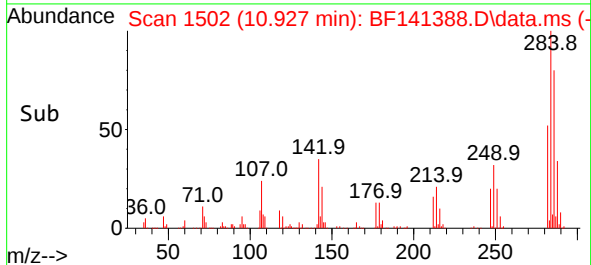
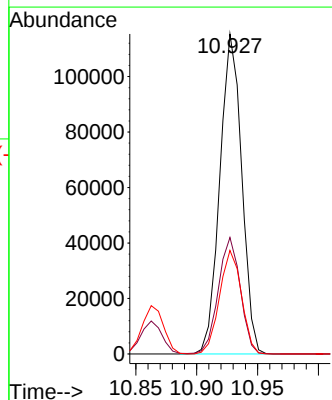
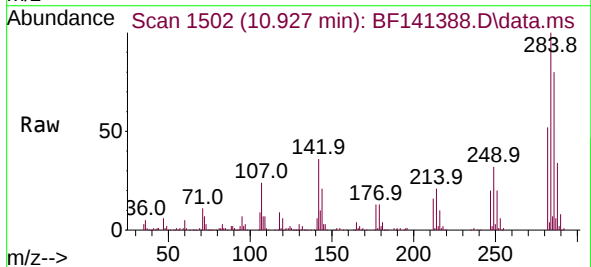
Instrument :
BNA_F
ClientSampleId :
RBR200030MSD

Tgt Ion:248 Resp: 144692
Ion Ratio Lower Upper
248 100
250 97.8 79.0 118.4
141 82.3 63.7 95.5



#68
Hexachlorobenzene
Concen: 54.293 ng
RT: 10.927 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion:284 Resp: 144183
Ion Ratio Lower Upper
284 100
142 36.4 29.5 44.3
249 32.3 25.4 38.2





#69

Atrazine

Concen: 62.994 ng

RT: 11.021 min Scan# 1519

Delta R.T. -0.012 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

RBR200030MSD

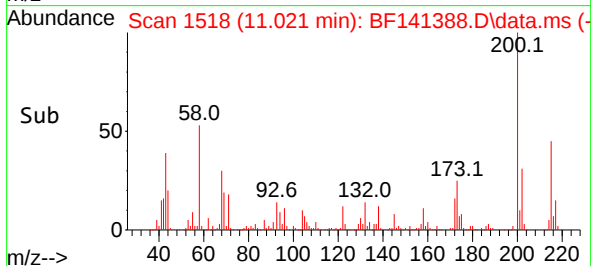
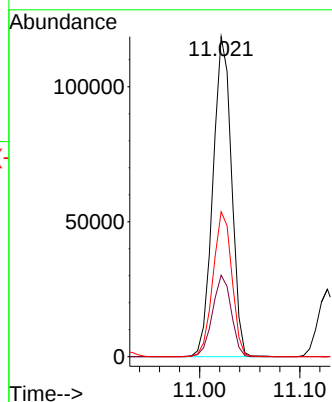
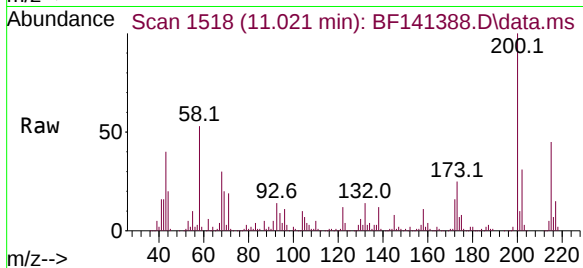
Tgt Ion:200 Resp: 152336

Ion Ratio Lower Upper

200 100

173 25.4 5.9 45.9

215 45.3 25.2 65.2



#70

Pentachlorophenol

Concen: 108.590 ng

RT: 11.127 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

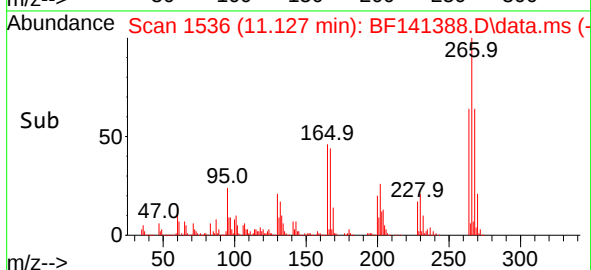
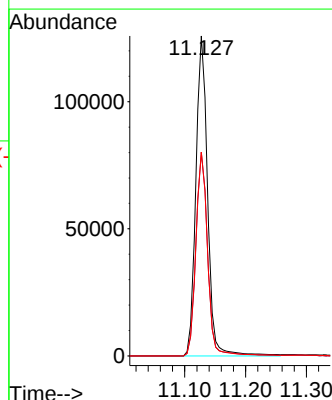
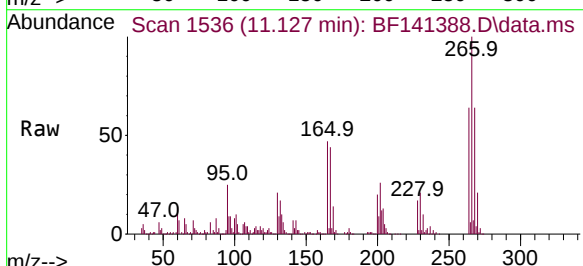
Tgt Ion:266 Resp: 168867

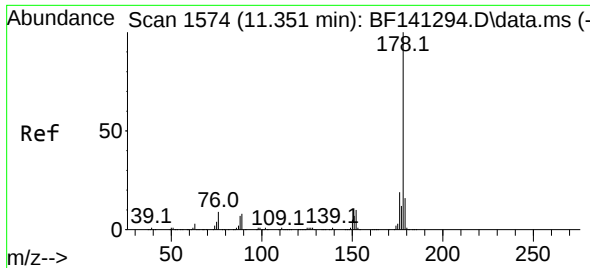
Ion Ratio Lower Upper

266 100

268 63.7 49.9 74.9

264 63.7 51.0 76.4

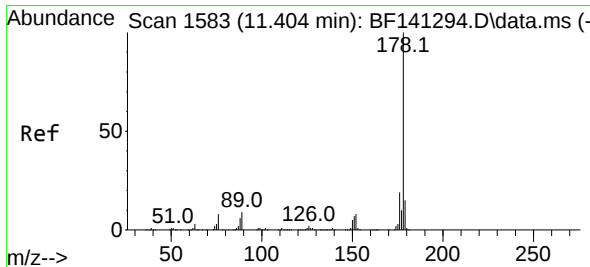
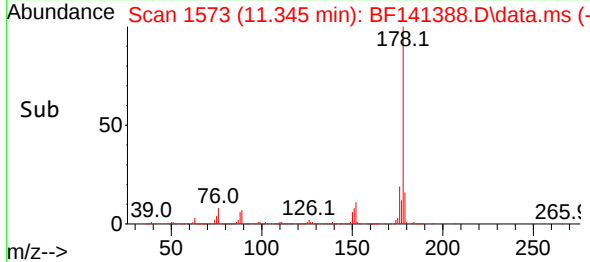
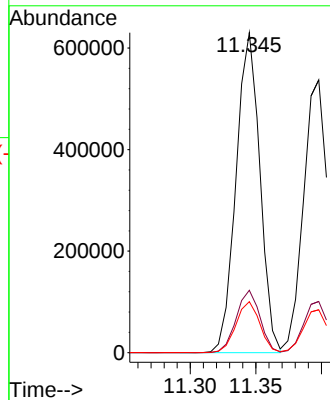
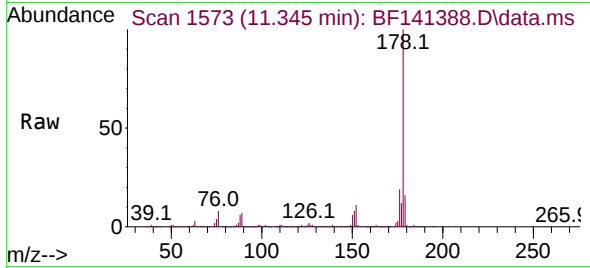




#71
Phenanthrene
Concen: 66.293 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

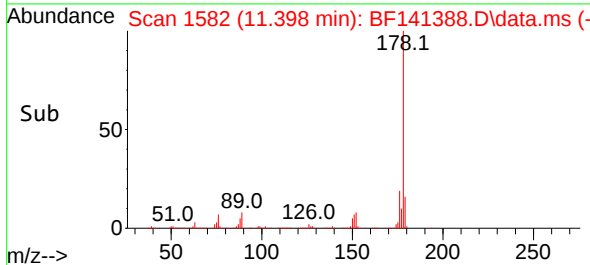
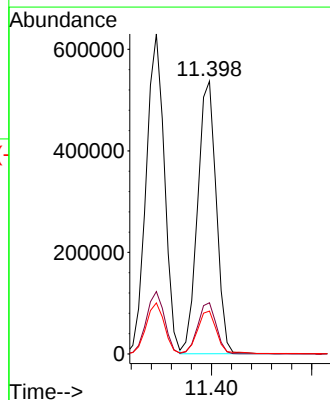
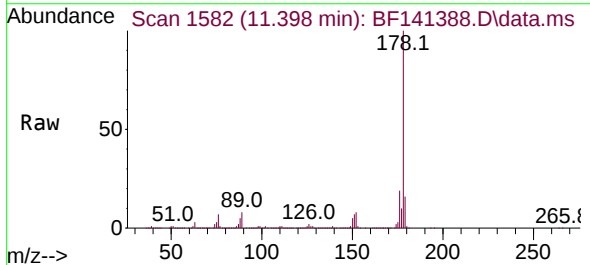
Instrument :
BNA_F
ClientSampleId :
RBR200030MSD

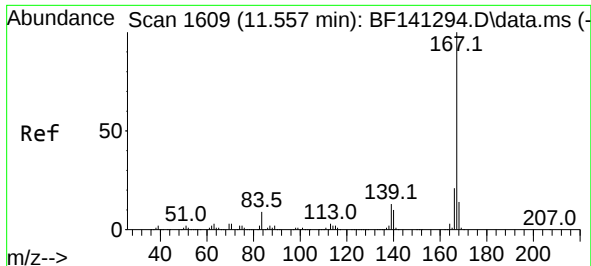
Tgt Ion:178 Resp: 796885
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 16.0 12.5 18.7



#72
Anthracene
Concen: 58.825 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion:178 Resp: 692848
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.7 12.3 18.5

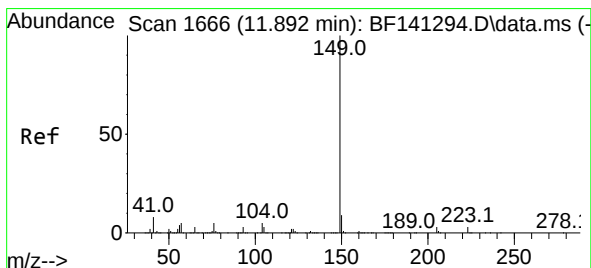
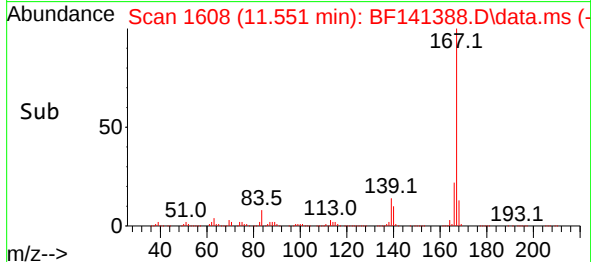
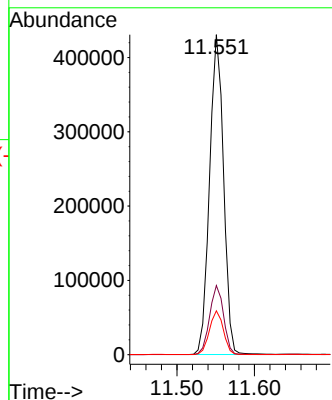
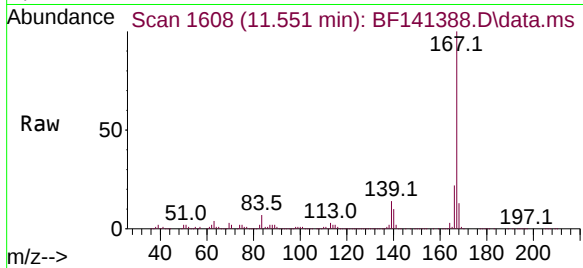




#73
Carbazole
Concen: 51.643 ng
RT: 11.551 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

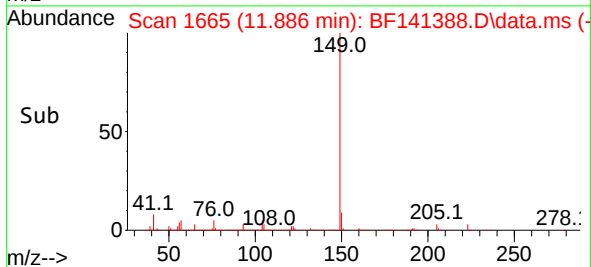
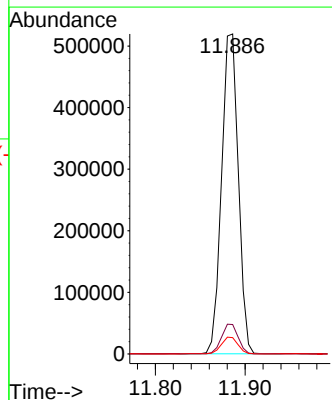
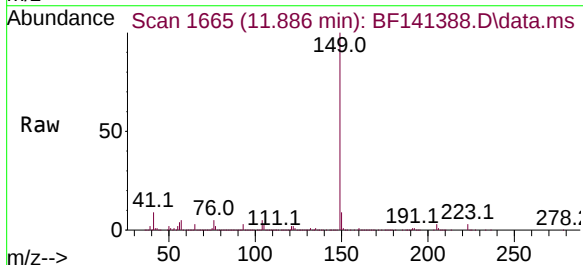
Instrument :
BNA_F
ClientSampleId :
RBR200030MSD

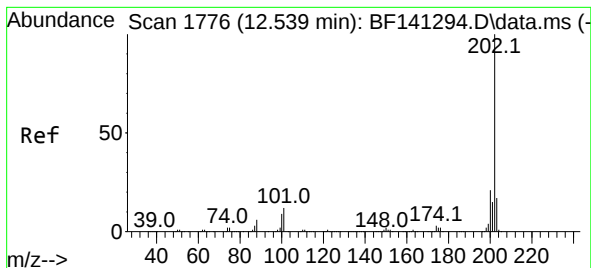
Tgt Ion:167 Resp: 539352
Ion Ratio Lower Upper
167 100
166 21.6 17.0 25.6
139 13.7 10.6 16.0



#74
Di-n-butylphthalate
Concen: 53.130 ng
RT: 11.886 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion:149 Resp: 672459
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 5.1 3.9 5.9





#75

Fluoranthene

Concen: 72.779 ng

RT: 12.533 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

RBR200030MSD

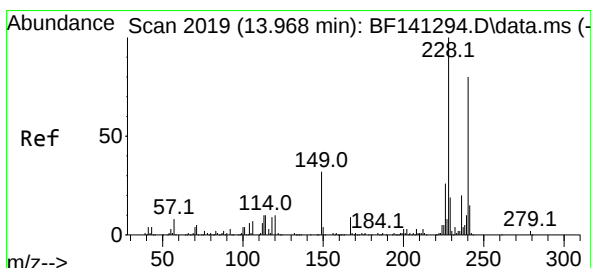
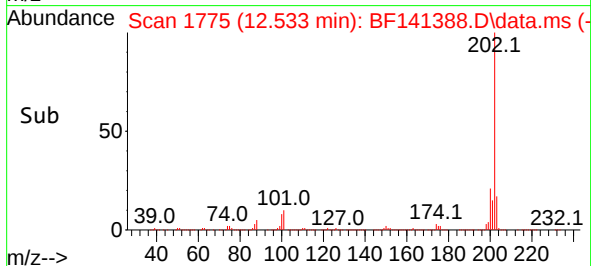
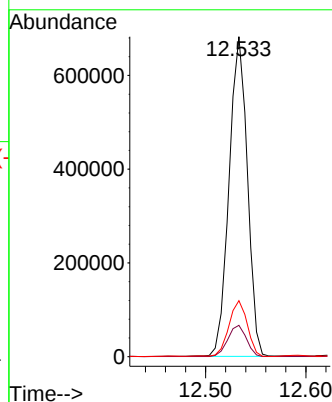
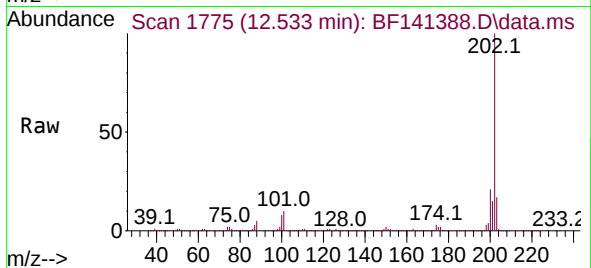
Tgt Ion:202 Resp: 863812

Ion Ratio Lower Upper

202 100

101 9.8 0.0 31.7

203 17.5 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.962 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

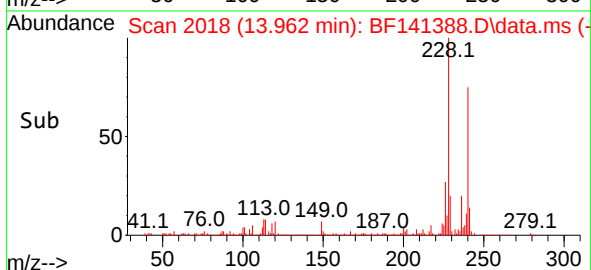
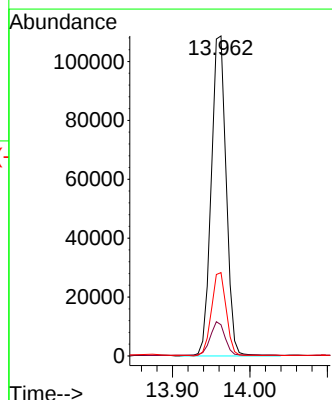
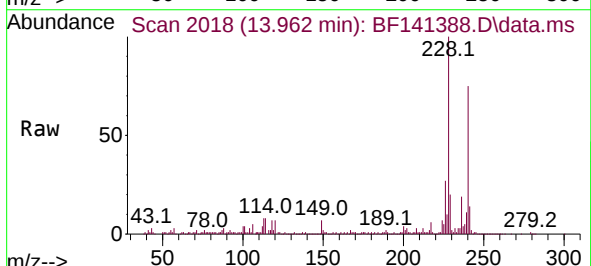
Tgt Ion:240 Resp: 145645

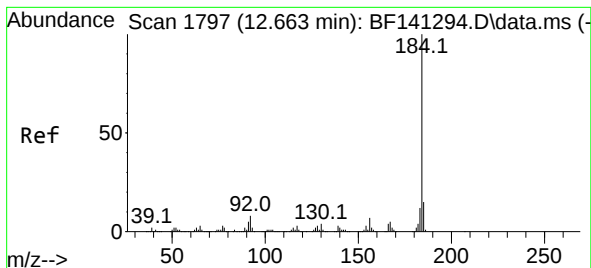
Ion Ratio Lower Upper

240 100

120 9.7 10.0 15.0#

236 26.1 19.7 29.5





#77

Benzidine

Concen: 36.109 ng

RT: 12.657 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

RBR200030MSD

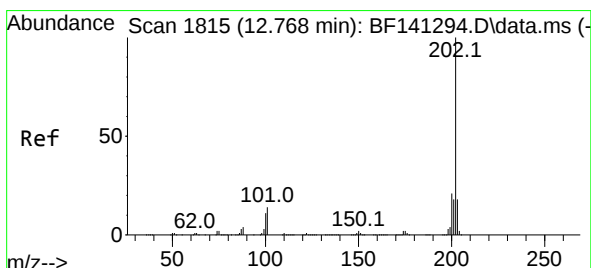
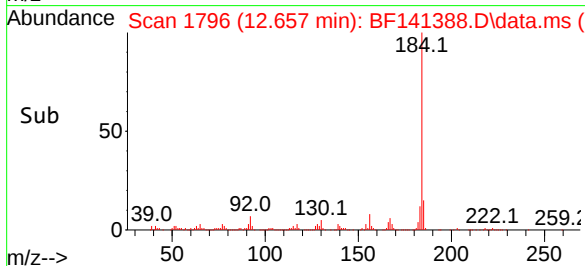
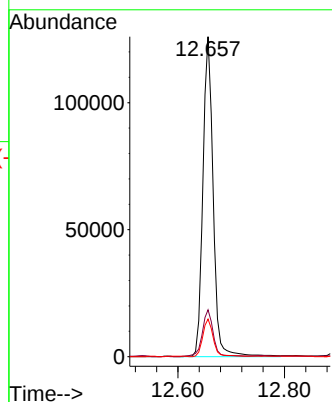
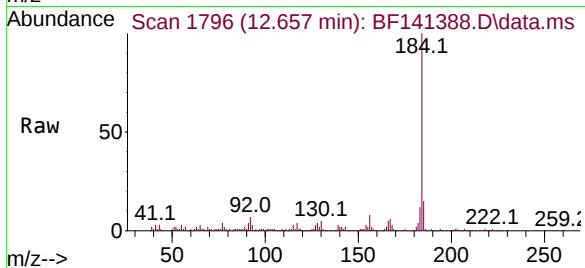
Tgt Ion:184 Resp: 168597

Ion Ratio Lower Upper

184 100

185 14.7 11.9 17.9

183 11.8 9.5 14.3



#78

Pyrene

Concen: 58.488 ng

RT: 12.763 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

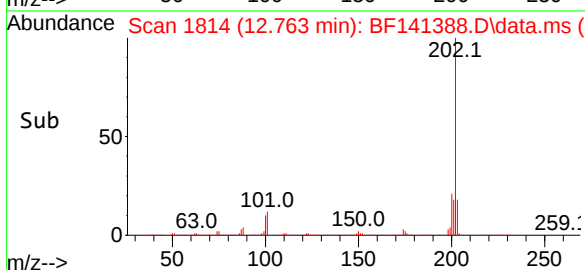
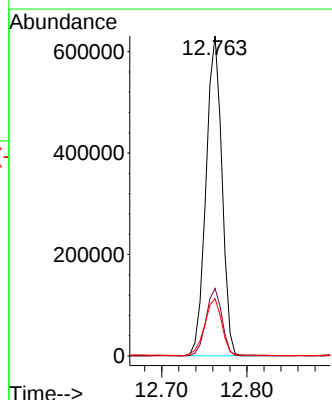
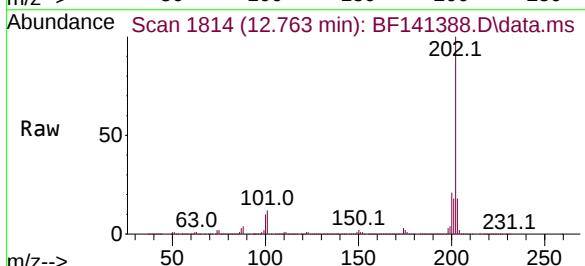
Tgt Ion:202 Resp: 817696

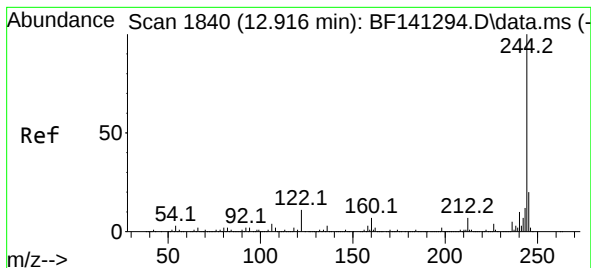
Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

203 17.9 14.3 21.5





#79

Terphenyl-d14

Concen: 67.758 ng

RT: 12.904 min Scan# 1838

Delta R.T. -0.012 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

RBR200030MSD

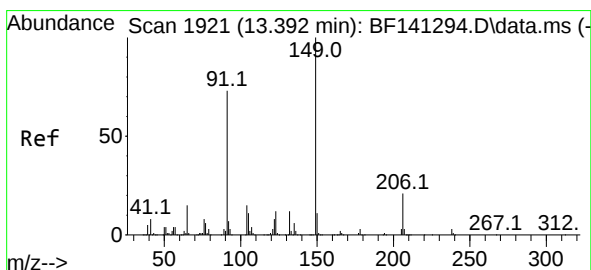
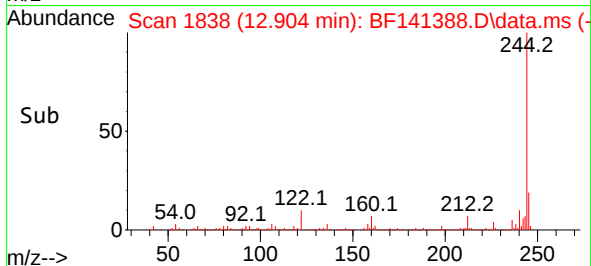
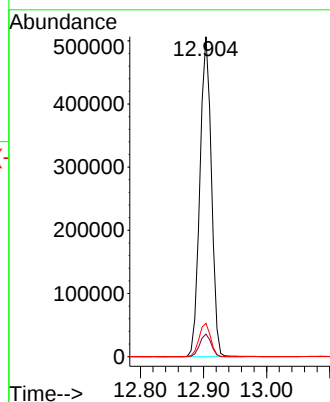
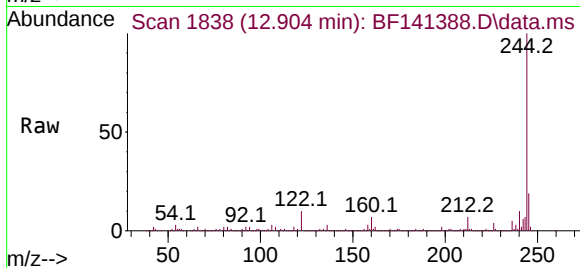
Tgt Ion:244 Resp: 639907

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

122 10.4 8.8 13.2



#80

Butylbenzylphthalate

Concen: 46.600 ng

RT: 13.380 min Scan# 1919

Delta R.T. -0.012 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

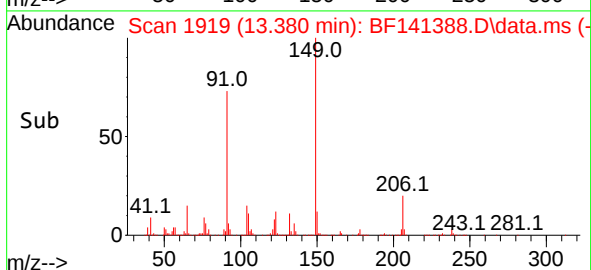
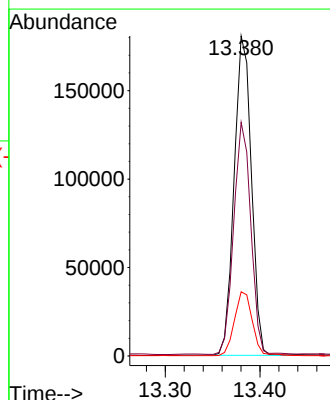
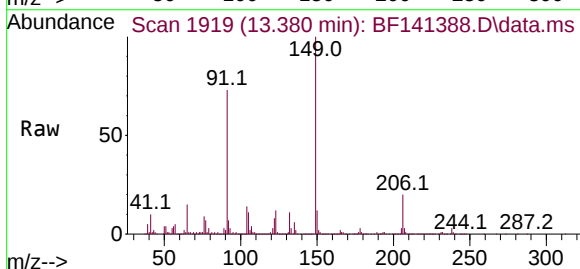
Tgt Ion:149 Resp: 227604

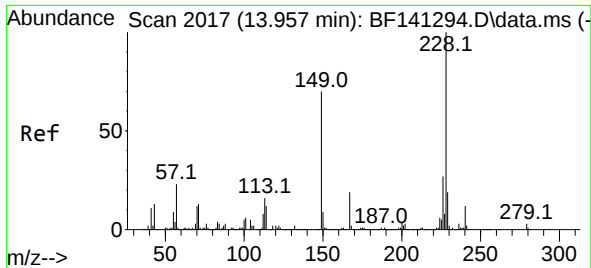
Ion Ratio Lower Upper

149 100

91 73.0 58.6 87.8

206 20.0 16.7 25.1

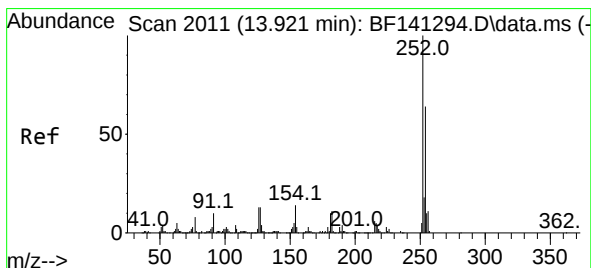
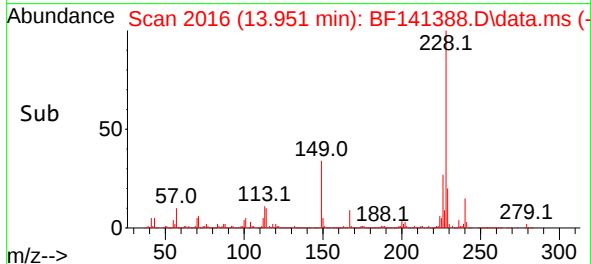
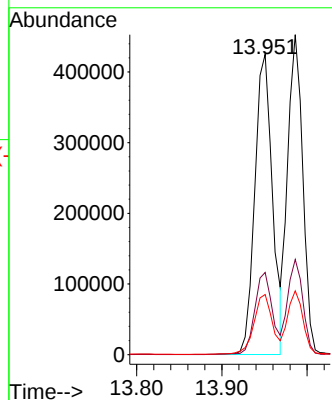
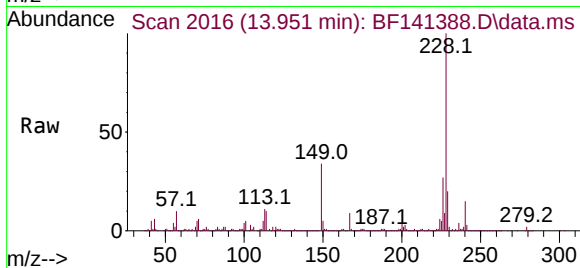




#81
Benzo(a)anthracene
Concen: 60.851 ng
RT: 13.951 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

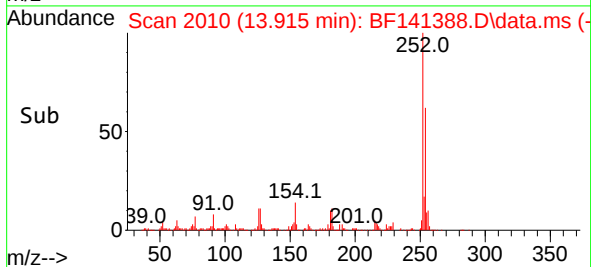
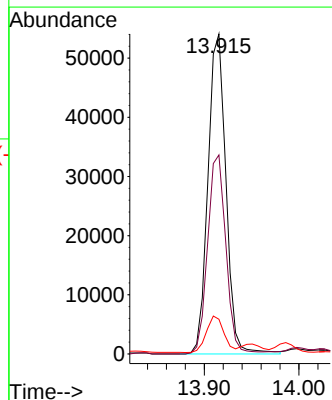
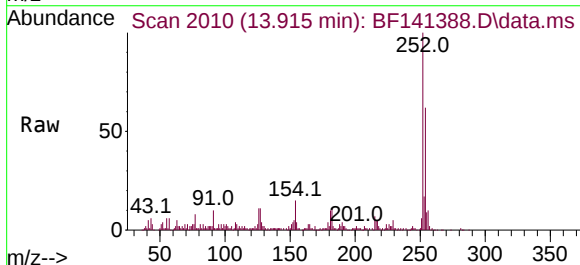
Instrument :
BNA_F
ClientSampleId :
RBR200030MSD

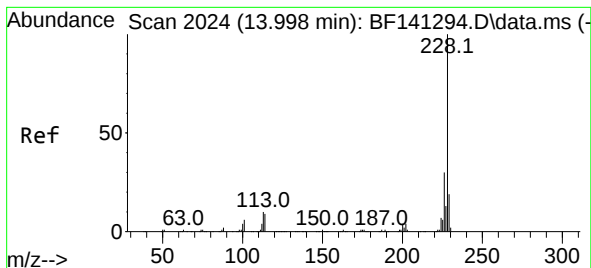
Tgt Ion:228 Resp: 611572
Ion Ratio Lower Upper
228 100
226 27.4 21.4 32.2
229 20.0 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 22.345 ng
RT: 13.915 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion:252 Resp: 71425
Ion Ratio Lower Upper
252 100
254 62.2 51.3 76.9
126 10.9 10.0 15.0





#83

Chrysene

Concen: 60.296 ng

RT: 13.986 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

RBR200030MSD

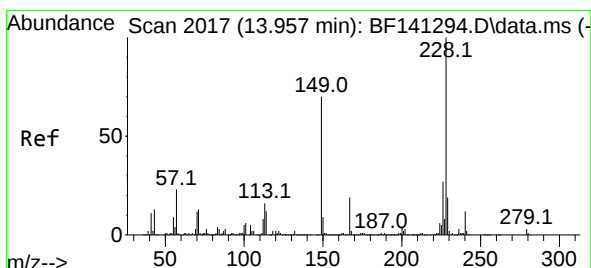
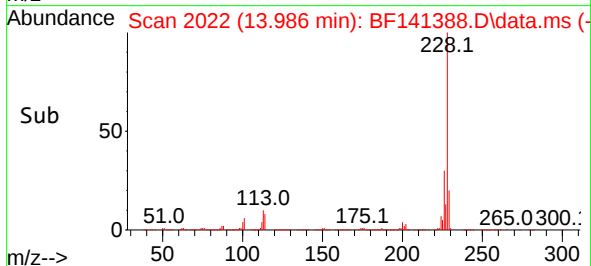
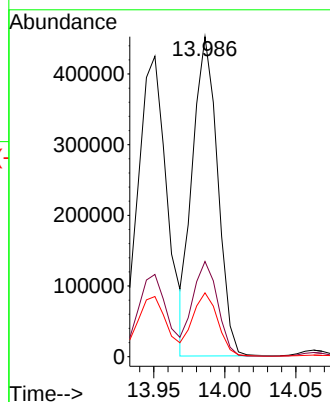
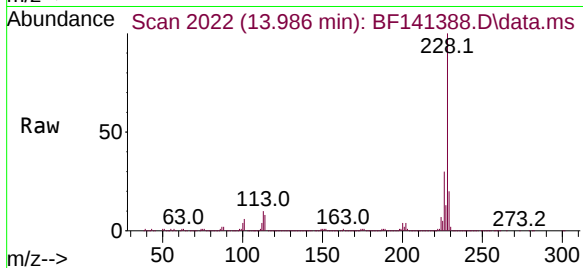
Tgt Ion:228 Resp: 555374

Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

229 20.0 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.564 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

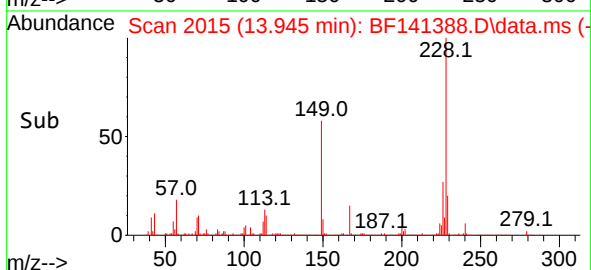
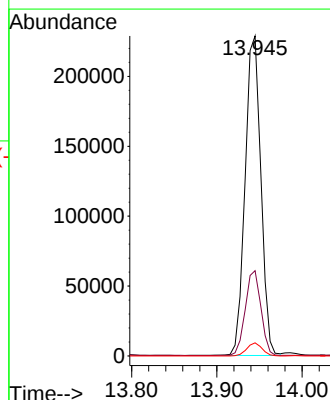
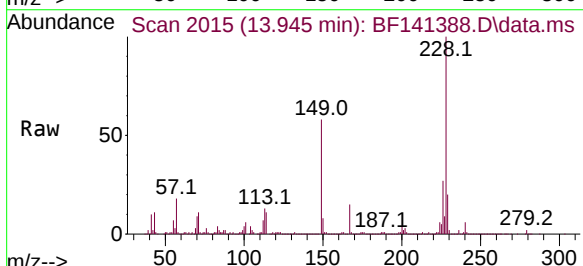
Tgt Ion:149 Resp: 294695

Ion Ratio Lower Upper

149 100

167 26.6 21.8 32.8

279 4.1 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 51.784 ng

RT: 14.557 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

RBR200030MSD

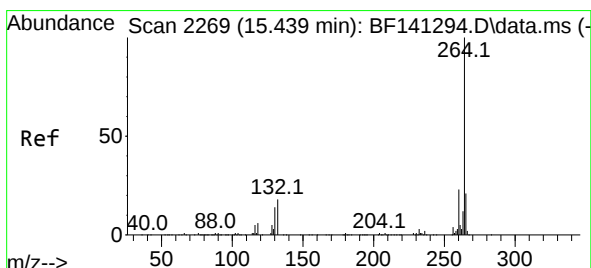
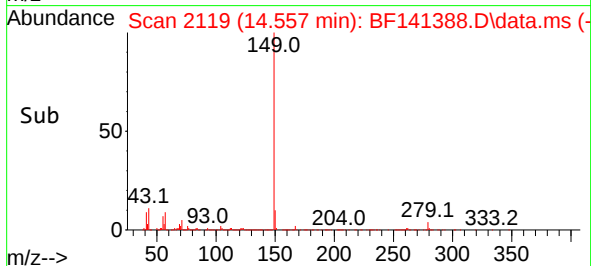
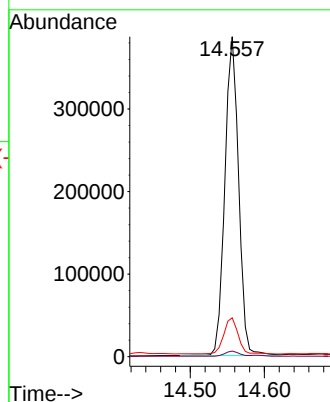
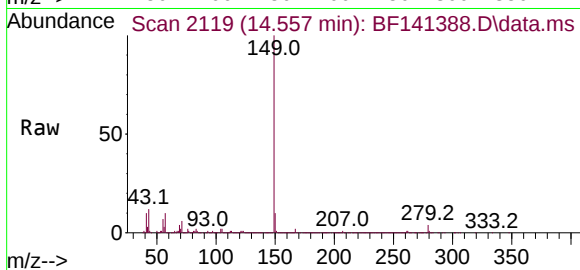
Tgt Ion:149 Resp: 498329

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 11.8 9.8 14.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2263

Delta R.T. -0.036 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

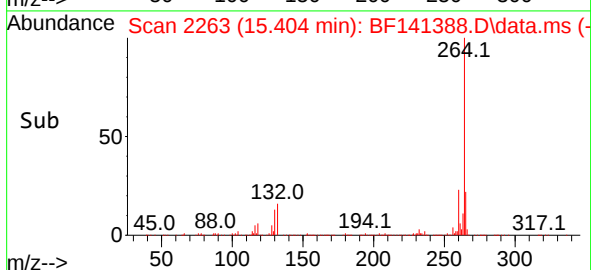
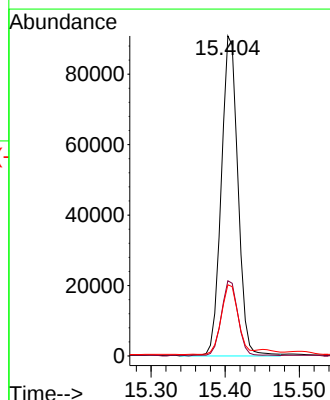
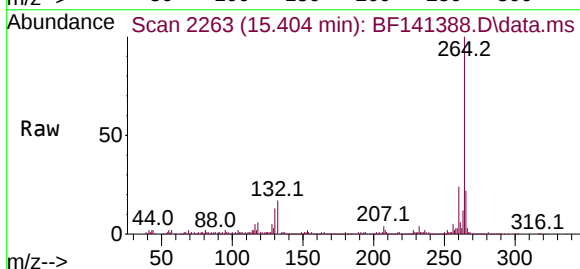
Tgt Ion:264 Resp: 142381

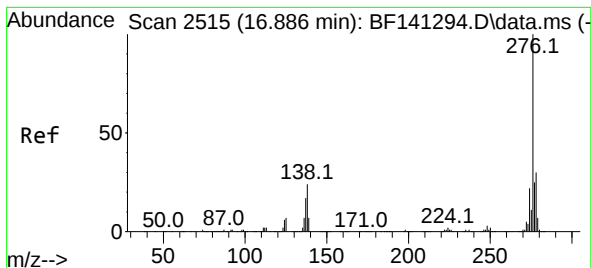
Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 22.3 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.396 ng

RT: 16.845 min Scan# 2193

Delta R.T. -0.053 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

RBR200030MSD

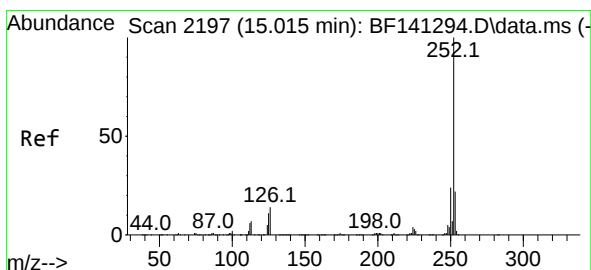
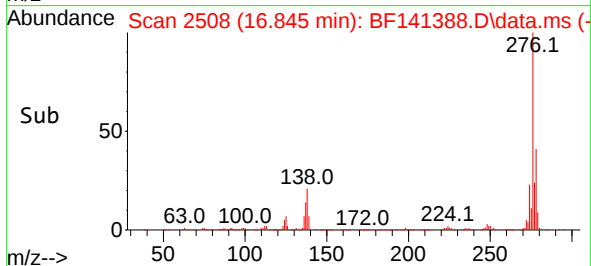
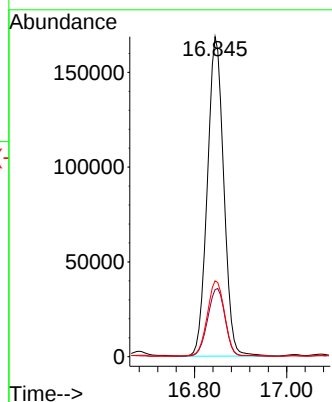
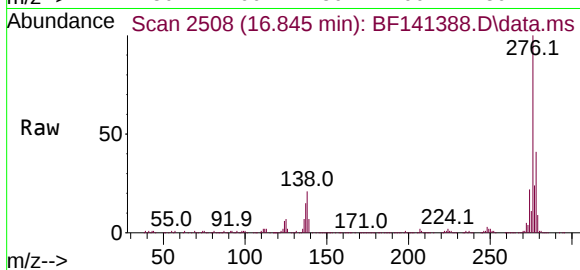
Tgt Ion:276 Resp: 417175

Ion Ratio Lower Upper

276 100

138 22.5 21.7 32.5

277 25.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 67.954 ng

RT: 14.992 min Scan# 2193

Delta R.T. -0.030 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

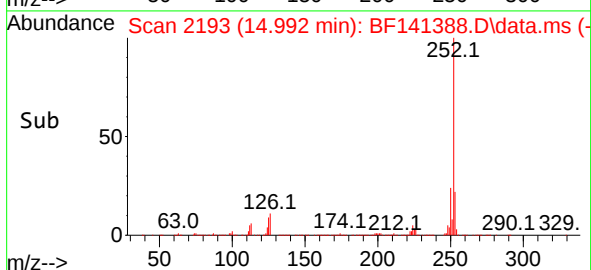
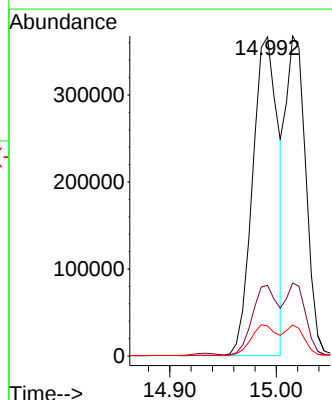
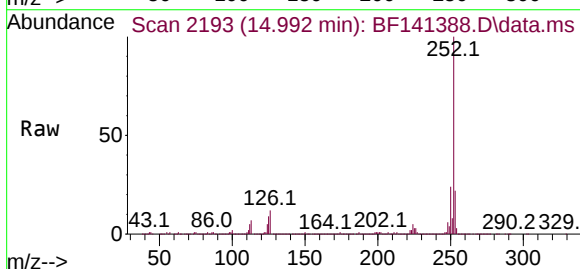
Tgt Ion:252 Resp: 608607

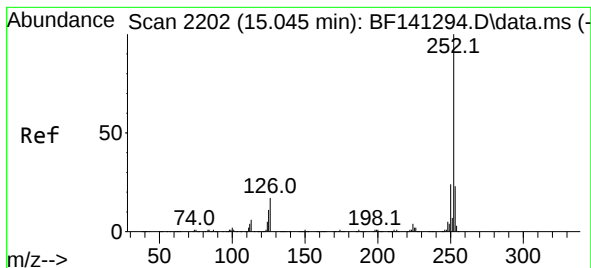
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 9.4 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 60.844 ng

RT: 15.015 min Scan# 2197

Delta R.T. -0.036 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

RBR200030MSD

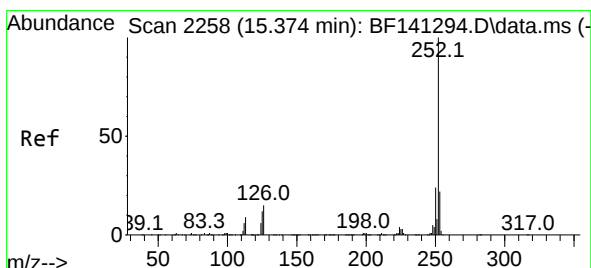
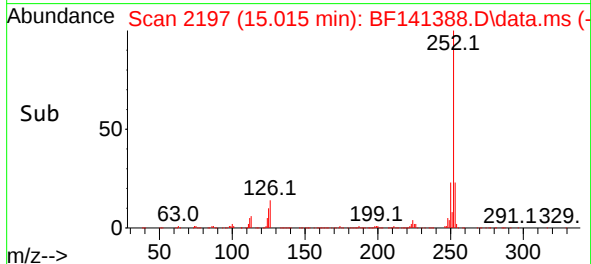
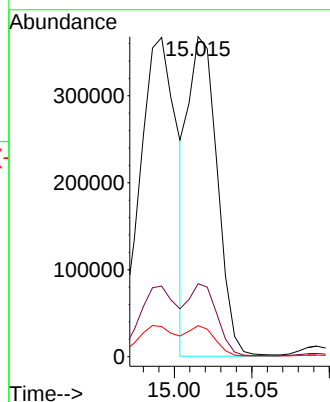
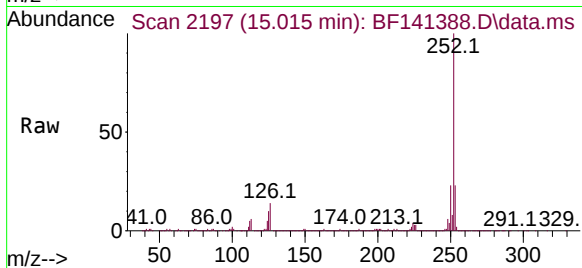
Tgt Ion:252 Resp: 482743

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 9.7 8.4 12.6



#90

Benzo(a)pyrene

Concen: 65.945 ng

RT: 15.351 min Scan# 2254

Delta R.T. -0.030 min

Lab File: BF141388.D

Acq: 03 Feb 2025 23:56

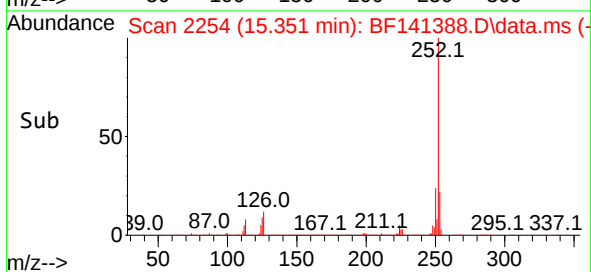
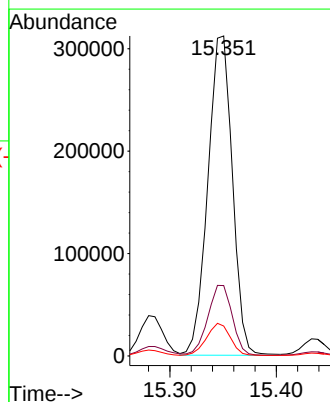
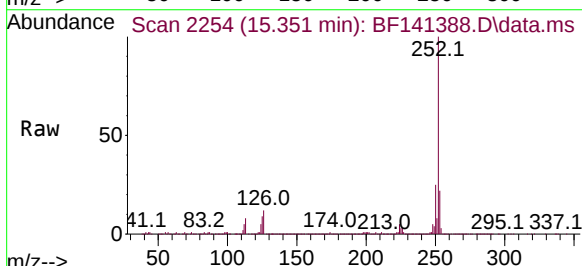
Tgt Ion:252 Resp: 499096

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 9.4 9.4 14.2#

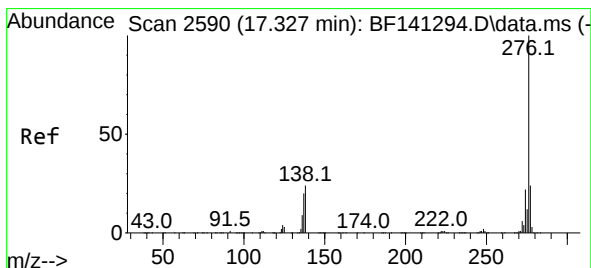
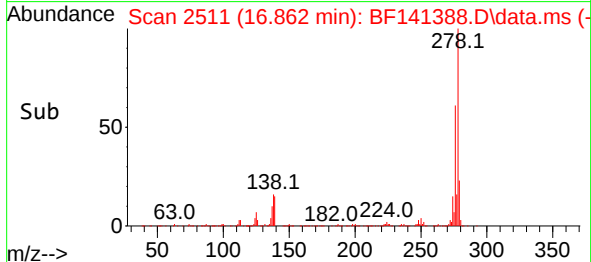
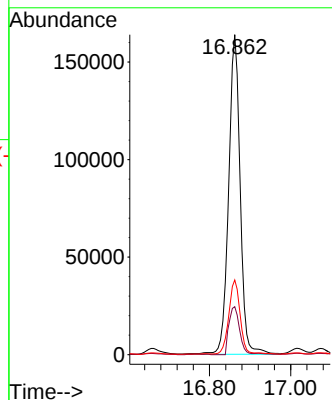
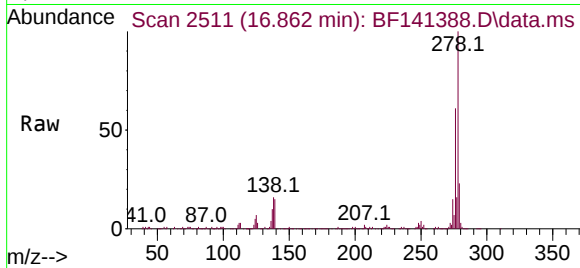




#91
Dibenzo(a,h)anthracene
Concen: 43.904 ng
RT: 16.862 min Scan# 21
Delta R.T. -0.059 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Instrument :
BNA_F
ClientSampleId :
RBR200030MSD

Tgt Ion:278 Resp: 324601
Ion Ratio Lower Upper
278 100
139 15.0 13.9 20.9
279 23.4 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 40.260 ng
RT: 17.280 min Scan# 2582
Delta R.T. -0.065 min
Lab File: BF141388.D
Acq: 03 Feb 2025 23:56

Tgt Ion:276 Resp: 309500
Ion Ratio Lower Upper
276 100
277 23.3 19.2 28.8
138 19.4 19.0 28.4

