

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080425\
 Data File : BF143299.D
 Acq On : 04 Aug 2025 16:36
 Operator : RC/JU
 Sample : Q2734-02MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-253MS

Quant Time: Aug 04 17:01:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	112731	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	401929	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	184855	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	283057	20.000	ng	0.00
76) Chrysene-d12	14.127	240	250499	20.000	ng	0.00
86) Perylene-d12	15.633	264	207340	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.610	112	817220	114.717	ng	0.02
7) Phenol-d6	6.593	99	964675	107.586	ng	0.00
23) Nitrobenzene-d5	7.522	82	695596	86.267	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	240209	125.787	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1141506	84.453	ng	0.00
79) Terphenyl-d14	13.069	244	1127736	66.994	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.963	88	130973	38.855	ng	# 83
3) Pyridine	3.681	79	305432	34.910	ng	98
4) n-Nitrosodimethylamine	3.610	42	189351	41.918	ng	97
6) Aniline	6.622	93	164682	13.178	ng	# 83
8) 2-Chlorophenol	6.751	128	302683	40.535	ng	98
9) Benzaldehyde	6.510	77	95159	14.153	ng	98
10) Phenol	6.604	94	354216	36.262	ng	98
11) bis(2-Chloroethyl)ether	6.692	93	309656	41.402	ng	99
12) 1,3-Dichlorobenzene	6.910	146	307415	37.898	ng	98
13) 1,4-Dichlorobenzene	6.981	146	310422	38.000	ng	100
14) 1,2-Dichlorobenzene	7.134	146	300238	38.642	ng	99
15) Benzyl Alcohol	7.098	79	280576	40.981	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.234	45	563682	40.628	ng	98
17) 2-Methylphenol	7.210	107	249445	39.730	ng	100
18) Hexachloroethane	7.481	117	104997	37.128	ng	98
19) n-Nitroso-di-n-propyla...	7.369	70	226431	39.361	ng	100
20) 3+4-Methylphenols	7.363	107	306583	40.247	ng	# 73
22) Acetophenone	7.363	105	407354	42.808	ng	94
24) Nitrobenzene	7.540	77	329751	43.865	ng	100
25) Isophorone	7.781	82	611142	42.935	ng	99
26) 2-Nitrophenol	7.857	139	153093	46.924	ng	99
27) 2,4-Dimethylphenol	7.892	122	276478	41.573	ng	98
28) bis(2-Chloroethoxy)met...	7.981	93	373342	43.746	ng	100
29) 2,4-Dichlorophenol	8.098	162	239851	42.766	ng	99
30) 1,2,4-Trichlorobenzene	8.187	180	238305	39.330	ng	99
31) Naphthalene	8.263	128	808575	40.848	ng	100
32) Benzoic acid	7.992	122	150849	41.102	ng	99
33) 4-Chloroaniline	8.304	127	72031	8.912	ng	99
34) Hexachlorobutadiene	8.387	225	148491	40.118	ng	99
35) Caprolactam	8.663	113	69587	41.060	ng	94
36) 4-Chloro-3-methylphenol	8.786	107	253624	41.606	ng	99
37) 2-Methylnaphthalene	8.957	142	482106	40.025	ng	100
38) 1-Methylnaphthalene	9.057	142	496123	39.998	ng	99
40) 1,2,4,5-Tetrachloroben...	9.122	216	228572	42.828	ng	100
41) Hexachlorocyclopentadiene	9.110	237	108621	31.279	ng	99
43) 2,4,6-Trichlorophenol	9.234	196	155185	42.014	ng	99

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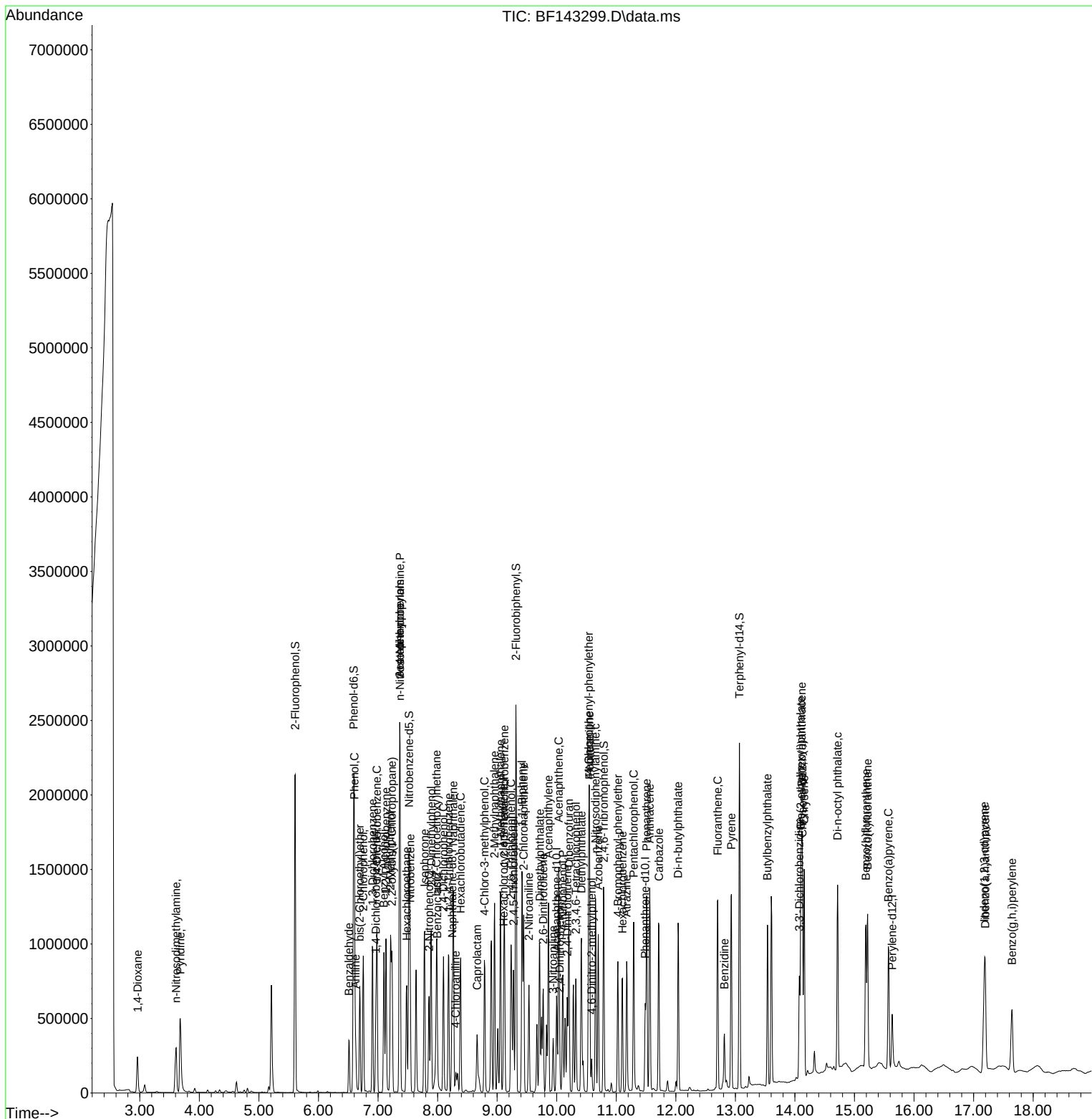
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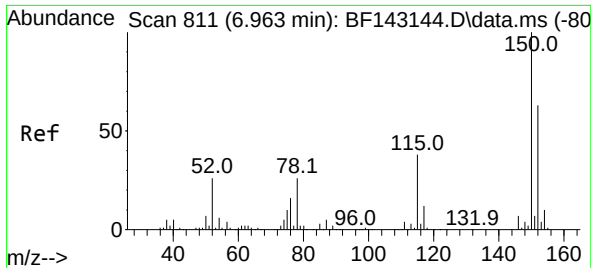
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 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	165692	44.845	ng	99
46) 1,1'-Biphenyl	9.416	154	649010	45.000	ng	99
47) 2-Chloronaphthalene	9.445	162	454224	42.564	ng	99
48) 2-Nitroaniline	9.534	65	164292	49.093	ng	99
49) Acenaphthylene	9.863	152	770007	43.056	ng	100
50) Dimethylphthalate	9.716	163	582296	48.326	ng	99
51) 2,6-Dinitrotoluene	9.775	165	117559	47.960	ng	98
52) Acenaphthene	10.033	154	463401	43.841	ng	98
53) 3-Nitroaniline	9.939	138	74175	25.871	ng	98
54) 2,4-Dinitrophenol	10.051	184	49813	47.768	ng	# 1
55) Dibenzofuran	10.204	168	662206	42.197	ng	98
56) 4-Nitrophenol	10.104	139	178212	83.239	ng	97
57) 2,4-Dinitrotoluene	10.181	165	150617	48.977	ng	93
58) Fluorene	10.551	166	502278	42.645	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	127869	41.779	ng	99
60) Diethylphthalate	10.416	149	544599	45.728	ng	99
61) 4-Chlorophenyl-phenyle...	10.539	204	249527	42.547	ng	98
62) 4-Nitroaniline	10.551	138	100962	41.088	ng	97
63) Azobenzene	10.698	77	526694	42.433	ng	99
65) 4,6-Dinitro-2-methylph...	10.586	198	33389	25.377	ng	94
66) n-Nitrosodiphenylamine	10.651	169	447383	44.885	ng	99
67) 4-Bromophenyl-phenylether	11.028	248	146549	43.444	ng	98
68) Hexachlorobenzene	11.104	284	147292	41.776	ng	97
69) Atrazine	11.175	200	131257	47.766	ng	99
70) Pentachlorophenol	11.292	266	188434	90.879	ng	99
71) Phenanthrene	11.510	178	668111	44.454	ng	100
72) Anthracene	11.563	178	682371	44.517	ng	100
73) Carbazole	11.716	167	660341	49.336	ng	100
74) Di-n-butylphthalate	12.039	149	786829	51.954	ng	100
75) Fluoranthene	12.704	202	750745	54.421	ng	100
77) Benzidine	12.816	184	211770	21.943	ng	98
78) Pyrene	12.933	202	781335	36.547	ng	100
80) Butylbenzylphthalate	13.539	149	330811	50.533	ng	100
81) Benzo(a)anthracene	14.116	228	766834	45.724	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	204252	36.542	ng	99
83) Chrysene	14.157	228	668711	44.348	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	471777	47.612	ng	100
85) Di-n-octyl phthalate	14.716	149	818389	45.565	ng	99
87) Indeno(1,2,3-cd)pyrene	17.180	276	515888	35.286	ng	99
88) Benzo(b)fluoranthene	15.192	252	624363	49.292	ng	99
89) Benzo(k)fluoranthene	15.221	252	591595	52.340	ng	99
90) Benzo(a)pyrene	15.568	252	529389	45.362	ng	97
91) Dibenzo(a,h)anthracene	17.198	278	428090	35.974	ng	100
92) Benzo(g,h,i)perylene	17.645	276	398145	34.588	ng	99

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

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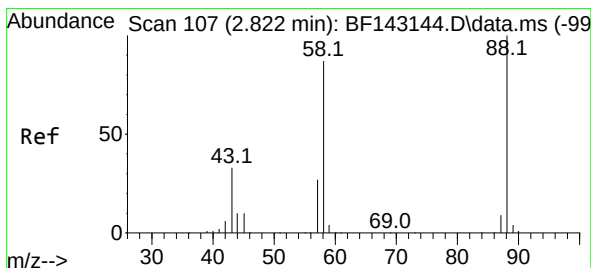
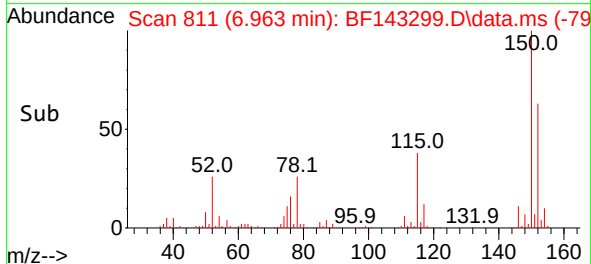
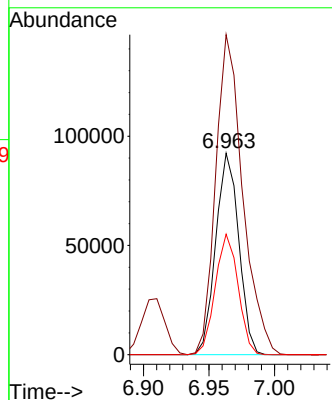
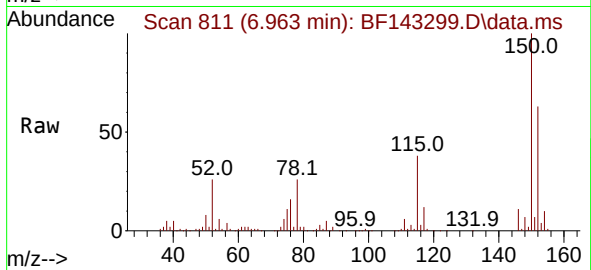




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF143299.D
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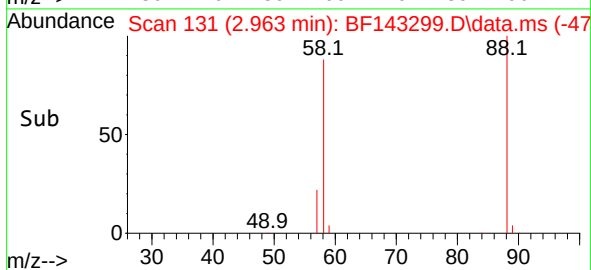
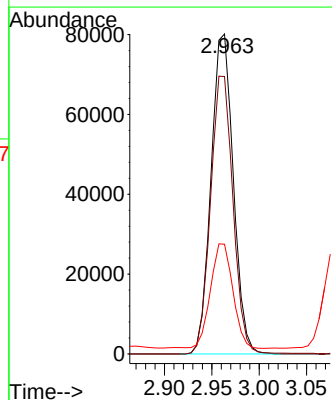
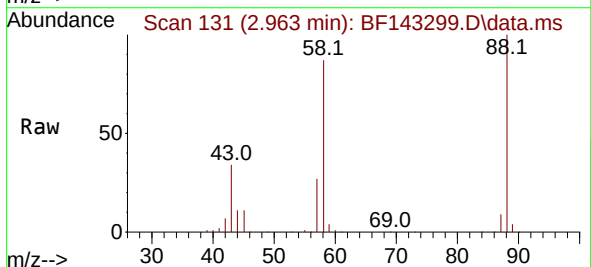
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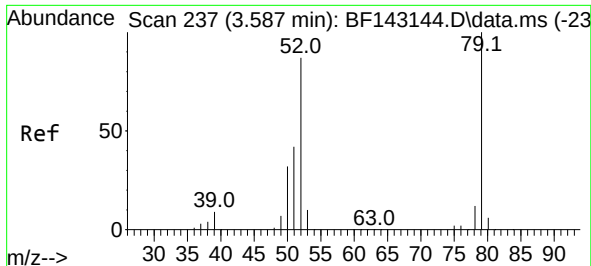
Tgt Ion:152 Resp: 112731
 Ion Ratio Lower Upper
 152 100
 150 158.8 128.2 192.4
 115 59.8 47.9 71.9



#2
 1,4-Dioxane
 Concen: 38.855 ng
 RT: 2.963 min Scan# 131
 Delta R.T. 0.141 min
 Lab File: BF143299.D
 Acq: 04 Aug 2025 16:36

Tgt Ion: 88 Resp: 130973
 Ion Ratio Lower Upper
 88 100
 58 87.7 70.2 105.2
 43 0.0 27.1 40.7#





#3

Pyridine

Concen: 34.910 ng

RT: 3.681 min Scan# 2

Delta R.T. 0.094 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

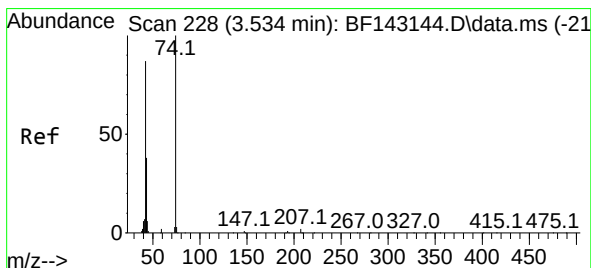
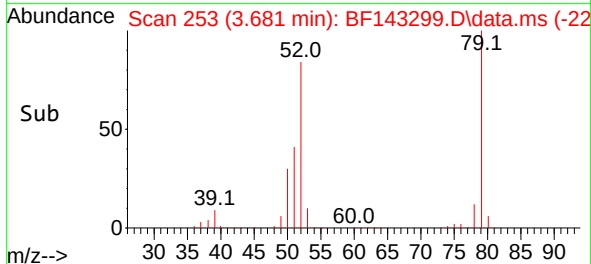
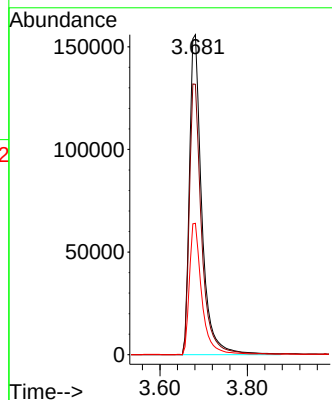
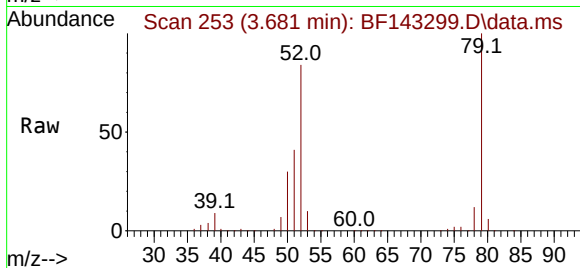
Tgt Ion: 79 Resp: 305432

Ion Ratio Lower Upper

79 100

52 84.5 69.4 104.2

51 41.1 33.5 50.3



#4

n-Nitrosodimethylamine

Concen: 41.918 ng

RT: 3.610 min Scan# 241

Delta R.T. 0.077 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

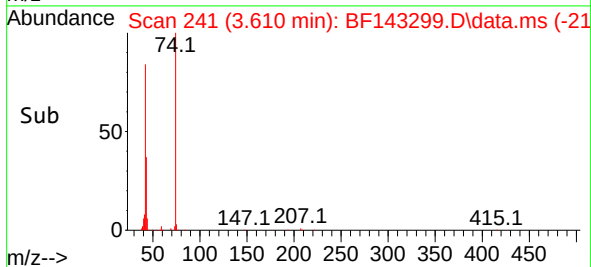
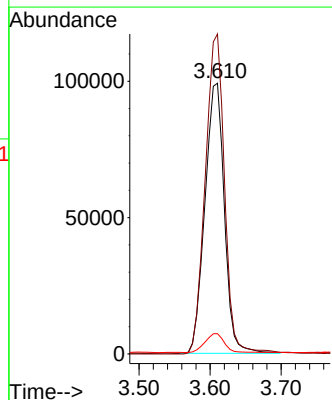
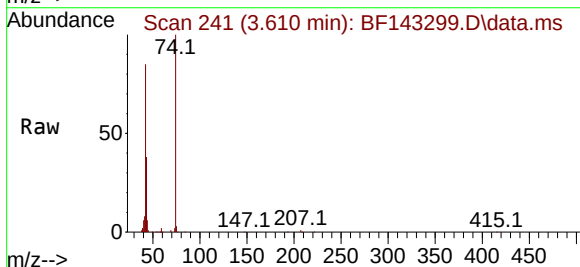
Tgt Ion: 42 Resp: 189351

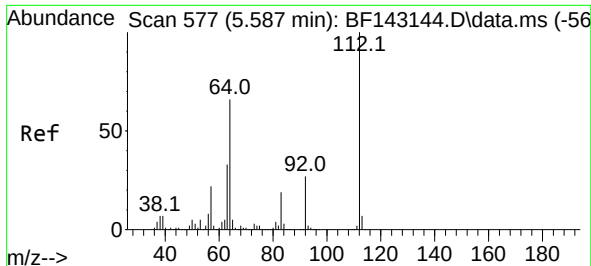
Ion Ratio Lower Upper

42 100

74 118.2 91.7 137.5

44 7.5 5.6 8.4

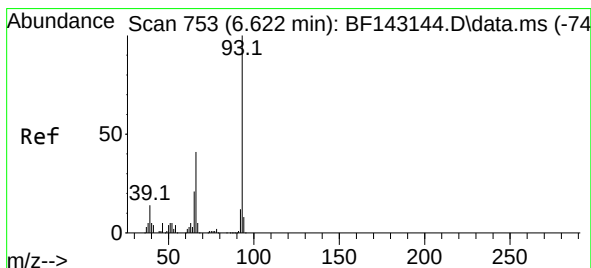
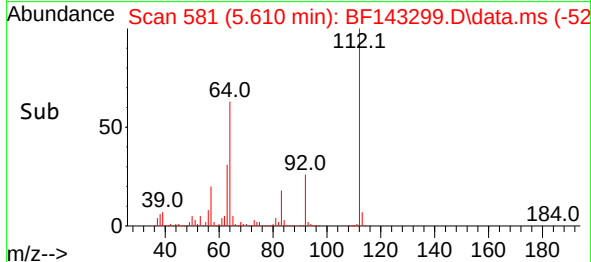
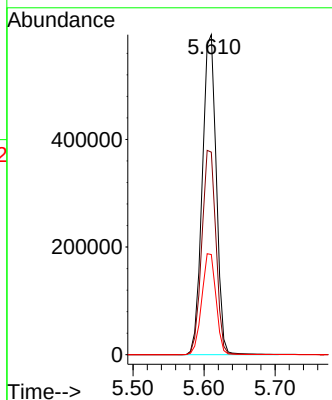
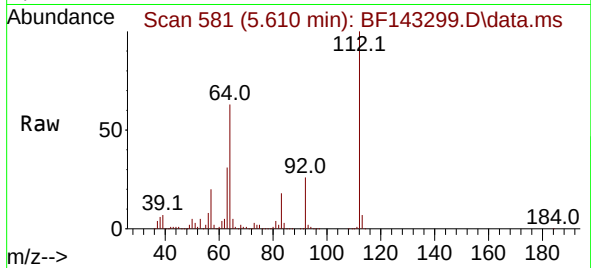




#5
2-Fluorophenol
Concen: 114.717 ng
RT: 5.610 min Scan# 581
Delta R.T. 0.024 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

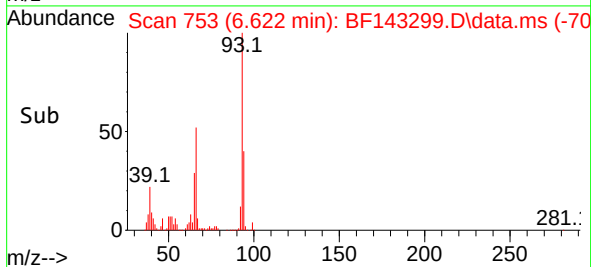
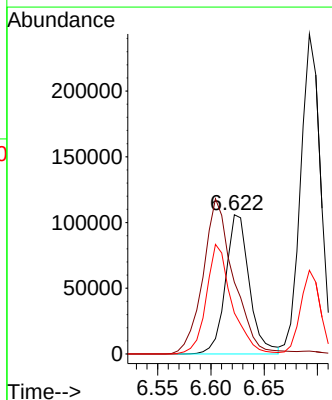
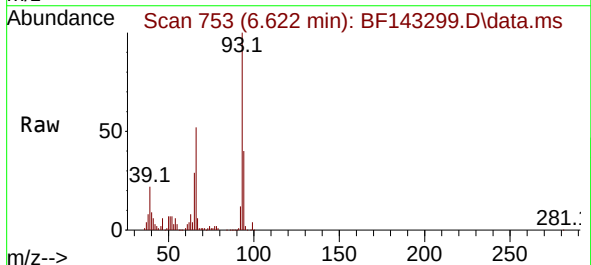
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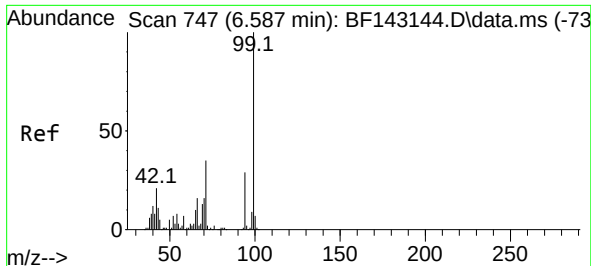
Tgt Ion:112 Resp: 817220
Ion Ratio Lower Upper
112 100
64 63.3 53.1 79.7
63 31.3 26.6 40.0



#6
Aniline
Concen: 13.178 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion: 93 Resp: 164682
Ion Ratio Lower Upper
93 100
66 51.5 33.2 49.8#
65 29.4 16.9 25.3#

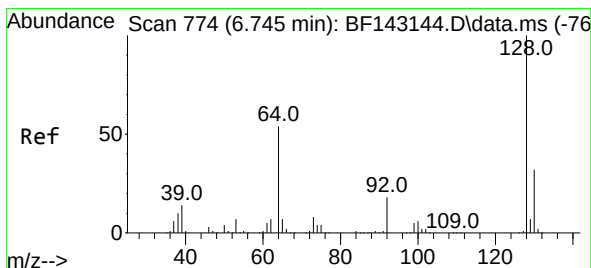
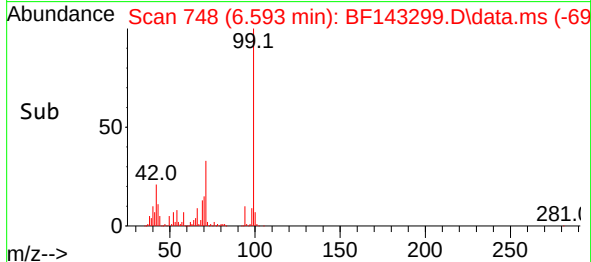
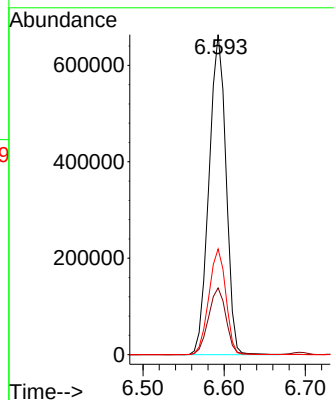
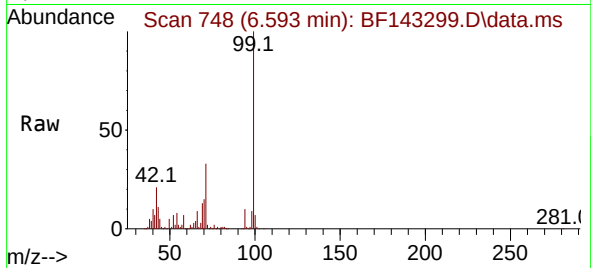




#7
Phenol-d6
Concen: 107.586 ng
RT: 6.593 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

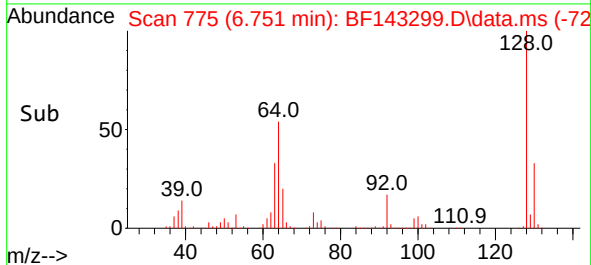
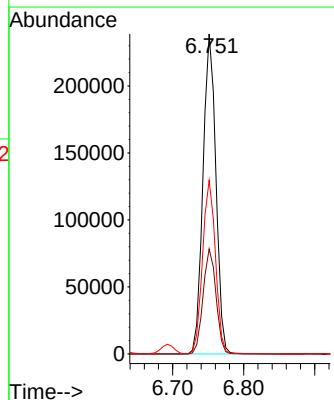
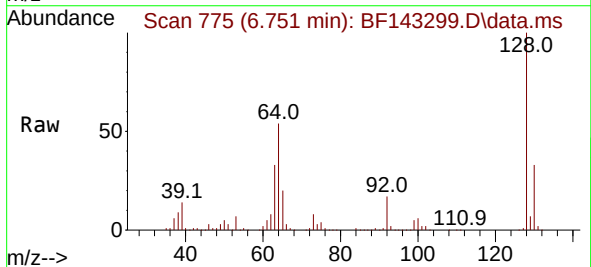
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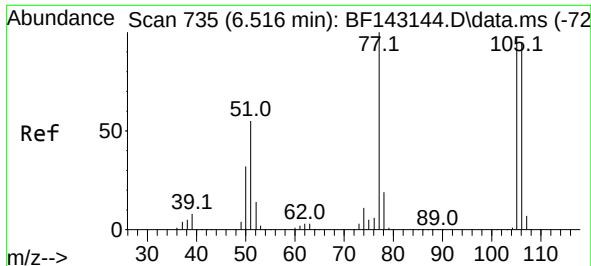
Tgt Ion: 99 Resp: 964675
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 33.0 27.7 41.5



#8
2-Chlorophenol
Concen: 40.535 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion: 128 Resp: 302683
Ion Ratio Lower Upper
128 100
130 32.8 12.3 52.3
64 54.3 35.9 75.9

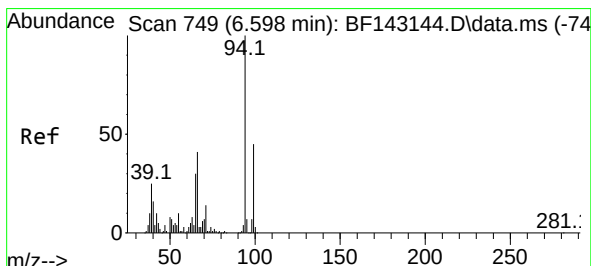
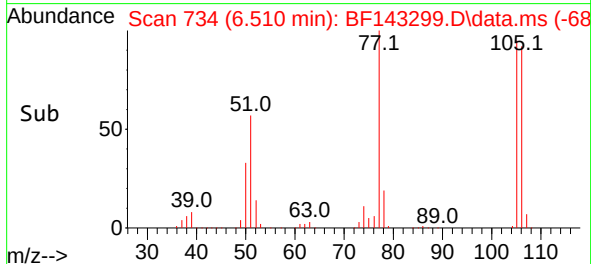
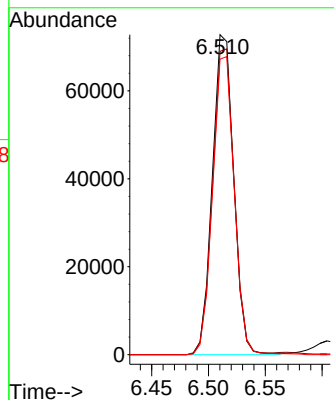
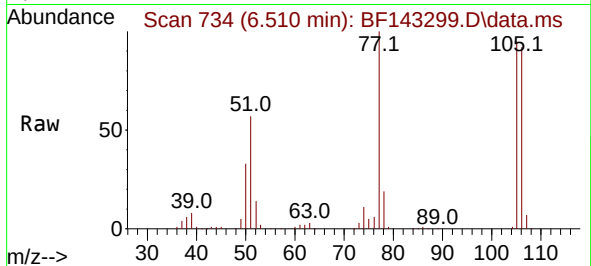




#9
Benzaldehyde
Concen: 14.153 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

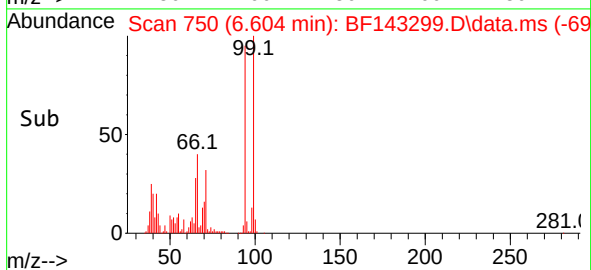
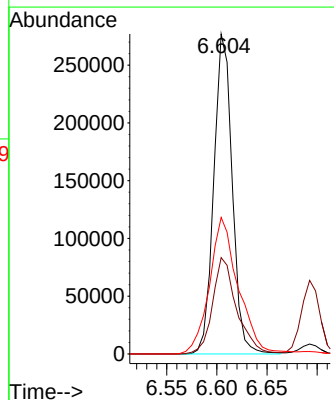
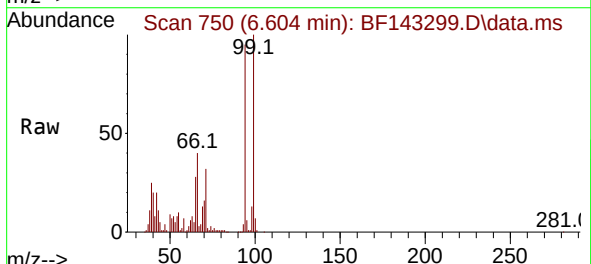
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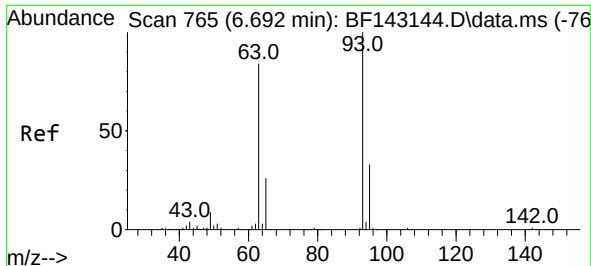
Tgt Ion: 77 Resp: 95159
Ion Ratio Lower Upper
77 100
105 94.8 76.8 116.8
106 92.3 74.4 114.4



#10
Phenol
Concen: 36.262 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143299.D
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Tgt Ion: 94 Resp: 354216
Ion Ratio Lower Upper
94 100
65 30.1 10.0 50.0
66 42.6 20.8 60.8

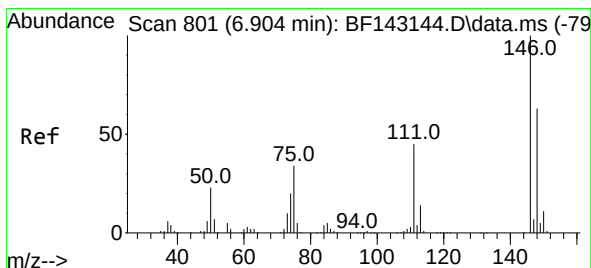
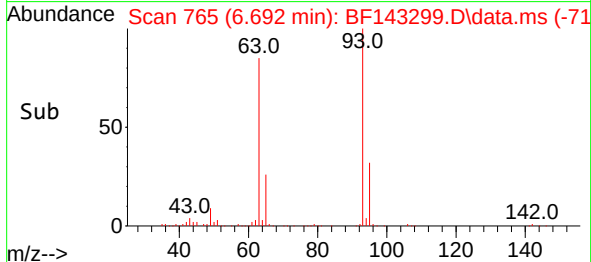
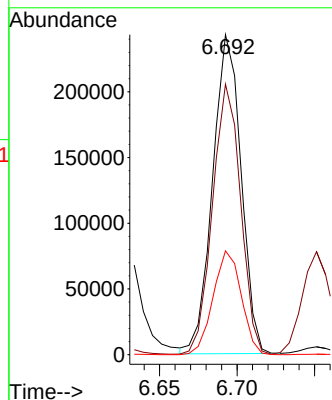
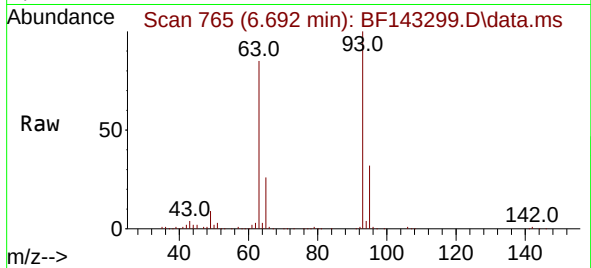




#11
bis(2-Chloroethyl)ether
Concen: 41.402 ng
RT: 6.692 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

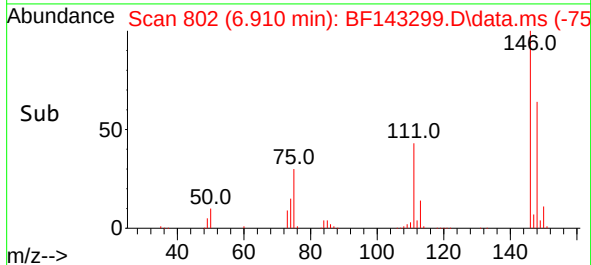
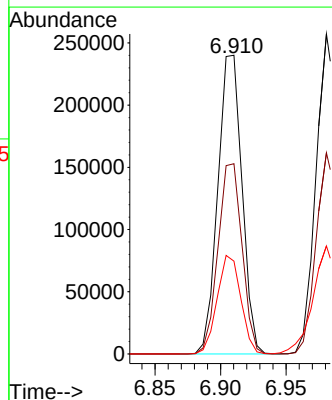
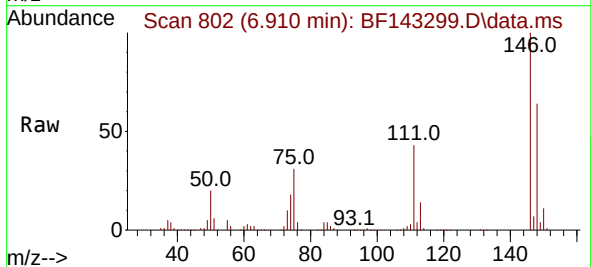
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

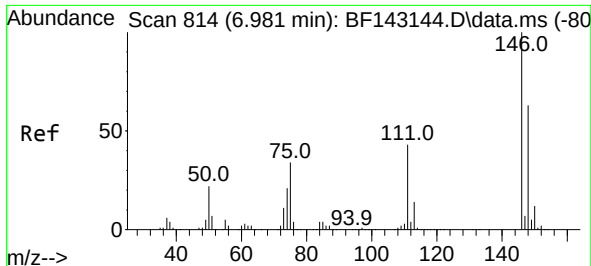
Tgt Ion: 93 Resp: 309656
Ion Ratio Lower Upper
93 100
63 84.5 63.4 103.4
95 32.4 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 37.898 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion: 146 Resp: 307415
Ion Ratio Lower Upper
146 100
148 63.7 50.6 76.0
75 31.1 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 38.000 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

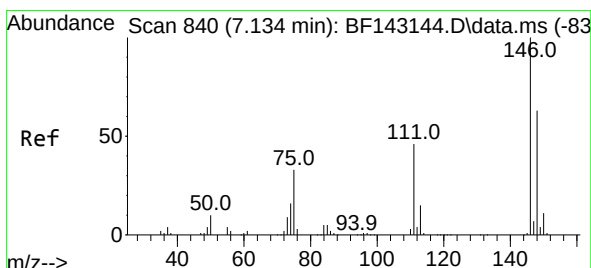
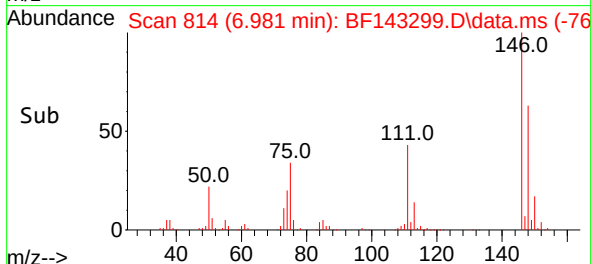
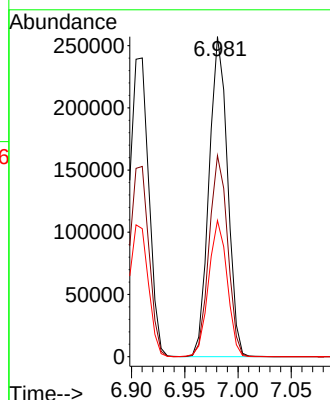
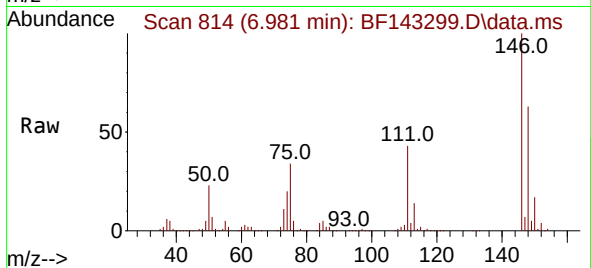
Tgt Ion:146 Resp: 310422

Ion Ratio Lower Upper

146 100

148 62.9 50.3 75.5

111 42.6 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 38.642 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

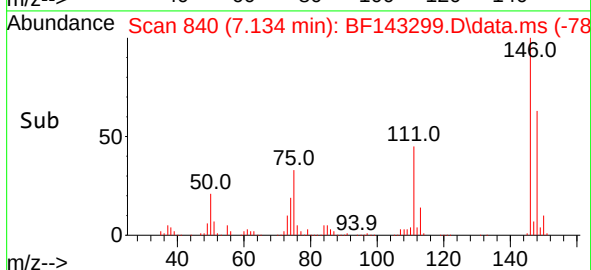
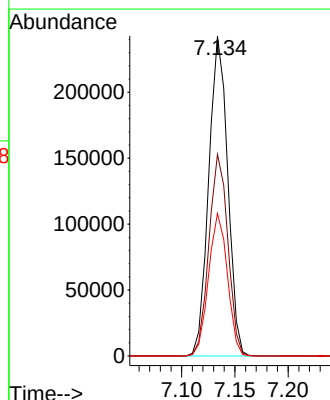
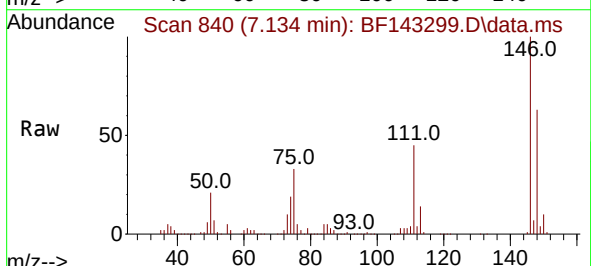
Tgt Ion:146 Resp: 300238

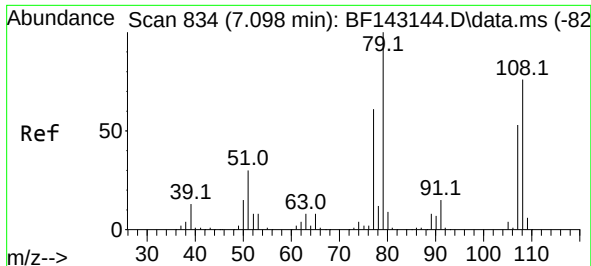
Ion Ratio Lower Upper

146 100

148 63.0 50.7 76.1

111 44.6 36.6 54.8



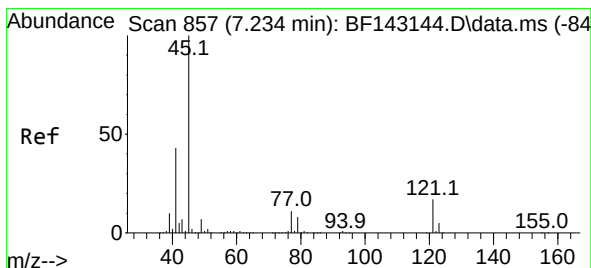
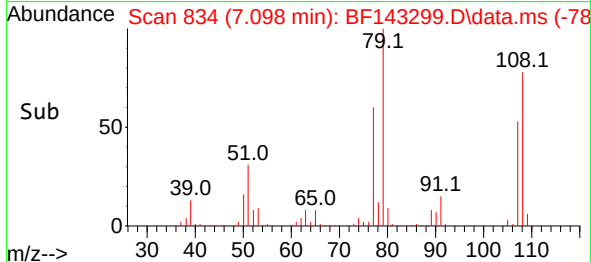
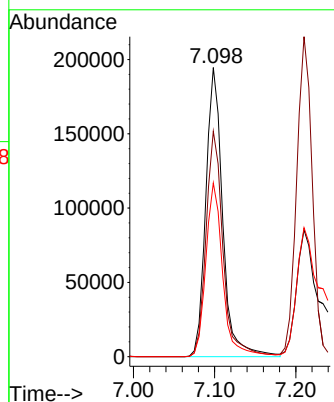
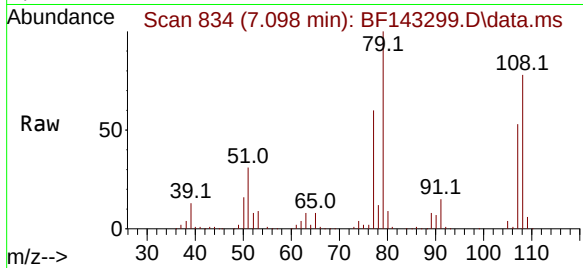


#15
Benzyl Alcohol
Concen: 40.981 ng
RT: 7.098 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion: 79 Resp: 280576

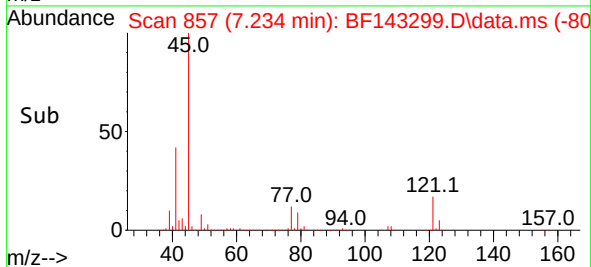
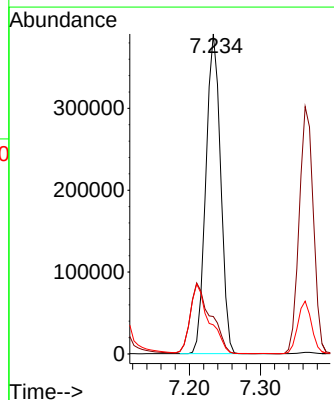
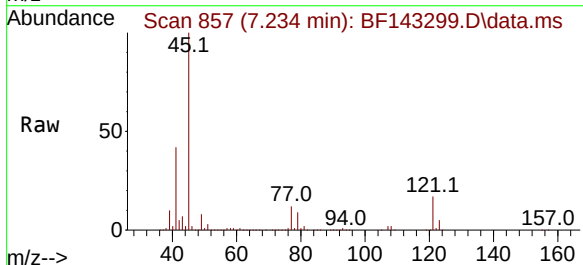
Ion	Ratio	Lower	Upper
79	100		
108	77.9	61.1	91.7
77	60.1	48.9	73.3

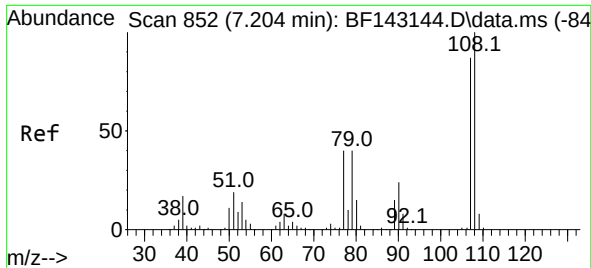


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.628 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion: 45 Resp: 563682

Ion	Ratio	Lower	Upper
45	100		
77	11.7	0.0	31.2
79	9.1	0.0	28.5

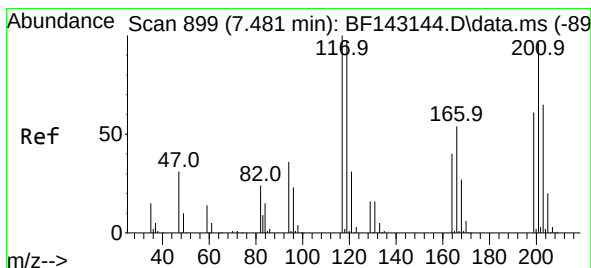
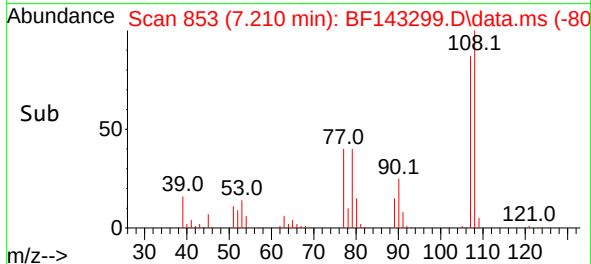
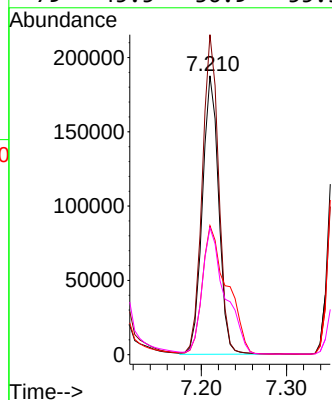
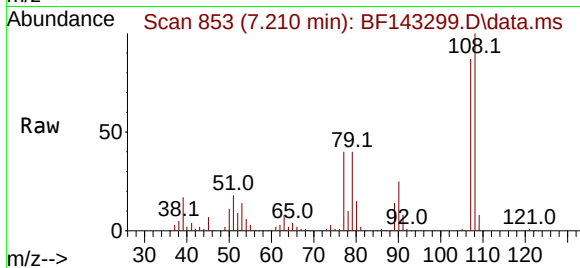




#17
2-Methylphenol
Concen: 39.730 ng
RT: 7.210 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

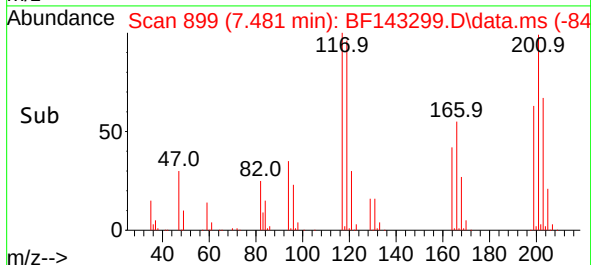
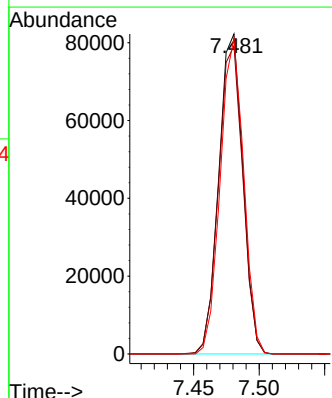
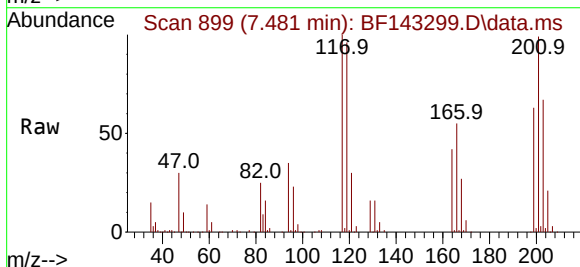
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

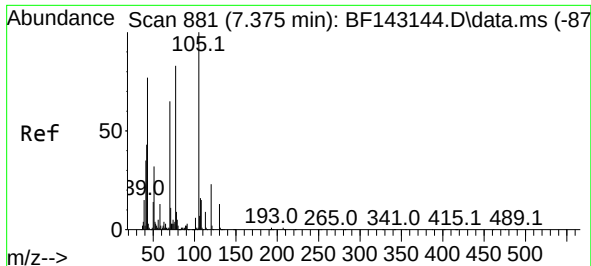
Tgt Ion:	107	Resp:	249445
Ion	Ratio	Lower	Upper
107	100		
108	114.8	91.8	137.6
77	46.3	37.0	55.6
79	45.5	36.9	55.3



#18
Hexachloroethane
Concen: 37.128 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion:	117	Resp:	104997
Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.8	116.8
201	98.7	77.0	115.4

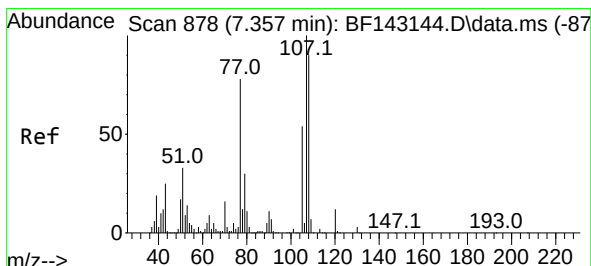
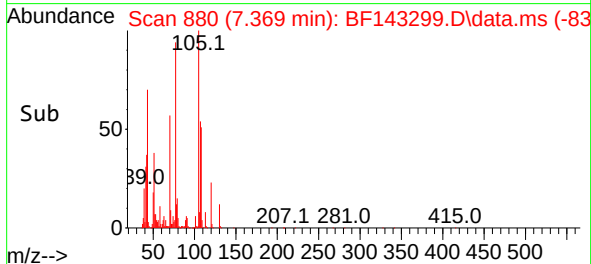
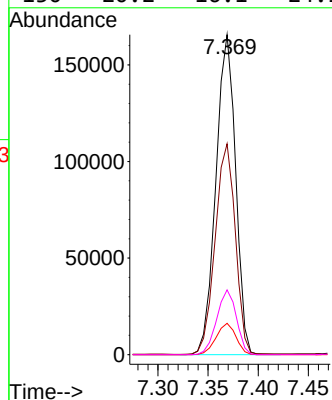
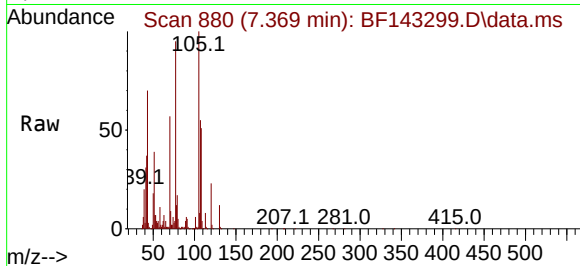




#19
n-Nitroso-di-n-propylamine
Concen: 39.361 ng
RT: 7.369 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

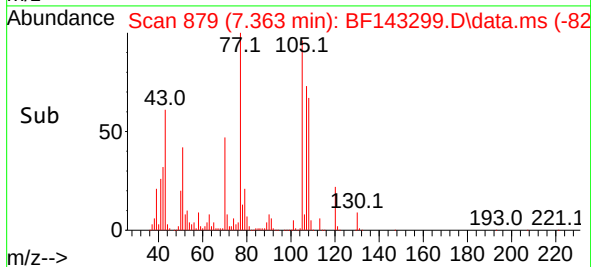
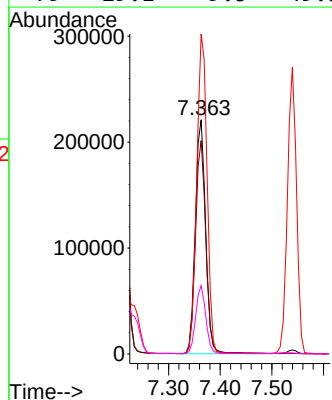
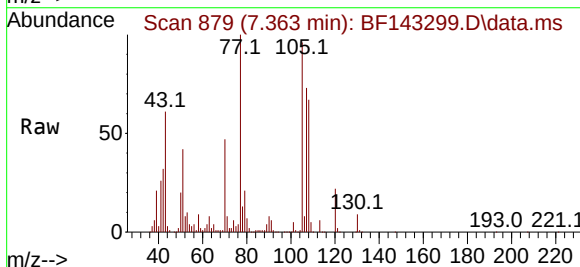
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

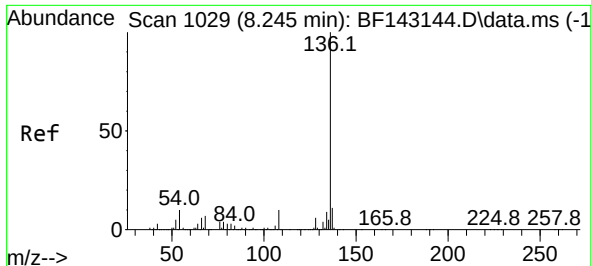
Tgt Ion:	70	Resp:	226431
Ion	Ratio	Lower	Upper
70	100		
42	65.9	52.5	78.7
101	9.8	7.6	11.4
130	20.2	16.1	24.1



#20
3+4-Methylphenols
Concen: 40.247 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion:	107	Resp:	306583
Ion	Ratio	Lower	Upper
107	100		
108	91.2	70.0	110.0
77	136.6	57.8	97.8#
79	29.1	9.5	49.5

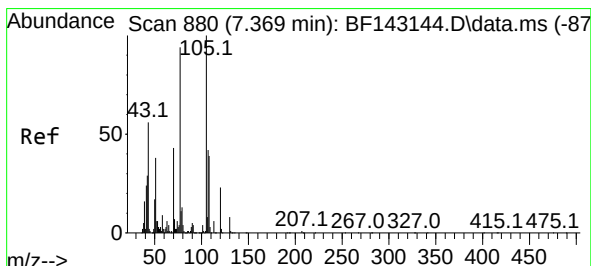
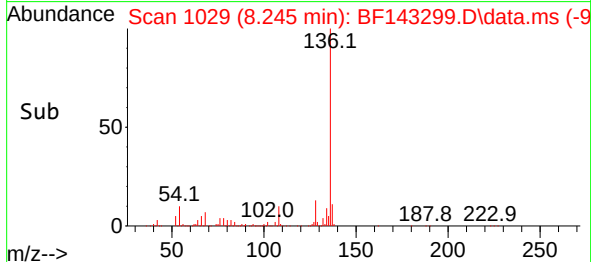
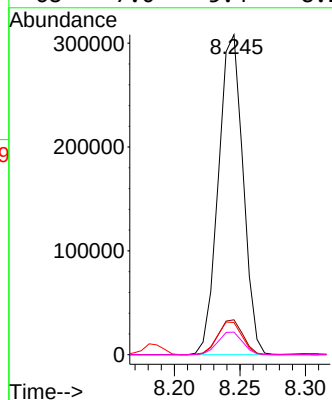
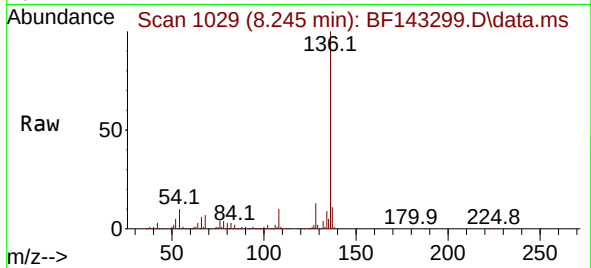




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

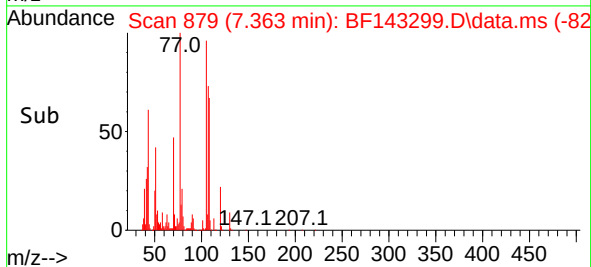
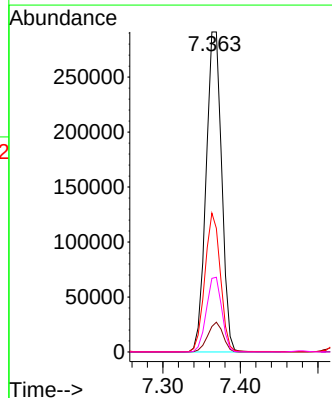
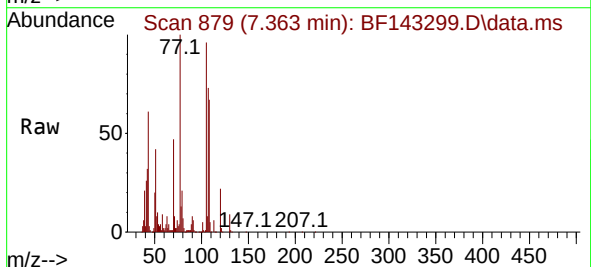
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

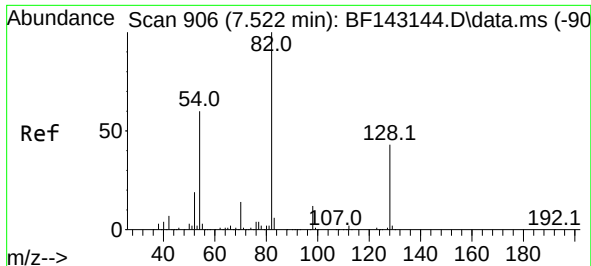
Tgt Ion:	136	Resp:	401929
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.1	8.2	12.2
68	7.0	5.4	8.2



#22
Acetophenone
Concen: 42.808 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion:	105	Resp:	407354
Ion	Ratio	Lower	Upper
105	100		
71	8.0	5.8	8.6
51	43.4	30.2	45.2
120	23.0	18.2	27.4





#23

Nitrobenzene-d5

Concen: 86.267 ng

RT: 7.522 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

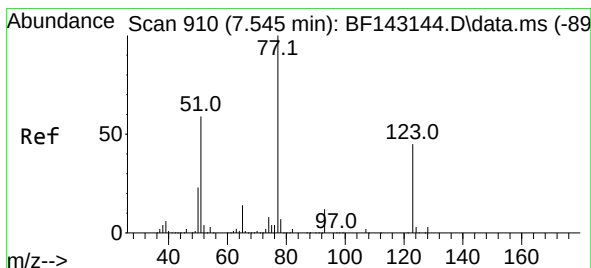
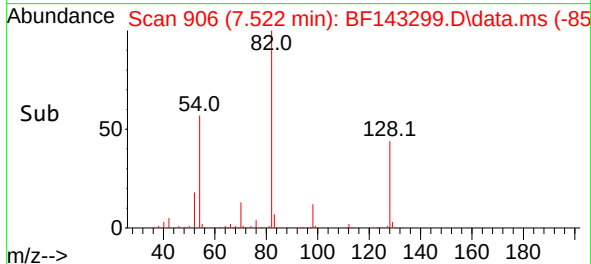
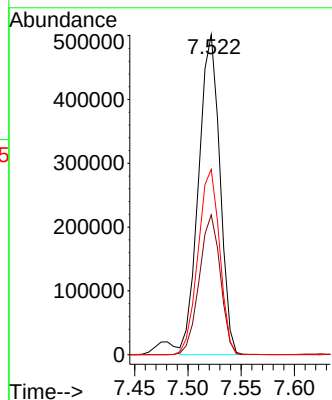
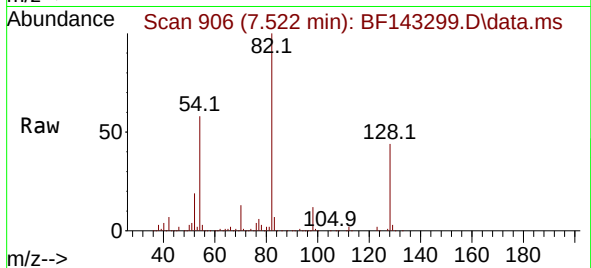
Tgt Ion: 82 Resp: 695596

Ion Ratio Lower Upper

82 100

128 43.7 33.6 50.4

54 57.9 47.1 70.7



#24

Nitrobenzene

Concen: 43.865 ng

RT: 7.540 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

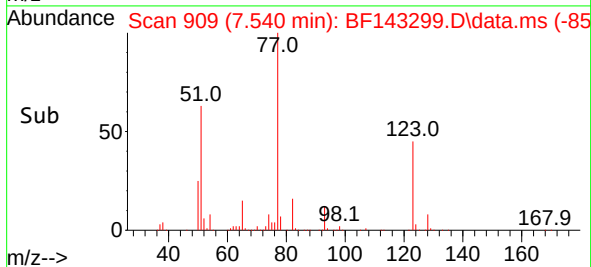
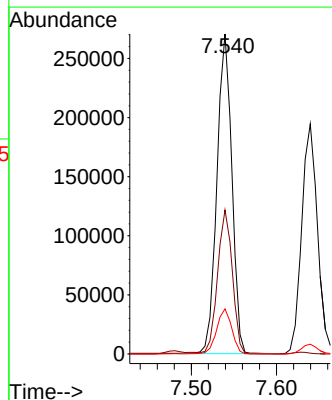
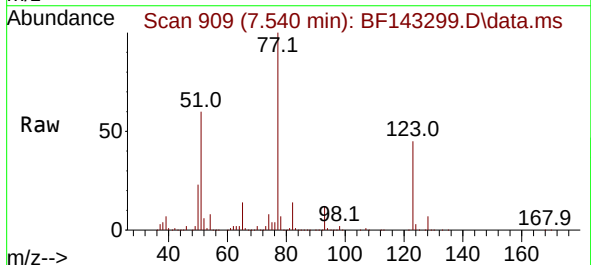
Tgt Ion: 77 Resp: 329751

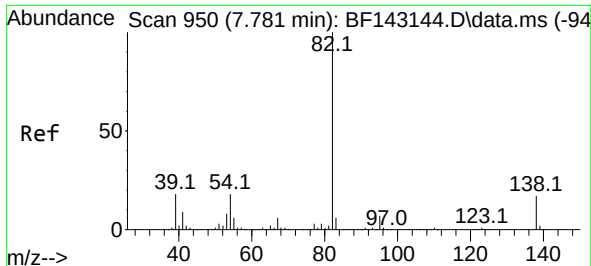
Ion Ratio Lower Upper

77 100

123 45.0 36.1 54.1

65 14.1 11.4 17.2

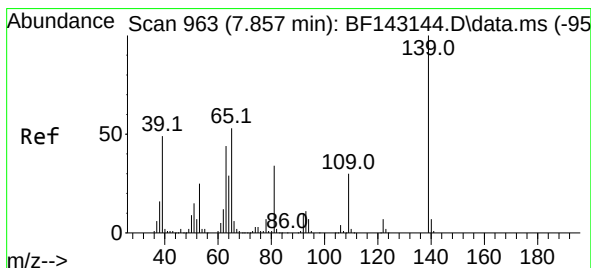
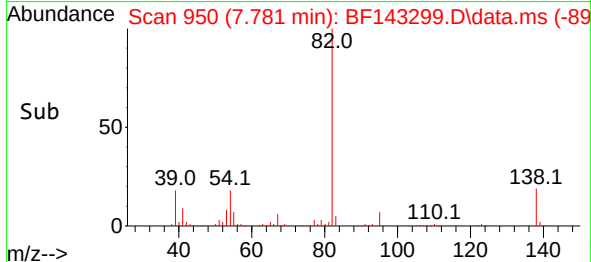
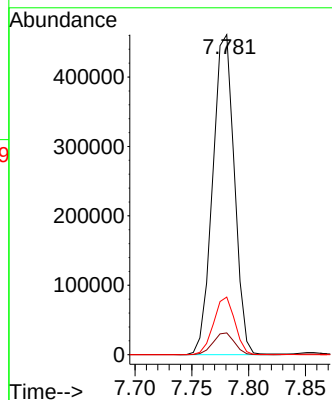
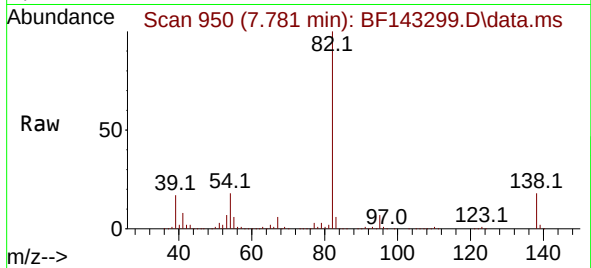




#25
Isophorone
Concen: 42.935 ng
RT: 7.781 min Scan# 911
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

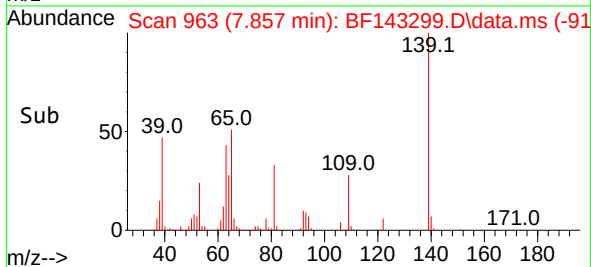
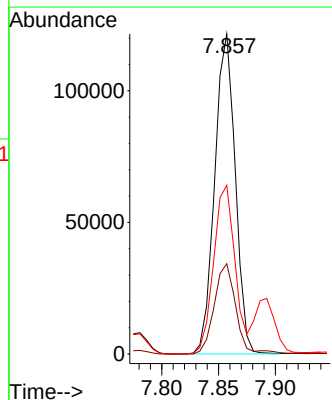
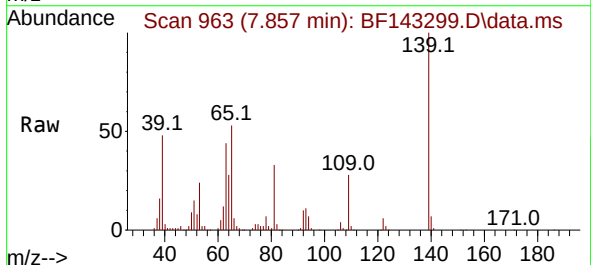
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

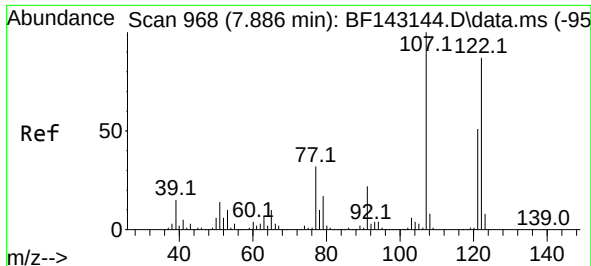
Tgt Ion: 82 Resp: 611142
Ion Ratio Lower Upper
82 100
95 6.8 5.5 8.3
138 18.0 13.8 20.8



#26
2-Nitrophenol
Concen: 46.924 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion:139 Resp: 153093
Ion Ratio Lower Upper
139 100
109 28.2 23.6 35.4
65 52.7 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 41.573 ng

RT: 7.892 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

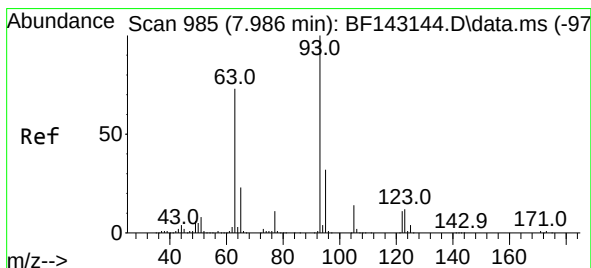
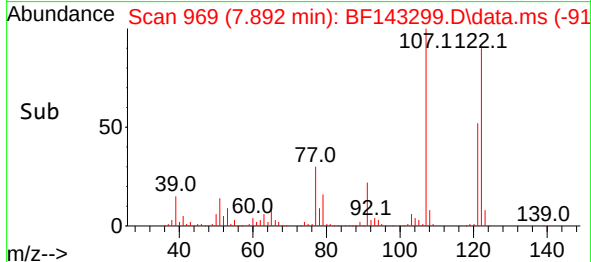
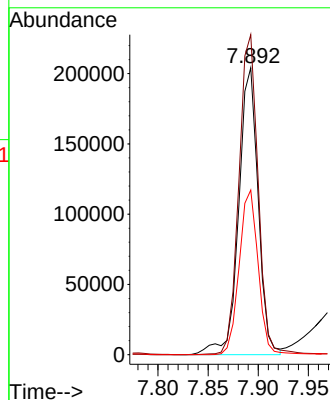
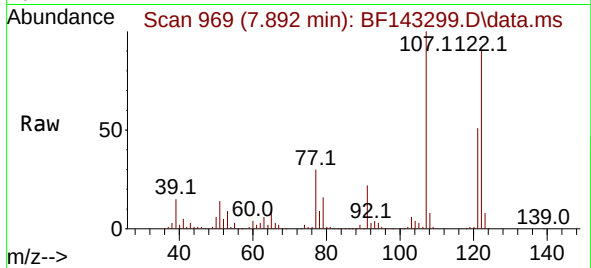
Tgt Ion:122 Resp: 276478

Ion Ratio Lower Upper

122 100

107 111.6 91.8 137.6

121 57.4 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 43.746 ng

RT: 7.981 min Scan# 984

Delta R.T. -0.006 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

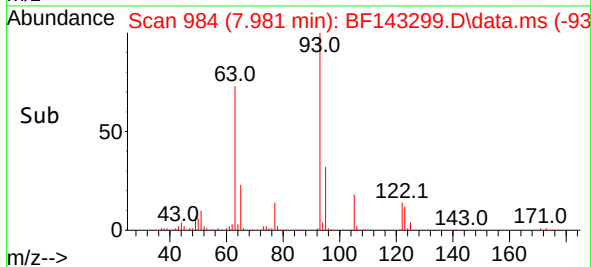
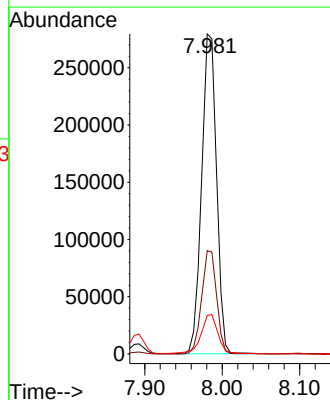
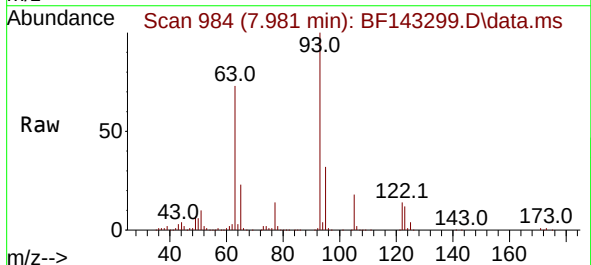
Tgt Ion: 93 Resp: 373342

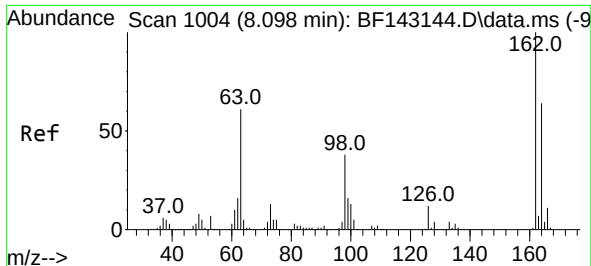
Ion Ratio Lower Upper

93 100

95 32.3 25.8 38.6

123 12.0 9.7 14.5

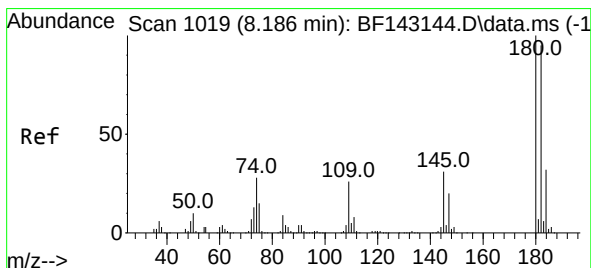
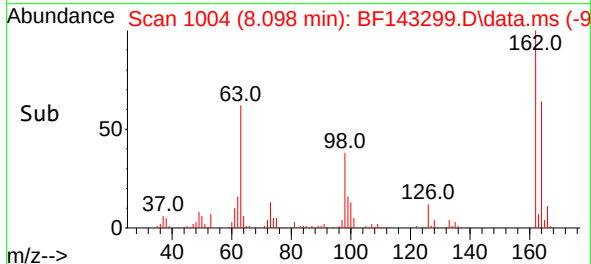
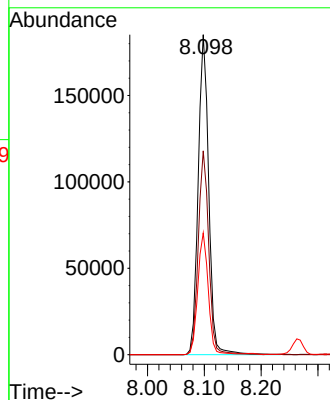
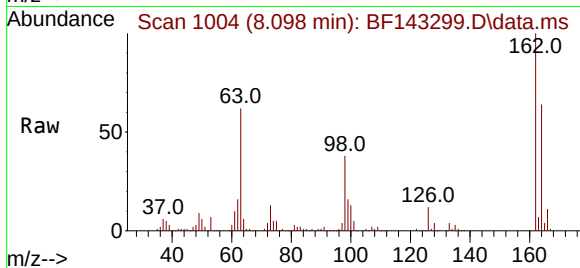




#29
2,4-Dichlorophenol
Concen: 42.766 ng
RT: 8.098 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

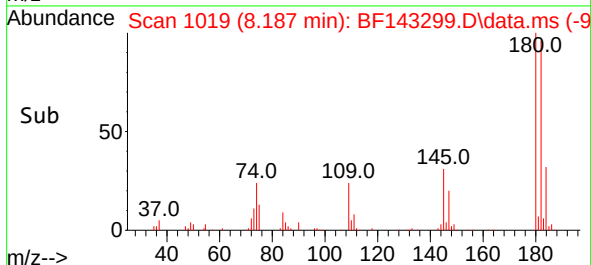
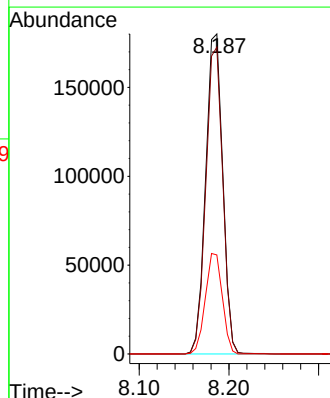
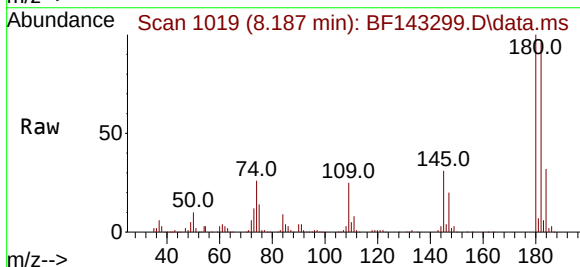
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

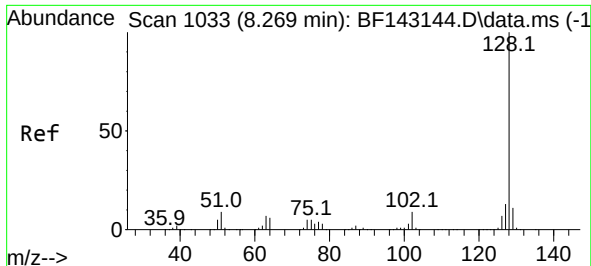
Tgt Ion:162 Resp: 239851
Ion Ratio Lower Upper
162 100
164 63.7 44.2 84.2
98 38.1 17.9 57.9



#30
1,2,4-Trichlorobenzene
Concen: 39.330 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion:180 Resp: 238305
Ion Ratio Lower Upper
180 100
182 95.8 76.2 114.2
145 30.9 25.0 37.6

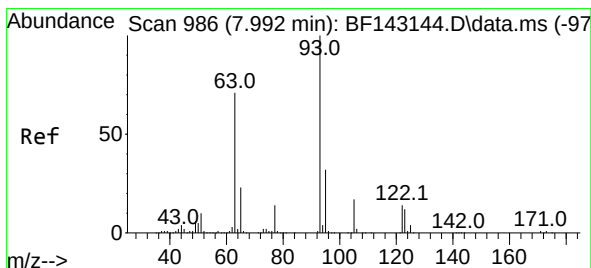
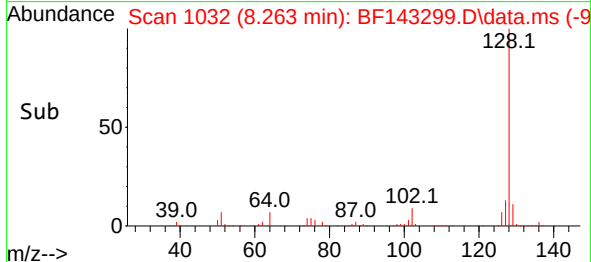
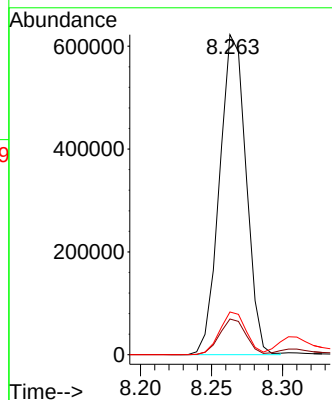
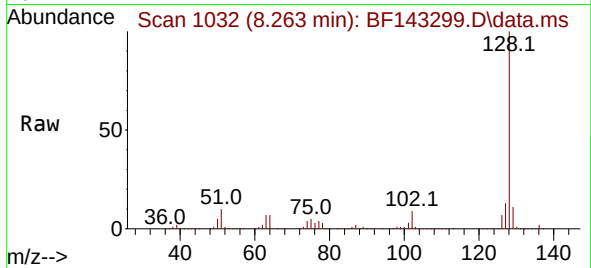




#31
Naphthalene
Concen: 40.848 ng
RT: 8.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

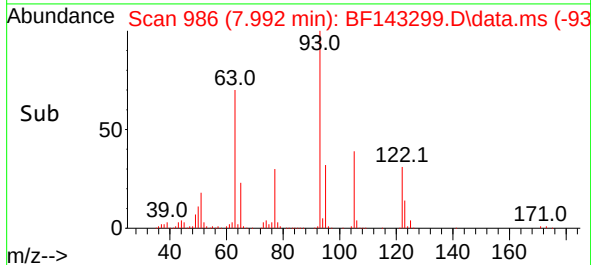
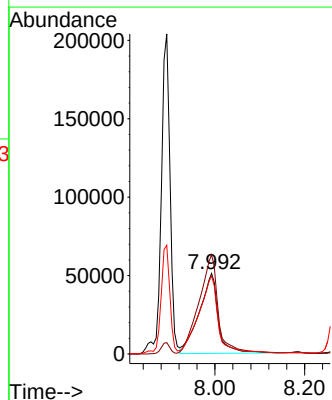
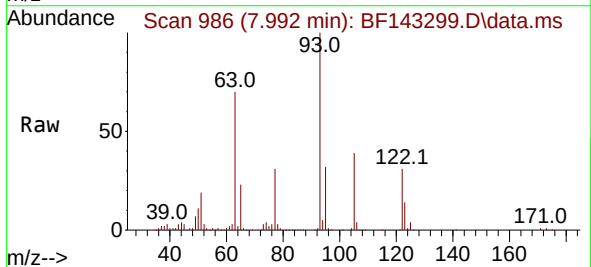
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

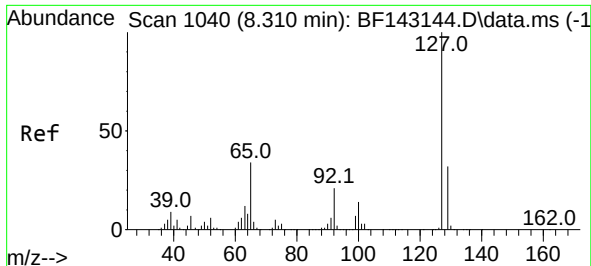
Tgt Ion:128 Resp: 808575
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.3 10.6 16.0



#32
Benzoic acid
Concen: 41.102 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion:122 Resp: 150849
Ion Ratio Lower Upper
122 100
105 123.3 104.8 144.8
77 97.1 77.6 117.6

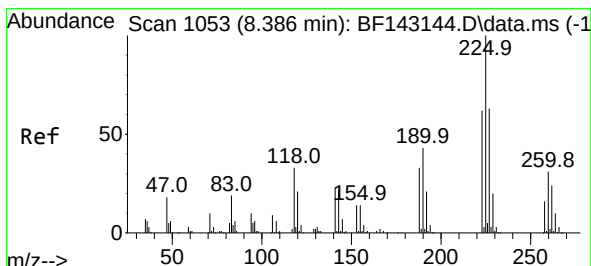
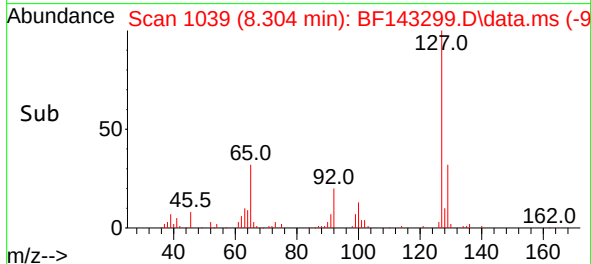
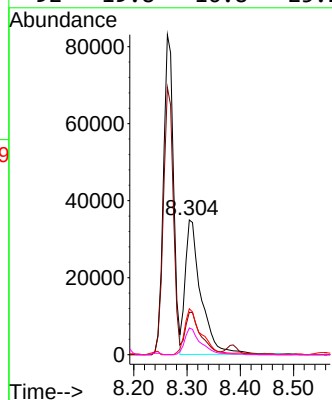
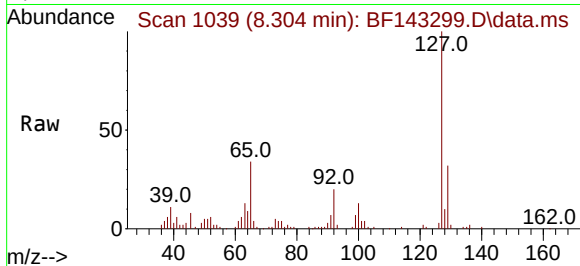




#33
4-Chloroaniline
Concen: 8.912 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

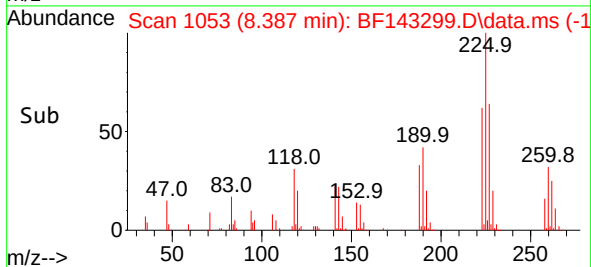
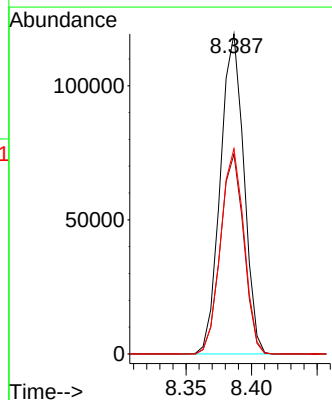
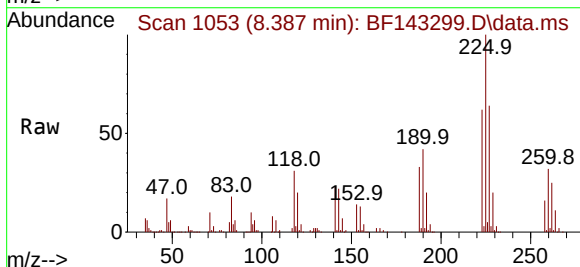
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

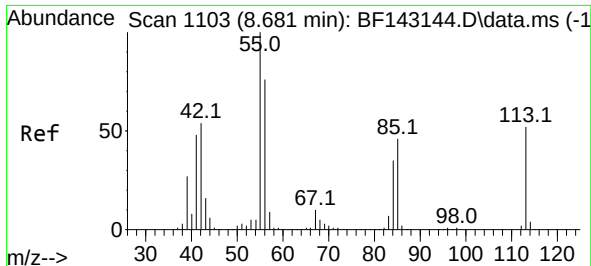
Tgt Ion:	127	Resp:	72031
Ion	Ratio	Lower	Upper
127	100		
129	31.5	26.0	39.0
65	34.1	27.4	41.2
92	19.8	16.8	25.2



#34
Hexachlorobutadiene
Concen: 40.118 ng
RT: 8.387 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion:	225	Resp:	148491
Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.8	74.6
227	64.1	50.2	75.4

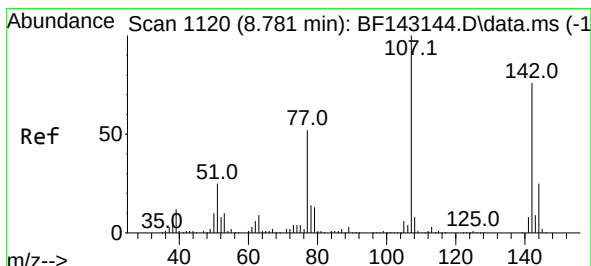
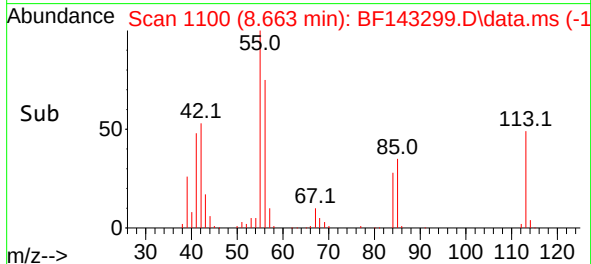
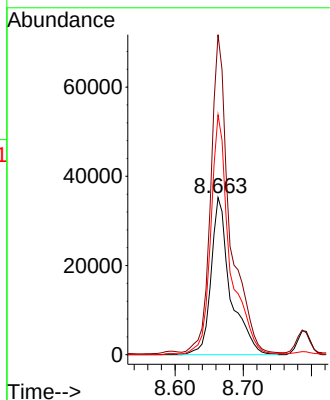
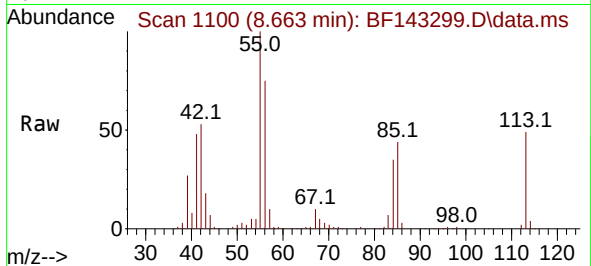




#35
Caprolactam
Concen: 41.060 ng
RT: 8.663 min Scan# 1100
Delta R.T. -0.018 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

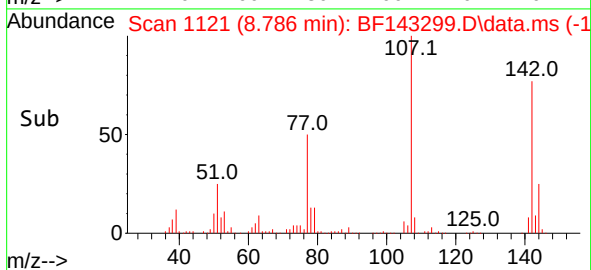
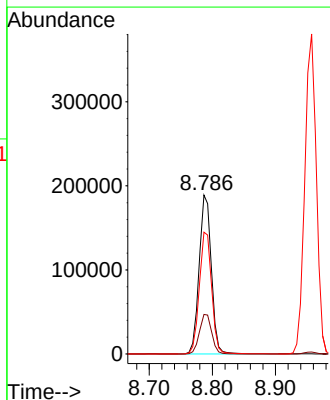
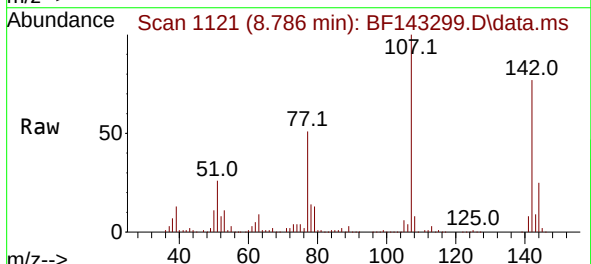
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

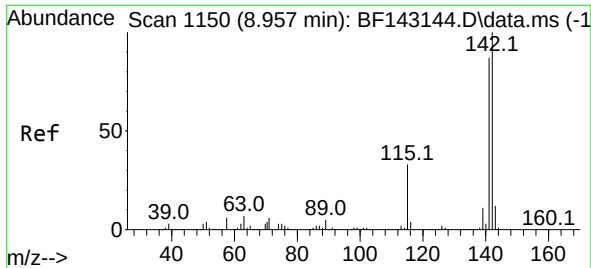
Tgt Ion:113 Resp: 69587
Ion Ratio Lower Upper
113 100
55 203.7 174.0 214.0
56 152.6 126.6 166.6



#36
4-Chloro-3-methylphenol
Concen: 41.606 ng
RT: 8.786 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion:107 Resp: 253624
Ion Ratio Lower Upper
107 100
144 24.9 19.8 29.6
142 76.6 60.6 90.8

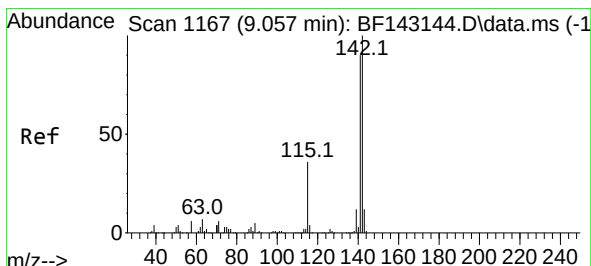
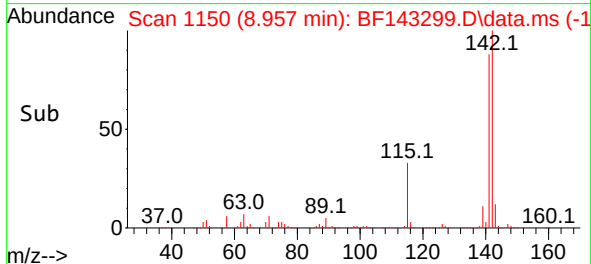
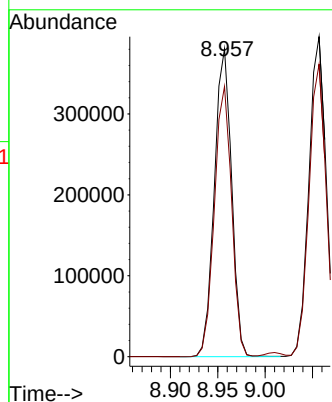
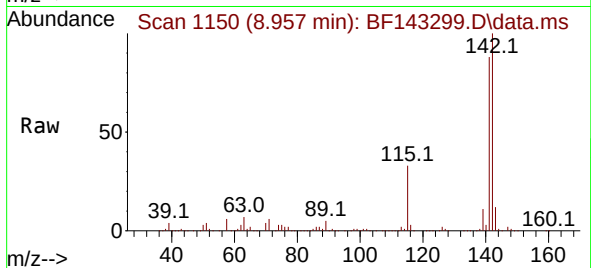




#37
2-Methylnaphthalene
Concen: 40.025 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

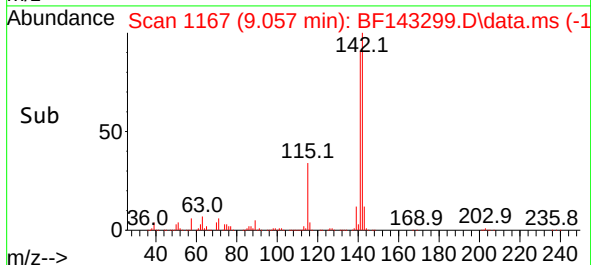
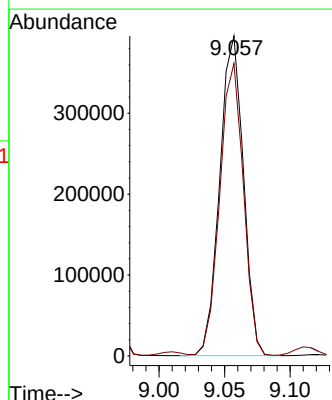
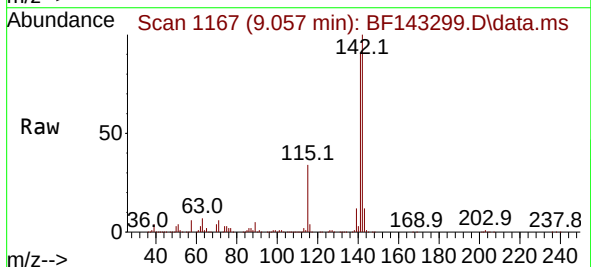
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

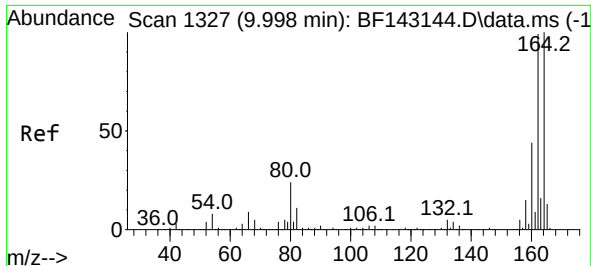
Tgt Ion:142 Resp: 482106
Ion Ratio Lower Upper
142 100
141 87.7 69.9 104.9



#38
1-Methylnaphthalene
Concen: 39.998 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion:142 Resp: 496123
Ion Ratio Lower Upper
142 100
141 91.4 72.3 108.5

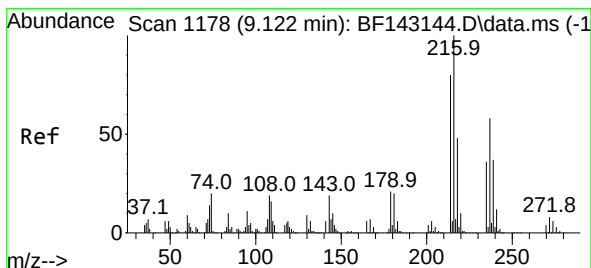
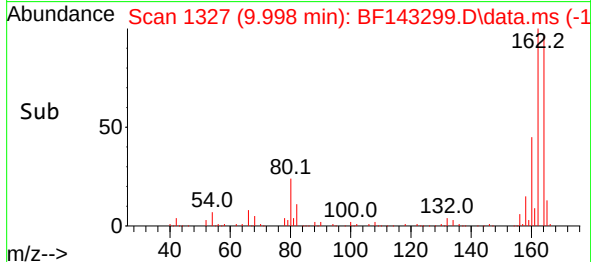
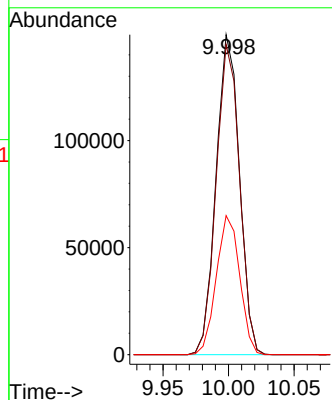
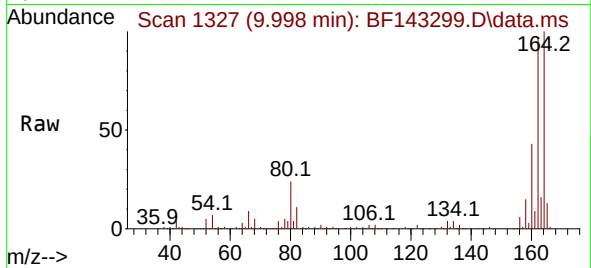




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

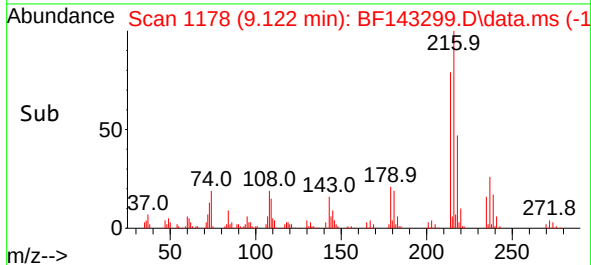
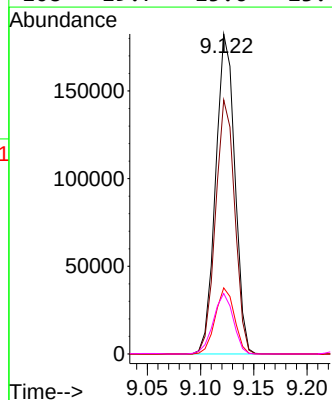
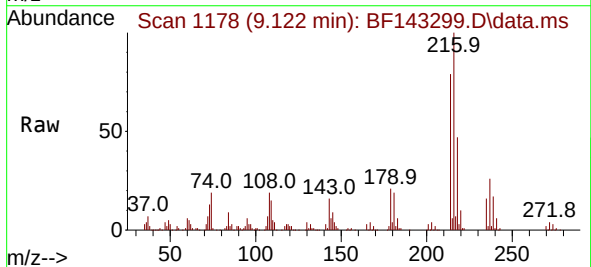
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

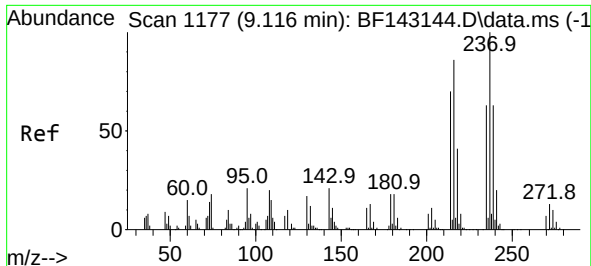
Tgt Ion:164 Resp: 184855
Ion Ratio Lower Upper
164 100
162 96.9 79.0 118.6
160 43.5 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.828 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion:216 Resp: 228572
Ion Ratio Lower Upper
216 100
214 79.4 63.8 95.8
179 20.5 16.4 24.6
108 19.7 15.6 23.4

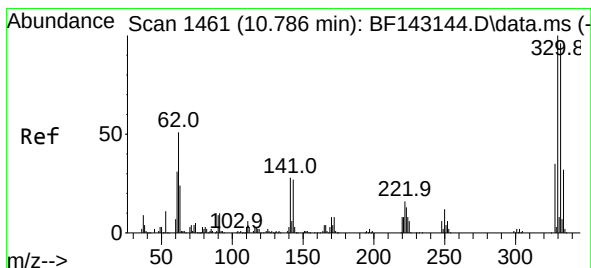
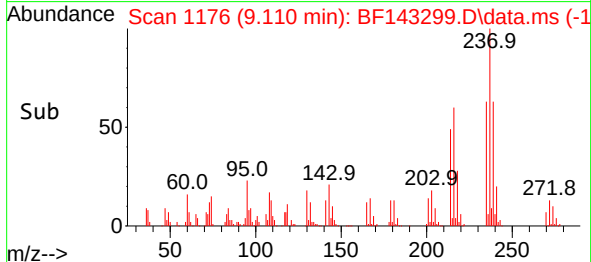
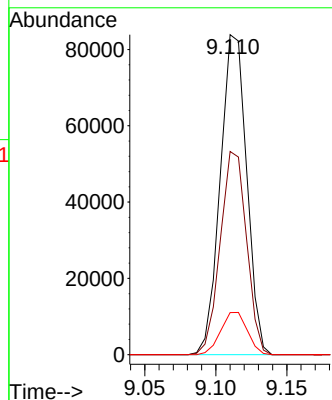
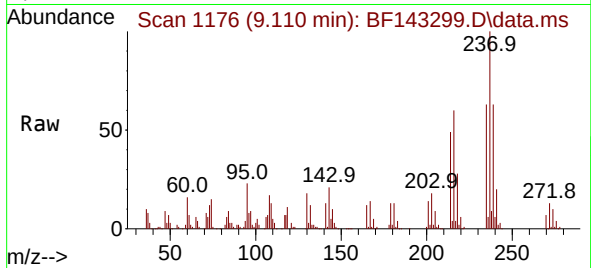




#41
Hexachlorocyclopentadiene
Concen: 31.279 ng
RT: 9.110 min Scan# 1177
Delta R.T. -0.006 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

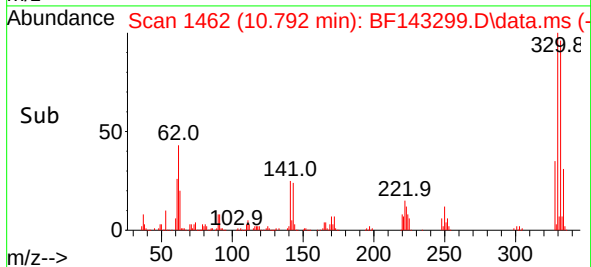
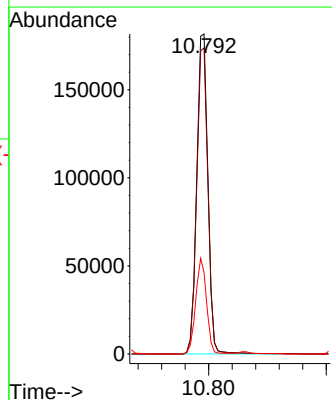
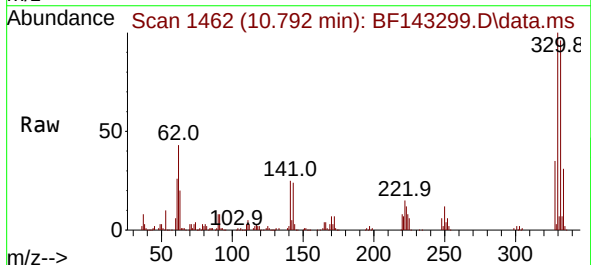
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

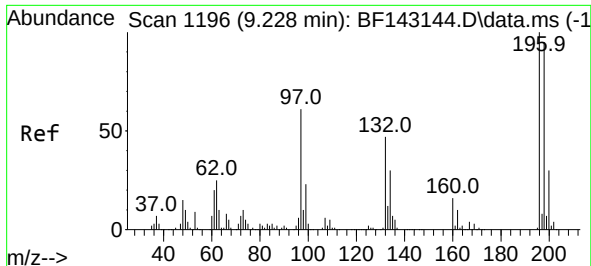
Tgt Ion:237 Resp: 108621
Ion Ratio Lower Upper
237 100
235 63.5 43.0 83.0
272 13.2 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 125.787 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion:330 Resp: 240209
Ion Ratio Lower Upper
330 100
332 95.7 76.7 115.1
141 29.0 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 42.014 ng

RT: 9.234 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

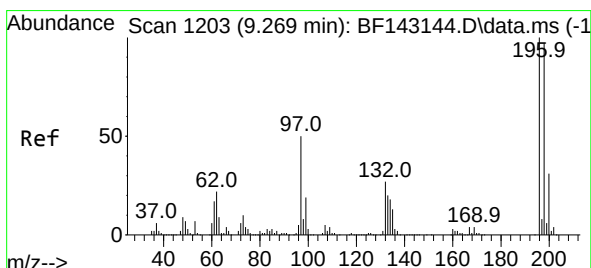
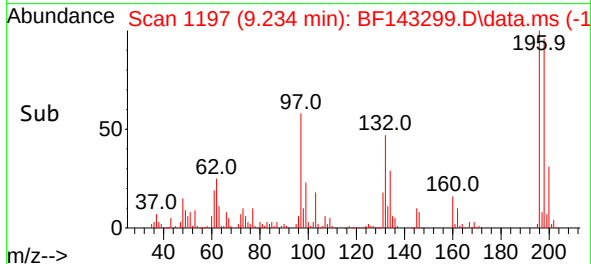
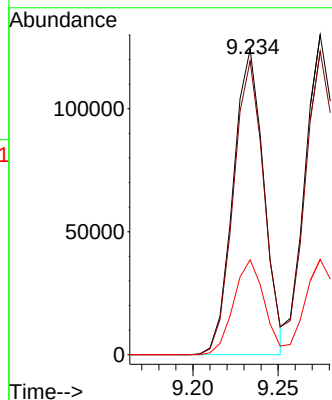
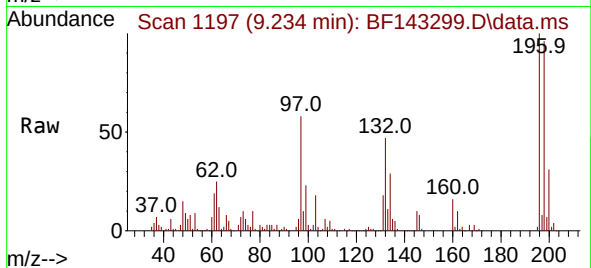
Tgt Ion:196 Resp: 155185

Ion Ratio Lower Upper

196 100

198 96.1 76.2 114.2

200 31.0 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 44.845 ng

RT: 9.275 min Scan# 1204

Delta R.T. 0.006 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

Tgt Ion:196 Resp: 165692

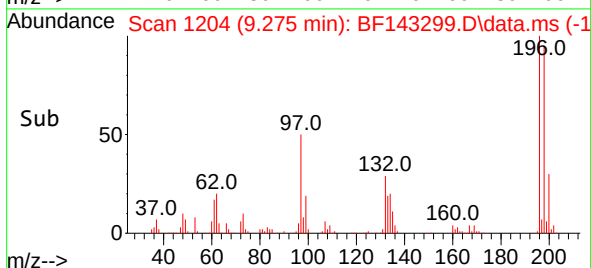
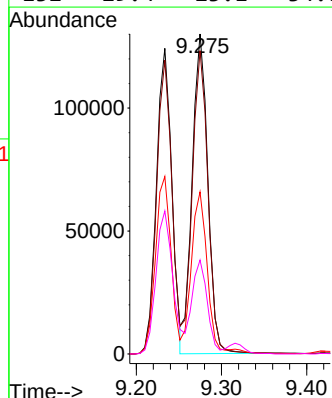
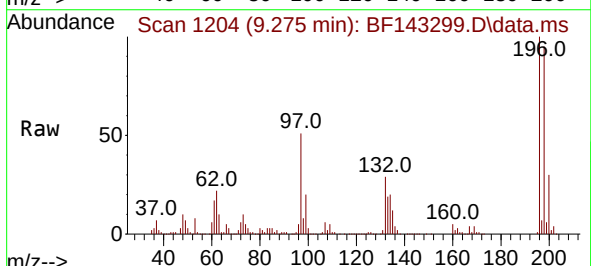
Ion Ratio Lower Upper

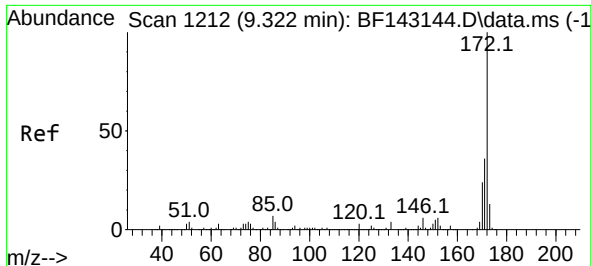
196 100

198 94.8 77.3 115.9

97 50.6 40.3 60.5

132 29.4 23.1 34.7

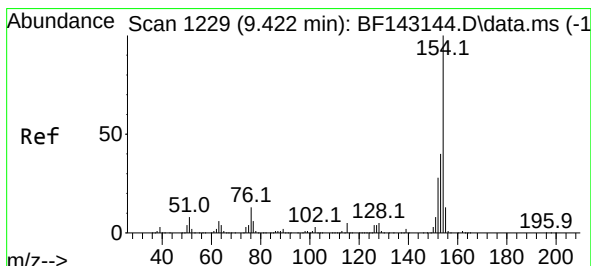
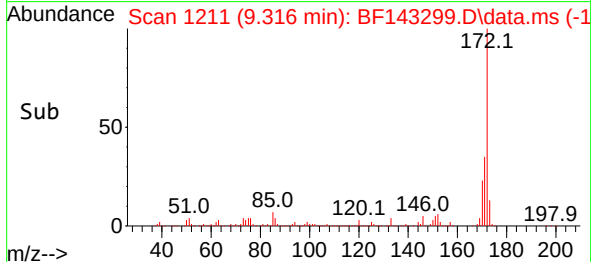
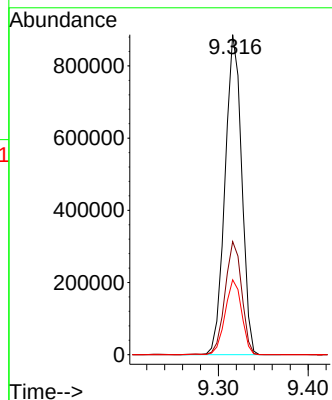
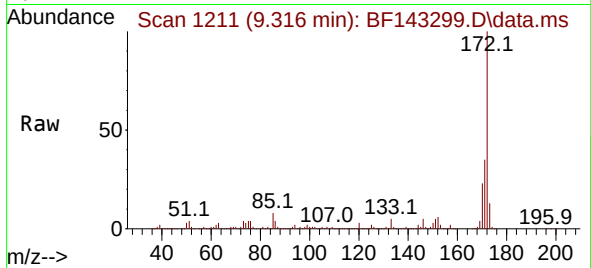




#45
2-Fluorobiphenyl
Concen: 84.453 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

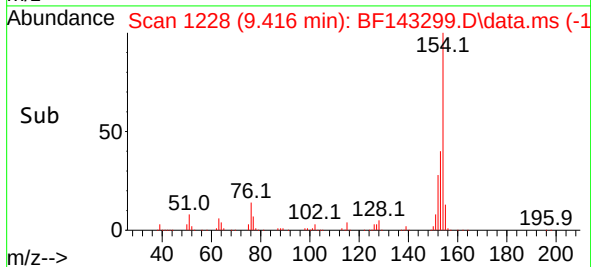
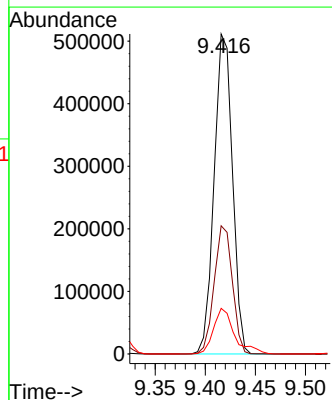
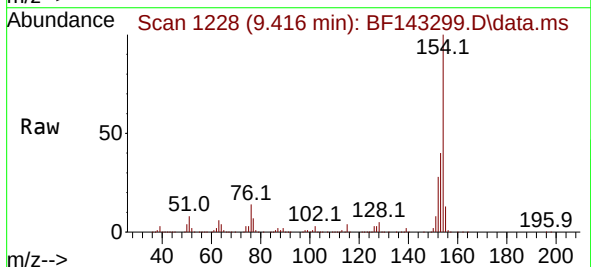
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

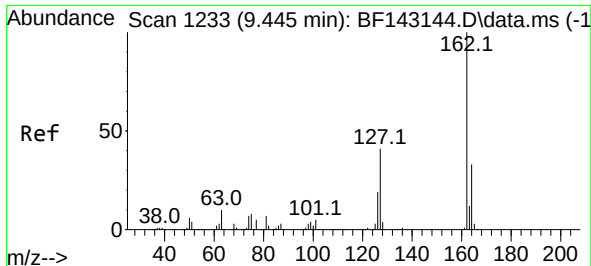
Tgt Ion:172 Resp: 1141506
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.4 18.8 28.2



#46
1,1'-Biphenyl
Concen: 45.000 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion:154 Resp: 649010
Ion Ratio Lower Upper
154 100
153 40.1 20.3 60.3
76 14.2 0.0 33.3





#47

2-Chloronaphthalene

Concen: 42.564 ng

RT: 9.445 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

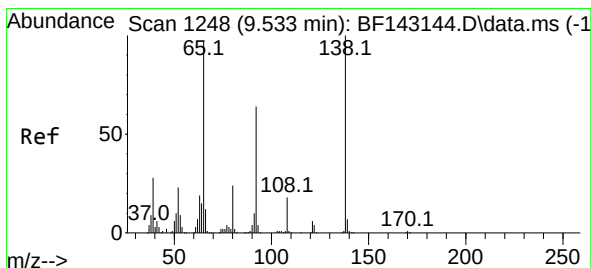
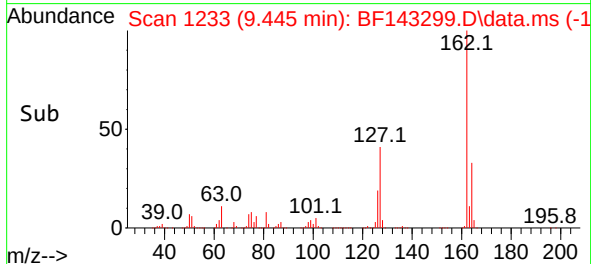
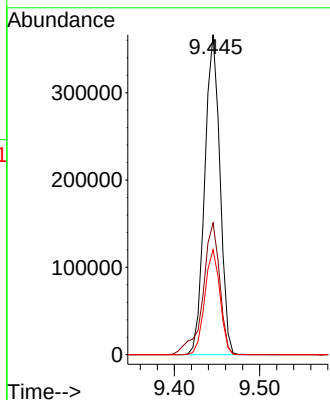
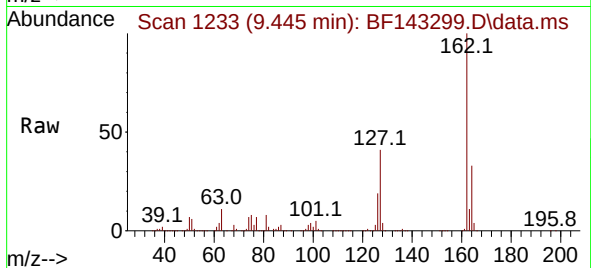
Tgt Ion:162 Resp: 454224

Ion Ratio Lower Upper

162 100

127 41.2 33.4 50.2

164 32.8 26.2 39.2



#48

2-Nitroaniline

Concen: 49.093 ng

RT: 9.534 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

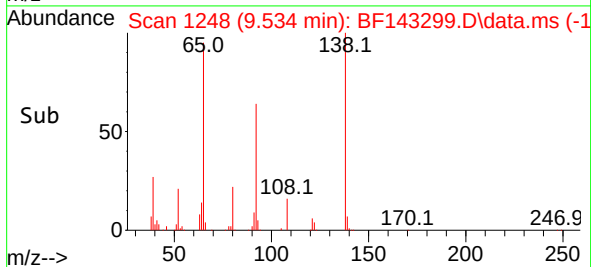
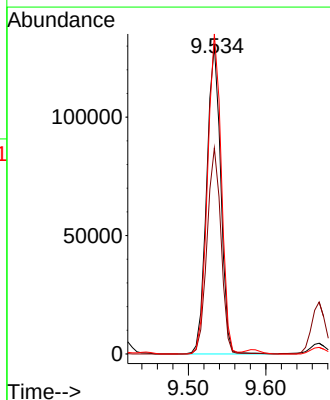
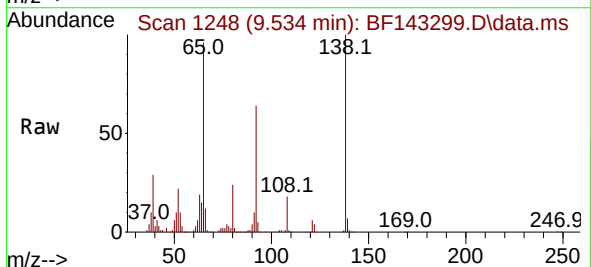
Tgt Ion: 65 Resp: 164292

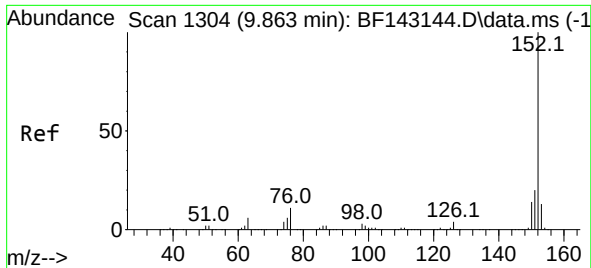
Ion Ratio Lower Upper

65 100

92 66.7 52.4 78.6

138 103.7 82.3 123.5

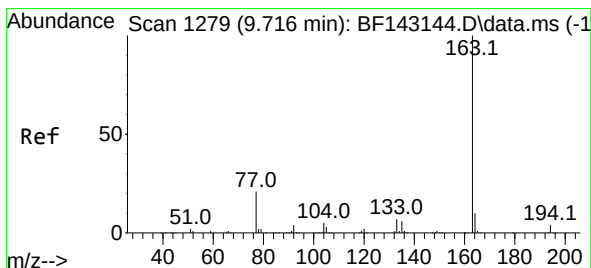
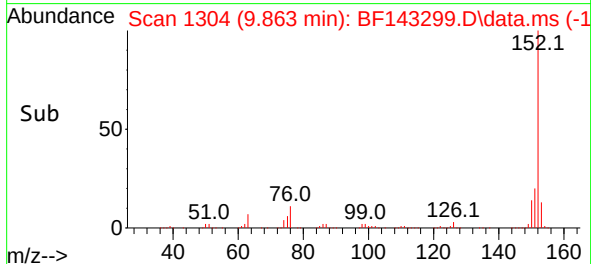
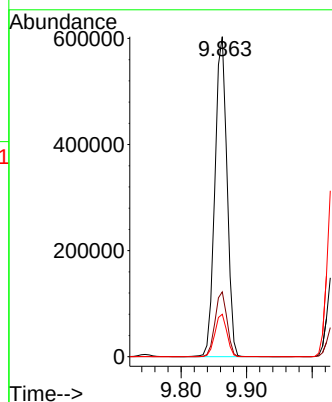
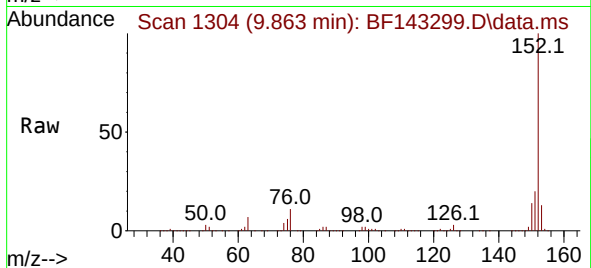




#49
Acenaphthylene
Concen: 43.056 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

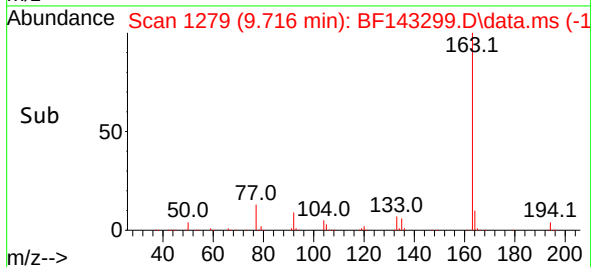
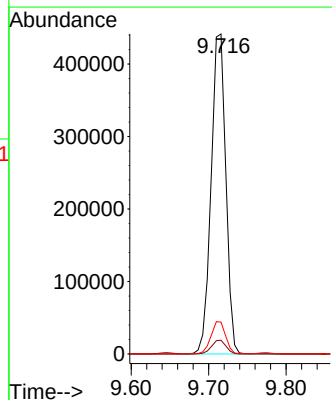
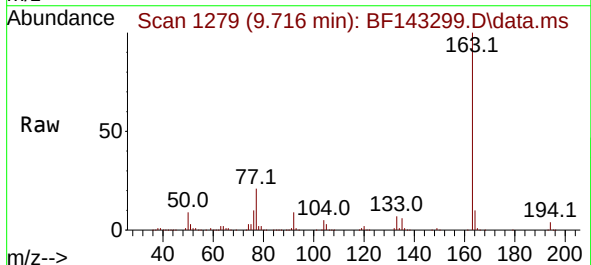
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

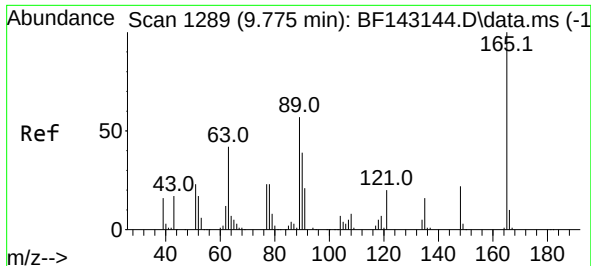
Tgt Ion:152 Resp: 770007
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 13.3 10.6 16.0



#50
Dimethylphthalate
Concen: 48.326 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion:163 Resp: 582296
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.0 8.3 12.5

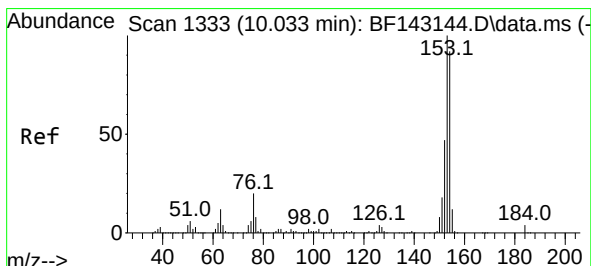
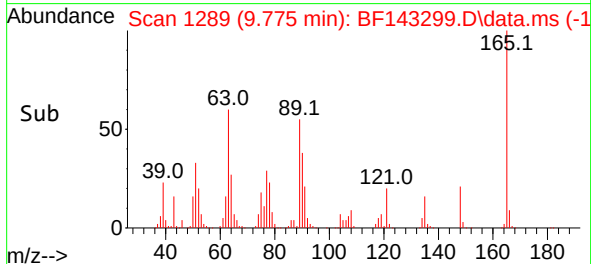
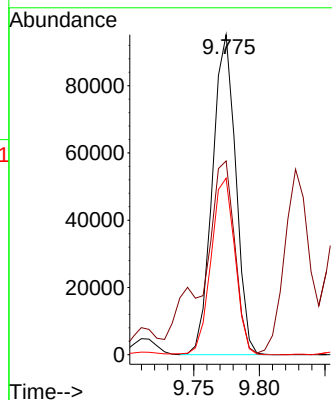
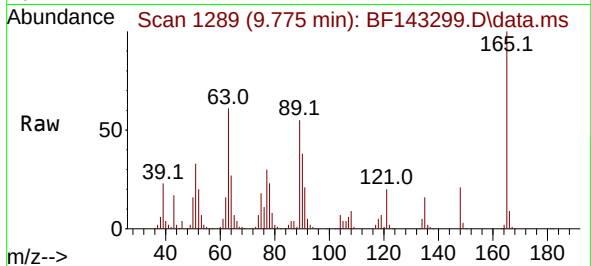




#51
2,6-Dinitrotoluene
Concen: 47.960 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

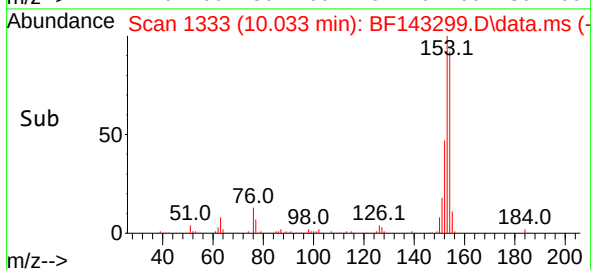
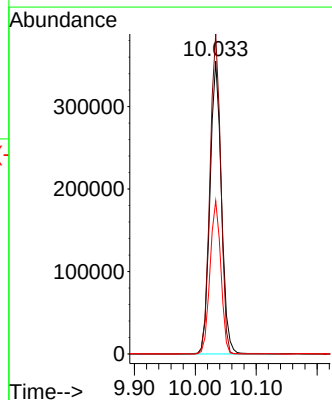
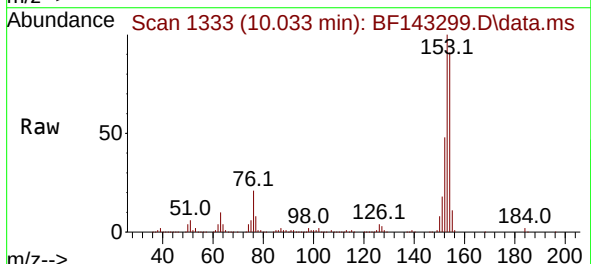
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

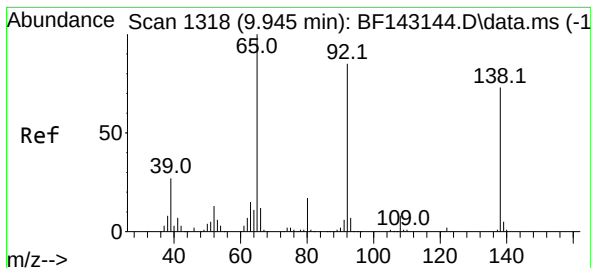
Tgt Ion:165 Resp: 117559
Ion Ratio Lower Upper
165 100
63 60.6 49.4 74.2
89 55.2 46.2 69.2



#52
Acenaphthene
Concen: 43.841 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion:154 Resp: 463401
Ion Ratio Lower Upper
154 100
153 109.3 86.6 129.8
152 52.3 40.4 60.6





#53

3-Nitroaniline

Concen: 25.871 ng

RT: 9.939 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

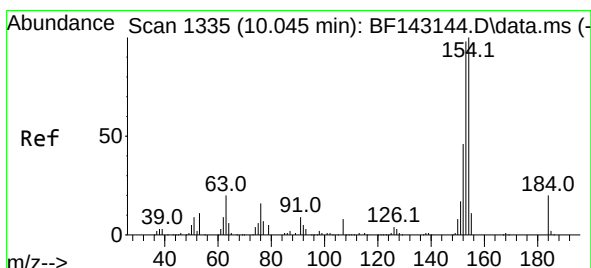
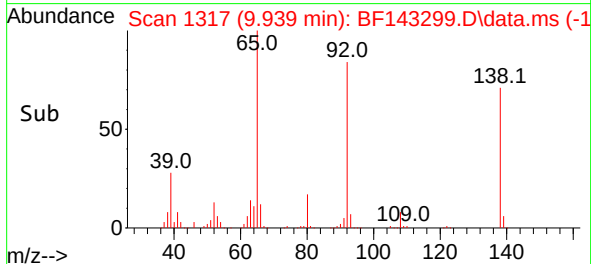
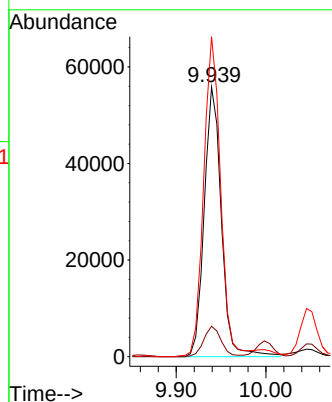
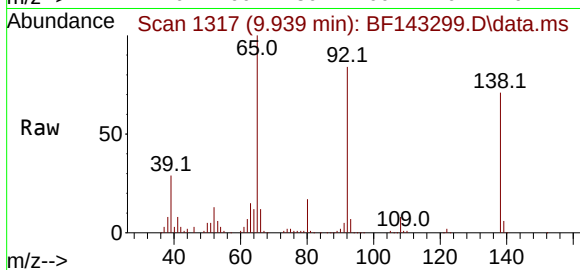
Tgt Ion:138 Resp: 74175

Ion Ratio Lower Upper

138 100

108 11.3 9.0 13.6

92 118.8 93.0 139.4



#54

2,4-Dinitrophenol

Concen: 47.768 ng

RT: 10.051 min Scan# 1336

Delta R.T. 0.006 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

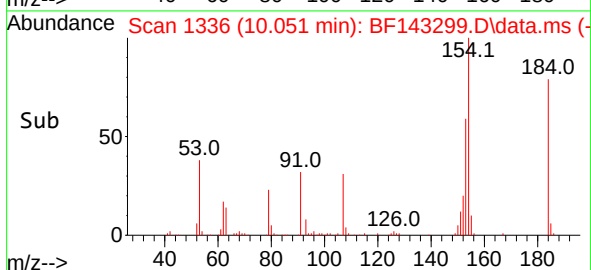
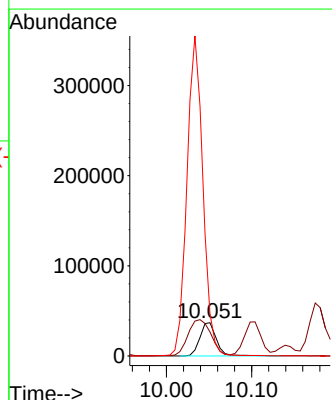
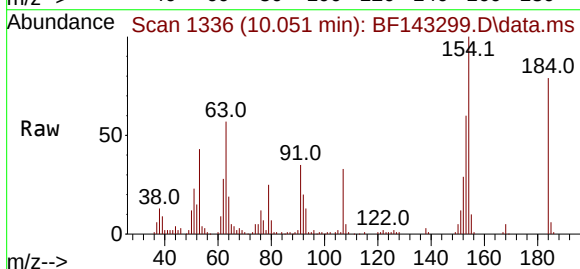
Tgt Ion:184 Resp: 49813

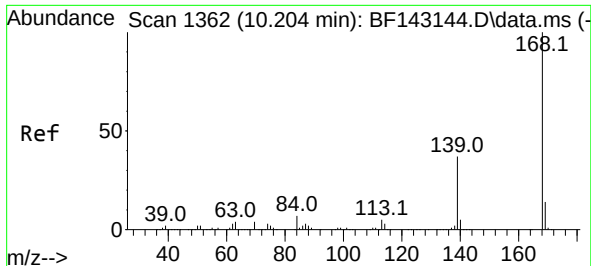
Ion Ratio Lower Upper

184 100

63 72.3 81.8 122.6#

154 127.0 412.2 618.4#

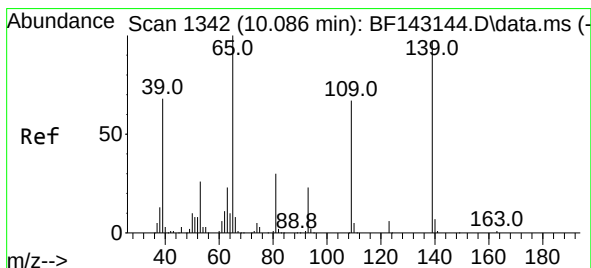
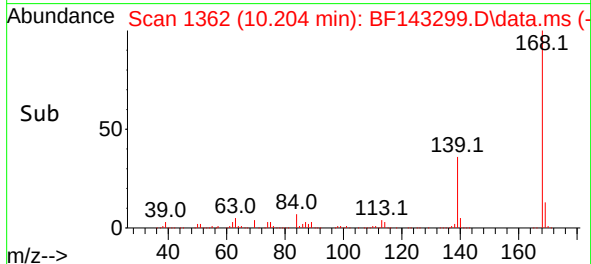
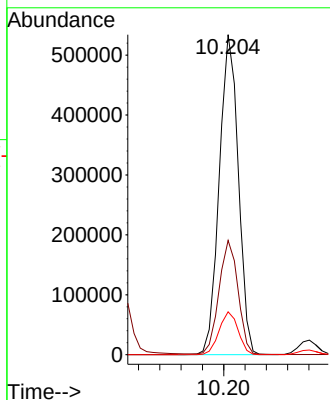
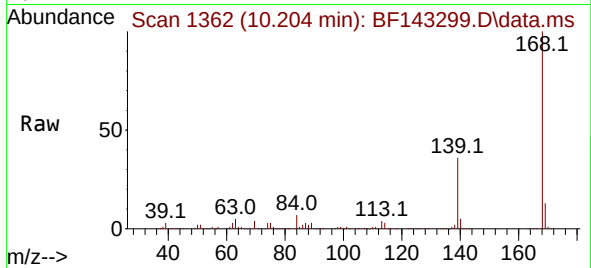




#55
Dibenzofuran
Concen: 42.197 ng
RT: 10.204 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

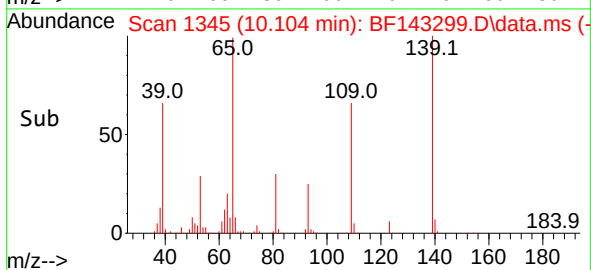
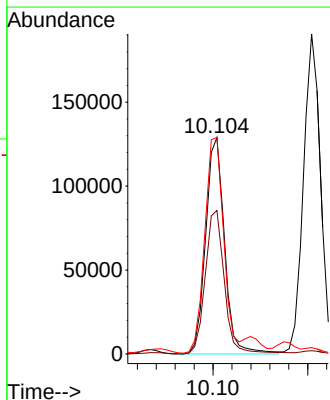
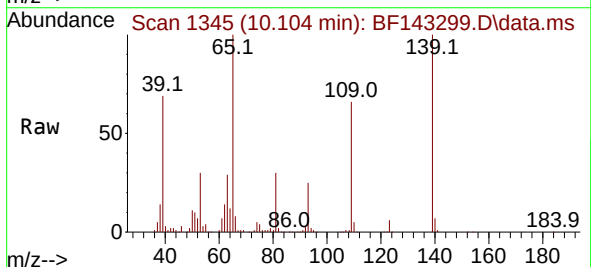
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

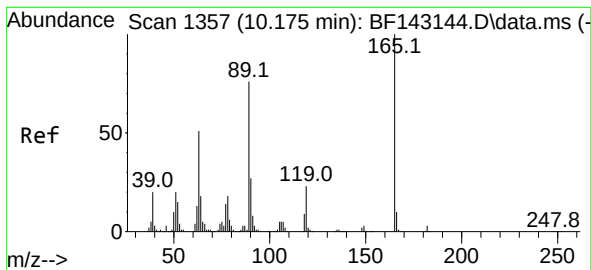
Tgt Ion:168 Resp: 662206
Ion Ratio Lower Upper
168 100
139 35.7 29.5 44.3
169 13.4 10.9 16.3



#56
4-Nitrophenol
Concen: 83.239 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.018 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion:139 Resp: 178212
Ion Ratio Lower Upper
139 100
109 66.3 48.5 88.5
65 100.0 83.4 123.4

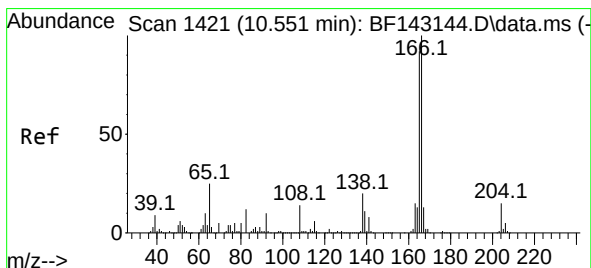
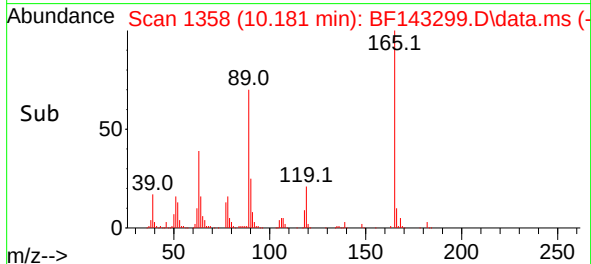
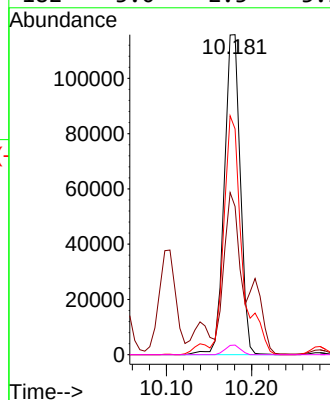
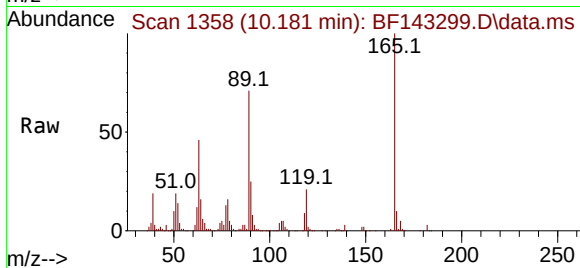




#57
2,4-Dinitrotoluene
Concen: 48.977 ng
RT: 10.181 min Scan# 1358
Delta R.T. 0.006 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

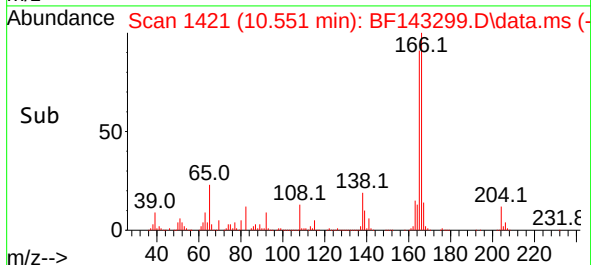
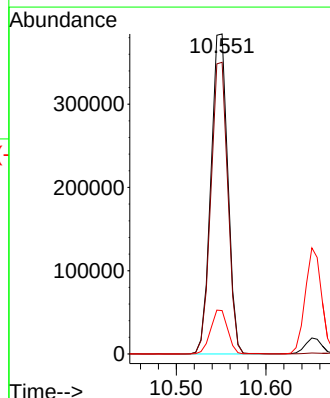
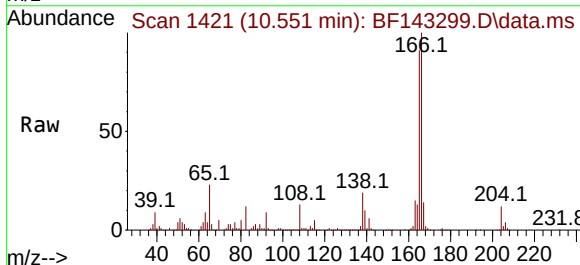
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

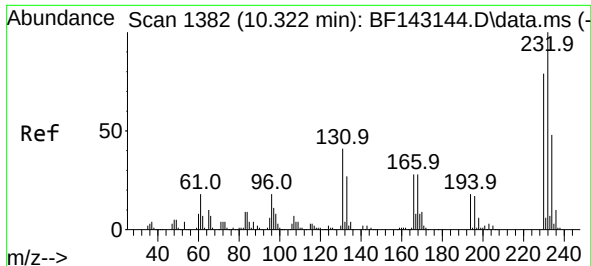
Tgt Ion:165 Resp: 150617
Ion Ratio Lower Upper
165 100
63 46.3 41.0 61.4
89 70.6 61.1 91.7
182 3.0 2.3 3.5



#58
Fluorene
Concen: 42.645 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion:166 Resp: 502278
Ion Ratio Lower Upper
166 100
165 91.2 73.7 110.5
167 13.6 10.6 16.0



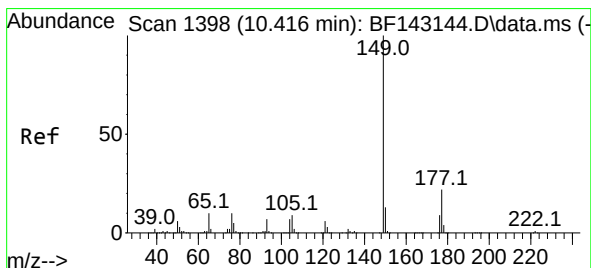
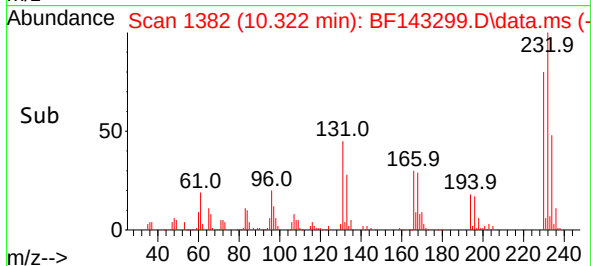
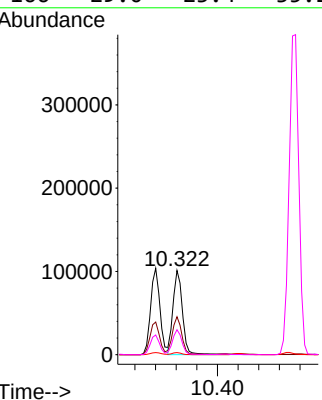
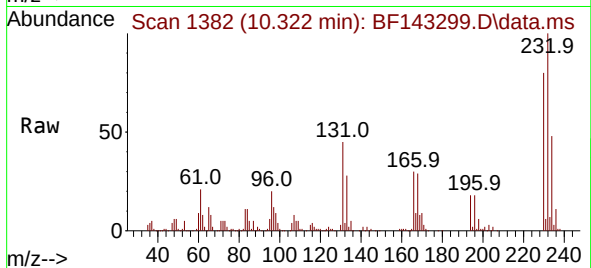


#59
2,3,4,6-Tetrachlorophenol
Concen: 41.779 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:232 Resp: 127869

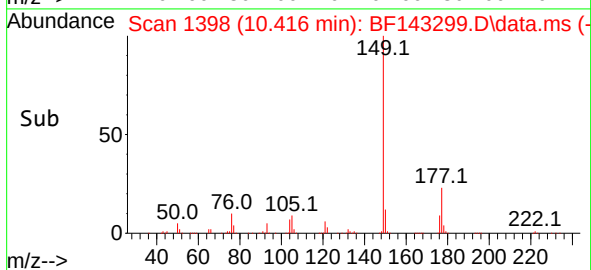
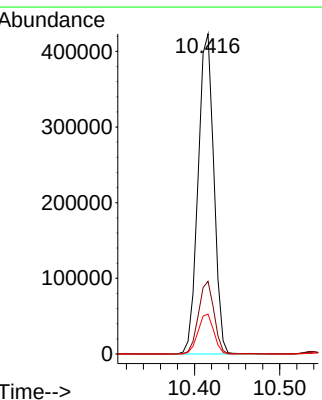
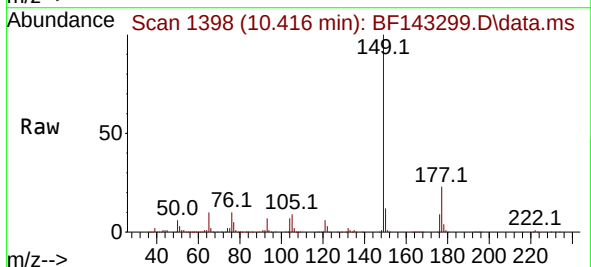
Ion	Ratio	Lower	Upper
232	100		
131	44.6	35.3	52.9
130	2.4	1.7	2.5
166	29.0	23.4	35.2

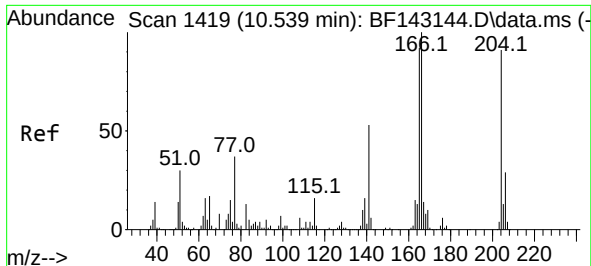


#60
Diethylphthalate
Concen: 45.728 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion:149 Resp: 544599

Ion	Ratio	Lower	Upper
149	100		
177	22.7	17.5	26.3
150	12.5	10.2	15.2

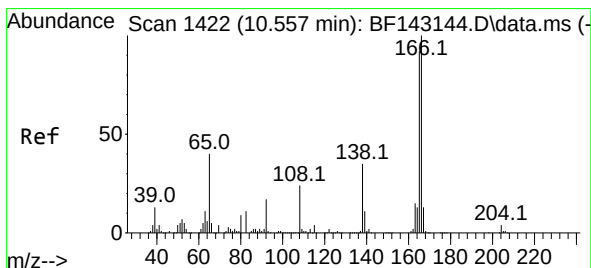
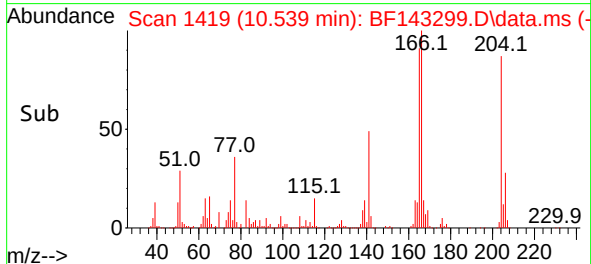
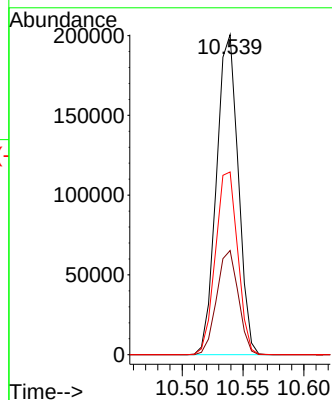
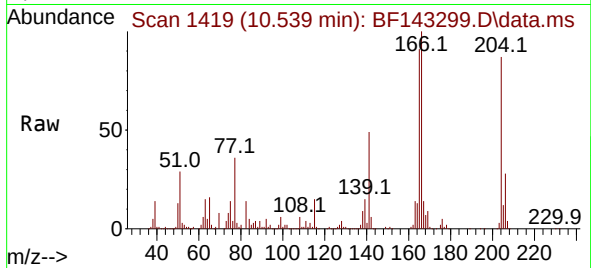




#61
4-Chlorophenyl-phenylether
Concen: 42.547 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

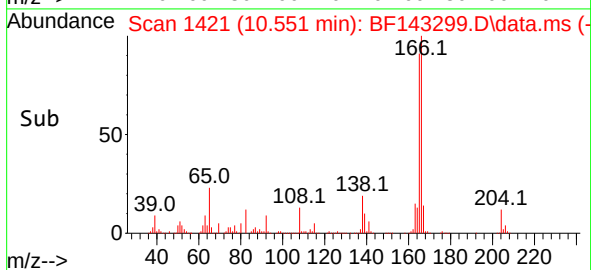
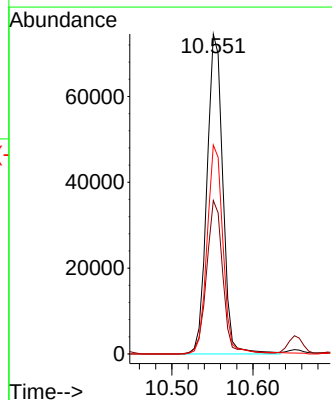
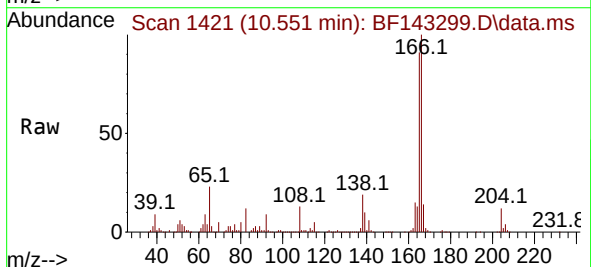
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

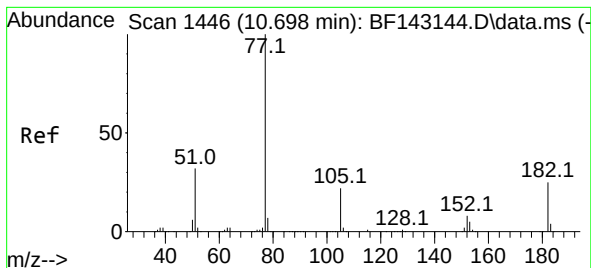
Tgt Ion:204 Resp: 249527
Ion Ratio Lower Upper
204 100
206 32.6 25.8 38.8
141 57.1 47.0 70.4



#62
4-Nitroaniline
Concen: 41.088 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion:138 Resp: 100962
Ion Ratio Lower Upper
138 100
92 48.0 29.3 69.3
108 65.3 48.3 88.3





#63

Azobenzene

Concen: 42.433 ng

RT: 10.698 min Scan# 1446

Delta R.T. 0.000 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

Tgt Ion: 77 Resp: 526694

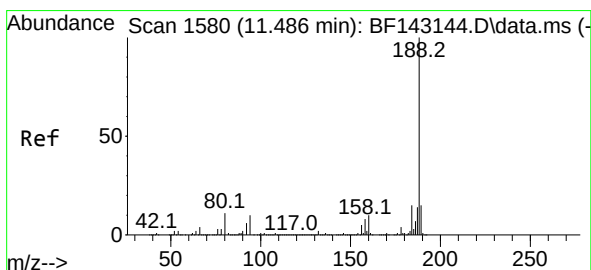
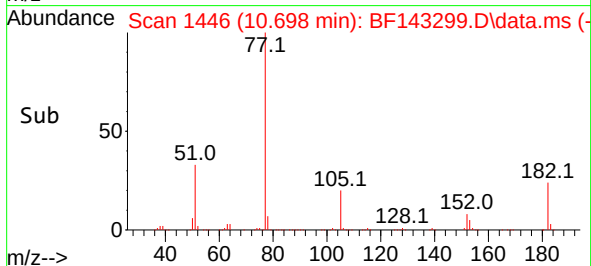
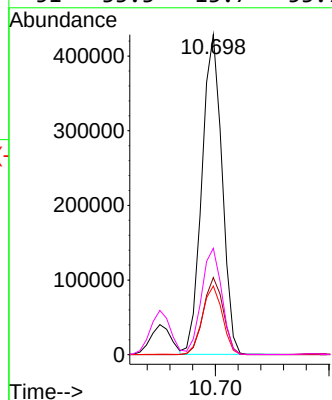
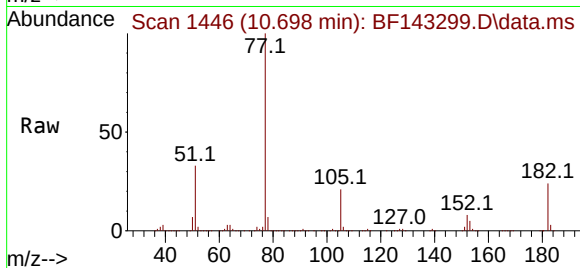
Ion Ratio Lower Upper

77 100

182 24.1 4.6 44.6

105 21.5 1.4 41.4

51 33.3 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

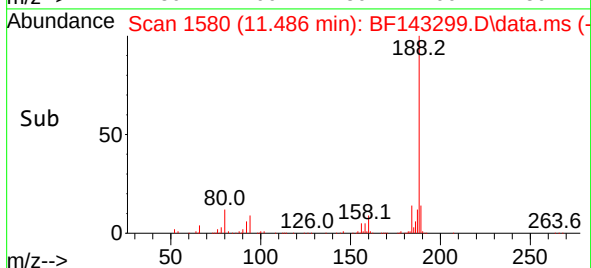
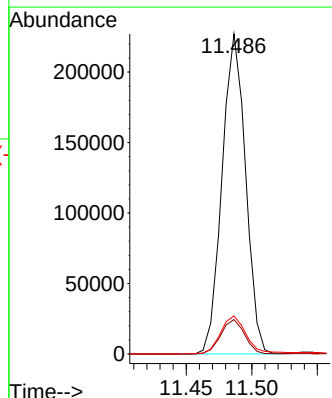
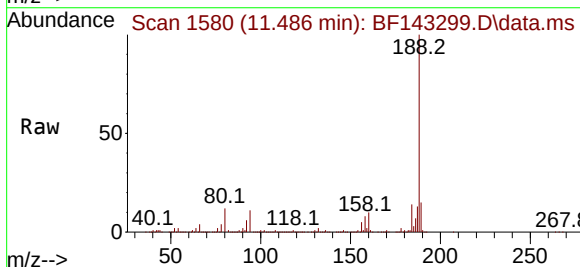
Tgt Ion: 188 Resp: 283057

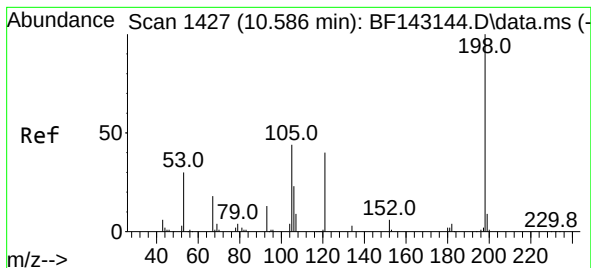
Ion Ratio Lower Upper

188 100

94 10.8 8.3 12.5

80 11.9 9.0 13.6

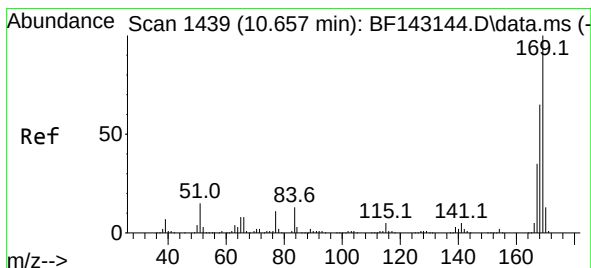
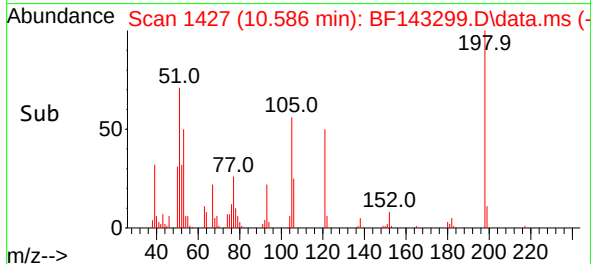
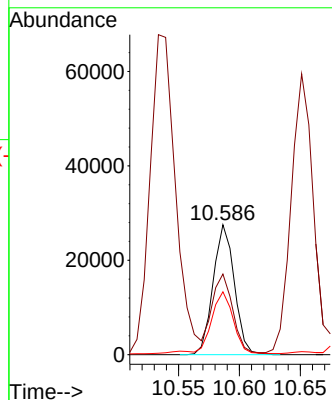
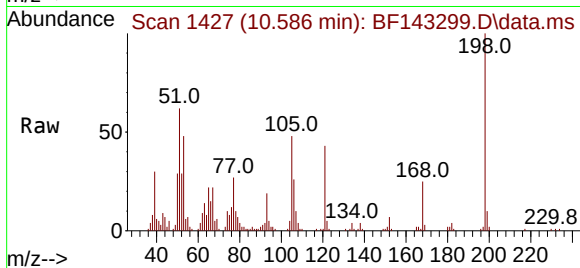




#65
4,6-Dinitro-2-methylphenol
Concen: 25.377 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

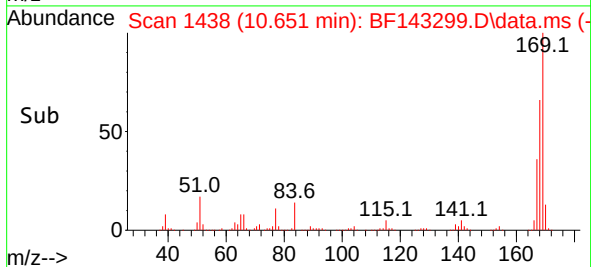
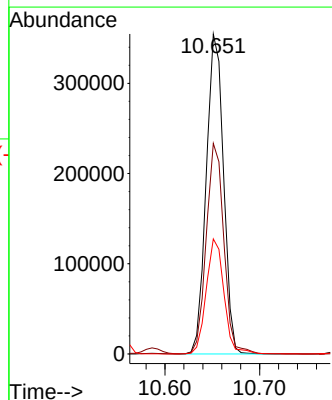
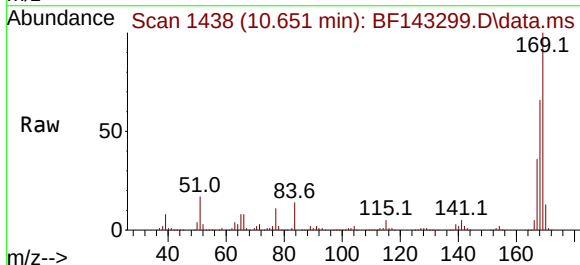
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

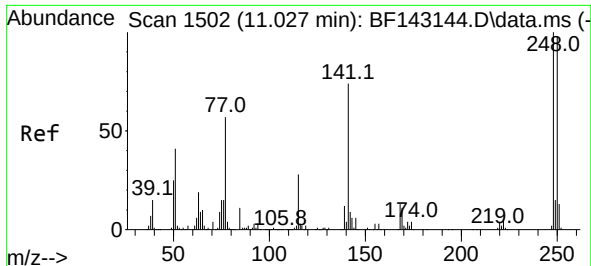
Tgt Ion:198 Resp: 33389
Ion Ratio Lower Upper
198 100
51 62.2 37.2 77.2
105 48.4 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 44.885 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion:169 Resp: 447383
Ion Ratio Lower Upper
169 100
168 65.8 52.1 78.1
167 35.9 28.2 42.2

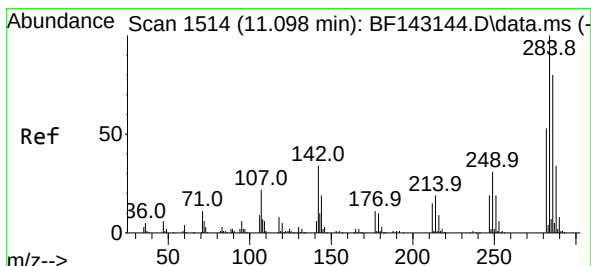
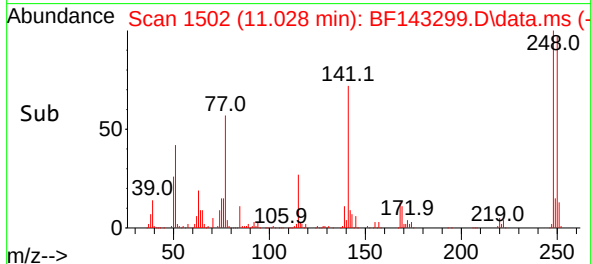
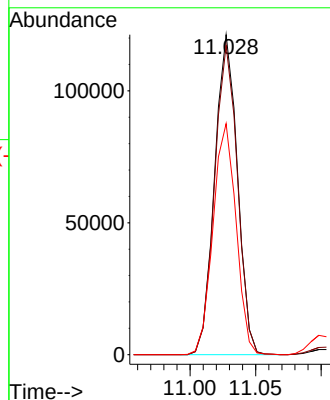
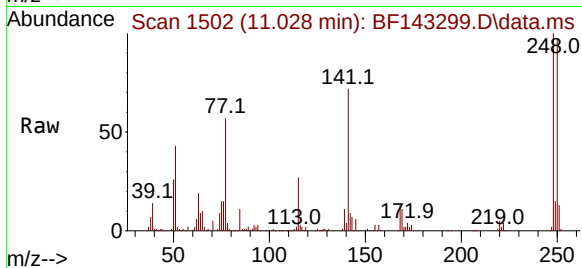




#67
4-Bromophenyl-phenylether
Concen: 43.444 ng
RT: 11.028 min Scan# 1102
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

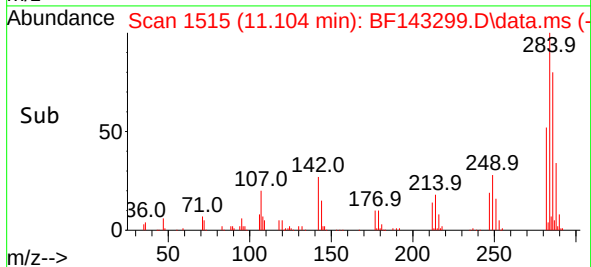
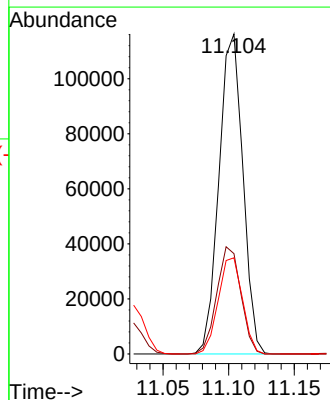
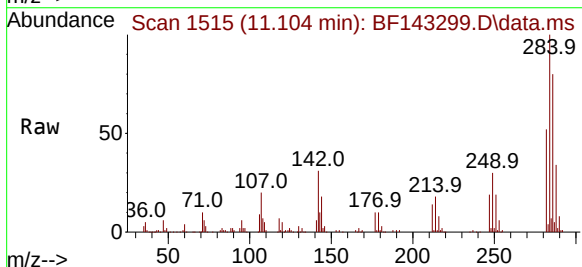
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

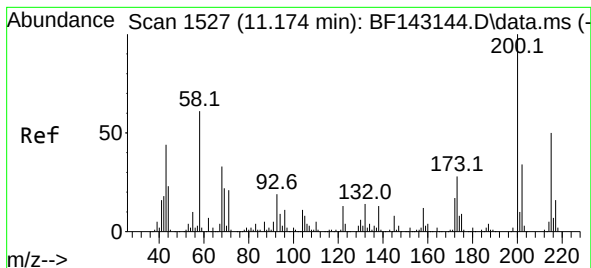
Tgt Ion:248 Resp: 146549
Ion Ratio Lower Upper
248 100
250 96.7 78.3 117.5
141 72.2 59.2 88.8



#68
Hexachlorobenzene
Concen: 41.776 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion:284 Resp: 147292
Ion Ratio Lower Upper
284 100
142 31.4 27.0 40.6
249 30.0 25.0 37.6





#69

Atrazine

Concen: 47.766 ng

RT: 11.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

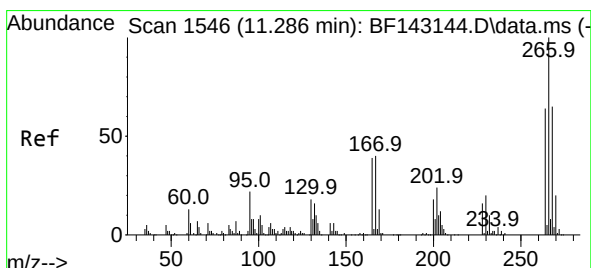
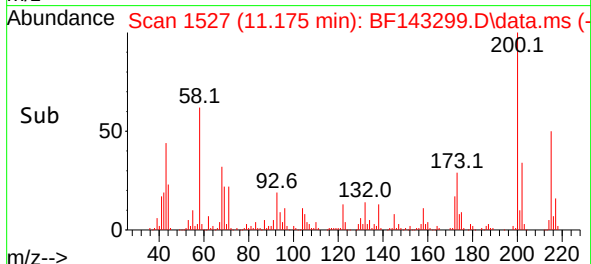
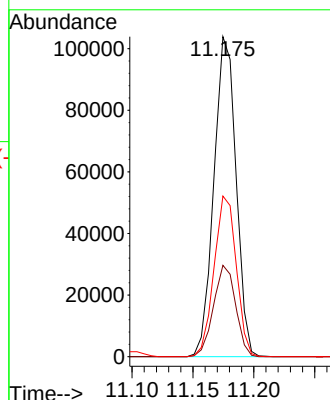
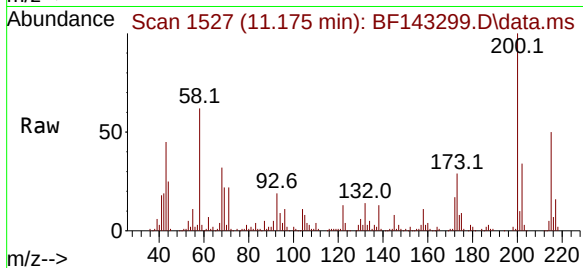
Tgt Ion:200 Resp: 131257

Ion Ratio Lower Upper

200 100

173 28.5 7.9 47.9

215 50.2 30.1 70.1



#70

Pentachlorophenol

Concen: 90.879 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.006 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

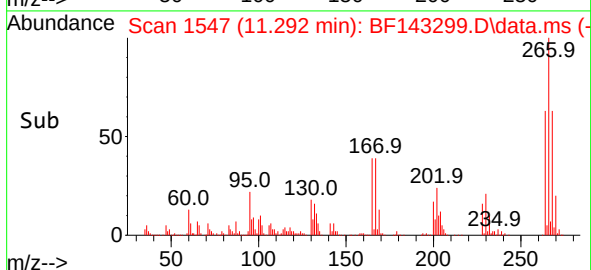
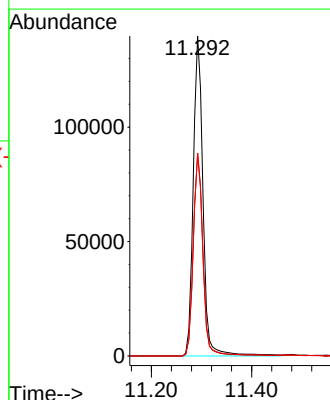
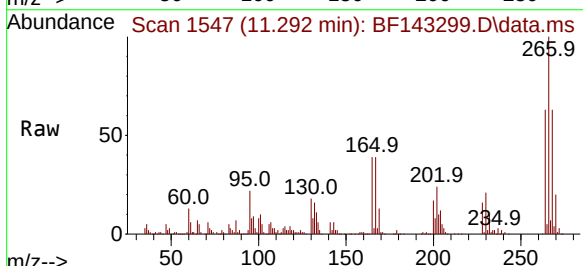
Tgt Ion:266 Resp: 188434

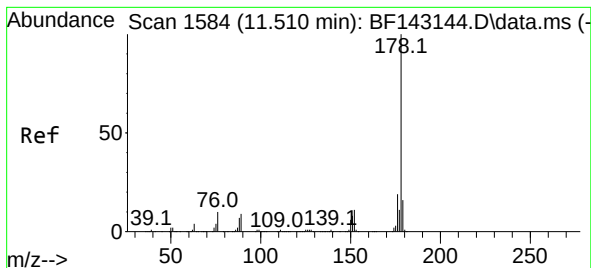
Ion Ratio Lower Upper

266 100

268 63.4 51.9 77.9

264 63.2 51.0 76.6





#71

Phenanthrene

Concen: 44.454 ng

RT: 11.510 min Scan# 1584

Delta R.T. 0.000 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

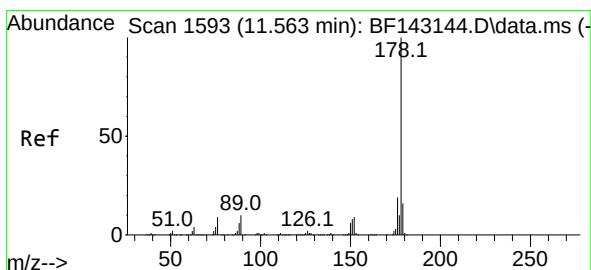
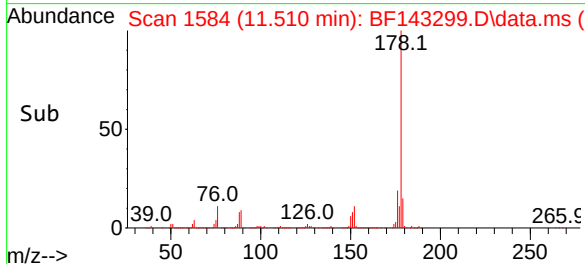
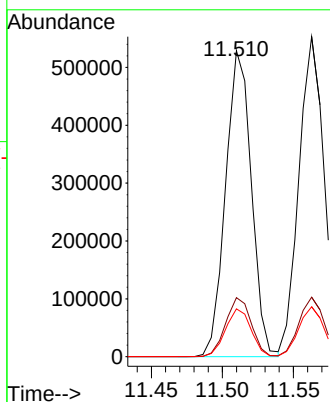
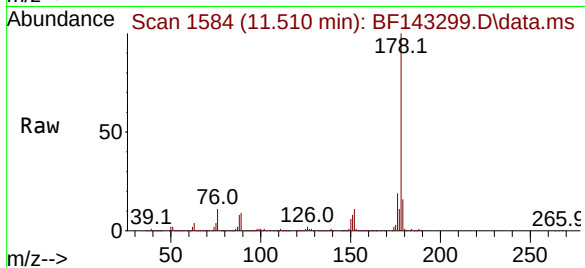
Tgt Ion:178 Resp: 668111

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 15.7 12.5 18.7



#72

Anthracene

Concen: 44.517 ng

RT: 11.563 min Scan# 1593

Delta R.T. 0.000 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

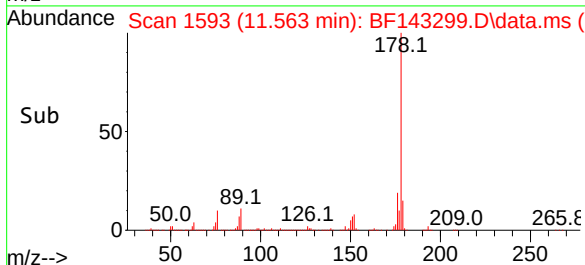
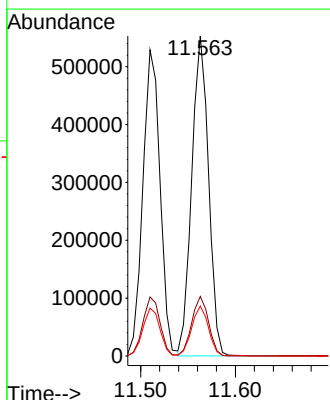
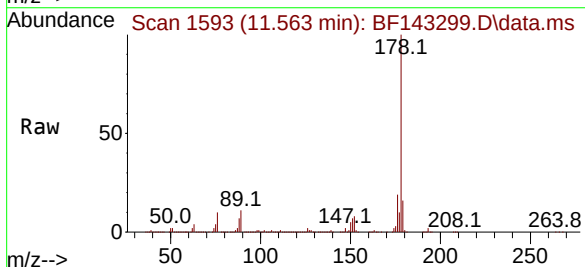
Tgt Ion:178 Resp: 682371

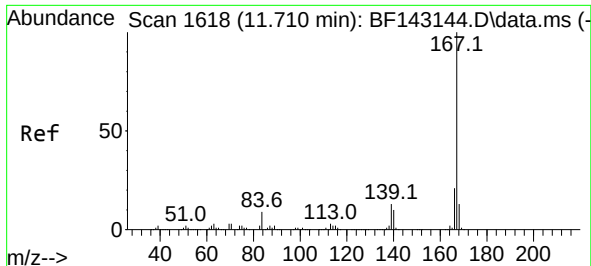
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

179 15.6 12.5 18.7

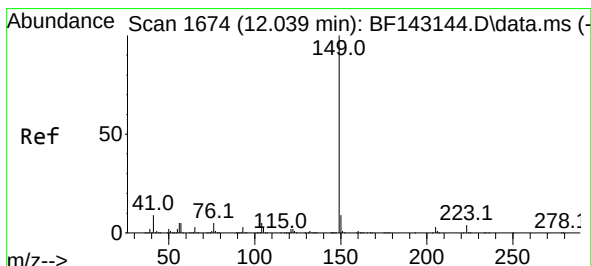
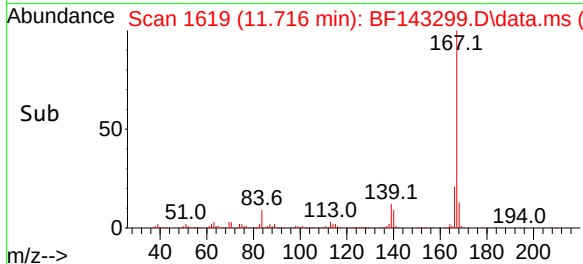
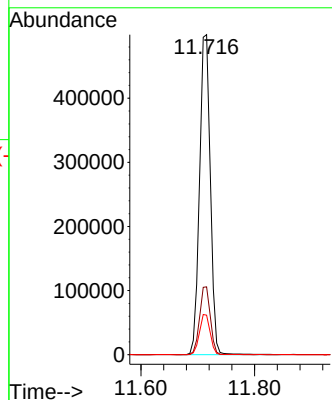
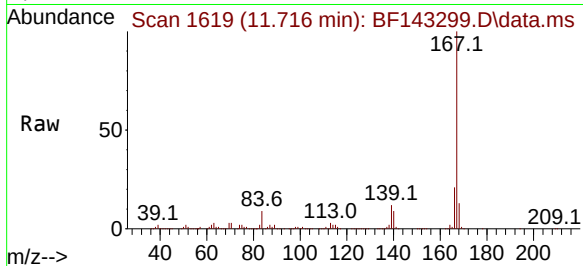




#73
Carbazole
Concen: 49.336 ng
RT: 11.716 min Scan# 1618
Delta R.T. 0.006 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

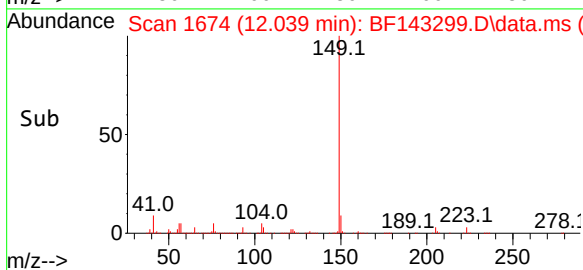
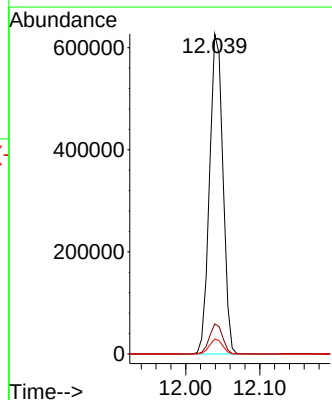
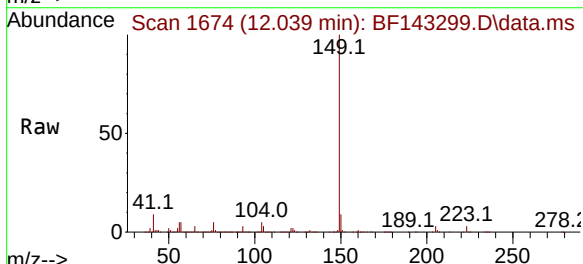
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

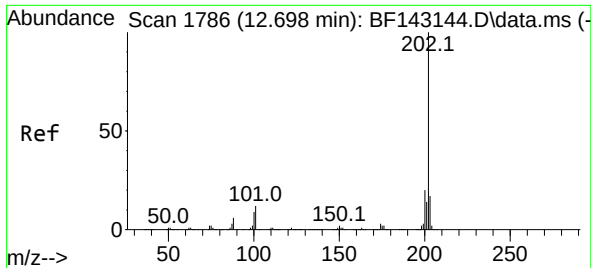
Tgt Ion:167 Resp: 660341
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.6
139 12.3 10.0 15.0



#74
Di-n-butylphthalate
Concen: 51.954 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion:149 Resp: 786829
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.2
104 4.6 3.8 5.8

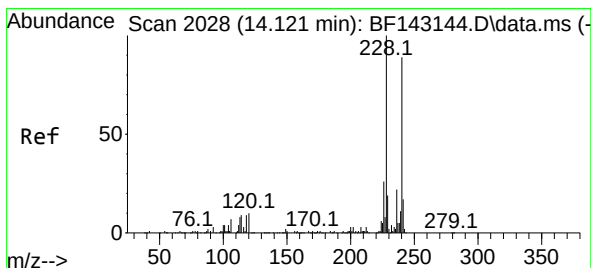
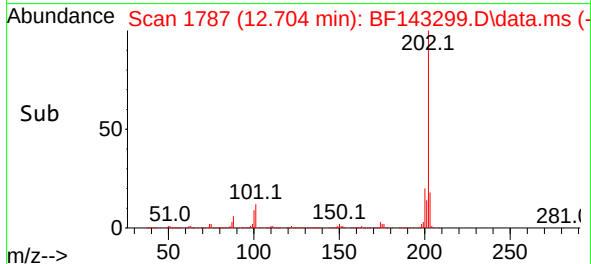
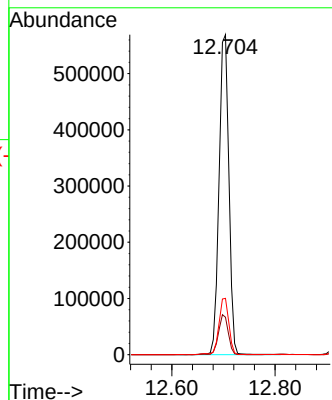
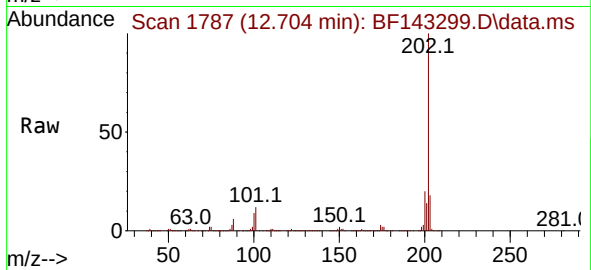




#75
Fluoranthene
Concen: 54.421 ng
RT: 12.704 min Scan# 1787
Delta R.T. 0.006 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

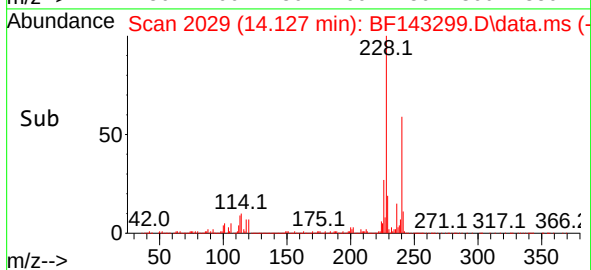
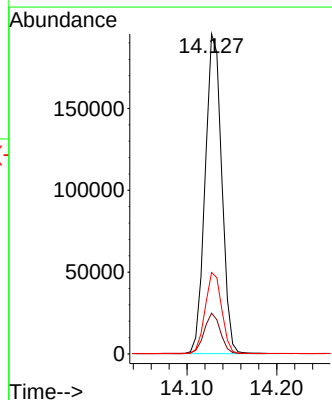
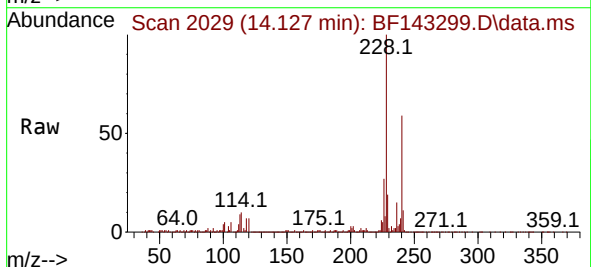
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

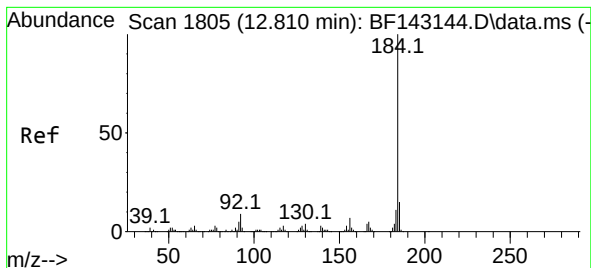
Tgt Ion:202 Resp: 750745
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion:240 Resp: 250499
Ion Ratio Lower Upper
240 100
120 12.8 9.4 14.2
236 25.4 20.2 30.4





#77

Benzidine

Concen: 21.943 ng

RT: 12.816 min Scan# 1805

Delta R.T. 0.006 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

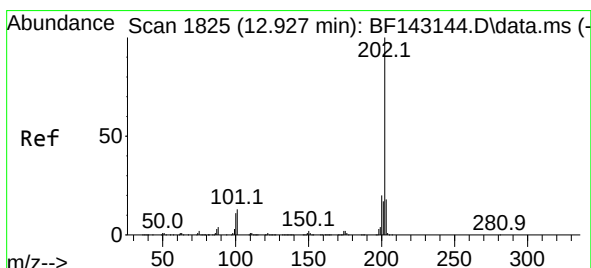
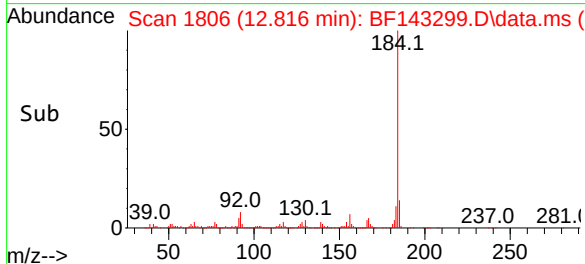
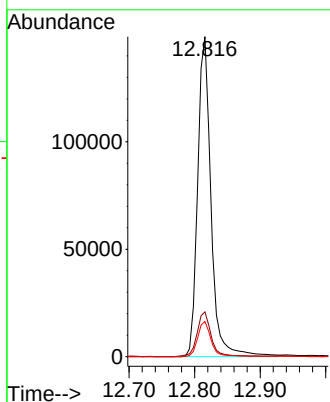
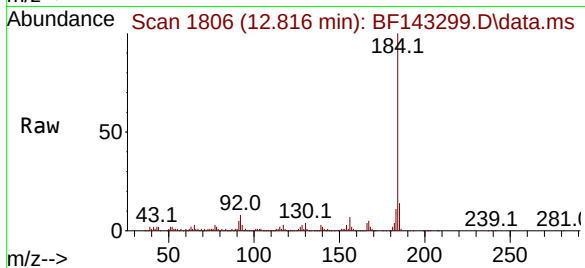
Tgt Ion:184 Resp: 211770

Ion Ratio Lower Upper

184 100

185 14.0 12.2 18.4

183 11.0 9.0 13.4



#78

Pyrene

Concen: 36.547 ng

RT: 12.933 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

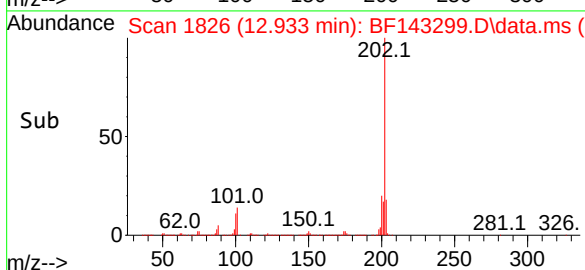
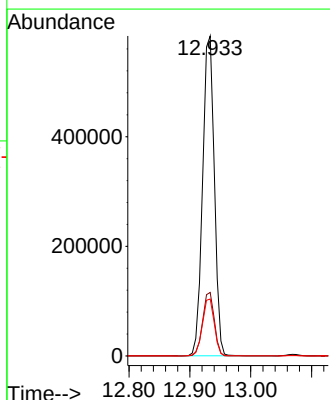
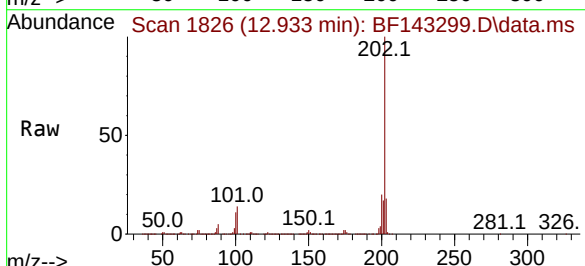
Tgt Ion:202 Resp: 781335

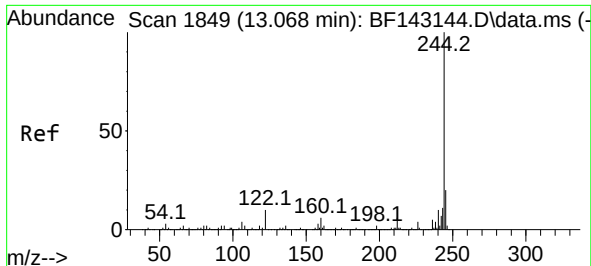
Ion Ratio Lower Upper

202 100

200 19.8 15.7 23.5

203 17.8 14.2 21.2

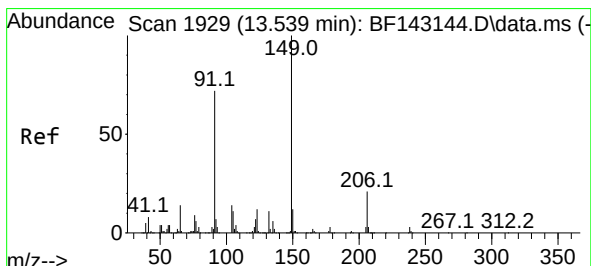
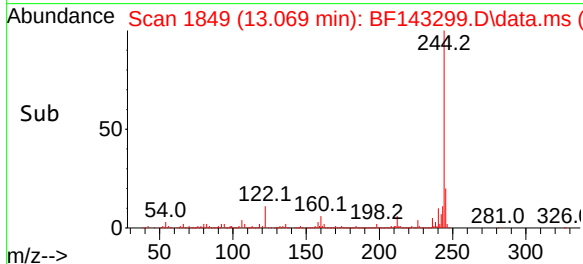
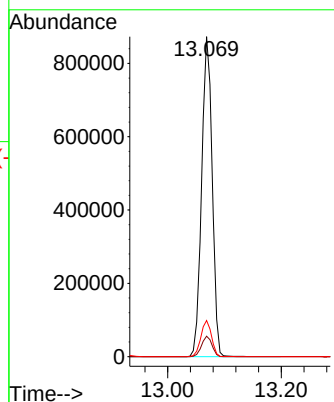
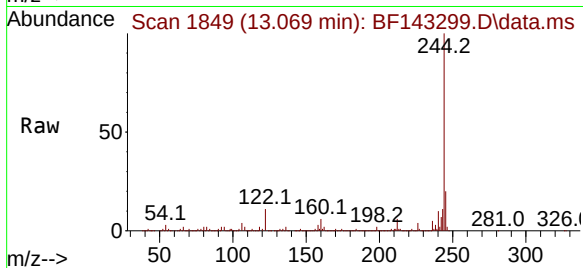




#79
 Terphenyl-d14
 Concen: 66.994 ng
 RT: 13.069 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: BF143299.D
 Acq: 04 Aug 2025 16:36

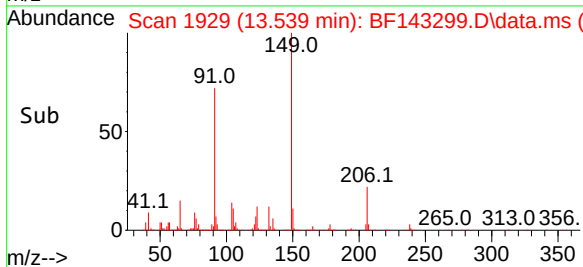
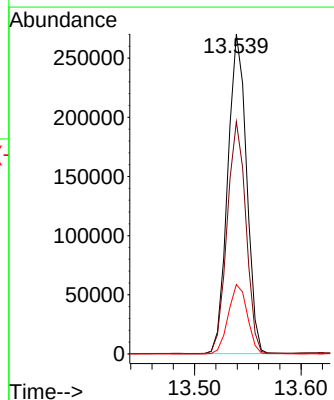
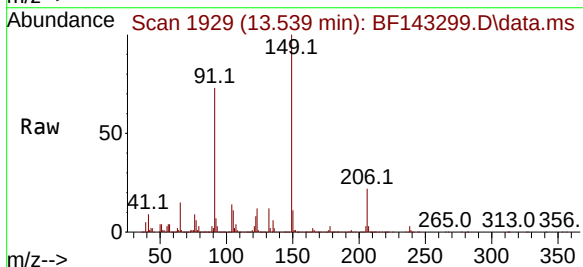
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-253MS

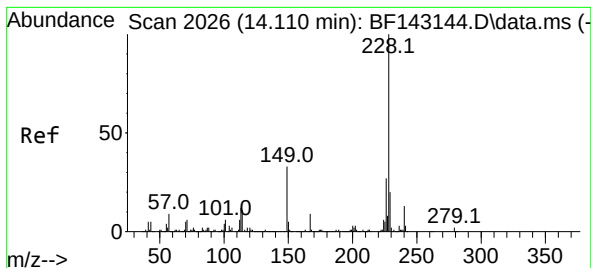
Tgt Ion:244 Resp: 1127736
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 11.3 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 50.533 ng
 RT: 13.539 min Scan# 1929
 Delta R.T. 0.000 min
 Lab File: BF143299.D
 Acq: 04 Aug 2025 16:36

Tgt Ion:149 Resp: 330811
 Ion Ratio Lower Upper
 149 100
 91 72.6 57.9 86.9
 206 21.7 17.0 25.4





#81

Benzo(a)anthracene

Concen: 45.724 ng

RT: 14.116 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

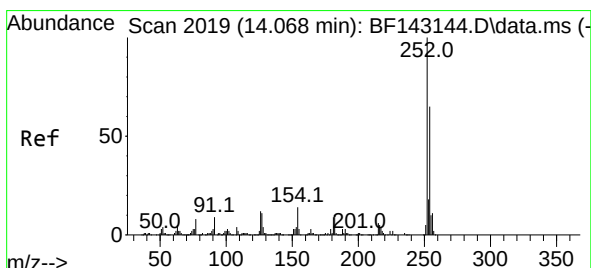
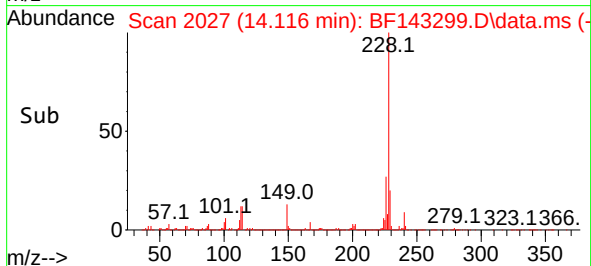
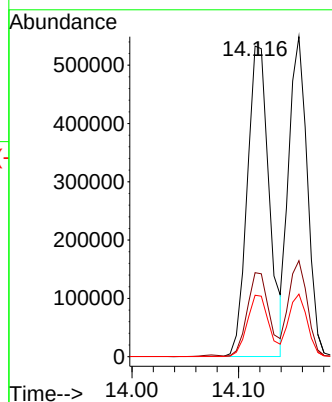
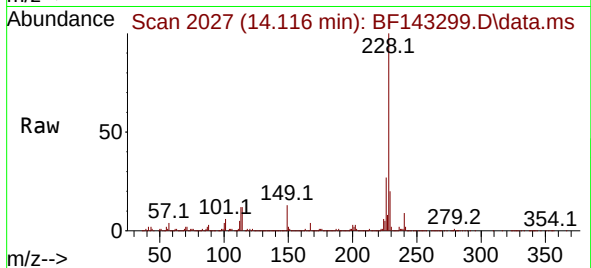
Tgt Ion:228 Resp: 766834

Ion Ratio Lower Upper

228 100

226 27.0 21.7 32.5

229 19.8 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 36.542 ng

RT: 14.074 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

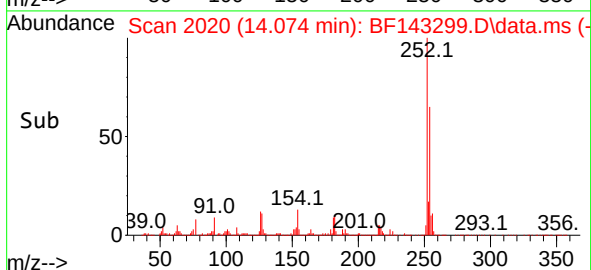
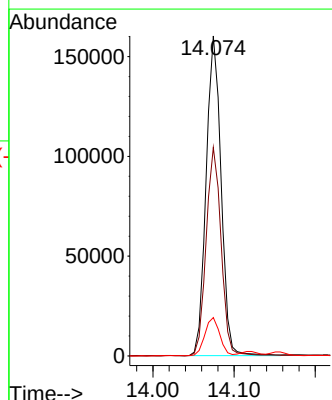
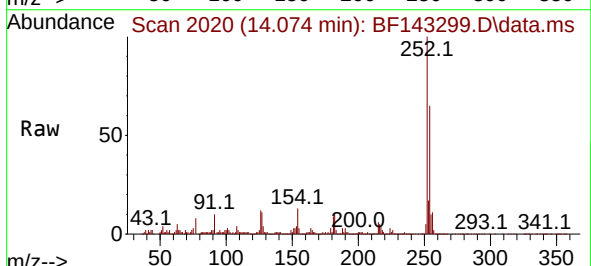
Tgt Ion:252 Resp: 204252

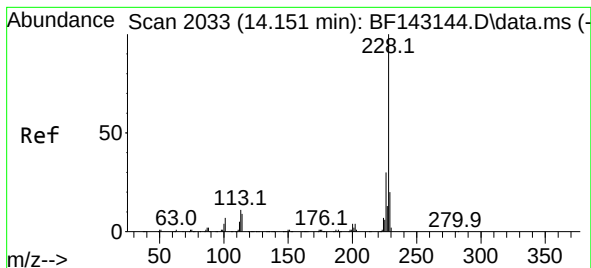
Ion Ratio Lower Upper

252 100

254 65.1 51.7 77.5

126 12.0 9.4 14.0





#83

Chrysene

Concen: 44.348 ng

RT: 14.157 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

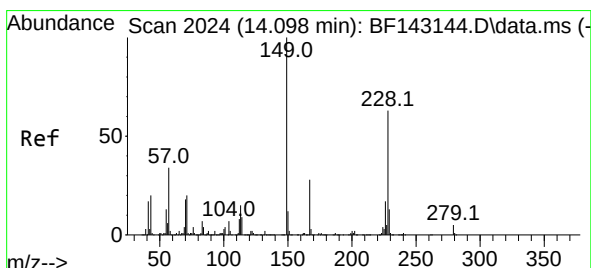
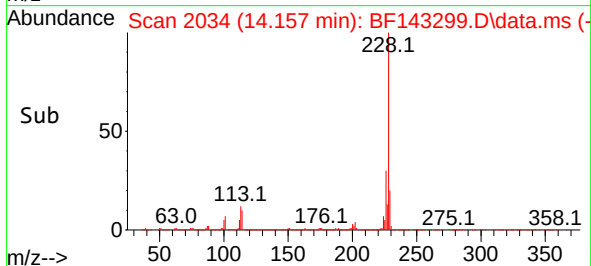
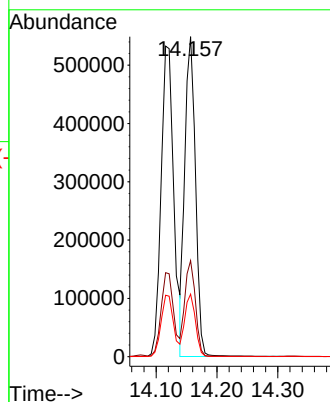
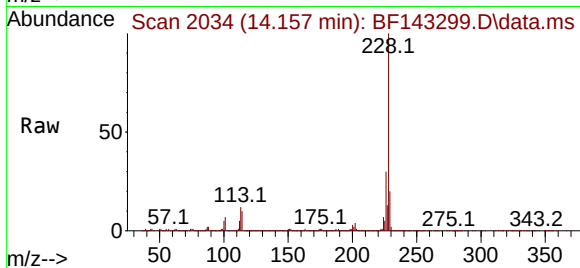
Tgt Ion:228 Resp: 668711

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.8

229 19.5 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.612 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

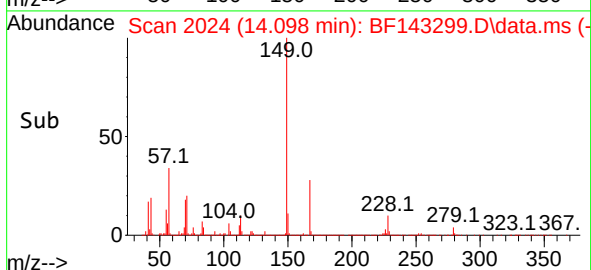
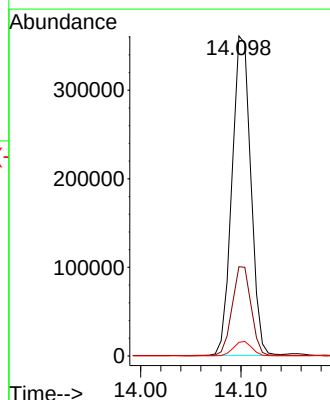
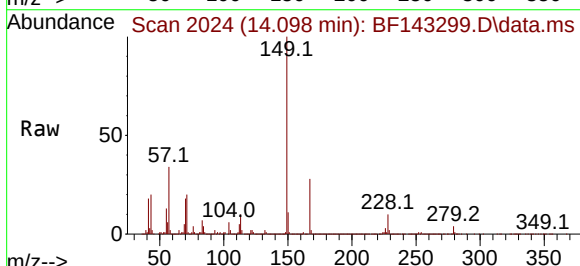
Tgt Ion:149 Resp: 471777

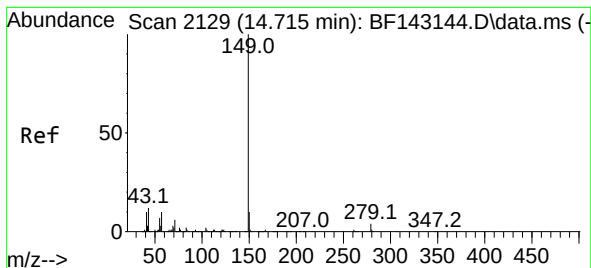
Ion Ratio Lower Upper

149 100

167 27.9 22.3 33.5

279 4.2 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 45.565 ng

RT: 14.716 min Scan# 2129

Delta R.T. 0.000 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

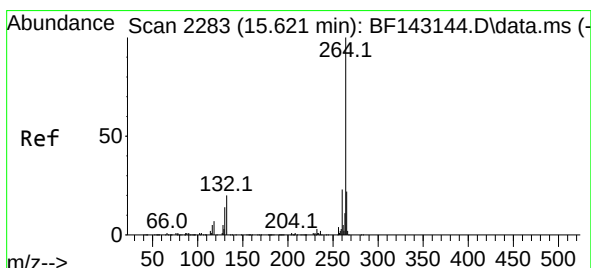
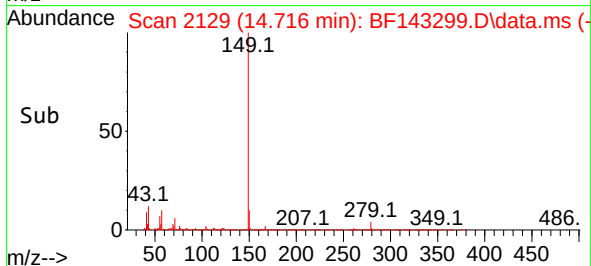
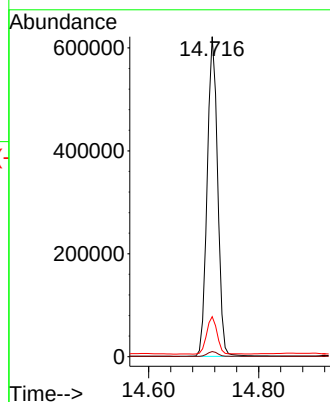
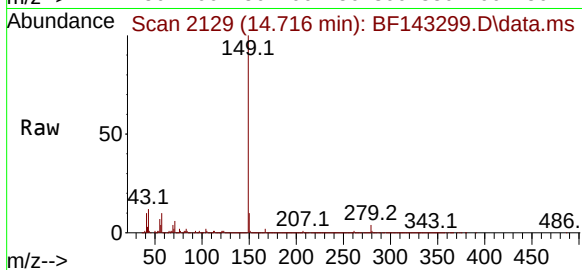
Tgt Ion:149 Resp: 818389

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

43 11.7 9.7 14.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.633 min Scan# 2285

Delta R.T. 0.012 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

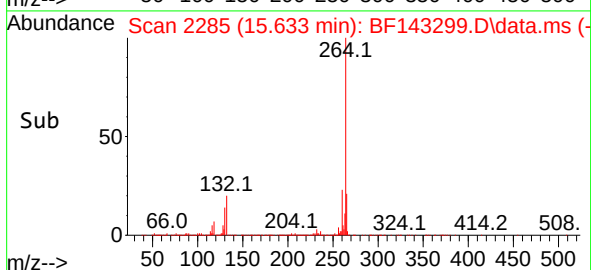
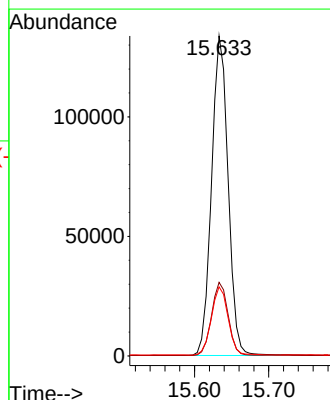
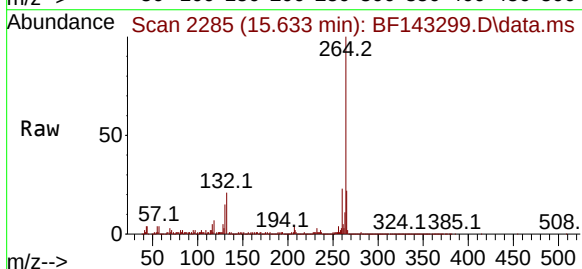
Tgt Ion:264 Resp: 207340

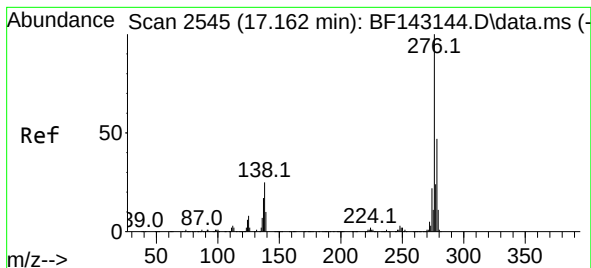
Ion Ratio Lower Upper

264 100

260 23.0 18.5 27.7

265 21.6 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 35.286 ng

RT: 17.180 min Scan# 2110

Delta R.T. 0.018 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

Instrument :

BNA_F

ClientSampleId :

VNJ-253MS

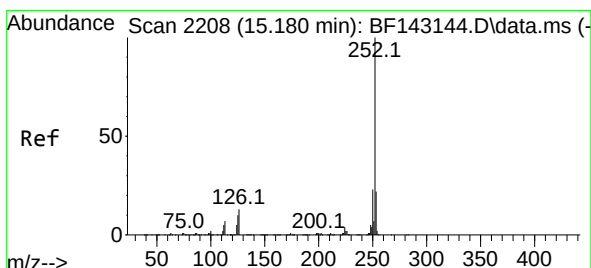
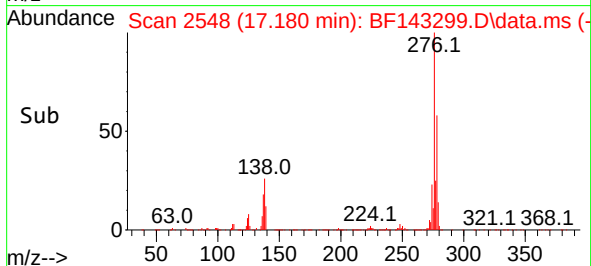
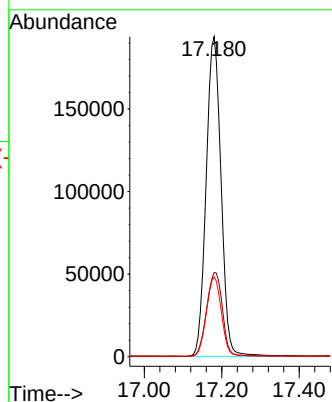
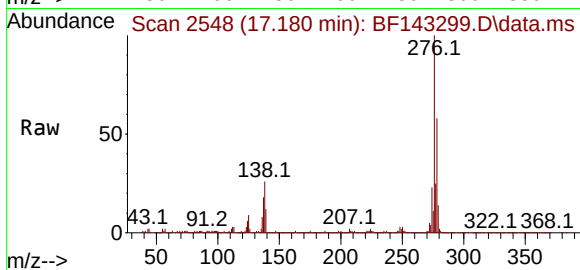
Tgt Ion:276 Resp: 515888

Ion Ratio Lower Upper

276 100

138 27.7 21.8 32.6

277 25.1 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 49.292 ng

RT: 15.192 min Scan# 2210

Delta R.T. 0.012 min

Lab File: BF143299.D

Acq: 04 Aug 2025 16:36

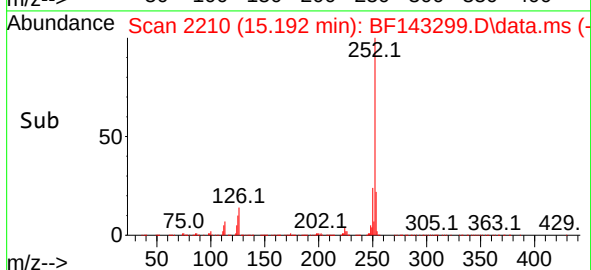
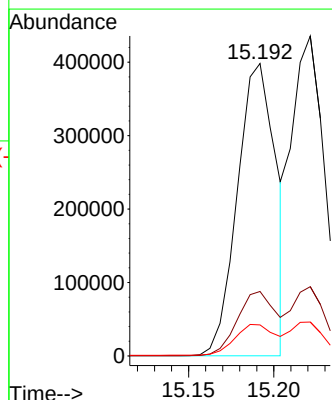
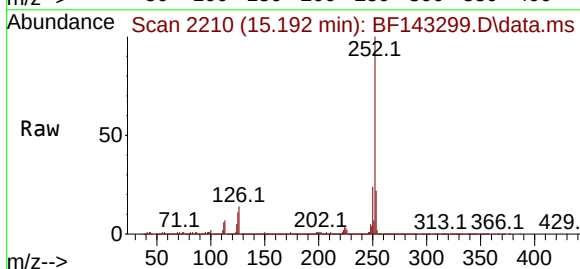
Tgt Ion:252 Resp: 624363

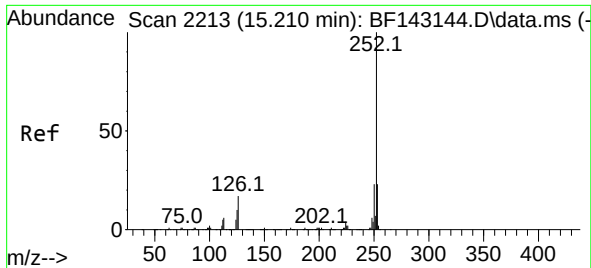
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 10.6 8.0 12.0

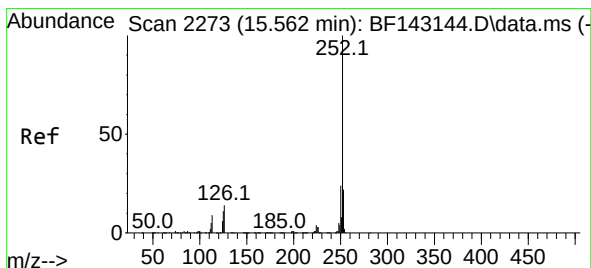
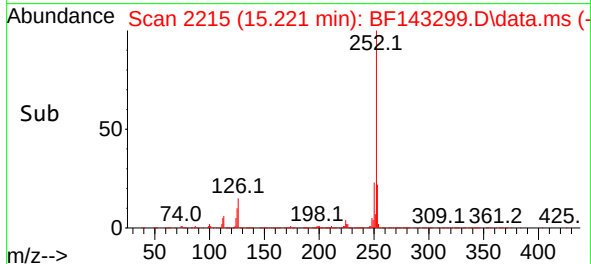
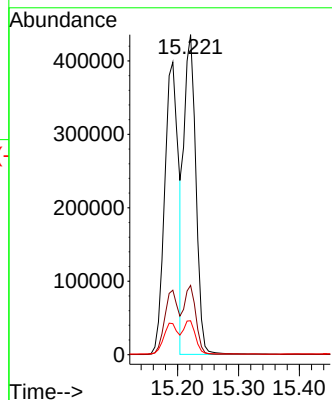
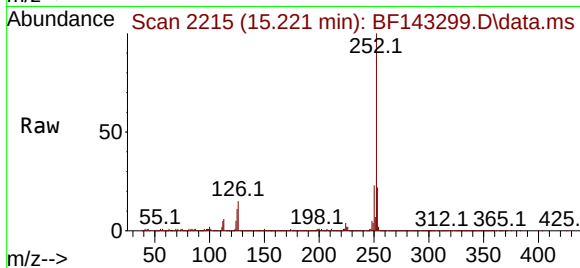




#89
Benzo(k)fluoranthene
Concen: 52.340 ng
RT: 15.221 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

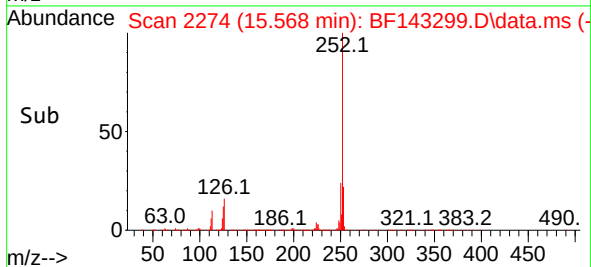
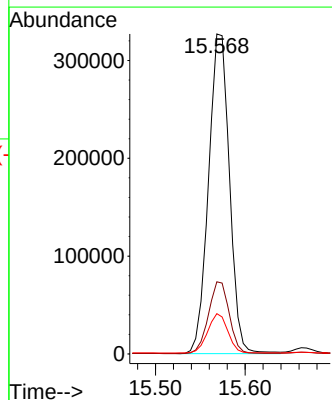
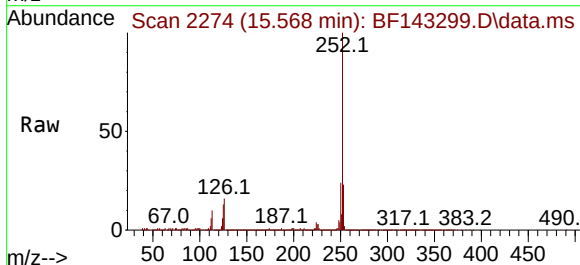
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

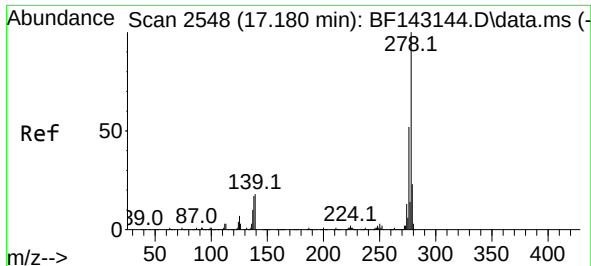
Tgt Ion:252 Resp: 591595
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.6
125 10.6 8.1 12.1



#90
Benzo(a)pyrene
Concen: 45.362 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.006 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion:252 Resp: 529389
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 12.6 8.6 13.0

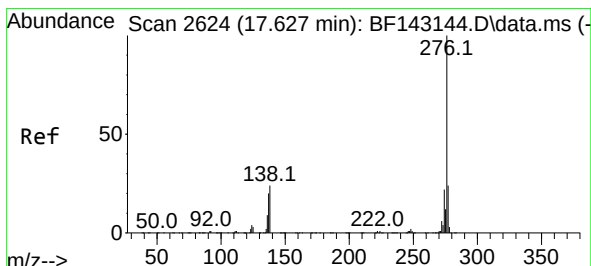
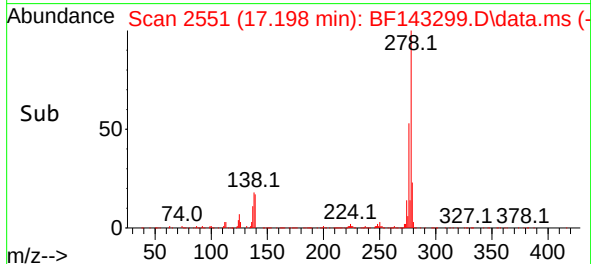
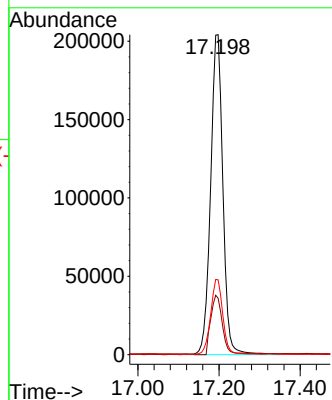
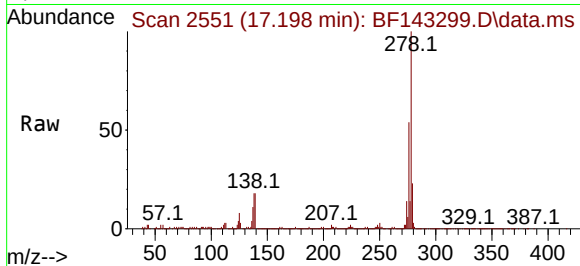




#91
Dibenzo(a,h)anthracene
Concen: 35.974 ng
RT: 17.198 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:278 Resp: 428090
Ion Ratio Lower Upper
278 100
139 17.7 14.1 21.1
279 23.4 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 34.588 ng
RT: 17.645 min Scan# 2627
Delta R.T. 0.018 min
Lab File: BF143299.D
Acq: 04 Aug 2025 16:36

Tgt Ion:276 Resp: 398145
Ion Ratio Lower Upper
276 100
277 23.4 19.1 28.7
138 24.0 18.9 28.3

