

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080425\
 Data File : BF143300.D
 Acq On : 04 Aug 2025 17:05
 Operator : RC/JU
 Sample : Q2734-02MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-253MSD

Quant Time: Aug 04 17:58:18 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	96986	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	334132	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	154347	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	269587	20.000	ng	0.00
76) Chrysene-d12	14.127	240	265485	20.000	ng	0.00
86) Perylene-d12	15.633	264	204406	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	711970	116.168	ng	0.02
7) Phenol-d6	6.593	99	806691	104.572	ng	0.00
23) Nitrobenzene-d5	7.516	82	586009	87.423	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	224518	140.809	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	976172	86.496	ng	0.00
79) Terphenyl-d14	13.069	244	1197037	67.097	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.952	88	124389	42.893	ng	# 82
3) Pyridine	3.675	79	268376	35.655	ng	98
4) n-Nitrosodimethylamine	3.605	42	167411	43.078	ng	97
6) Aniline	6.622	93	140191	13.040	ng	94
8) 2-Chlorophenol	6.751	128	257503	40.083	ng	97
9) Benzaldehyde	6.510	77	86141	14.892	ng	97
10) Phenol	6.604	94	296023	35.225	ng	99
11) bis(2-Chloroethyl)ether	6.693	93	268096	41.665	ng	100
12) 1,3-Dichlorobenzene	6.904	146	271954	38.969	ng	99
13) 1,4-Dichlorobenzene	6.981	146	269217	38.306	ng	99
14) 1,2-Dichlorobenzene	7.134	146	259190	38.775	ng	100
15) Benzyl Alcohol	7.098	79	231457	39.295	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.234	45	482608	40.432	ng	99
17) 2-Methylphenol	7.210	107	206032	38.143	ng	99
18) Hexachloroethane	7.475	117	94242	38.735	ng	95
19) n-Nitroso-di-n-propyla...	7.363	70	192493	38.894	ng	98
20) 3+4-Methylphenols	7.357	107	254378	38.815	ng	# 79
22) Acetophenone	7.363	105	352144	44.515	ng	# 97
24) Nitrobenzene	7.540	77	275987	44.162	ng	100
25) Isophorone	7.775	82	509425	43.050	ng	100
26) 2-Nitrophenol	7.851	139	125838	46.396	ng	99
27) 2,4-Dimethylphenol	7.887	122	226835	41.030	ng	99
28) bis(2-Chloroethoxy)met...	7.981	93	311804	43.948	ng	99
29) 2,4-Dichlorophenol	8.098	162	196931	42.238	ng	99
30) 1,2,4-Trichlorobenzene	8.181	180	200776	39.860	ng	100
31) Naphthalene	8.263	128	686941	41.745	ng	99
32) Benzoic acid	7.987	122	121871	40.089	ng	99
33) 4-Chloroaniline	8.304	127	74470	11.083	ng	99
34) Hexachlorobutadiene	8.387	225	127047	41.289	ng	98
35) Caprolactam	8.657	113	56383	40.019	ng	92
36) 4-Chloro-3-methylphenol	8.787	107	207121	40.871	ng	98
37) 2-Methylnaphthalene	8.957	142	411784	41.123	ng	99
38) 1-Methylnaphthalene	9.057	142	421019	40.831	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	195940	43.971	ng	99
41) Hexachlorocyclopentadiene	9.110	237	89851	30.988	ng	99
43) 2,4,6-Trichlorophenol	9.234	196	133099	43.157	ng	99

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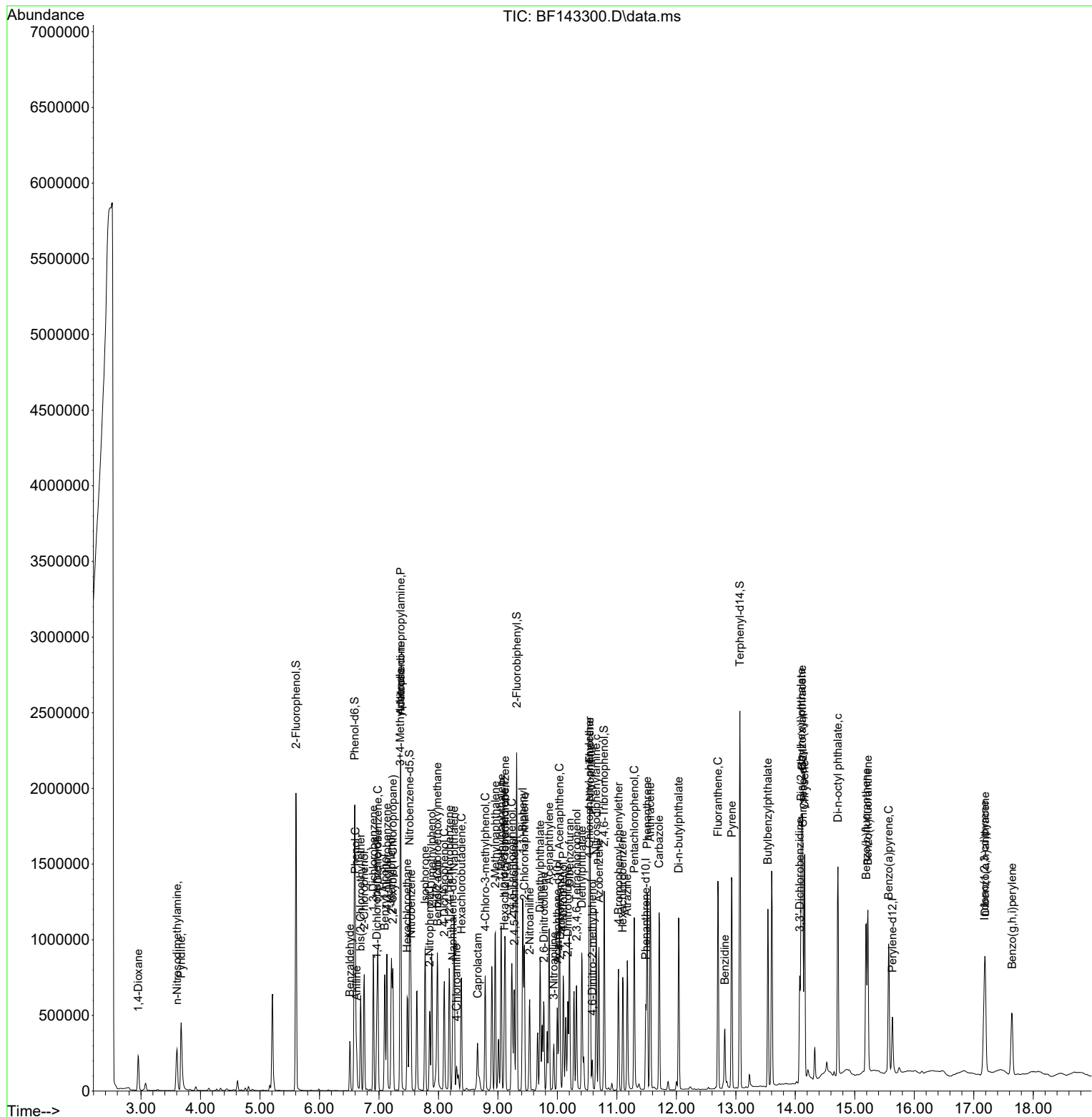
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	138604	44.929	ng	100
46) 1,1'-Biphenyl	9.416	154	546888	45.415	ng	99
47) 2-Chloronaphthalene	9.445	162	387146	43.449	ng	99
48) 2-Nitroaniline	9.534	65	142450	50.980	ng	99
49) Acenaphthylene	9.863	152	672653	45.047	ng	99
50) Dimethylphthalate	9.710	163	493247	49.027	ng	99
51) 2,6-Dinitrotoluene	9.775	165	100705	49.205	ng	98
52) Acenaphthene	10.034	154	405319	45.925	ng	99
53) 3-Nitroaniline	9.939	138	63975	26.724	ng	96
54) 2,4-Dinitrophenol	10.045	184	46116	52.238	ng	# 32
55) Dibenzofuran	10.204	168	578948	44.183	ng	98
56) 4-Nitrophenol	10.098	139	169033	94.557	ng	99
57) 2,4-Dinitrotoluene	10.175	165	135158	52.637	ng	97
58) Fluorene	10.545	166	453185	46.082	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	121393	47.503	ng	97
60) Diethylphthalate	10.410	149	475096	47.777	ng	100
61) 4-Chlorophenyl-phenyle...	10.534	204	221405	45.213	ng	99
62) 4-Nitroaniline	10.551	138	91927	44.805	ng	97
63) Azobenzene	10.698	77	472740	45.614	ng	99
65) 4,6-Dinitro-2-methylph...	10.586	198	31553	25.221	ng	96
66) n-Nitrosodiphenylamine	10.651	169	401360	42.280	ng	100
67) 4-Bromophenyl-phenylether	11.028	248	135881	42.294	ng	97
68) Hexachlorobenzene	11.098	284	138727	41.312	ng	97
69) Atrazine	11.175	200	126960	48.511	ng	100
70) Pentachlorophenol	11.292	266	190389	96.410	ng	98
71) Phenanthrene	11.510	178	654491	45.723	ng	100
72) Anthracene	11.563	178	668046	45.760	ng	100
73) Carbazole	11.710	167	665579	52.212	ng	100
74) Di-n-butylphthalate	12.039	149	780591	54.117	ng	100
75) Fluoranthene	12.698	202	783575	59.639	ng	99
77) Benzidine	12.816	184	223952	21.895	ng	98
78) Pyrene	12.933	202	828228	36.554	ng	99
80) Butylbenzylphthalate	13.539	149	359410	51.802	ng	100
81) Benzo(a)anthracene	14.116	228	816712	45.949	ng	99
82) 3,3'-Dichlorobenzidine	14.074	252	204886	34.586	ng	100
83) Chrysene	14.157	228	709021	44.367	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	520769	49.590	ng	99
85) Di-n-octyl phthalate	14.716	149	901432	47.356	ng	99
87) Indeno(1,2,3-cd)pyrene	17.180	276	505522	35.073	ng	99
88) Benzo(b)fluoranthene	15.192	252	642942	51.487	ng	100
89) Benzo(k)fluoranthene	15.221	252	599308	53.783	ng	100
90) Benzo(a)pyrene	15.568	252	539511	46.893	ng	98
91) Dibenzo(a,h)anthracene	17.192	278	416257	35.482	ng	98
92) Benzo(g,h,i)perylene	17.645	276	389463	34.319	ng	99

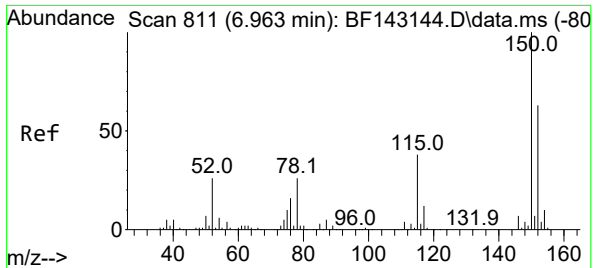
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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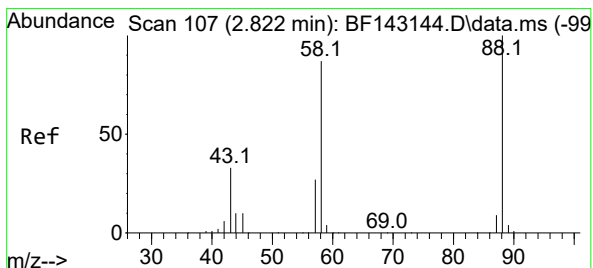
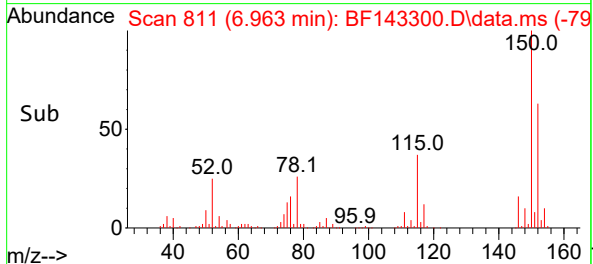
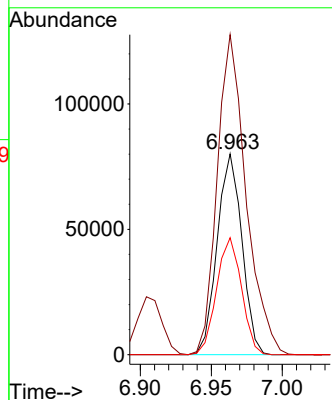
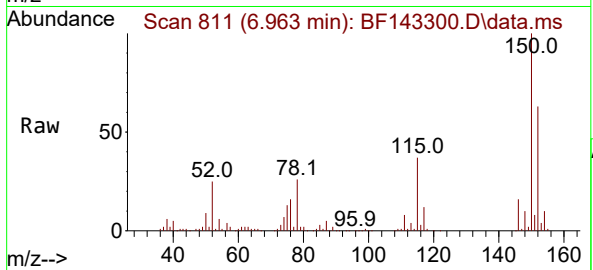




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF143300.D
 Acq: 04 Aug 2025 17:05

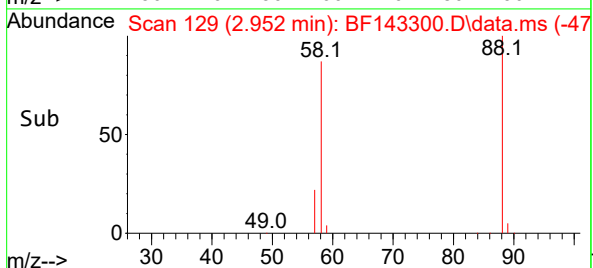
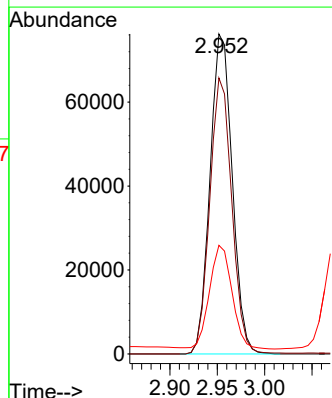
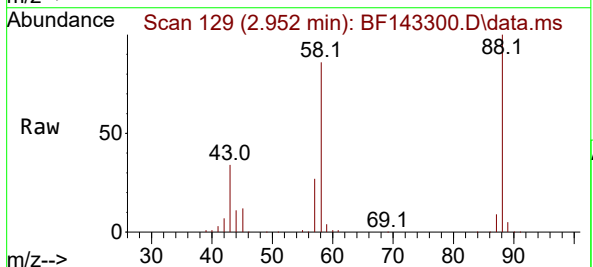
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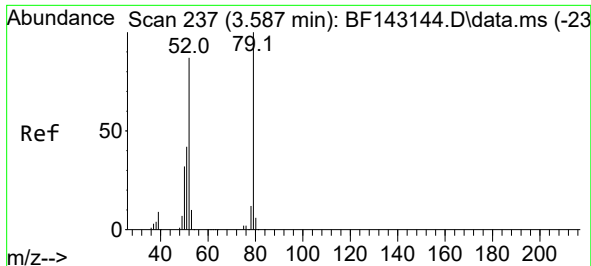
Tgt Ion:152 Resp: 96986
 Ion Ratio Lower Upper
 152 100
 150 159.3 128.2 192.4
 115 58.3 47.9 71.9



#2
 1,4-Dioxane
 Concen: 42.893 ng
 RT: 2.952 min Scan# 129
 Delta R.T. 0.130 min
 Lab File: BF143300.D
 Acq: 04 Aug 2025 17:05

Tgt Ion: 88 Resp: 124389
 Ion Ratio Lower Upper
 88 100
 58 86.0 70.2 105.2
 43 0.0 27.1 40.7#





#3

Pyridine

Concen: 35.655 ng

RT: 3.675 min Scan# 21

Delta R.T. 0.088 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

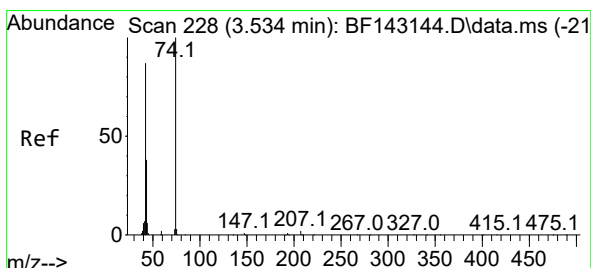
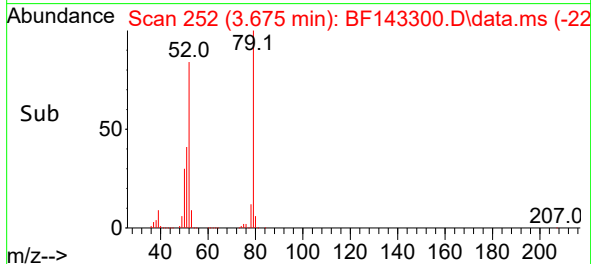
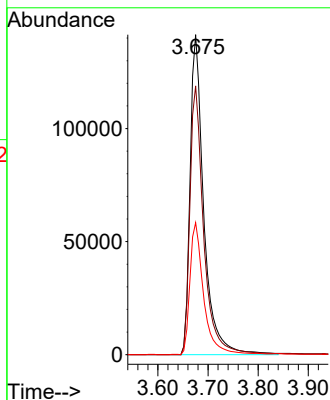
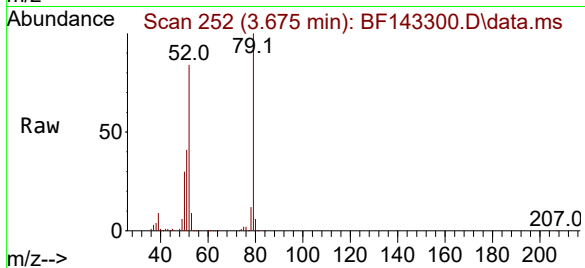
Tgt Ion: 79 Resp: 268376

Ion Ratio Lower Upper

79 100

52 84.0 69.4 104.2

51 41.2 33.5 50.3



#4

n-Nitrosodimethylamine

Concen: 43.078 ng

RT: 3.605 min Scan# 240

Delta R.T. 0.071 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

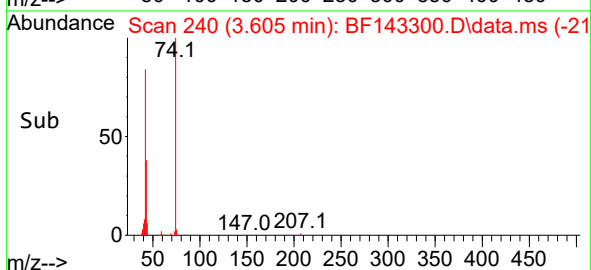
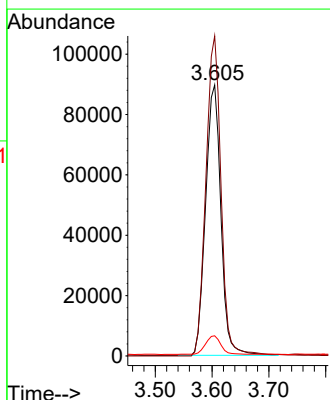
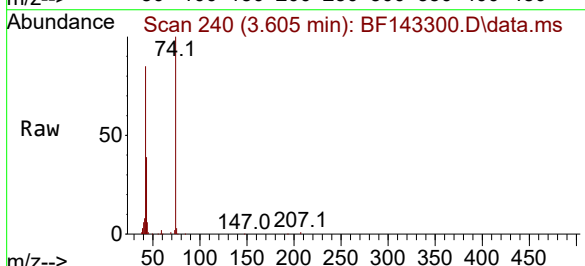
Tgt Ion: 42 Resp: 167411

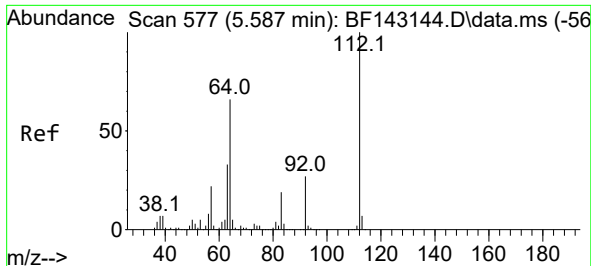
Ion Ratio Lower Upper

42 100

74 118.1 91.7 137.5

44 7.4 5.6 8.4

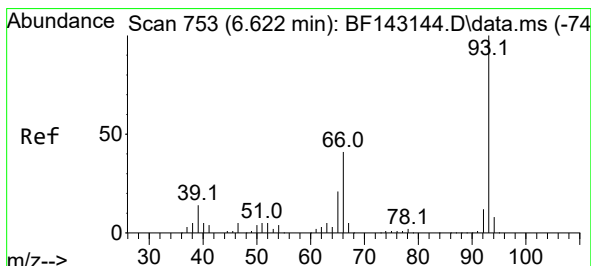
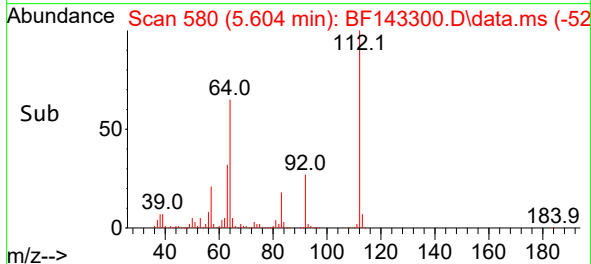
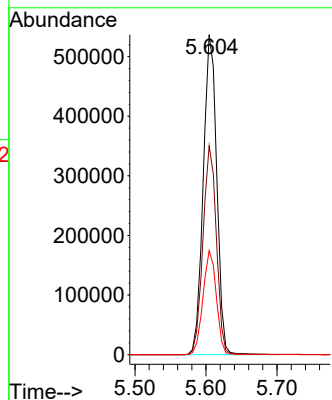
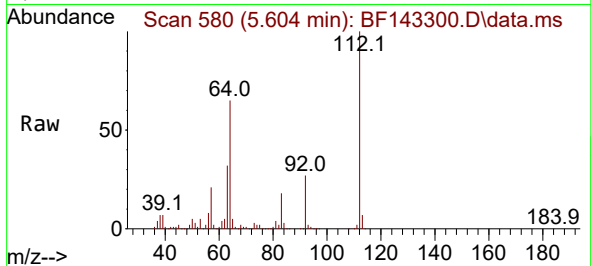




#5
2-Fluorophenol
Concen: 116.168 ng
RT: 5.604 min Scan# 577
Delta R.T. 0.018 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

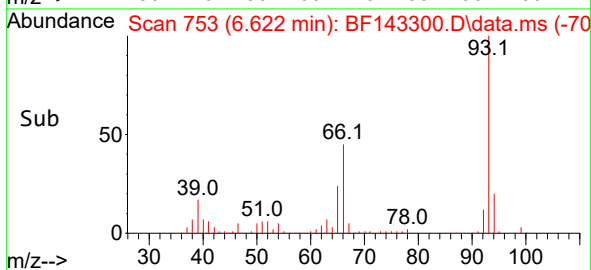
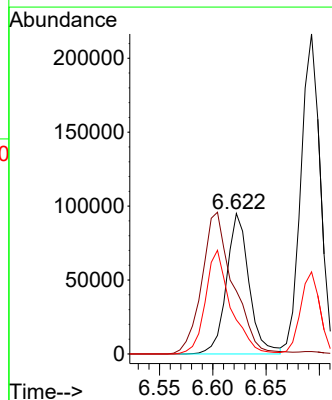
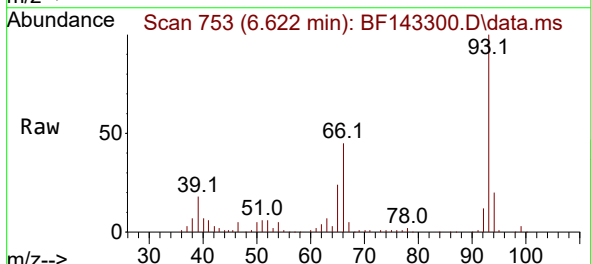
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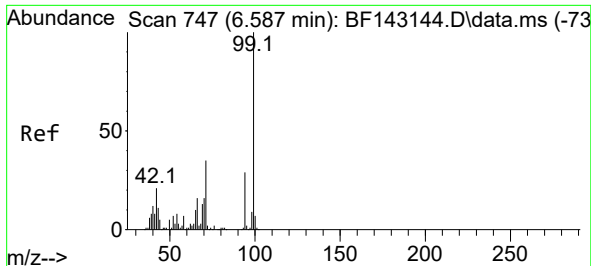
Tgt Ion:112 Resp: 711970
Ion Ratio Lower Upper
112 100
64 65.2 53.1 79.7
63 32.5 26.6 40.0



#6
Aniline
Concen: 13.040 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

Tgt Ion: 93 Resp: 140191
Ion Ratio Lower Upper
93 100
66 44.9 33.2 49.8
65 24.2 16.9 25.3

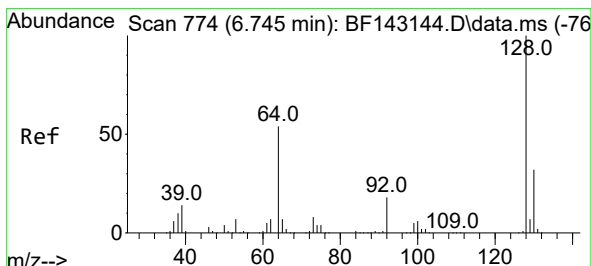
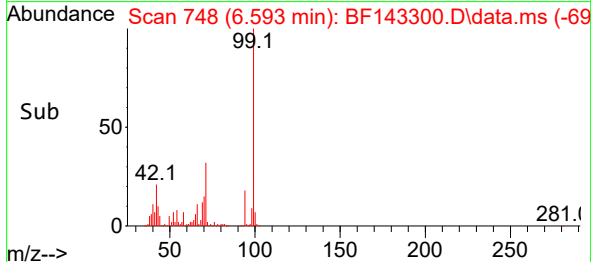
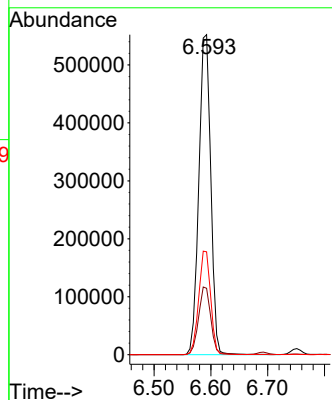
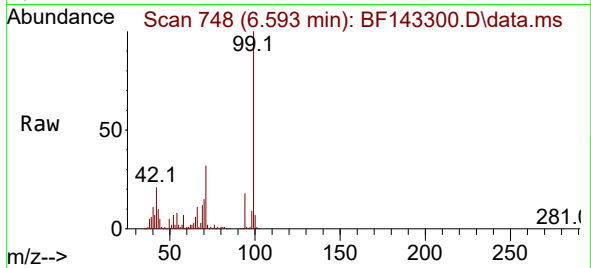




#7
Phenol-d6
Concen: 104.572 ng
RT: 6.593 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

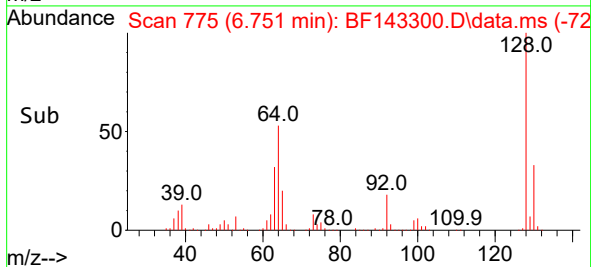
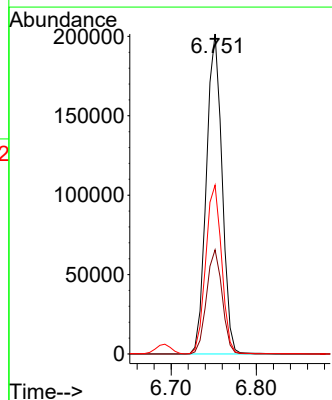
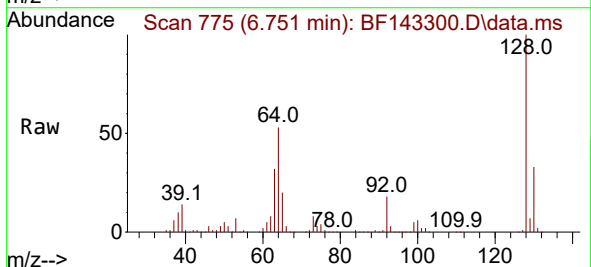
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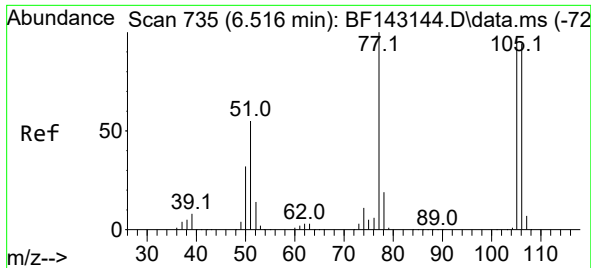
Tgt Ion: 99 Resp: 806691
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 32.1 27.7 41.5



#8
2-Chlorophenol
Concen: 40.083 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

Tgt Ion: 128 Resp: 257503
Ion Ratio Lower Upper
128 100
130 32.6 12.3 52.3
64 52.8 35.9 75.9

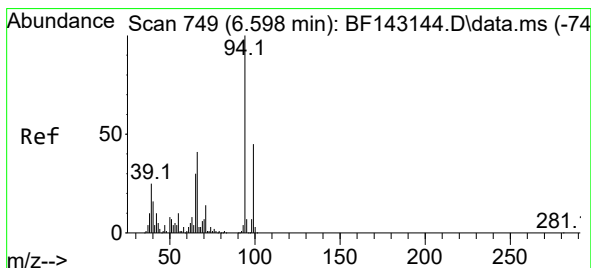
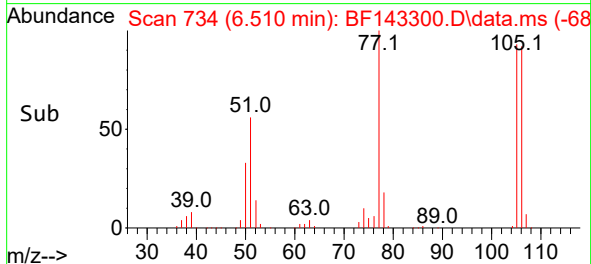
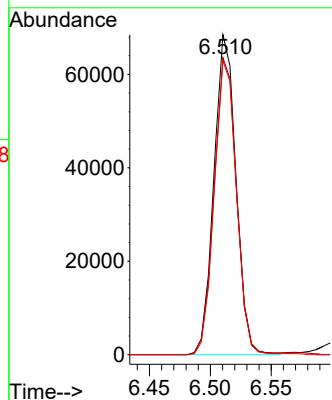
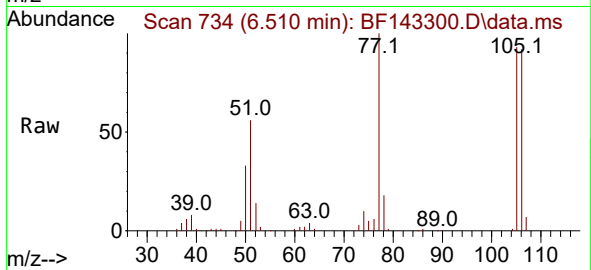




#9
Benzaldehyde
Concen: 14.892 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

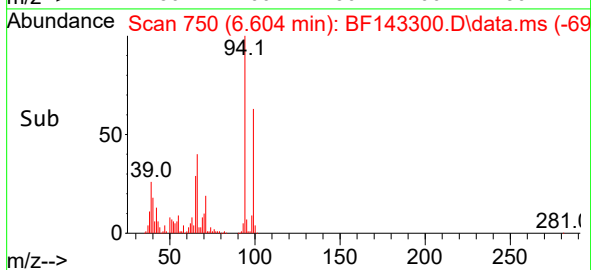
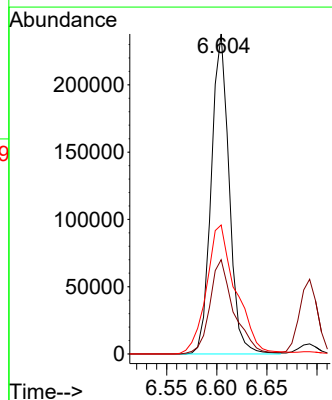
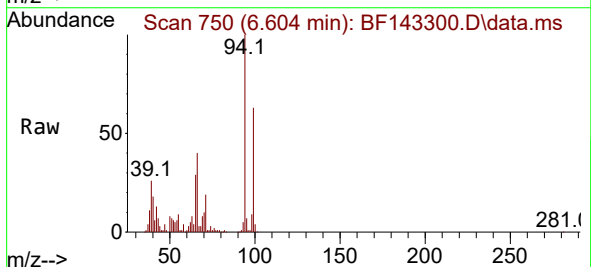
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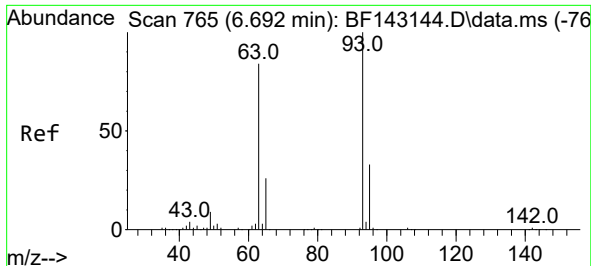
Tgt Ion: 77 Resp: 86141
Ion Ratio Lower Upper
77 100
105 92.8 76.8 116.8
106 91.9 74.4 114.4



#10
Phenol
Concen: 35.225 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
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Tgt Ion: 94 Resp: 296023
Ion Ratio Lower Upper
94 100
65 29.5 10.0 50.0
66 40.3 20.8 60.8

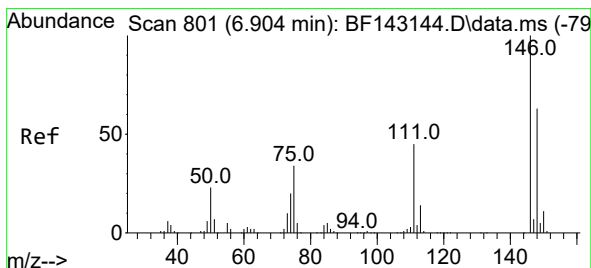
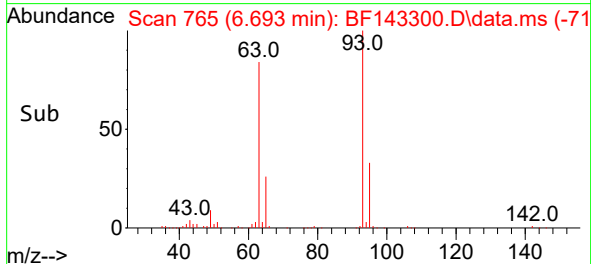
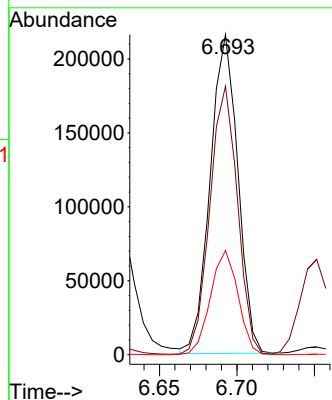
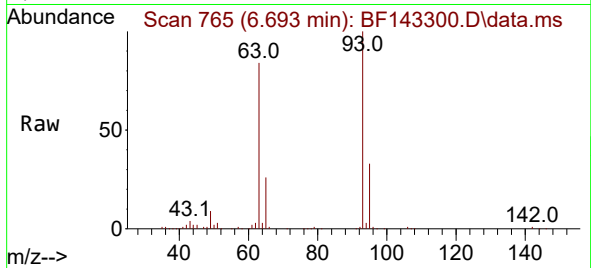




#11
bis(2-Chloroethyl)ether
Concen: 41.665 ng
RT: 6.693 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

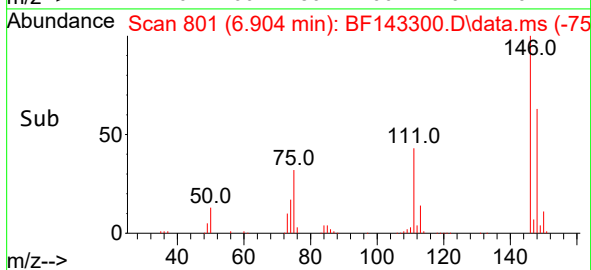
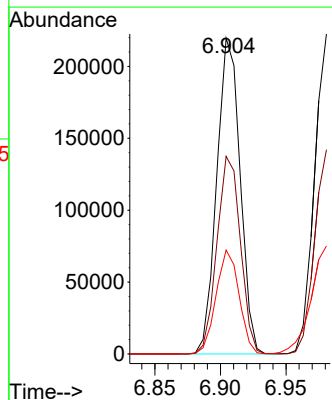
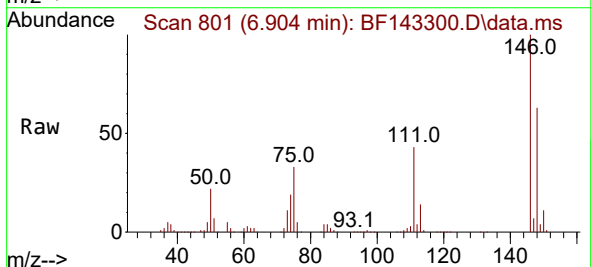
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

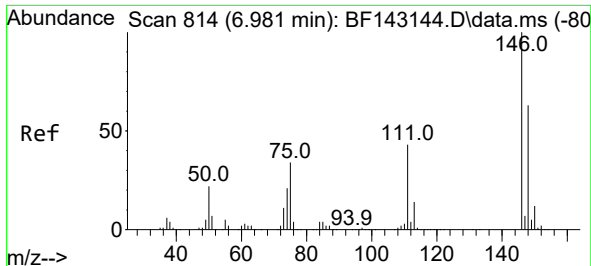
Tgt Ion: 93 Resp: 268096
Ion Ratio Lower Upper
93 100
63 83.9 63.4 103.4
95 32.5 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 38.969 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

Tgt Ion: 146 Resp: 271954
Ion Ratio Lower Upper
146 100
148 62.6 50.6 76.0
75 32.9 27.4 41.2

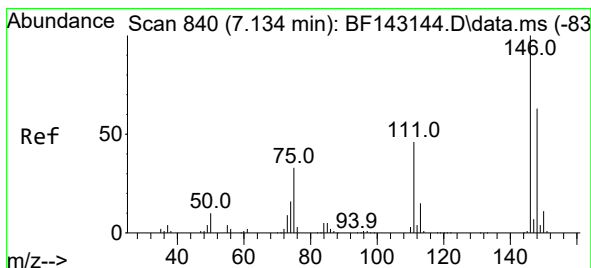
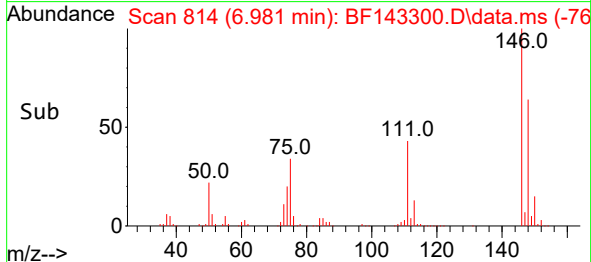
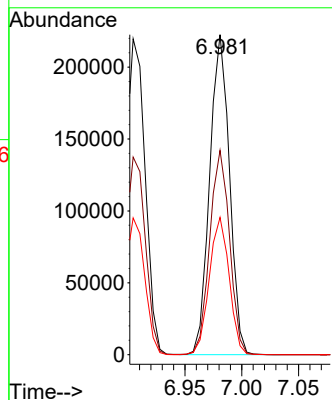
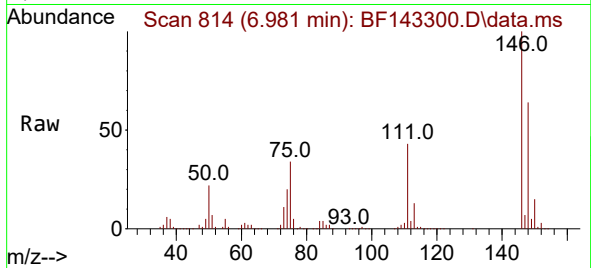




#13
1,4-Dichlorobenzene
Concen: 38.306 ng
RT: 6.981 min Scan# 814
Delta R.T. 0.000 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

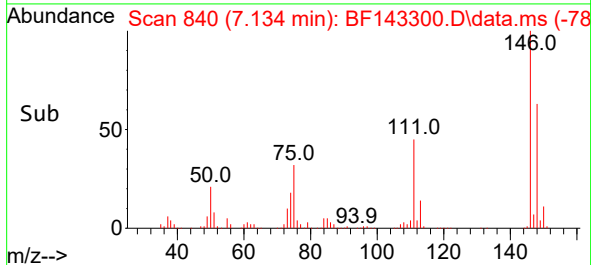
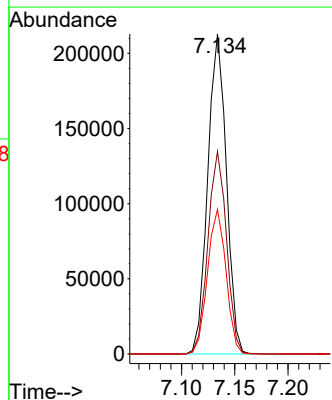
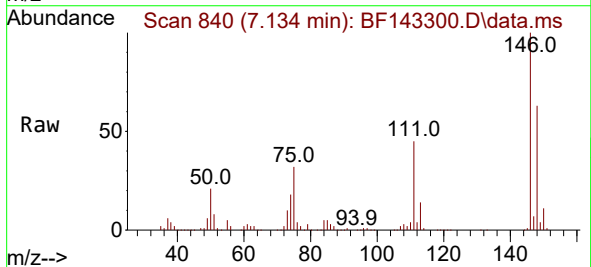
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

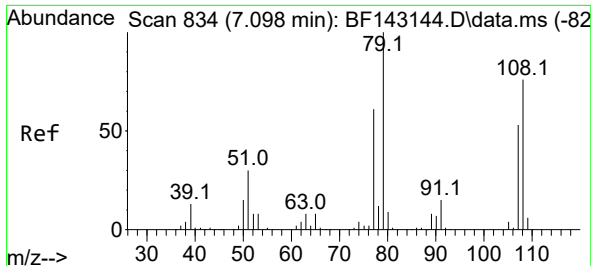
Tgt Ion:146 Resp: 269217
Ion Ratio Lower Upper
146 100
148 63.9 50.3 75.5
111 42.9 34.4 51.6



#14
1,2-Dichlorobenzene
Concen: 38.775 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

Tgt Ion:146 Resp: 259190
Ion Ratio Lower Upper
146 100
148 63.3 50.7 76.1
111 45.2 36.6 54.8

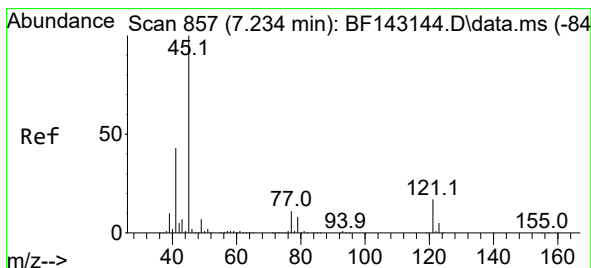
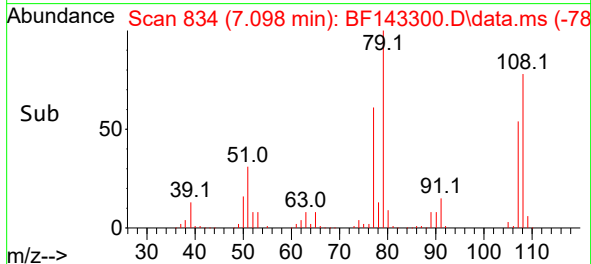
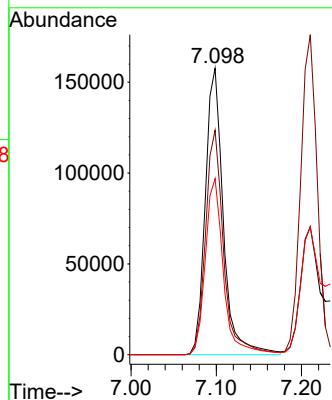
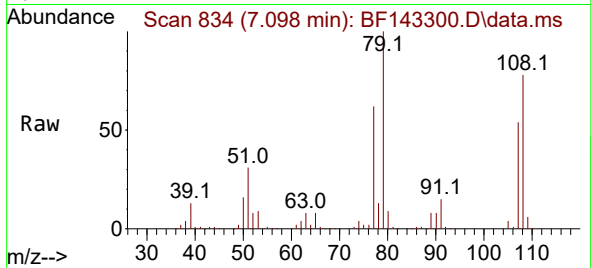




#15
Benzyl Alcohol
Concen: 39.295 ng
RT: 7.098 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

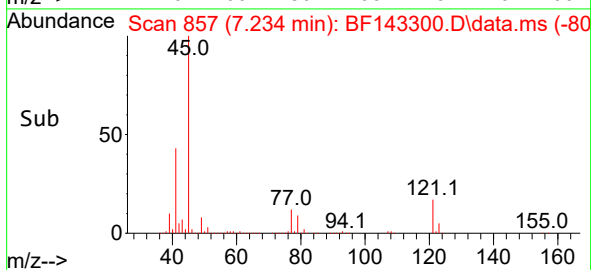
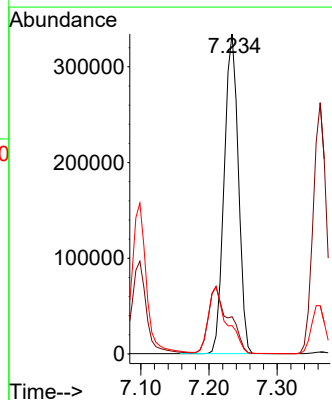
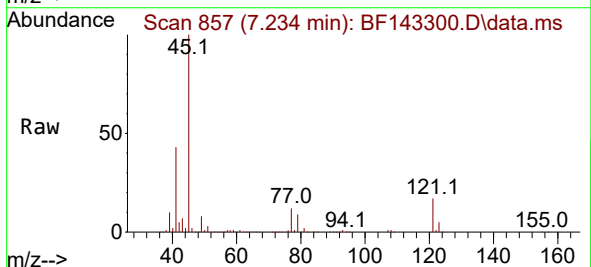
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

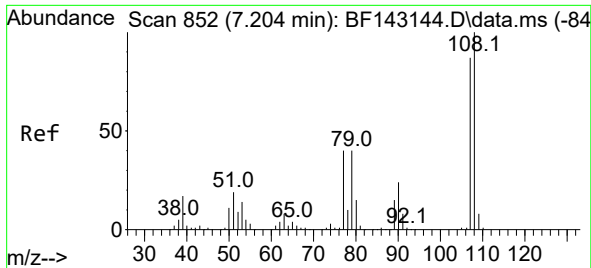
Tgt Ion: 79 Resp: 231457
Ion Ratio Lower Upper
79 100
108 78.4 61.1 91.7
77 61.5 48.9 73.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.432 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

Tgt Ion: 45 Resp: 482608
Ion Ratio Lower Upper
45 100
77 11.6 0.0 31.2
79 8.9 0.0 28.5

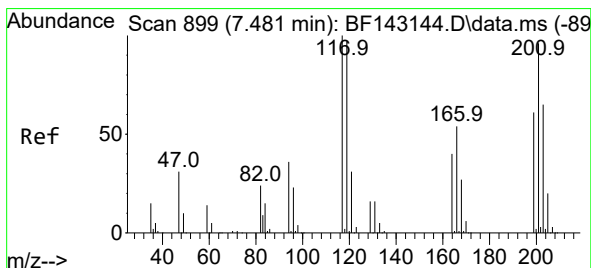
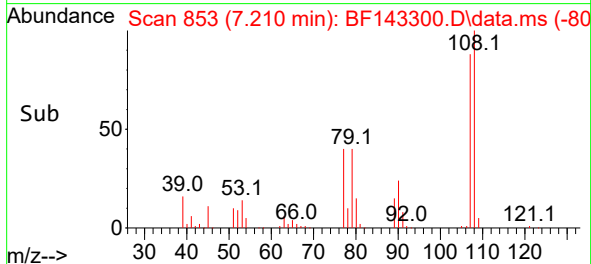
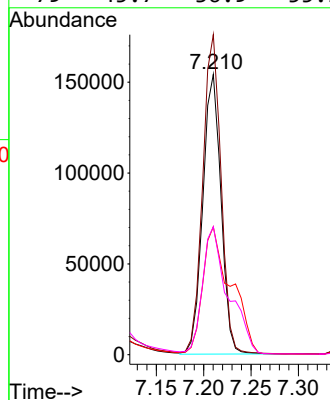
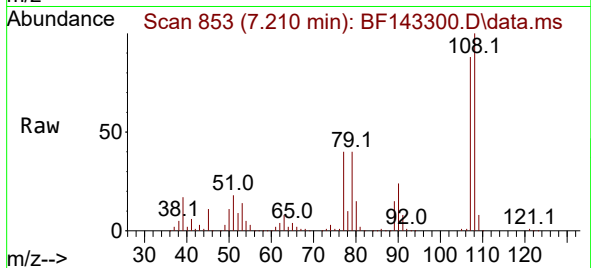




#17
2-Methylphenol
Concen: 38.143 ng
RT: 7.210 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

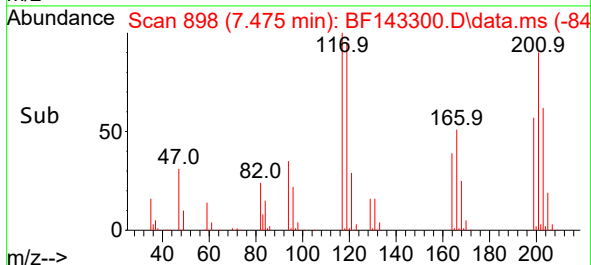
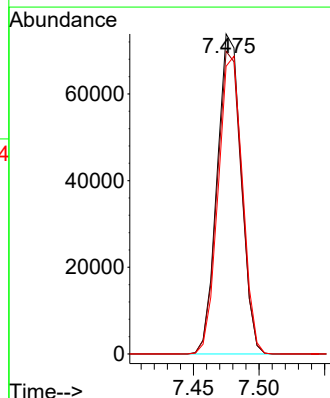
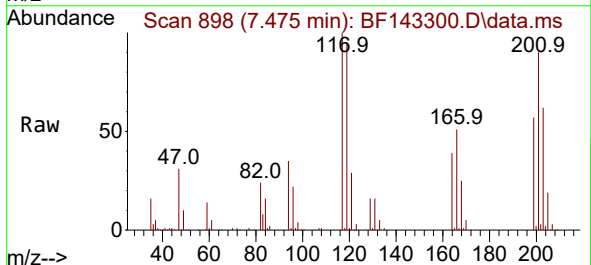
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

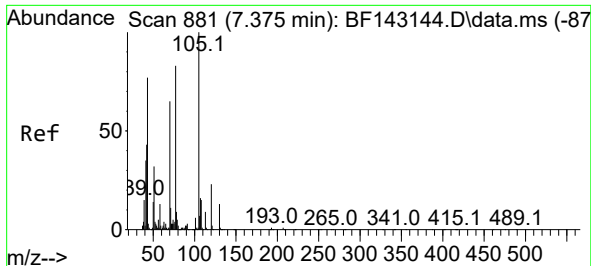
Tgt Ion:	107	Resp:	206032
Ion	Ratio	Lower	Upper
107	100		
108	114.1	91.8	137.6
77	45.6	37.0	55.6
79	45.7	36.9	55.3



#18
Hexachloroethane
Concen: 38.735 ng
RT: 7.475 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

Tgt Ion:	117	Resp:	94242
Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.8	116.8
201	89.9	77.0	115.4

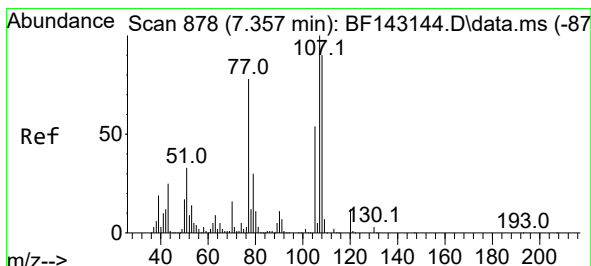
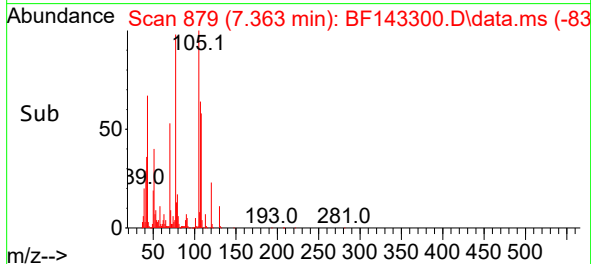
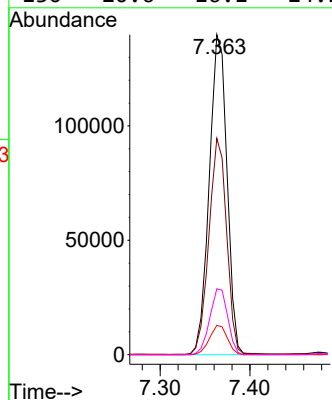
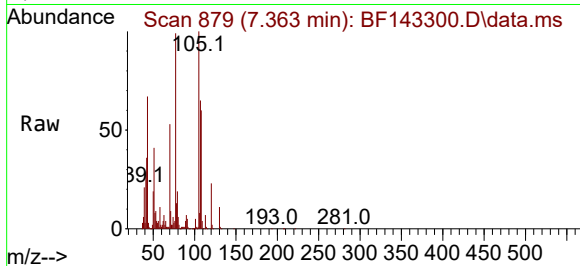




#19
n-Nitroso-di-n-propylamine
Concen: 38.894 ng
RT: 7.363 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

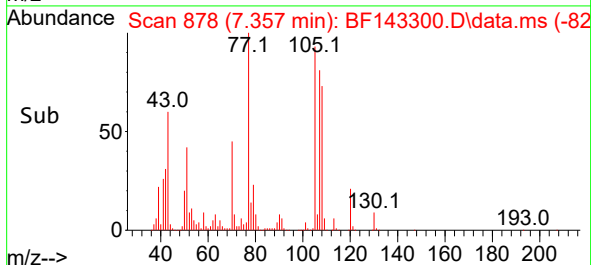
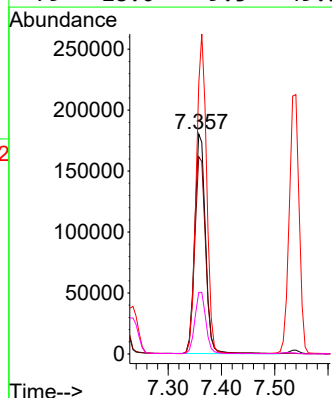
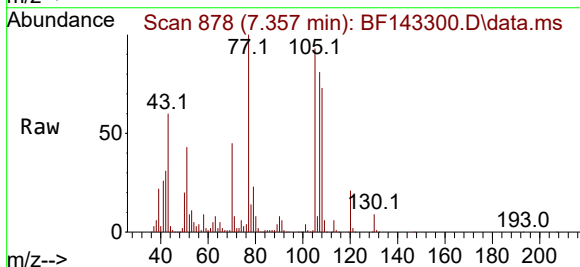
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

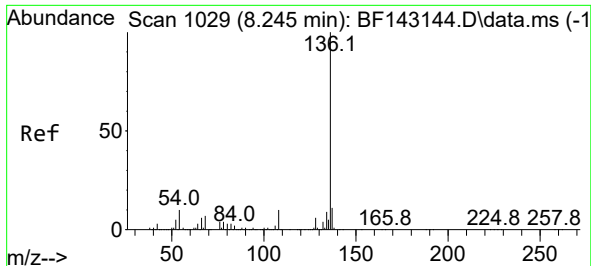
Tgt Ion:	70	Resp:	192493
Ion	Ratio	Lower	Upper
70	100		
42	67.6	52.5	78.7
101	9.1	7.6	11.4
130	20.6	16.1	24.1



#20
3+4-Methylphenols
Concen: 38.815 ng
RT: 7.357 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

Tgt Ion:	107	Resp:	254378
Ion	Ratio	Lower	Upper
107	100		
108	89.6	70.0	110.0
77	122.8	57.8	97.8#
79	28.0	9.5	49.5



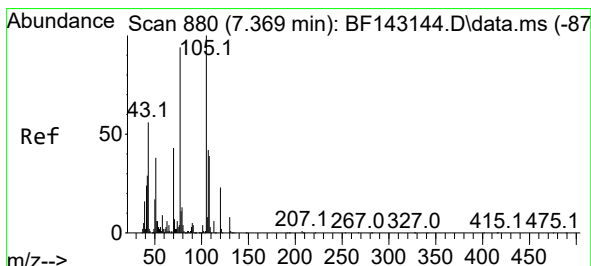
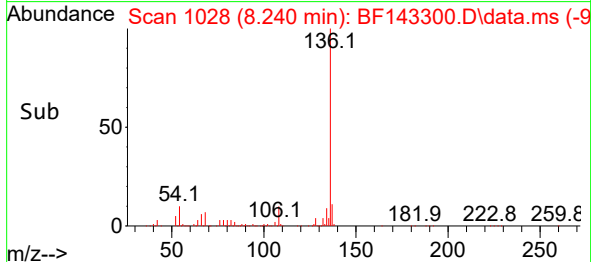
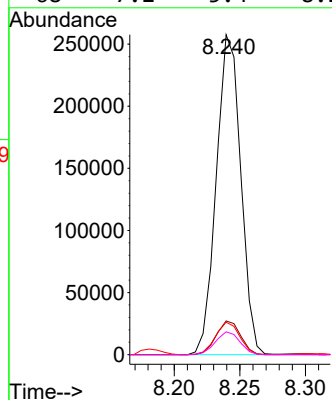
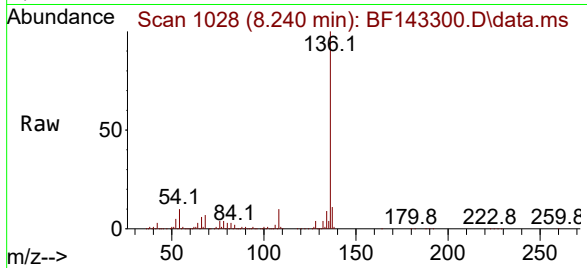


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:136 Resp: 334132

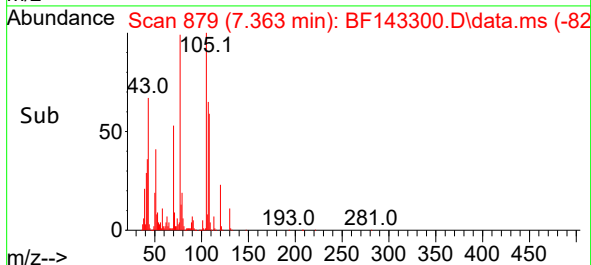
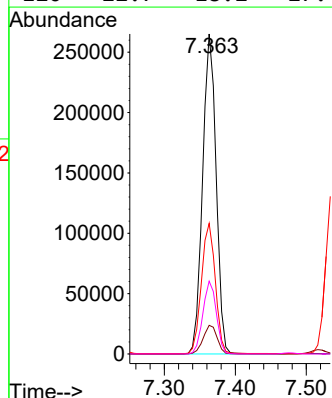
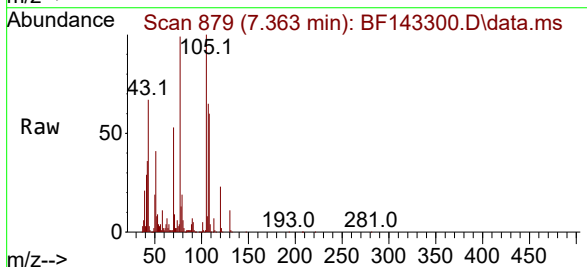
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	10.2	8.2	12.2
68	7.2	5.4	8.2

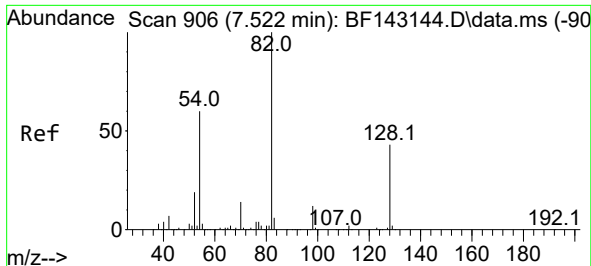


#22
Acetophenone
Concen: 44.515 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

Tgt Ion:105 Resp: 352144

Ion	Ratio	Lower	Upper
105	100		
71	9.0	5.8	8.6
51	40.8	30.2	45.2
120	22.7	18.2	27.4





#23

Nitrobenzene-d5

Concen: 87.423 ng

RT: 7.516 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

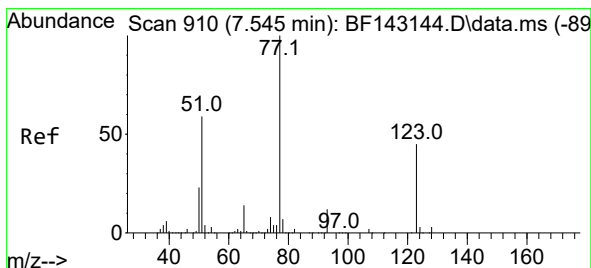
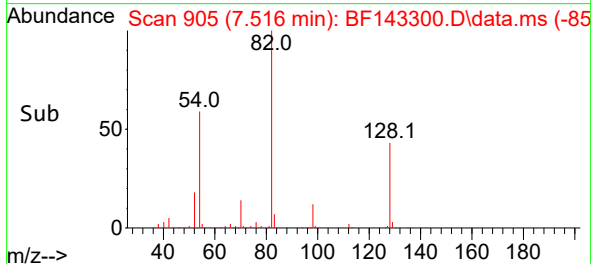
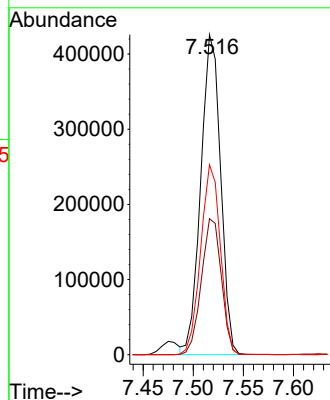
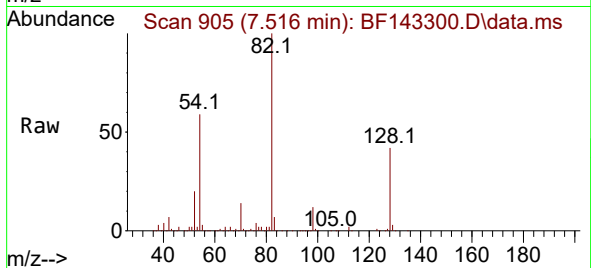
Tgt Ion: 82 Resp: 586009

Ion Ratio Lower Upper

82 100

128 42.5 33.6 50.4

54 59.4 47.1 70.7



#24

Nitrobenzene

Concen: 44.162 ng

RT: 7.540 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

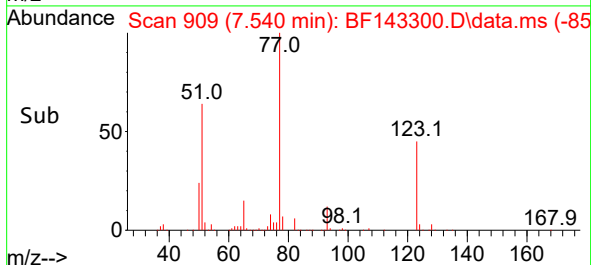
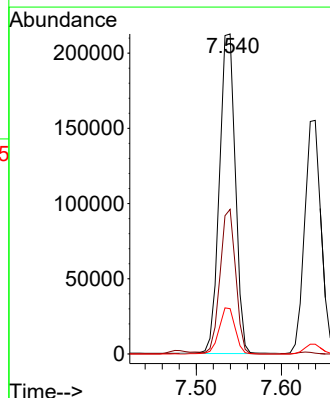
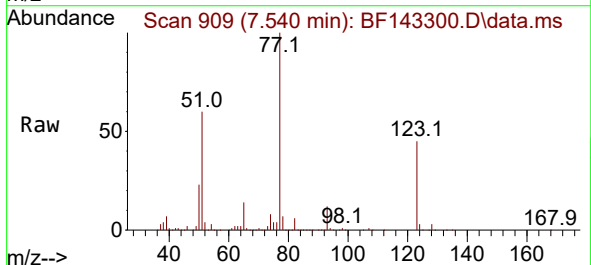
Tgt Ion: 77 Resp: 275987

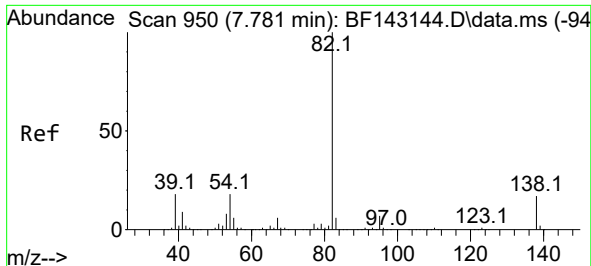
Ion Ratio Lower Upper

77 100

123 45.2 36.1 54.1

65 14.1 11.4 17.2

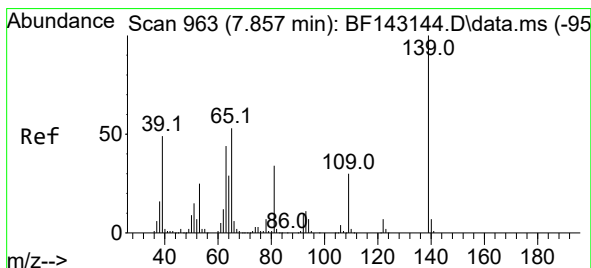
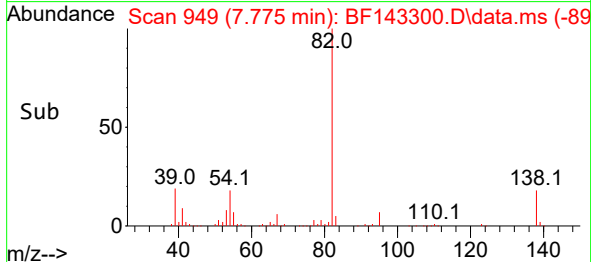
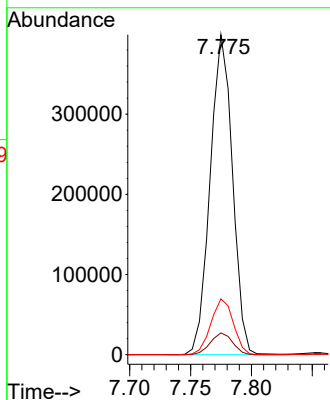
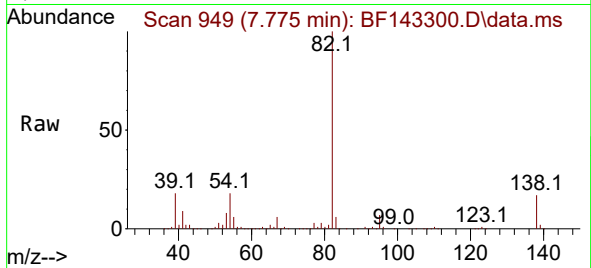




#25
Isophorone
Concen: 43.050 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

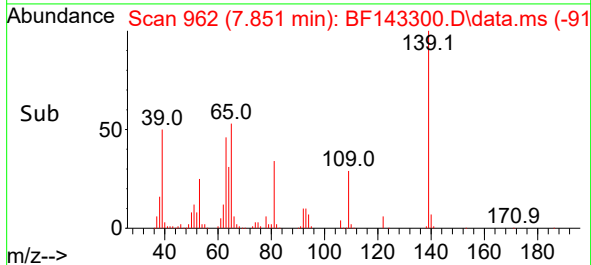
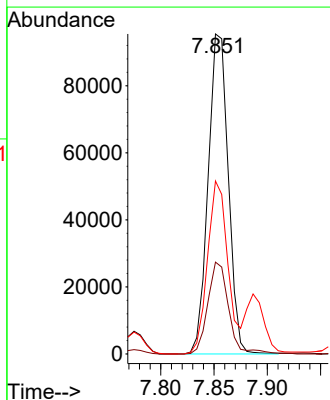
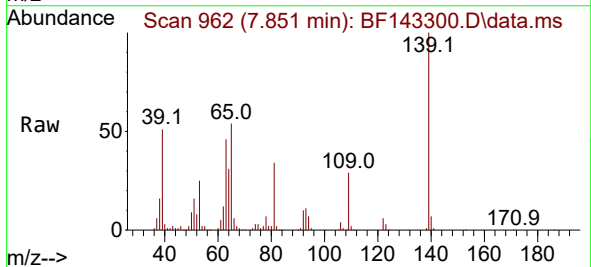
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

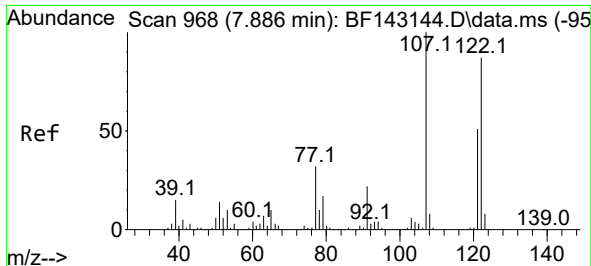
Tgt Ion: 82 Resp: 509425
Ion Ratio Lower Upper
82 100
95 6.8 5.5 8.3
138 17.5 13.8 20.8



#26
2-Nitrophenol
Concen: 46.396 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

Tgt Ion:139 Resp: 125838
Ion Ratio Lower Upper
139 100
109 28.7 23.6 35.4
65 54.1 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 41.030 ng

RT: 7.887 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

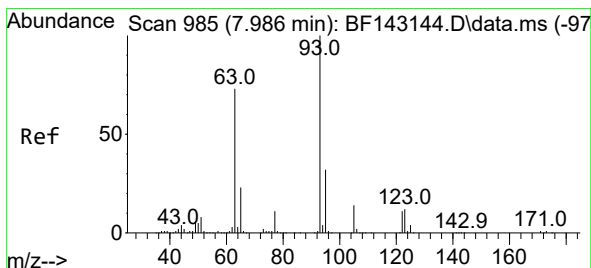
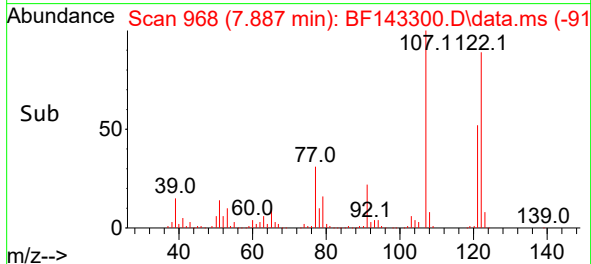
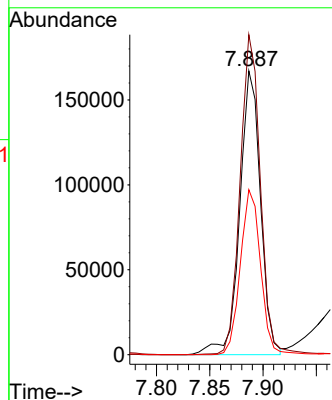
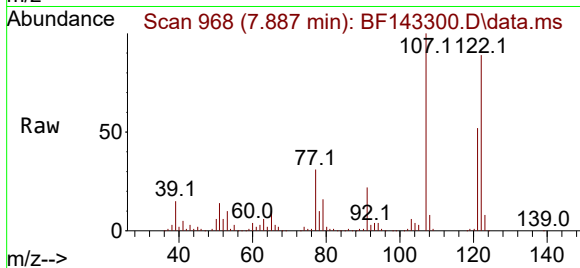
Tgt Ion:122 Resp: 226835

Ion Ratio Lower Upper

122 100

107 112.8 91.8 137.6

121 58.1 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 43.948 ng

RT: 7.981 min Scan# 984

Delta R.T. -0.006 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

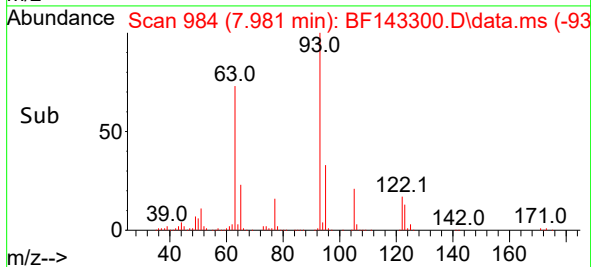
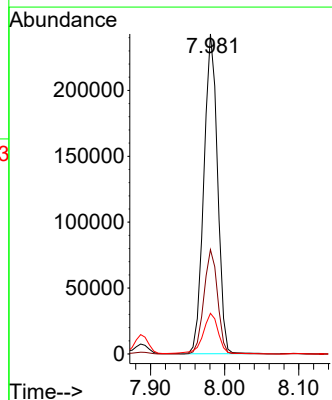
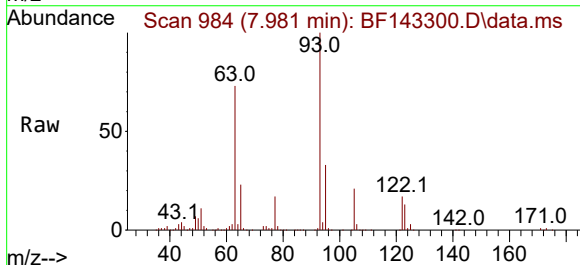
Tgt Ion: 93 Resp: 311804

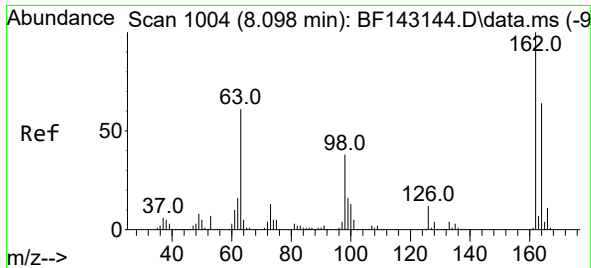
Ion Ratio Lower Upper

93 100

95 32.6 25.8 38.6

123 12.7 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 42.238 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

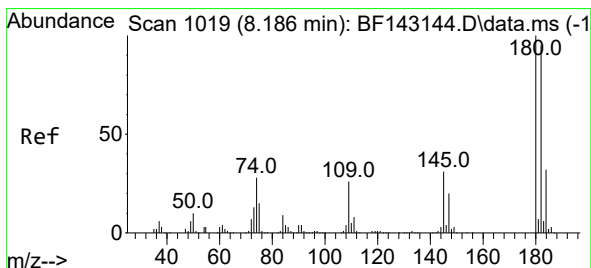
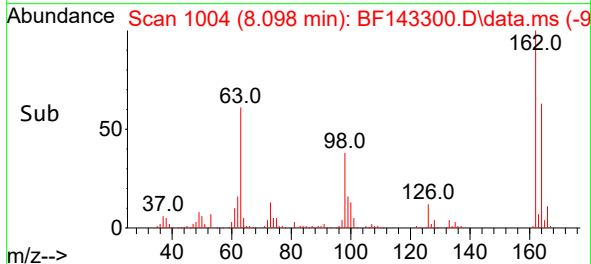
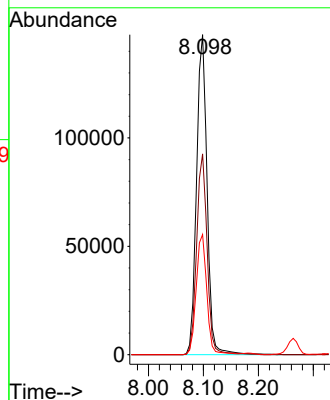
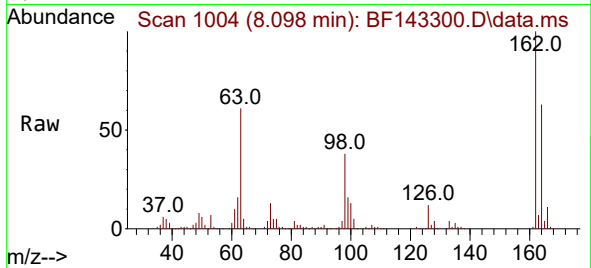
Tgt Ion:162 Resp: 196931

Ion Ratio Lower Upper

162 100

164 62.7 44.2 84.2

98 37.5 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 39.860 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

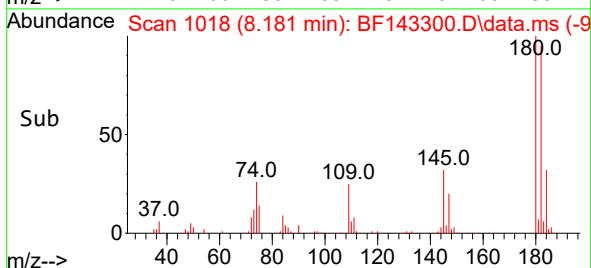
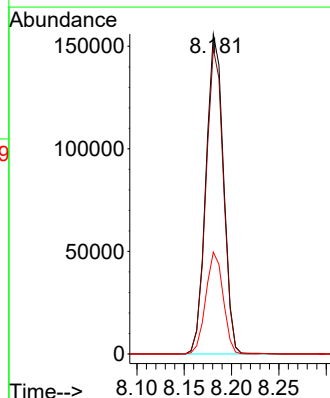
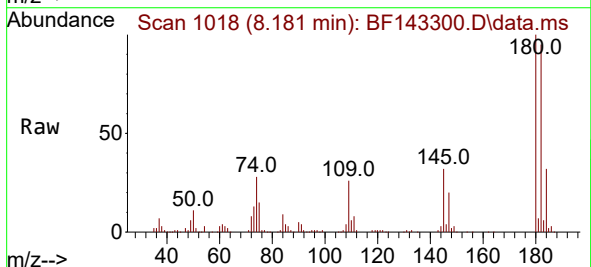
Tgt Ion:180 Resp: 200776

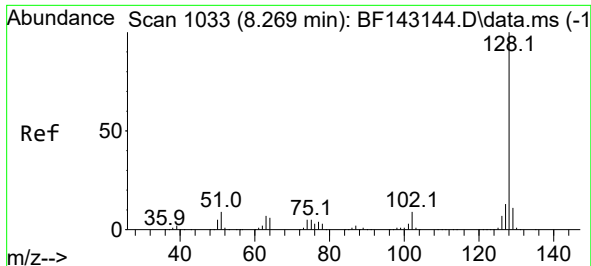
Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.2

145 31.8 25.0 37.6

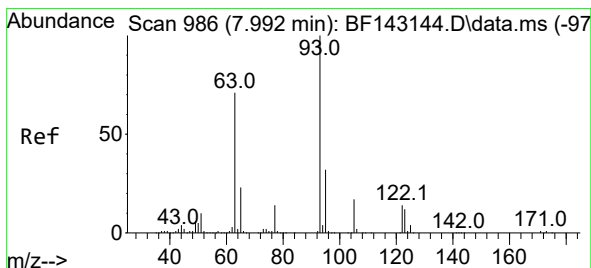
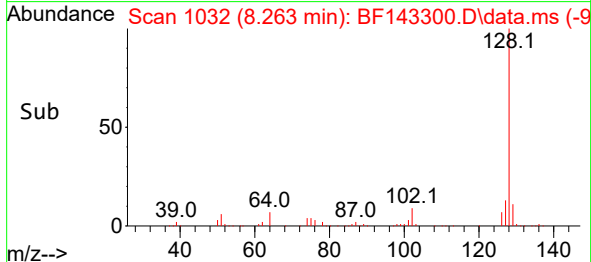
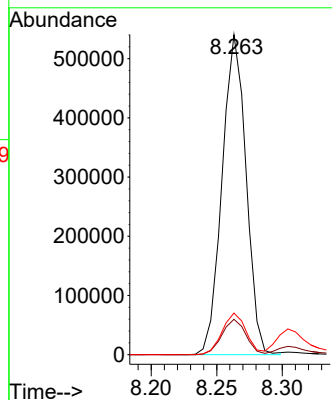
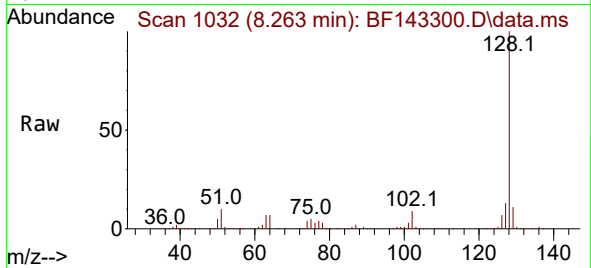




#31
Naphthalene
Concen: 41.745 ng
RT: 8.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

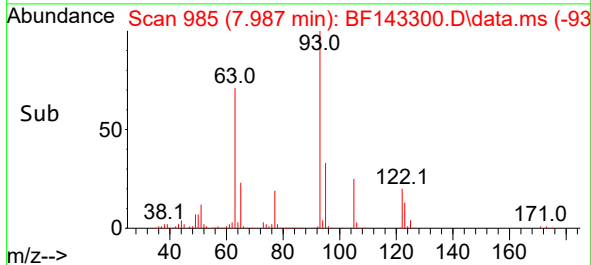
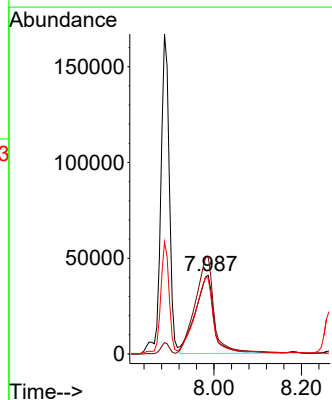
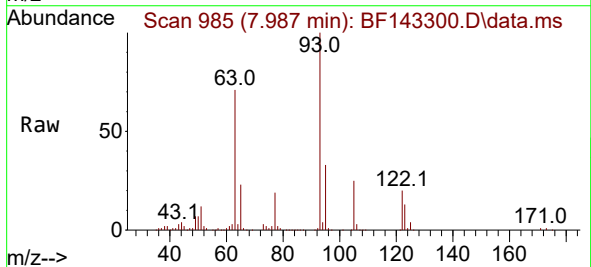
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

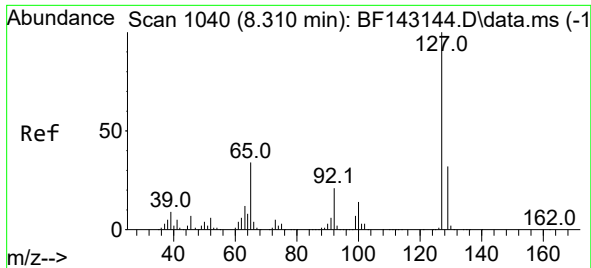
Tgt Ion:128 Resp: 686941
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.0 10.6 16.0



#32
Benzoic acid
Concen: 40.089 ng
RT: 7.987 min Scan# 985
Delta R.T. -0.005 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

Tgt Ion:122 Resp: 121871
Ion Ratio Lower Upper
122 100
105 123.6 104.8 144.8
77 96.2 77.6 117.6

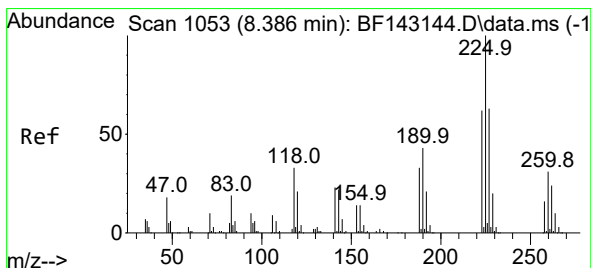
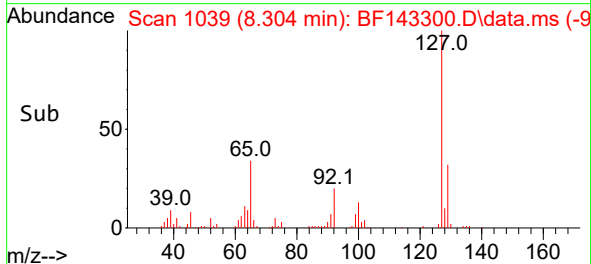
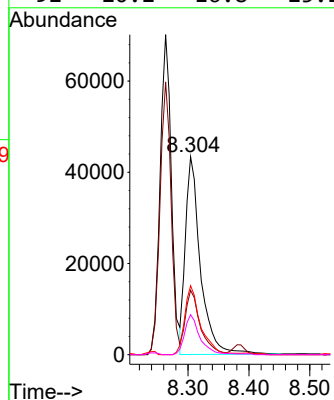
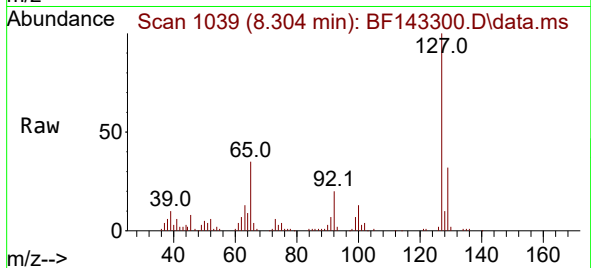




#33
4-Chloroaniline
Concen: 11.083 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

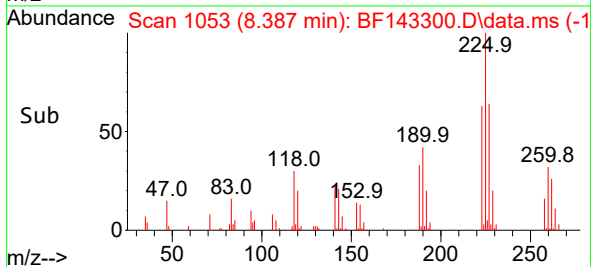
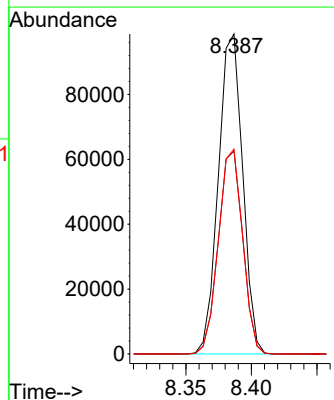
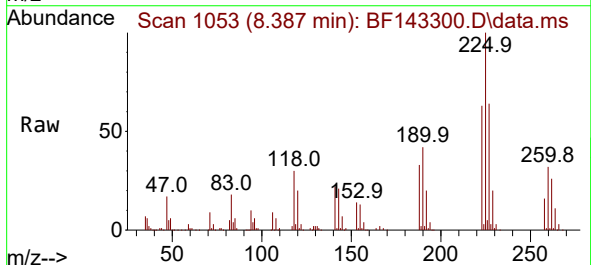
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

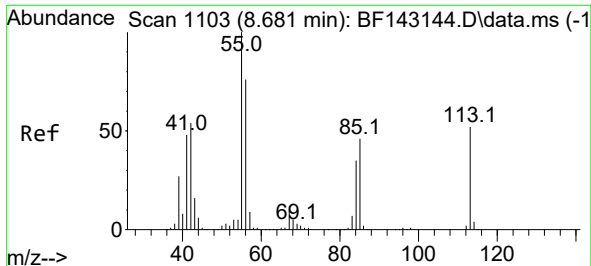
Tgt Ion:	127	Resp:	74470
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.0	39.0
65	34.8	27.4	41.2
92	20.2	16.8	25.2



#34
Hexachlorobutadiene
Concen: 41.289 ng
RT: 8.387 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

Tgt Ion:	225	Resp:	127047
Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.8	74.6
227	64.0	50.2	75.4

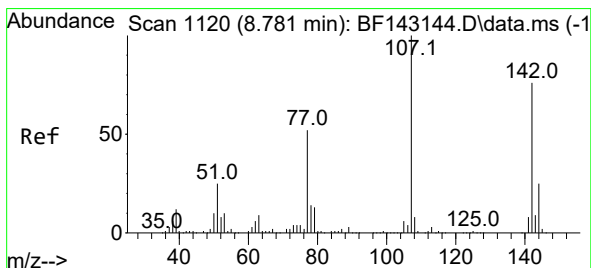
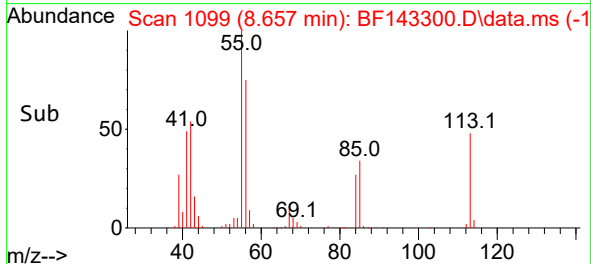
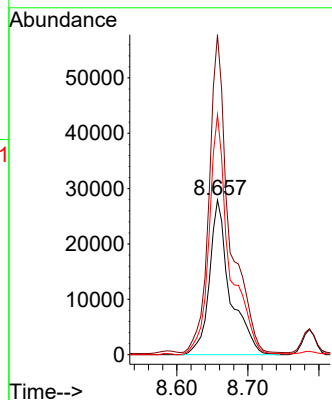
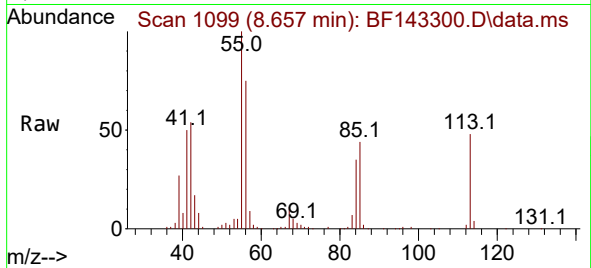




#35
 Caprolactam
 Concen: 40.019 ng
 RT: 8.657 min Scan# 1099
 Delta R.T. -0.023 min
 Lab File: BF143300.D
 Acq: 04 Aug 2025 17:05

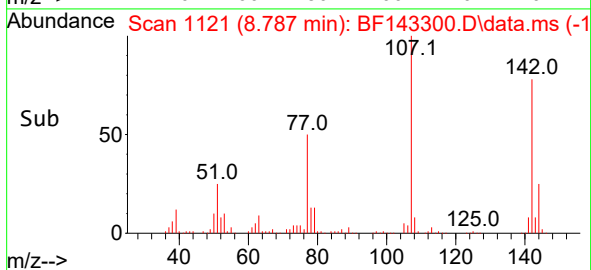
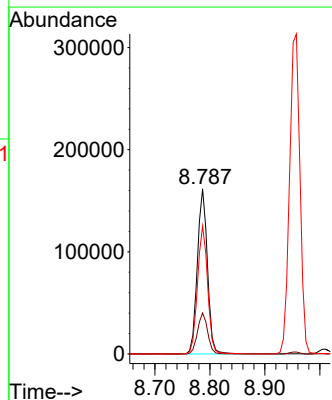
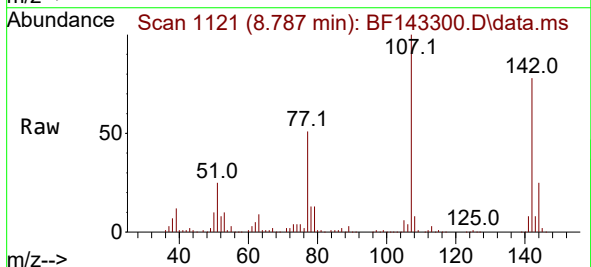
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-253MSD

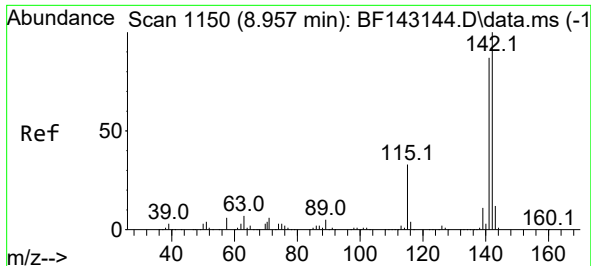
Tgt Ion:113 Resp: 56383
 Ion Ratio Lower Upper
 113 100
 55 206.9 174.0 214.0
 56 155.1 126.6 166.6



#36
 4-Chloro-3-methylphenol
 Concen: 40.871 ng
 RT: 8.787 min Scan# 1121
 Delta R.T. 0.006 min
 Lab File: BF143300.D
 Acq: 04 Aug 2025 17:05

Tgt Ion:107 Resp: 207121
 Ion Ratio Lower Upper
 107 100
 144 24.8 19.8 29.6
 142 77.5 60.6 90.8

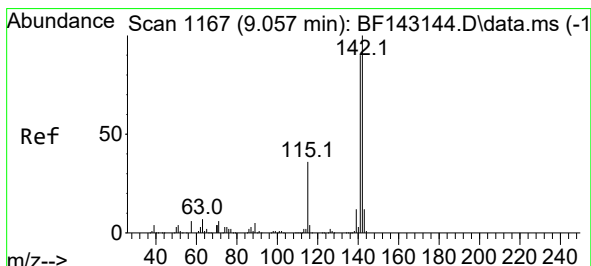
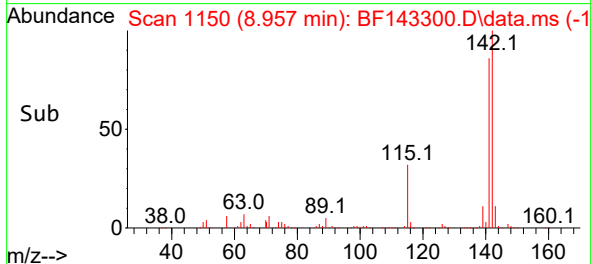
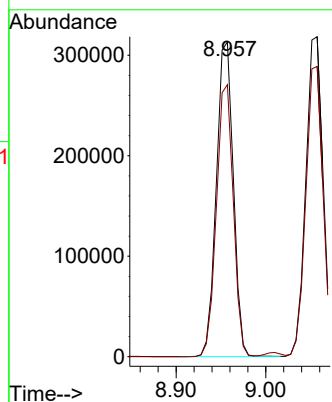
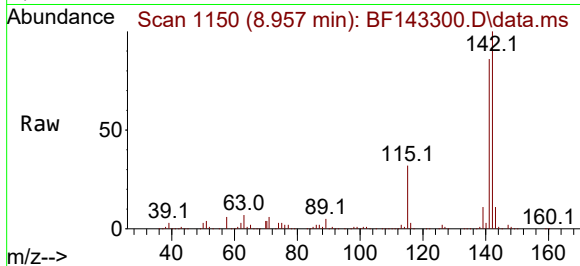




#37
2-Methylnaphthalene
Concen: 41.123 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

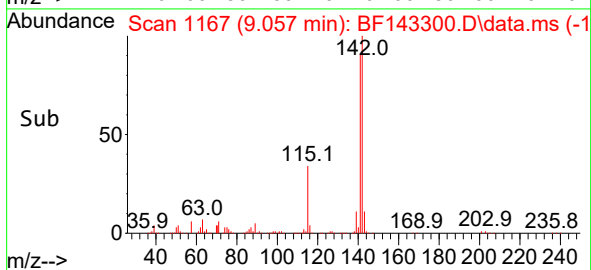
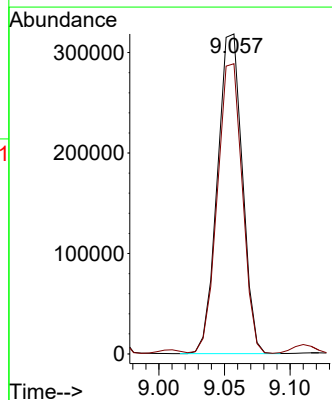
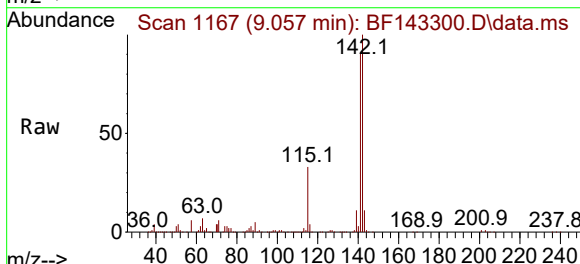
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

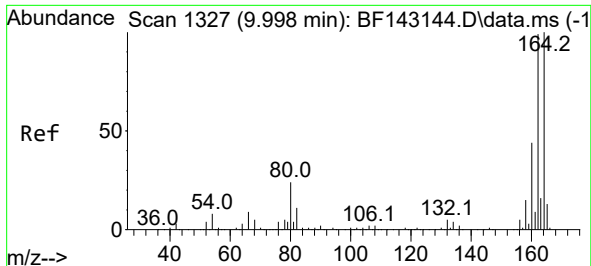
Tgt Ion:142 Resp: 411784
Ion Ratio Lower Upper
142 100
141 86.4 69.9 104.9



#38
1-Methylnaphthalene
Concen: 40.831 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

Tgt Ion:142 Resp: 421019
Ion Ratio Lower Upper
142 100
141 90.7 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: BF143300.D

Acq: 04 Aug 2025 17:05

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

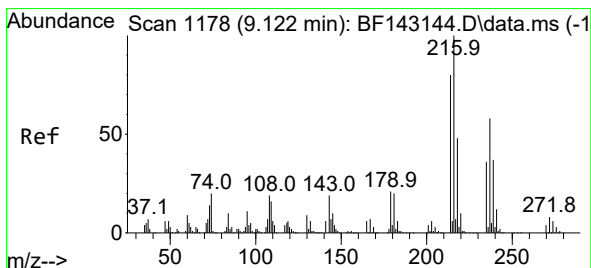
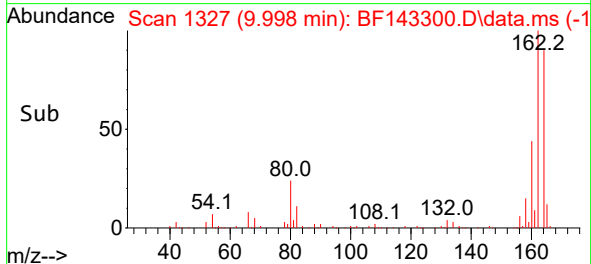
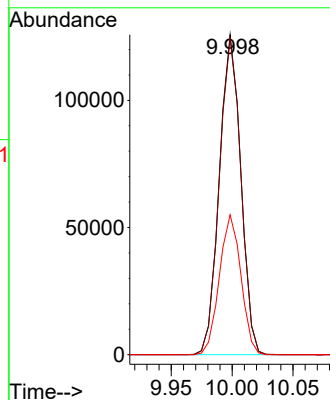
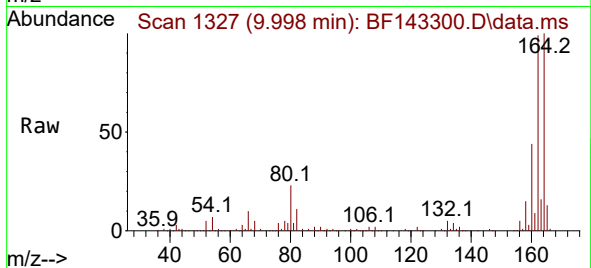
Tgt Ion:164 Resp: 154347

Ion Ratio Lower Upper

164 100

162 98.8 79.0 118.6

160 43.7 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.971 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

Tgt Ion:216 Resp: 195940

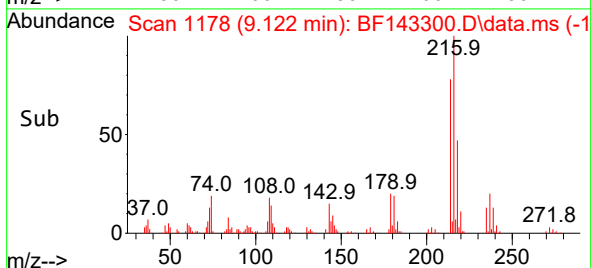
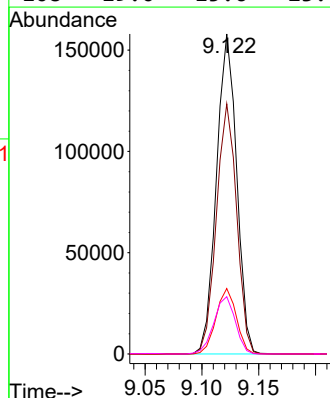
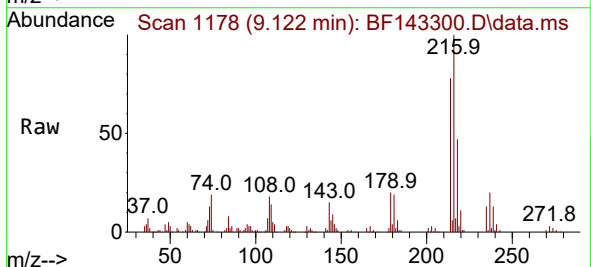
Ion Ratio Lower Upper

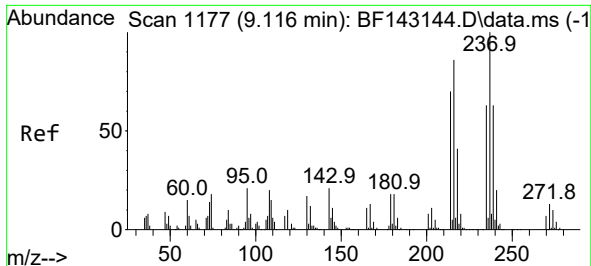
216 100

214 78.1 63.8 95.8

179 20.5 16.4 24.6

108 19.0 15.6 23.4

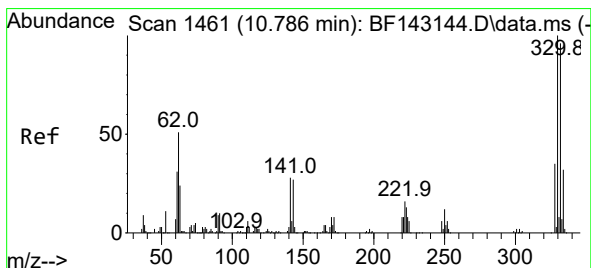
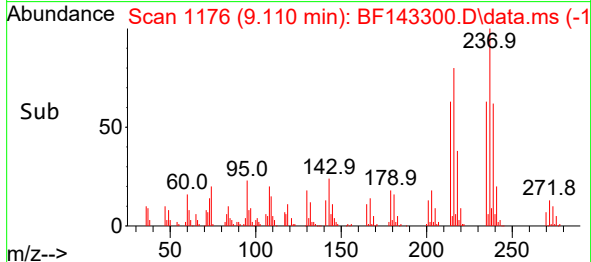
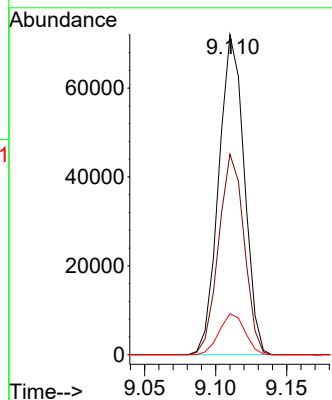
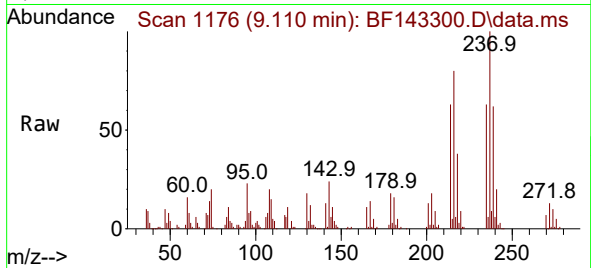




#41
Hexachlorocyclopentadiene
Concen: 30.988 ng
RT: 9.110 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

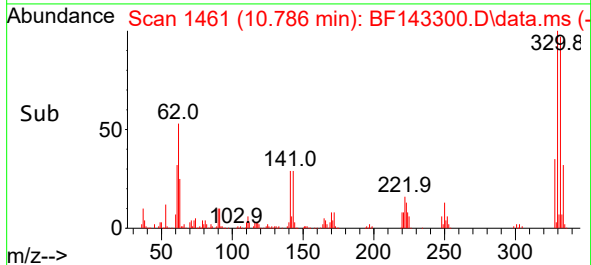
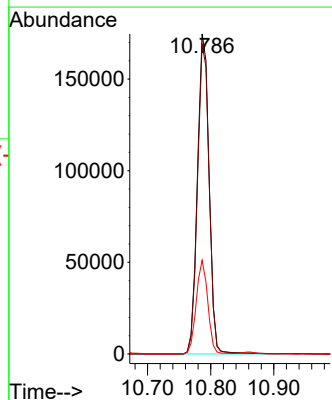
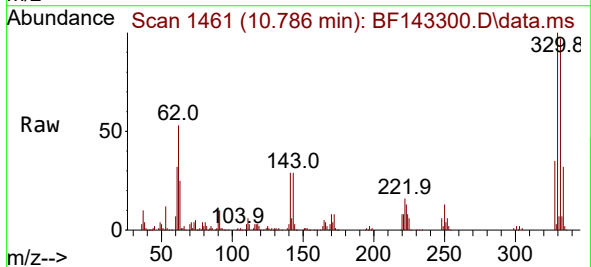
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

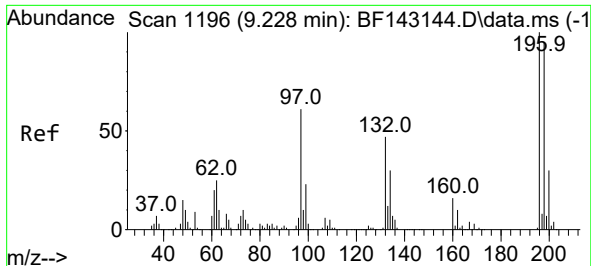
Tgt Ion:237 Resp: 89851
Ion Ratio Lower Upper
237 100
235 62.7 43.0 83.0
272 12.8 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 140.809 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

Tgt Ion:330 Resp: 224518
Ion Ratio Lower Upper
330 100
332 96.7 76.7 115.1
141 28.9 23.3 34.9

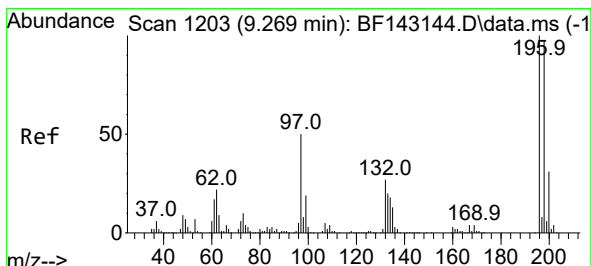
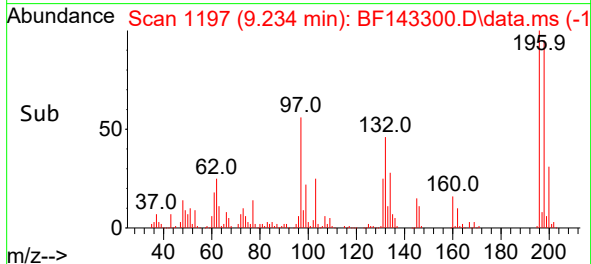
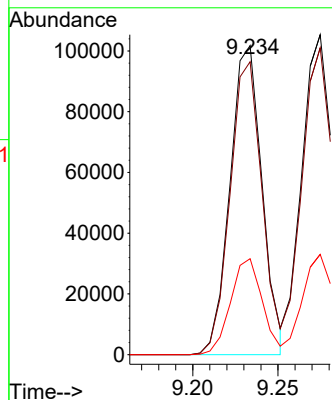
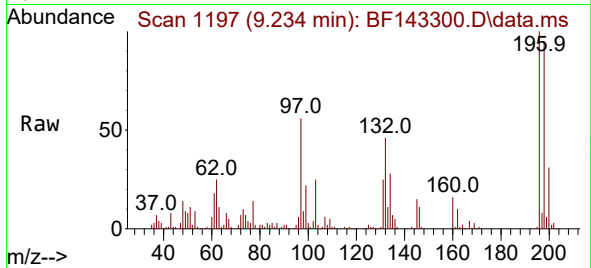




#43
 2,4,6-Trichlorophenol
 Concen: 43.157 ng
 RT: 9.234 min Scan# 1196
 Delta R.T. 0.006 min
 Lab File: BF143300.D
 Acq: 04 Aug 2025 17:05

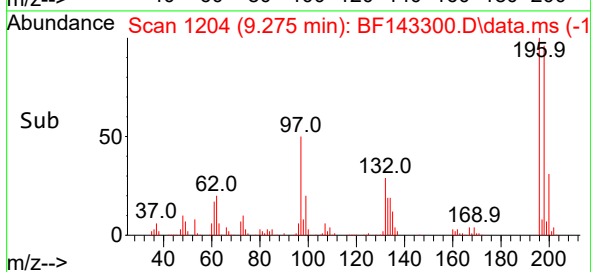
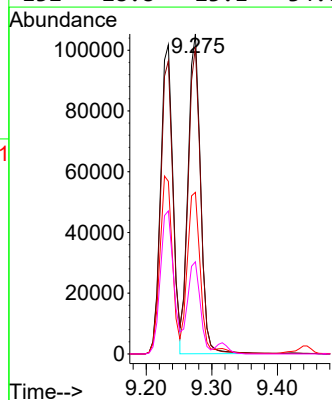
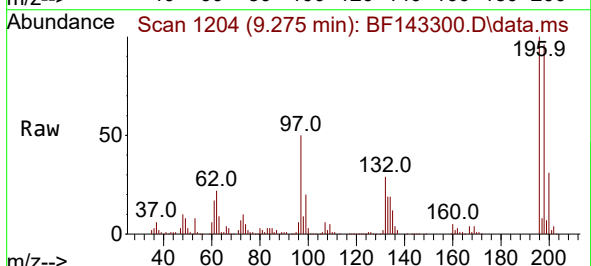
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-253MSD

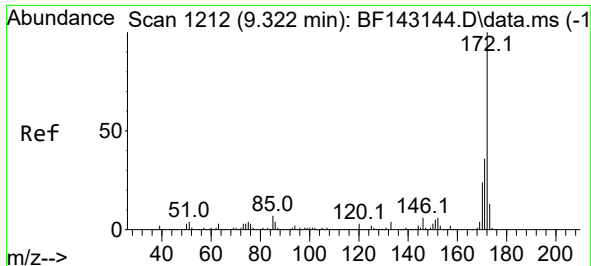
Tgt Ion:196 Resp: 133099
 Ion Ratio Lower Upper
 196 100
 198 94.8 76.2 114.2
 200 31.1 23.9 35.9



#44
 2,4,5-Trichlorophenol
 Concen: 44.929 ng
 RT: 9.275 min Scan# 1204
 Delta R.T. 0.006 min
 Lab File: BF143300.D
 Acq: 04 Aug 2025 17:05

Tgt Ion:196 Resp: 138604
 Ion Ratio Lower Upper
 196 100
 198 95.9 77.3 115.9
 97 50.5 40.3 60.5
 132 28.8 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 86.496 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

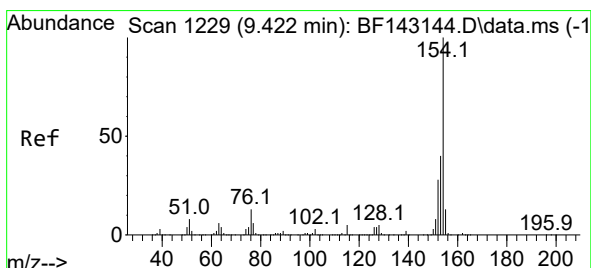
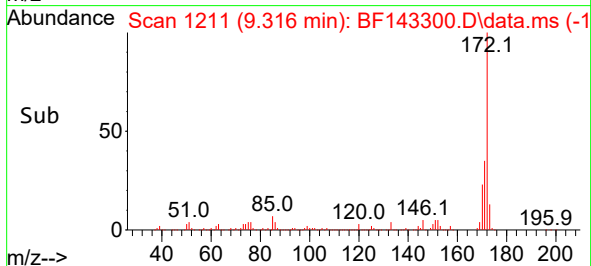
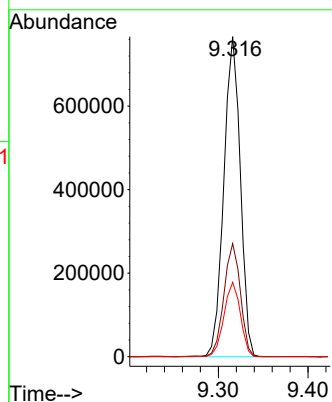
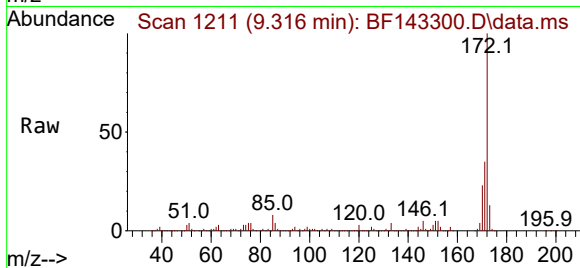
Tgt Ion:172 Resp: 976172

Ion Ratio Lower Upper

172 100

171 35.4 28.6 42.8

170 23.2 18.8 28.2



#46

1,1'-Biphenyl

Concen: 45.415 ng

RT: 9.416 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

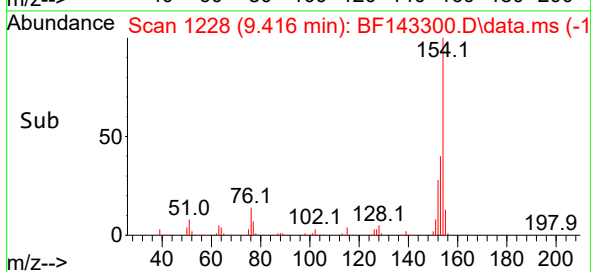
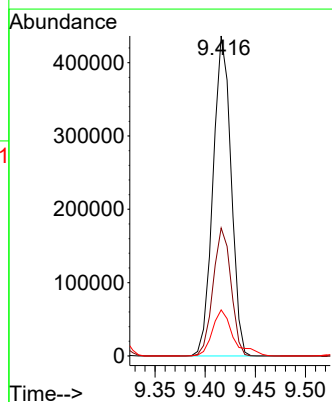
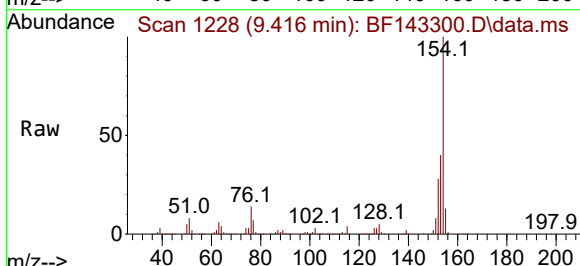
Tgt Ion:154 Resp: 546888

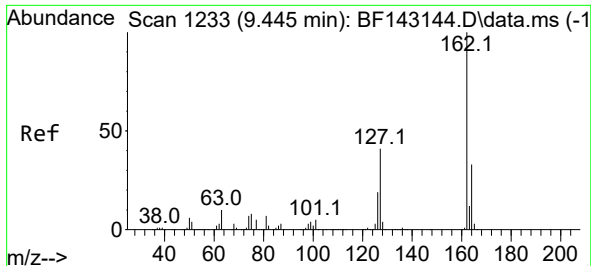
Ion Ratio Lower Upper

154 100

153 40.0 20.3 60.3

76 14.4 0.0 33.3





#47

2-Chloronaphthalene

Concen: 43.449 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

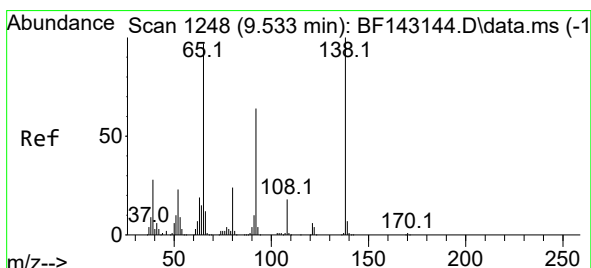
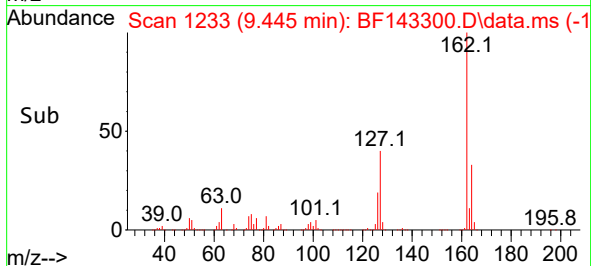
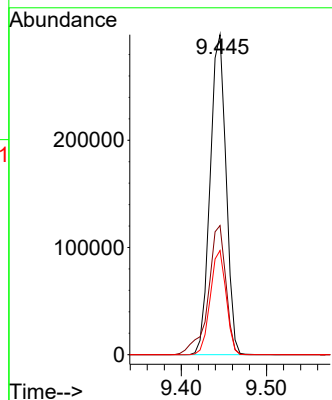
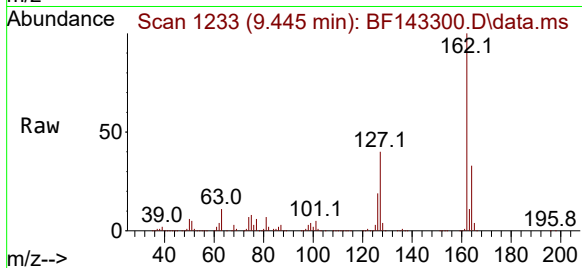
Tgt Ion:162 Resp: 387146

Ion Ratio Lower Upper

162 100

127 40.4 33.4 50.2

164 32.5 26.2 39.2



#48

2-Nitroaniline

Concen: 50.980 ng

RT: 9.534 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

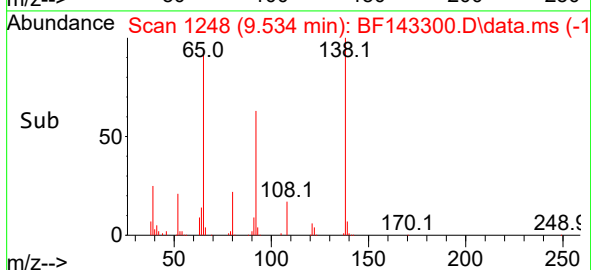
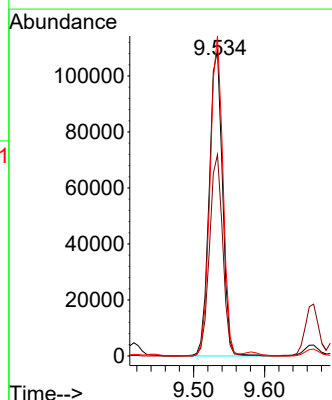
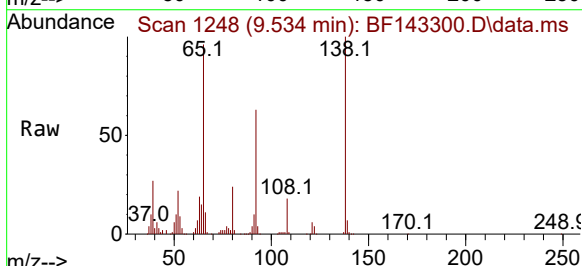
Tgt Ion: 65 Resp: 142450

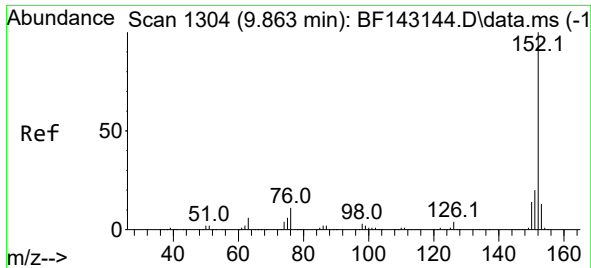
Ion Ratio Lower Upper

65 100

92 65.9 52.4 78.6

138 104.7 82.3 123.5

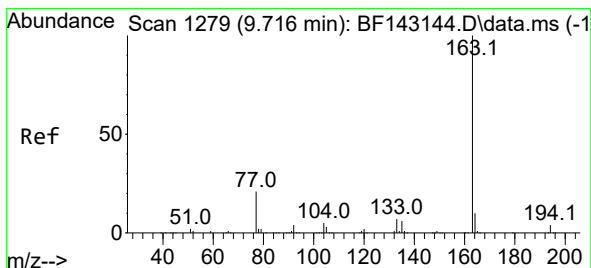
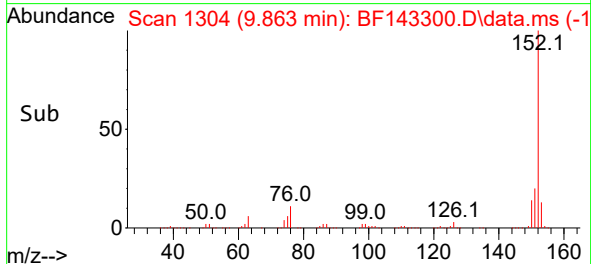
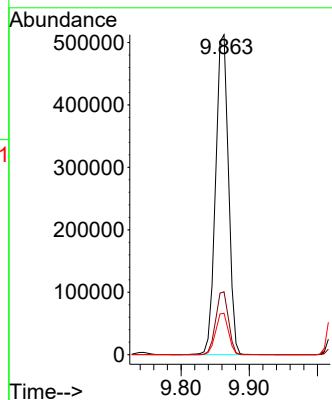
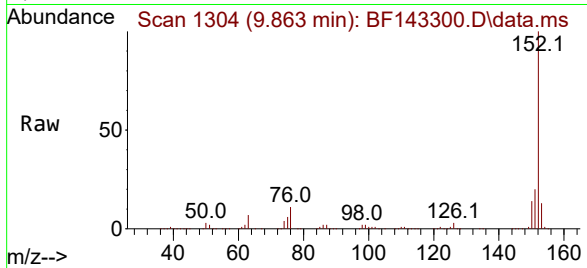




#49
Acenaphthylene
Concen: 45.047 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

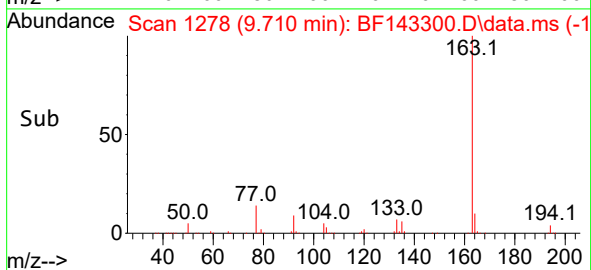
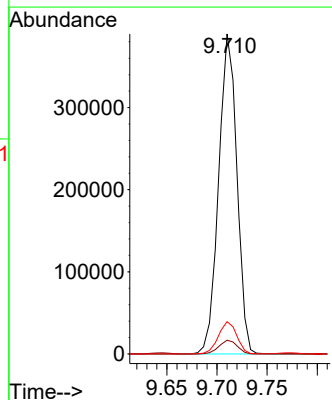
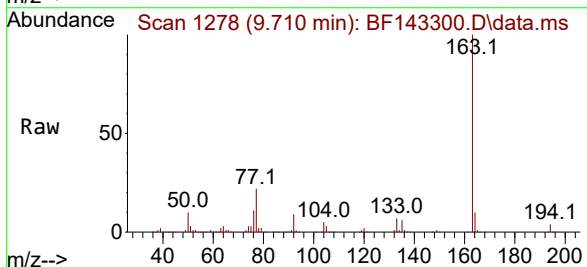
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

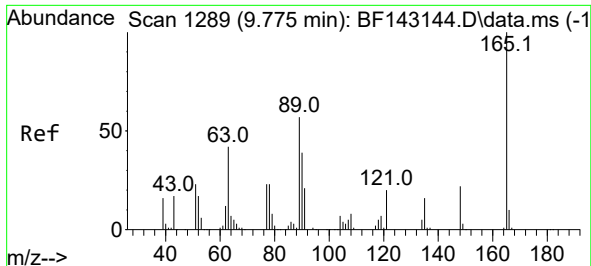
Tgt Ion:152 Resp: 672653
Ion Ratio Lower Upper
152 100
151 19.6 16.2 24.2
153 12.9 10.6 16.0



#50
Dimethylphthalate
Concen: 49.027 ng
RT: 9.710 min Scan# 1278
Delta R.T. -0.006 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

Tgt Ion:163 Resp: 493247
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.1 8.3 12.5

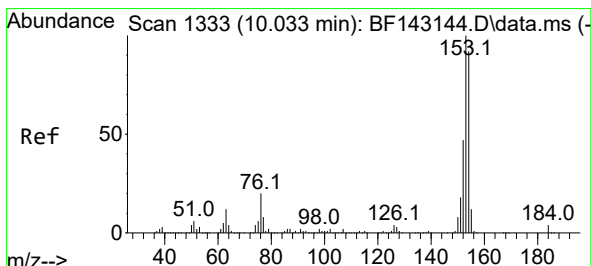
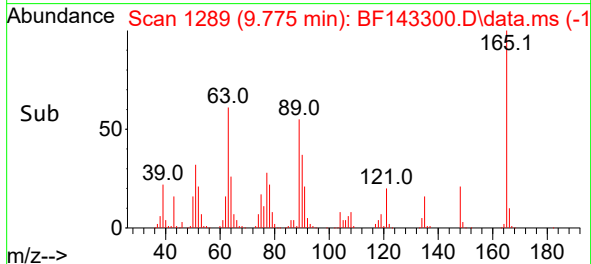
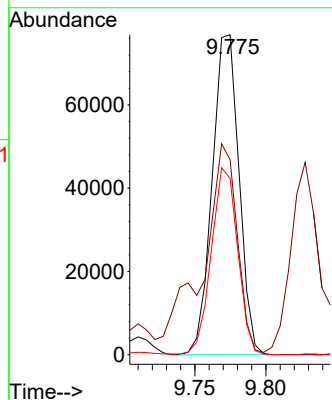
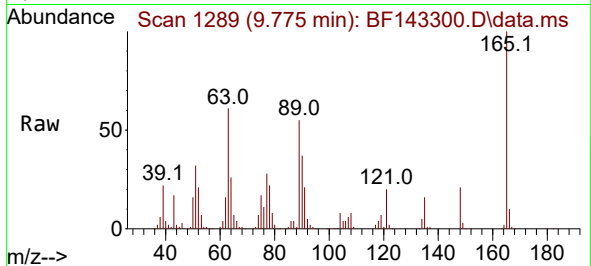




#51
2,6-Dinitrotoluene
Concen: 49.205 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

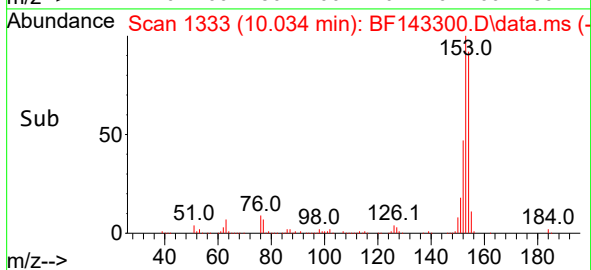
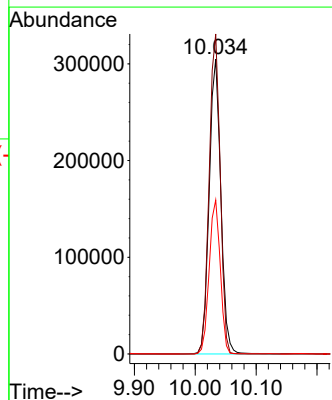
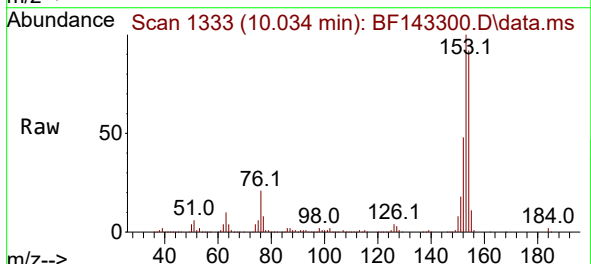
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

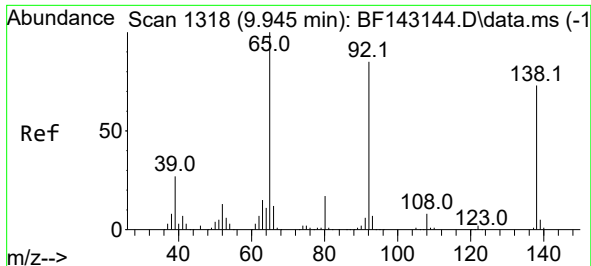
Tgt Ion:165 Resp: 100705
Ion Ratio Lower Upper
165 100
63 60.9 49.4 74.2
89 55.1 46.2 69.2



#52
Acenaphthene
Concen: 45.925 ng
RT: 10.034 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

Tgt Ion:154 Resp: 405319
Ion Ratio Lower Upper
154 100
153 108.5 86.6 129.8
152 52.2 40.4 60.6

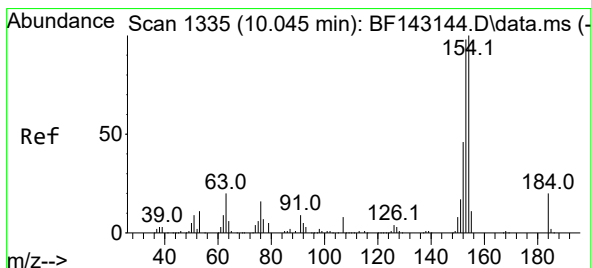
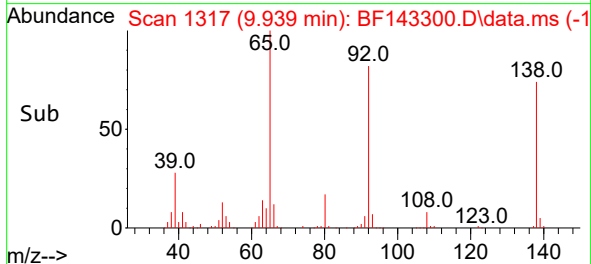
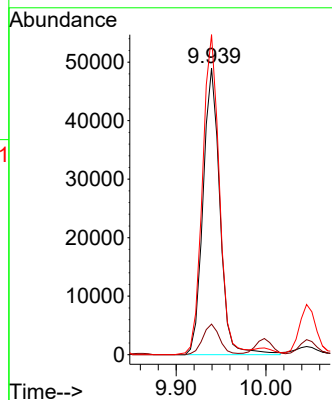
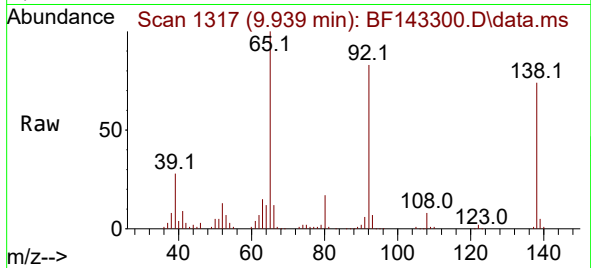




#53
3-Nitroaniline
Concen: 26.724 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

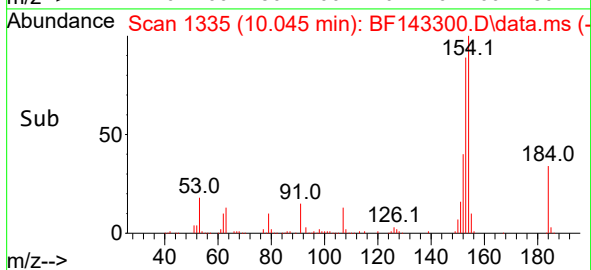
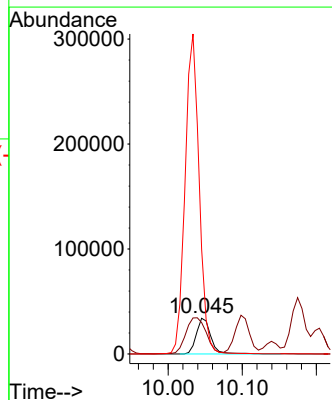
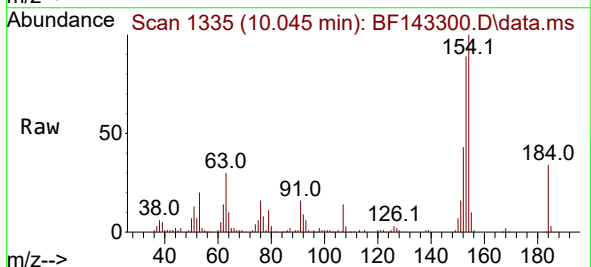
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

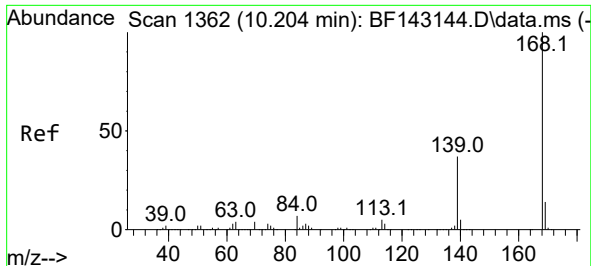
Tgt Ion:138 Resp: 63975
Ion Ratio Lower Upper
138 100
108 10.7 9.0 13.6
92 111.6 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 52.238 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

Tgt Ion:184 Resp: 46116
Ion Ratio Lower Upper
184 100
63 87.9 81.8 122.6
154 292.7 412.2 618.4#

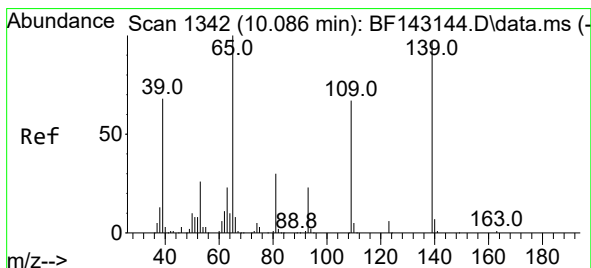
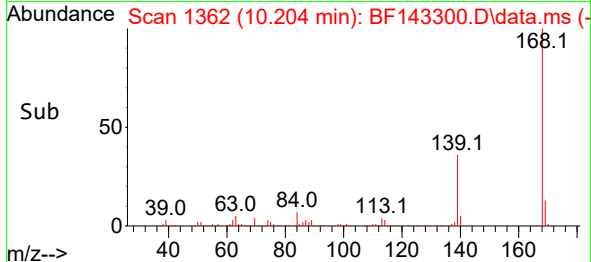
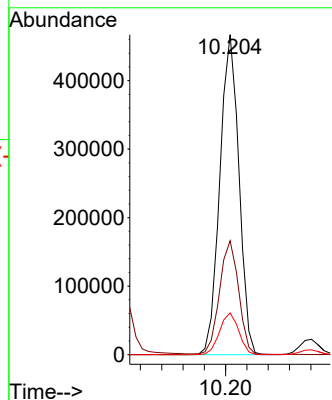
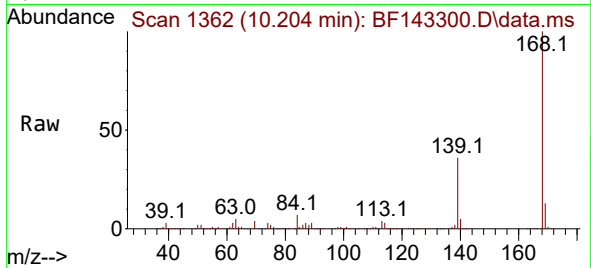




#55
Dibenzenofuran
Concen: 44.183 ng
RT: 10.204 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

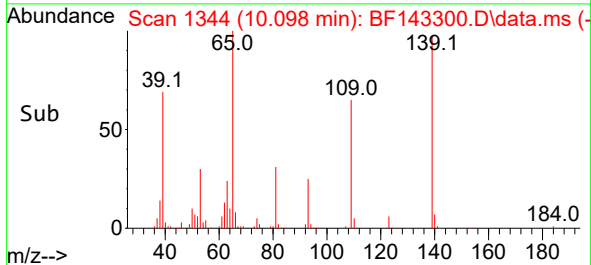
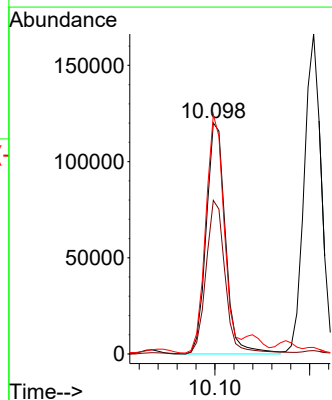
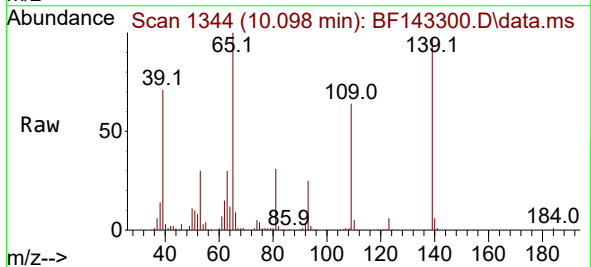
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

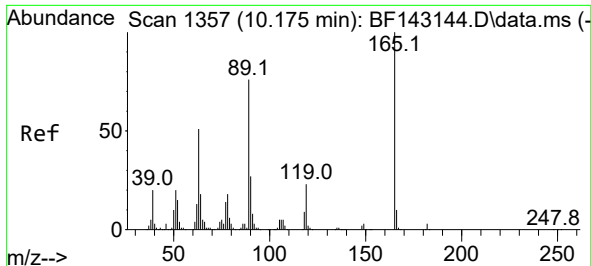
Tgt Ion:168 Resp: 578948
Ion Ratio Lower Upper
168 100
139 35.6 29.5 44.3
169 13.1 10.9 16.3



#56
4-Nitrophenol
Concen: 94.557 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.012 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

Tgt Ion:139 Resp: 169033
Ion Ratio Lower Upper
139 100
109 66.5 48.5 88.5
65 103.6 83.4 123.4

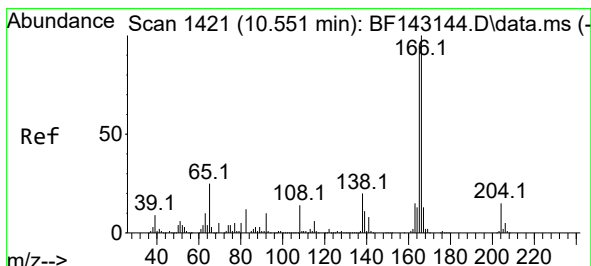
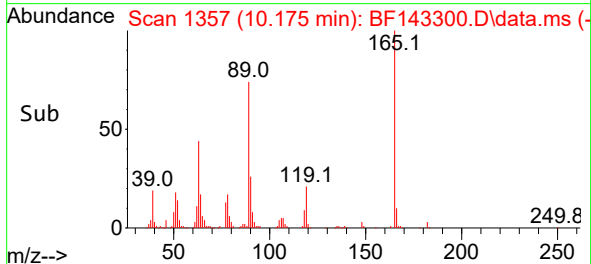
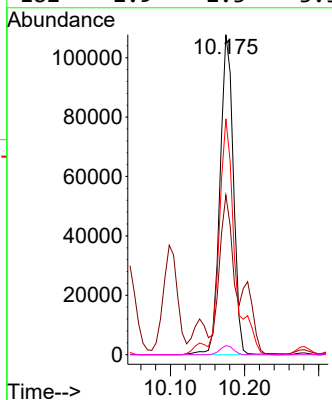
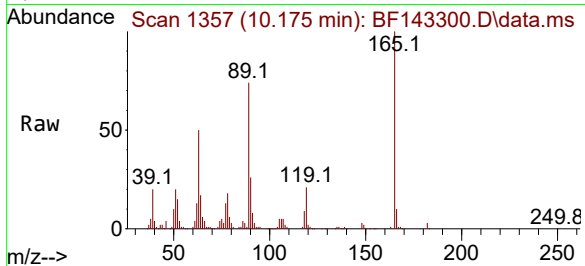




#57
2,4-Dinitrotoluene
Concen: 52.637 ng
RT: 10.175 min Scan# 1357
Delta R.T. 0.000 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

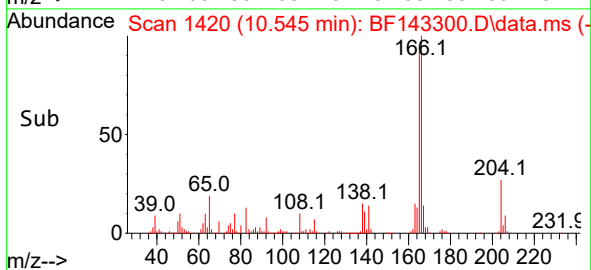
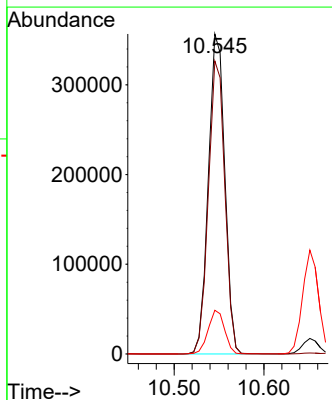
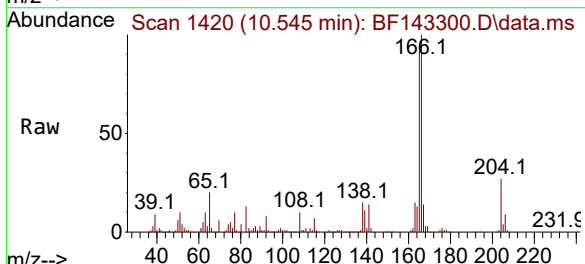
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

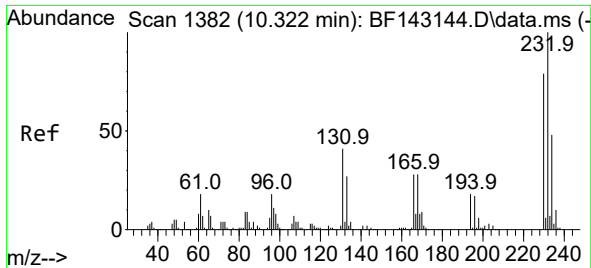
Tgt Ion:	165	Resp:	135158
Ion Ratio	Lower	Upper	
165	100		
63	49.9	41.0	61.4
89	73.7	61.1	91.7
182	2.9	2.3	3.5



#58
Fluorene
Concen: 46.082 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

Tgt Ion:	166	Resp:	453185
Ion Ratio	Lower	Upper	
166	100		
165	91.6	73.7	110.5
167	13.6	10.6	16.0

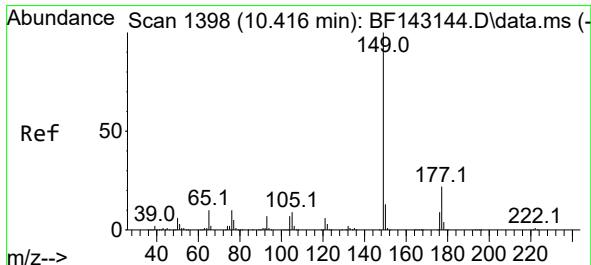
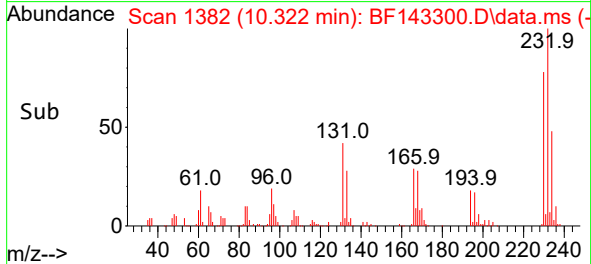
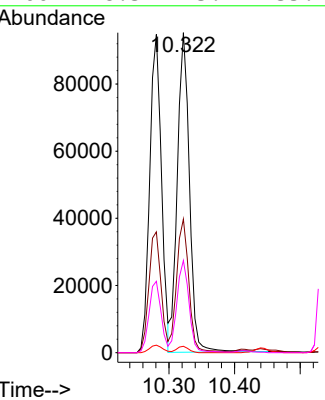
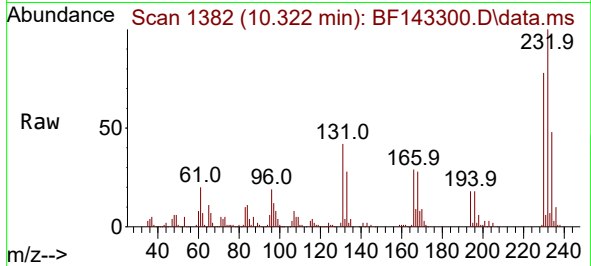




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.503 ng
RT: 10.322 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

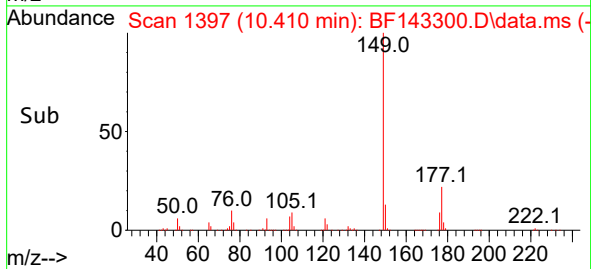
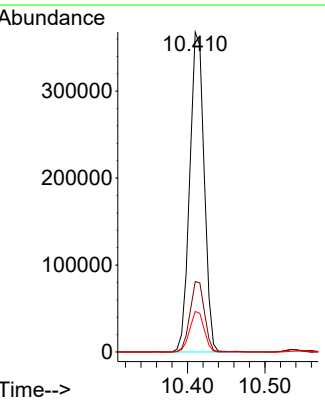
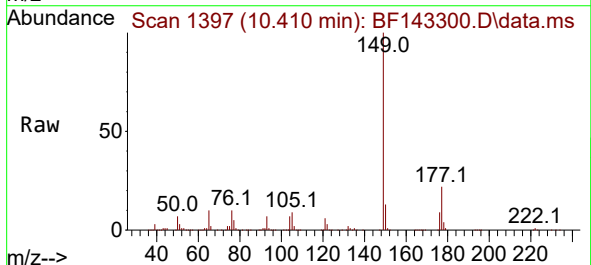
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

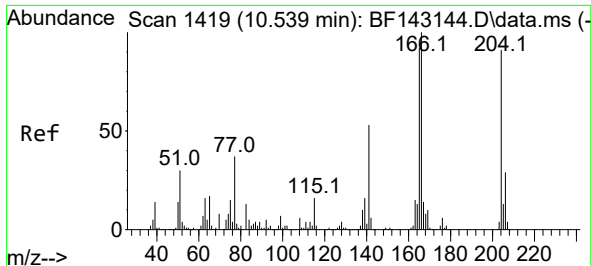
Tgt Ion:232 Resp: 121393
Ion Ratio Lower Upper
232 100
131 41.6 35.3 52.9
130 1.9 1.7 2.5
166 28.3 23.4 35.2



#60
Diethylphthalate
Concen: 47.777 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

Tgt Ion:149 Resp: 475096
Ion Ratio Lower Upper
149 100
177 22.0 17.5 26.3
150 12.7 10.2 15.2

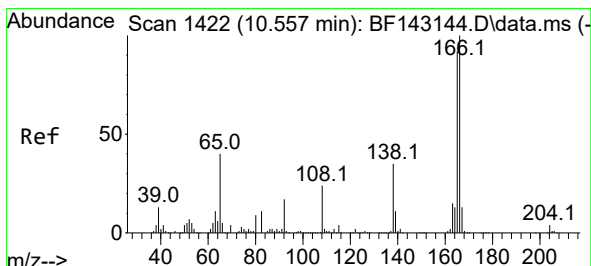
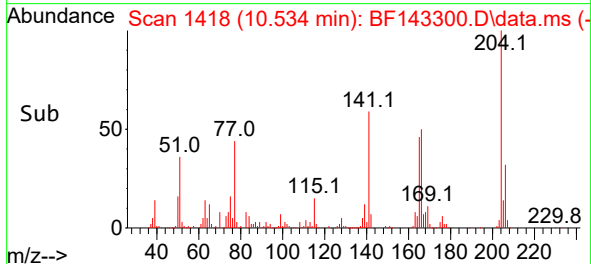
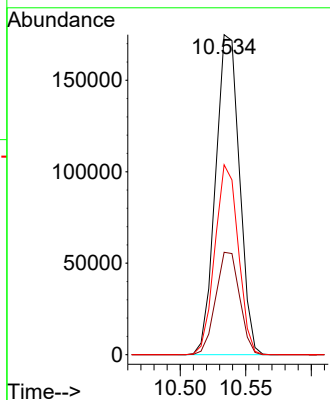
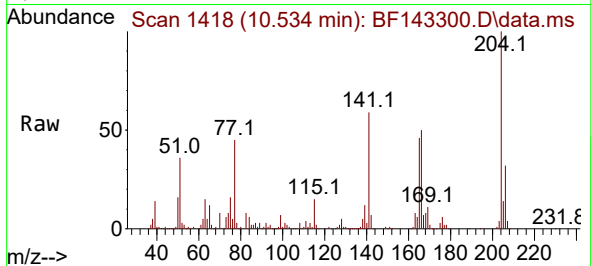




#61
4-Chlorophenyl-phenylether
Concen: 45.213 ng
RT: 10.534 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

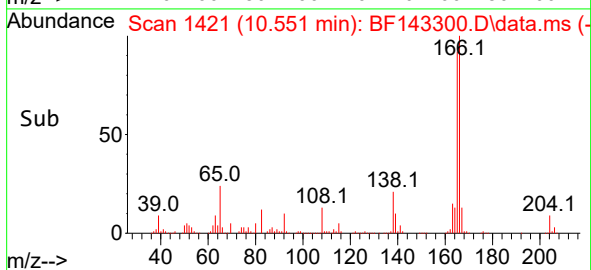
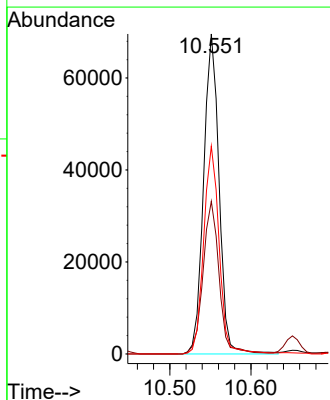
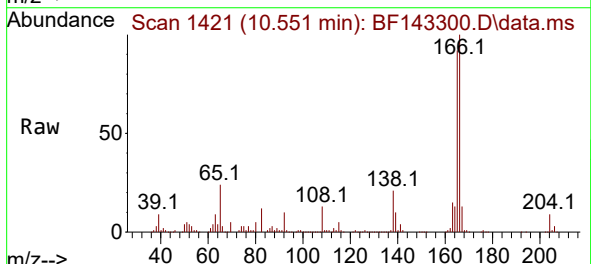
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

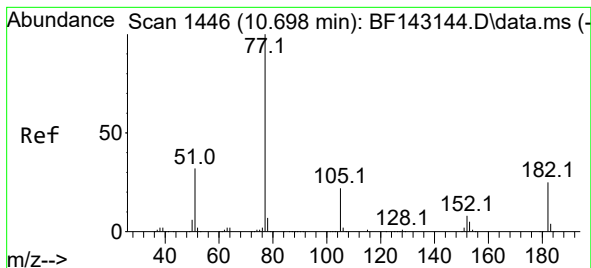
Tgt Ion:204 Resp: 221405
Ion Ratio Lower Upper
204 100
206 32.0 25.8 38.8
141 59.4 47.0 70.4



#62
4-Nitroaniline
Concen: 44.805 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

Tgt Ion:138 Resp: 91927
Ion Ratio Lower Upper
138 100
92 47.7 29.3 69.3
108 65.0 48.3 88.3





#63

Azobenzene

Concen: 45.614 ng

RT: 10.698 min Scan# 1446

Delta R.T. 0.000 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

Tgt Ion: 77 Resp: 472740

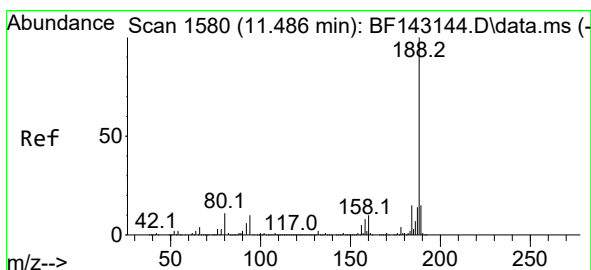
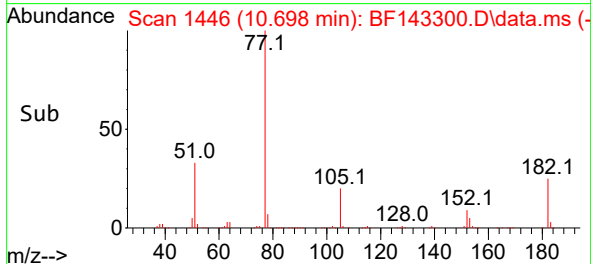
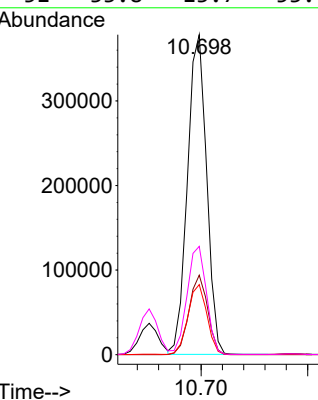
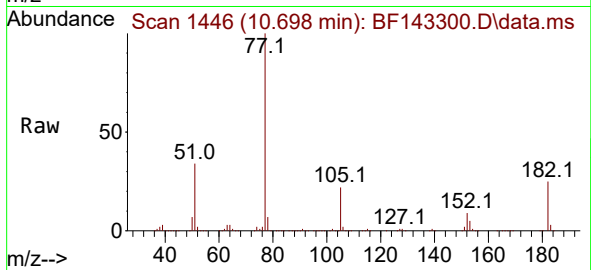
Ion Ratio Lower Upper

77 100

182 24.9 4.6 44.6

105 21.9 1.4 41.4

51 33.8 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: BF143300.D

Acq: 04 Aug 2025 17:05

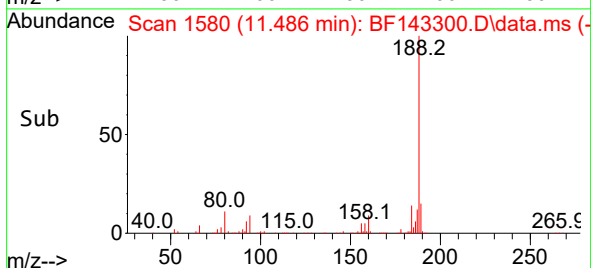
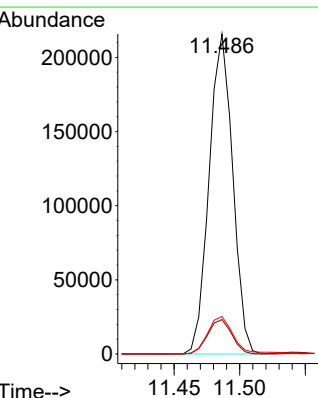
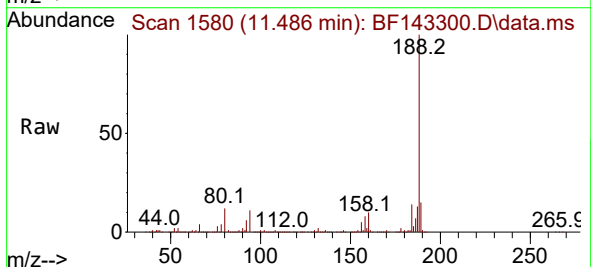
Tgt Ion: 188 Resp: 269587

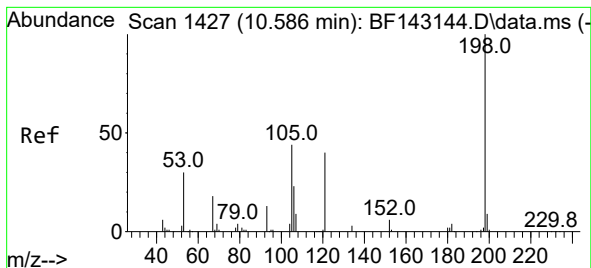
Ion Ratio Lower Upper

188 100

94 10.8 8.3 12.5

80 11.7 9.0 13.6

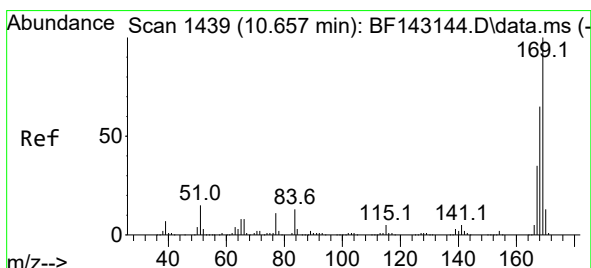
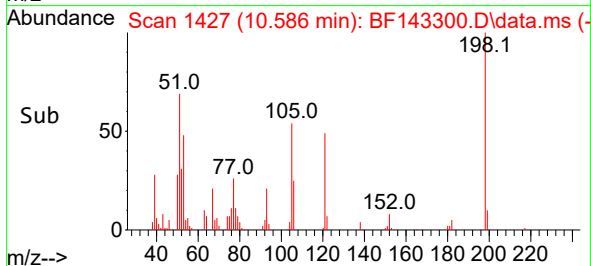
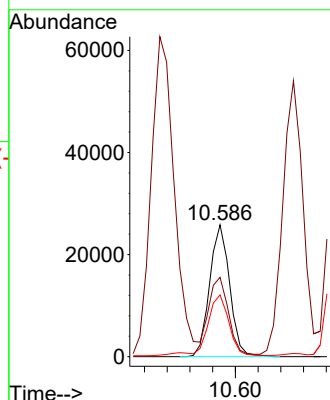
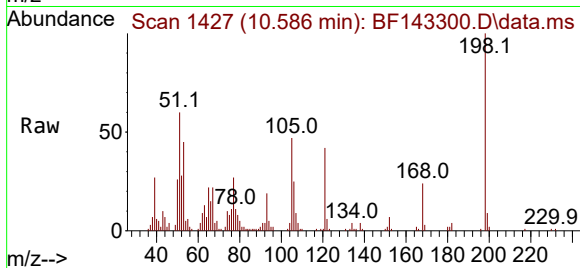




#65
4,6-Dinitro-2-methylphenol
Concen: 25.221 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

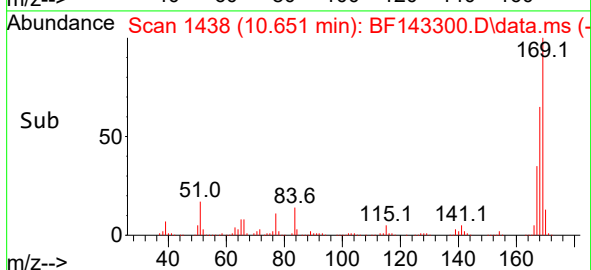
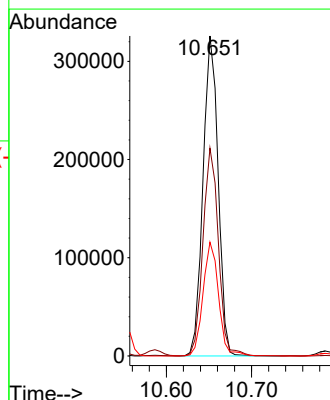
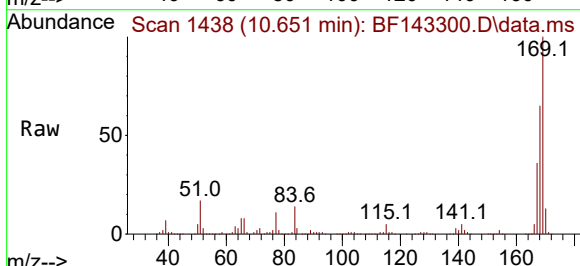
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

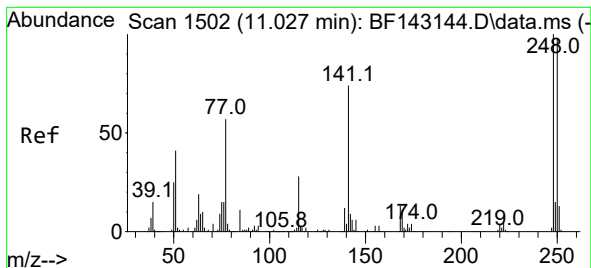
Tgt Ion:198 Resp: 31553
Ion Ratio Lower Upper
198 100
51 60.2 37.2 77.2
105 46.9 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 42.280 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

Tgt Ion:169 Resp: 401360
Ion Ratio Lower Upper
169 100
168 64.9 52.1 78.1
167 35.5 28.2 42.2

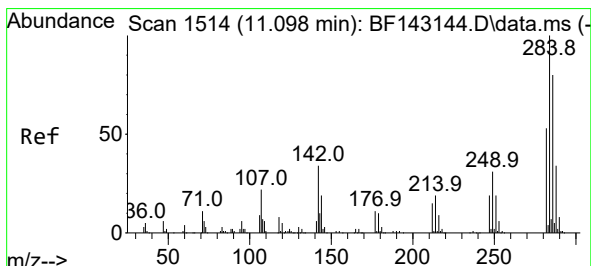
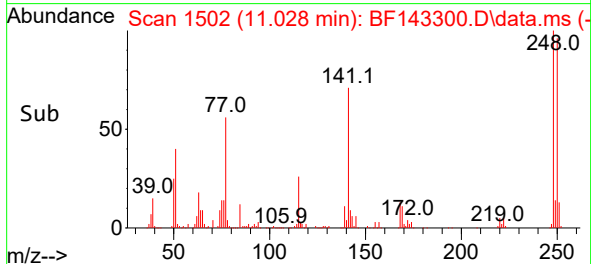
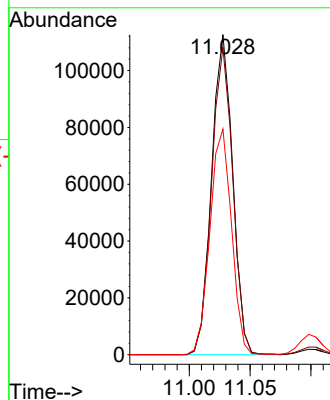
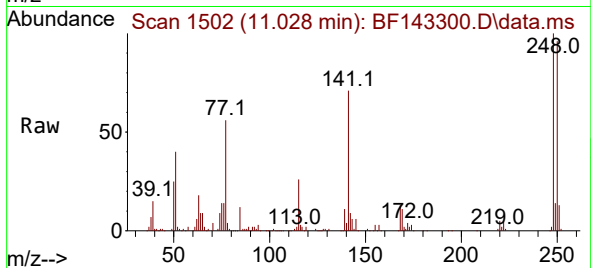




#67
4-Bromophenyl-phenylether
Concen: 42.294 ng
RT: 11.028 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

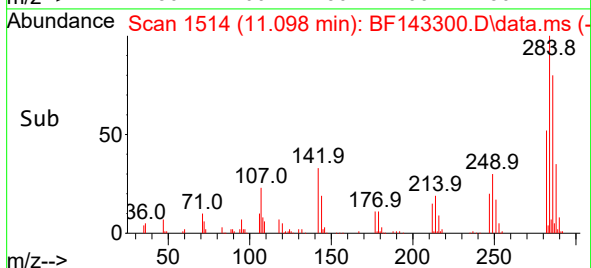
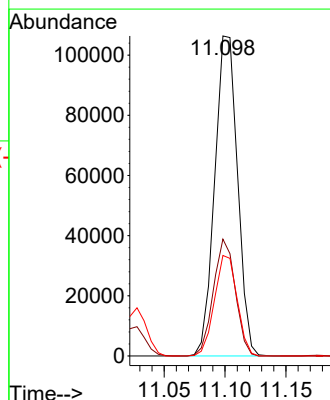
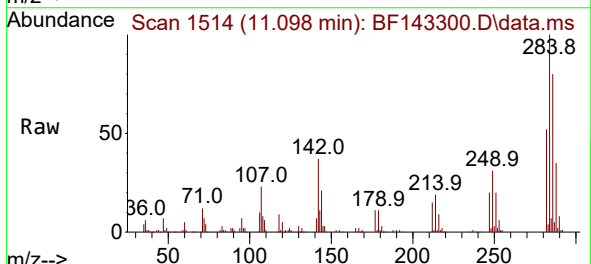
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

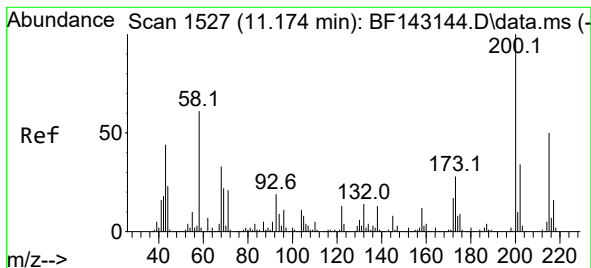
Tgt Ion:248 Resp: 135881
Ion Ratio Lower Upper
248 100
250 96.0 78.3 117.5
141 70.5 59.2 88.8



#68
Hexachlorobenzene
Concen: 41.312 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

Tgt Ion:284 Resp: 138727
Ion Ratio Lower Upper
284 100
142 36.5 27.0 40.6
249 31.4 25.0 37.6





#69

Atrazine

Concen: 48.511 ng

RT: 11.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

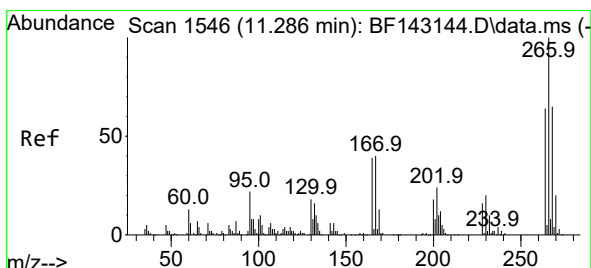
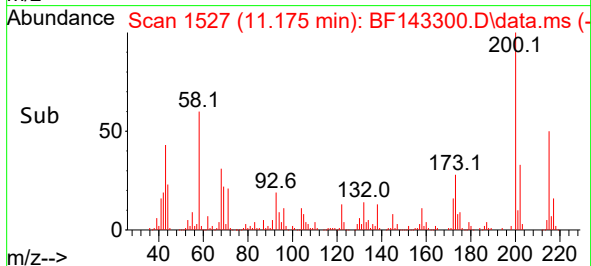
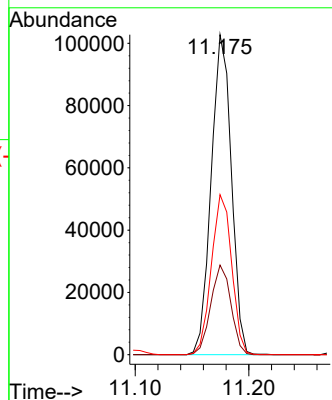
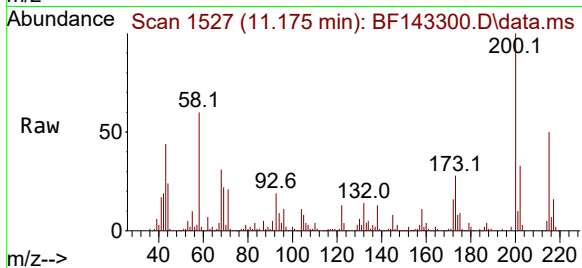
Tgt Ion:200 Resp: 126960

Ion Ratio Lower Upper

200 100

173 28.0 7.9 47.9

215 50.0 30.1 70.1



#70

Pentachlorophenol

Concen: 96.410 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.006 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

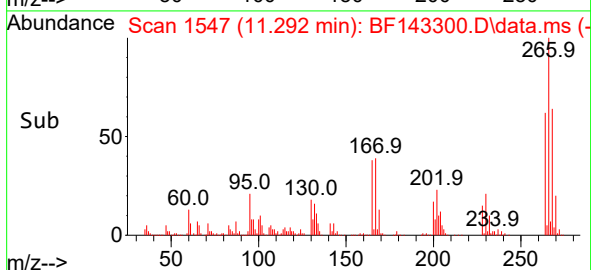
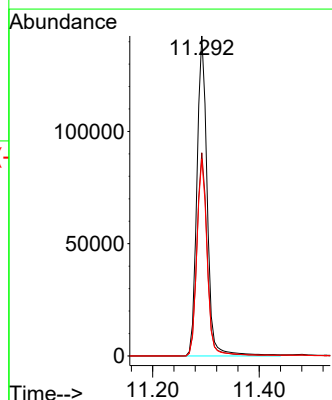
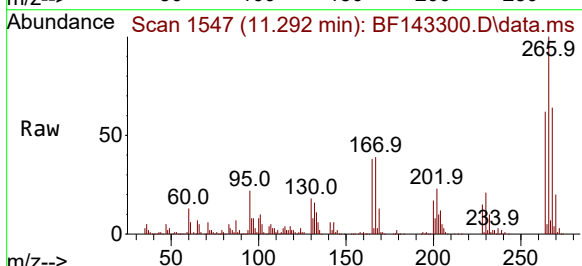
Tgt Ion:266 Resp: 190389

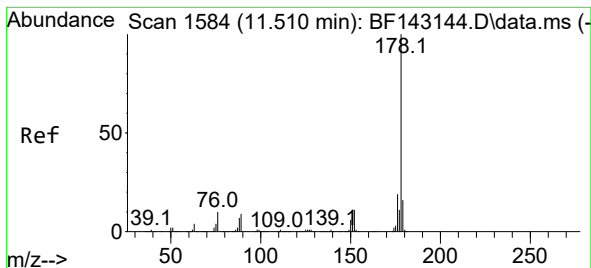
Ion Ratio Lower Upper

266 100

268 63.5 51.9 77.9

264 61.6 51.0 76.6





#71

Phenanthrene

Concen: 45.723 ng

RT: 11.510 min Scan# 1584

Delta R.T. 0.000 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

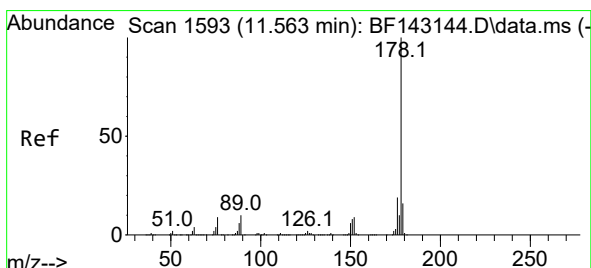
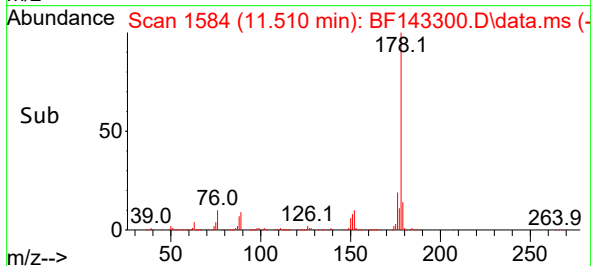
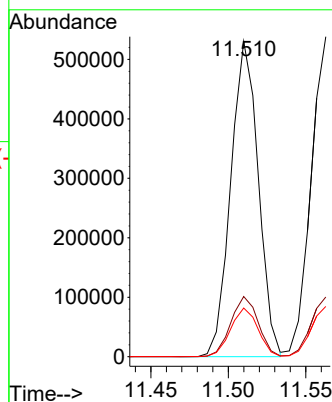
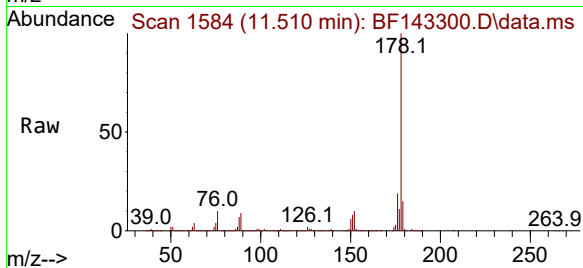
Tgt Ion:178 Resp: 654491

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.4 12.5 18.7



#72

Anthracene

Concen: 45.760 ng

RT: 11.563 min Scan# 1593

Delta R.T. 0.000 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

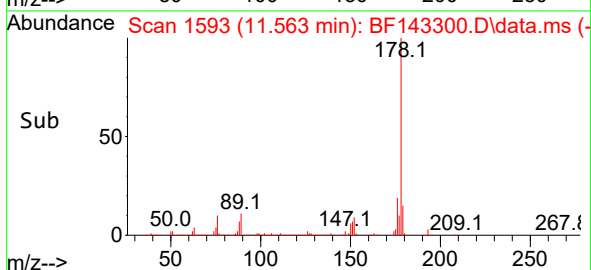
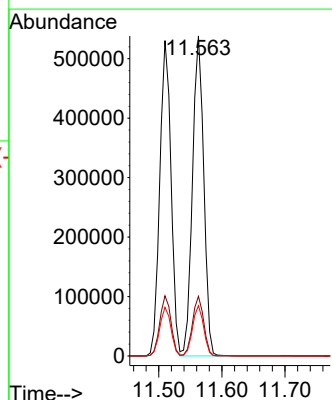
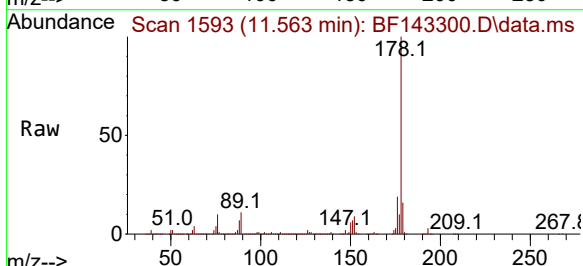
Tgt Ion:178 Resp: 668046

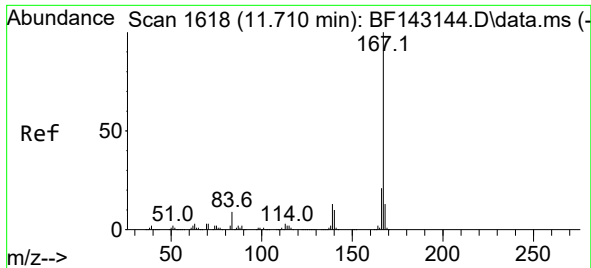
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

179 15.7 12.5 18.7

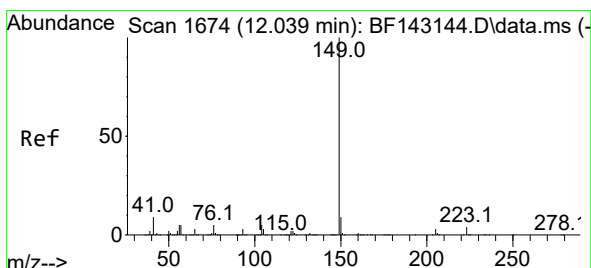
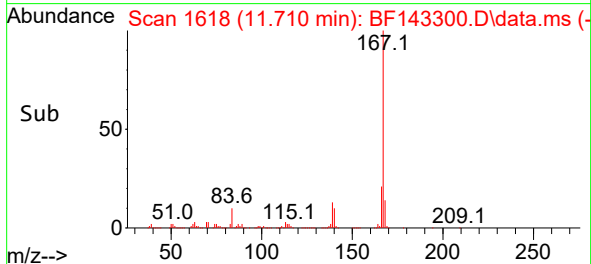
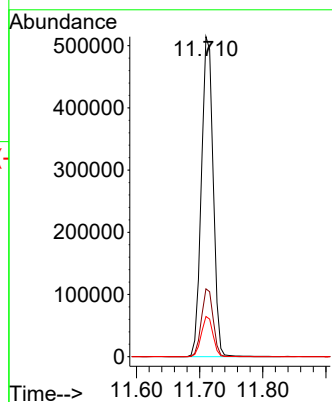
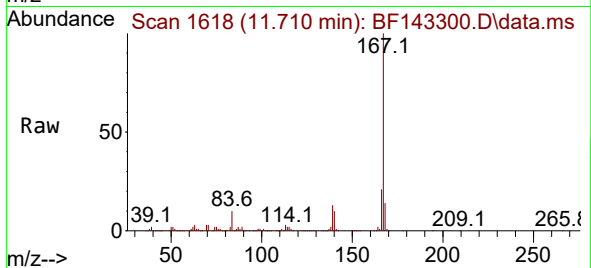




#73
 Carbazole
 Concen: 52.212 ng
 RT: 11.710 min Scan# 1618
 Delta R.T. 0.000 min
 Lab File: BF143300.D
 Acq: 04 Aug 2025 17:05

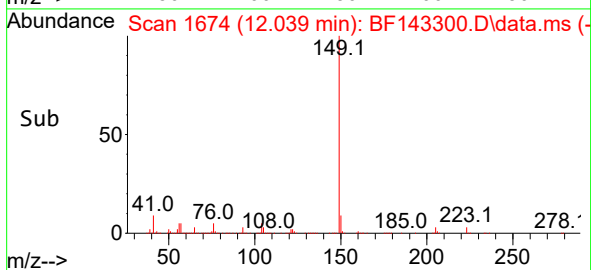
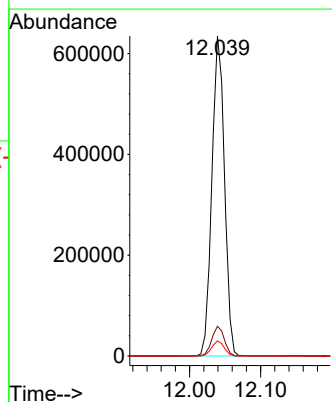
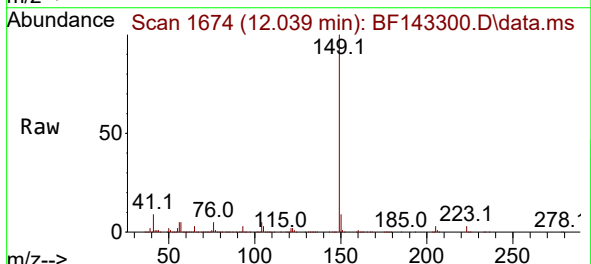
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-253MSD

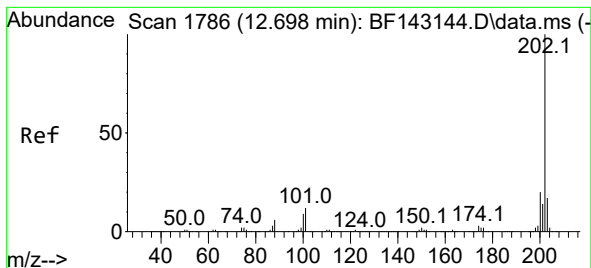
Tgt Ion:167 Resp: 665579
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.6
 139 12.5 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 54.117 ng
 RT: 12.039 min Scan# 1674
 Delta R.T. 0.000 min
 Lab File: BF143300.D
 Acq: 04 Aug 2025 17:05

Tgt Ion:149 Resp: 780591
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.2
 104 4.7 3.8 5.8





#75

Fluoranthene

Concen: 59.639 ng

RT: 12.698 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

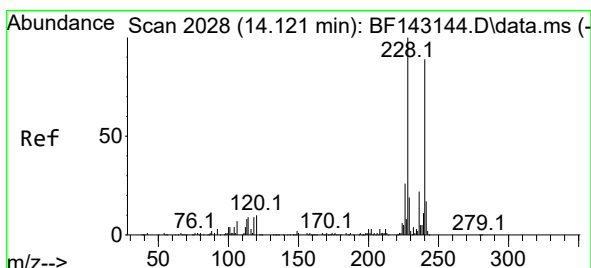
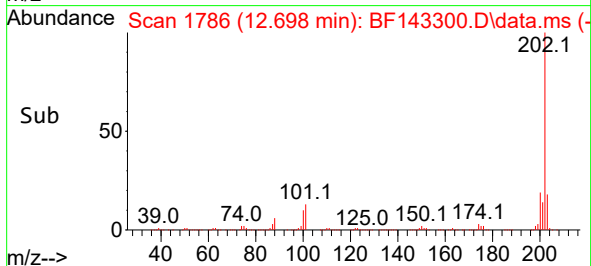
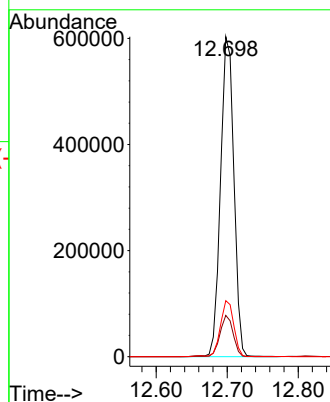
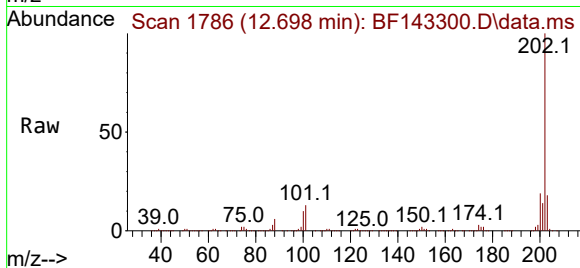
Tgt Ion:202 Resp: 783575

Ion Ratio Lower Upper

202 100

101 12.9 0.0 31.7

203 17.5 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: BF143300.D

Acq: 04 Aug 2025 17:05

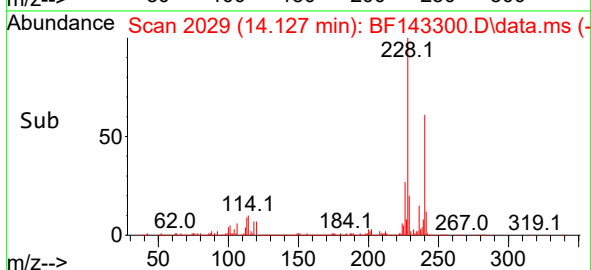
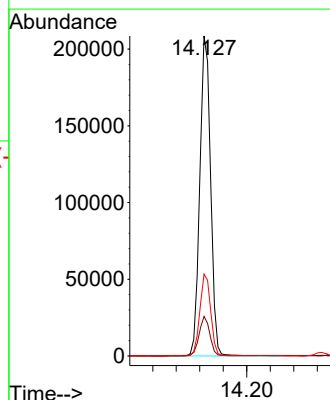
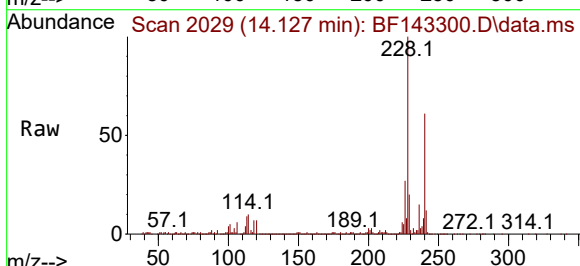
Tgt Ion:240 Resp: 265485

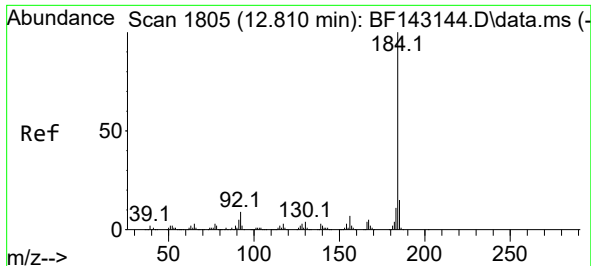
Ion Ratio Lower Upper

240 100

120 12.3 9.4 14.2

236 25.5 20.2 30.4

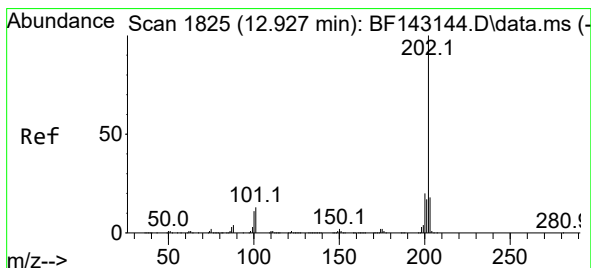
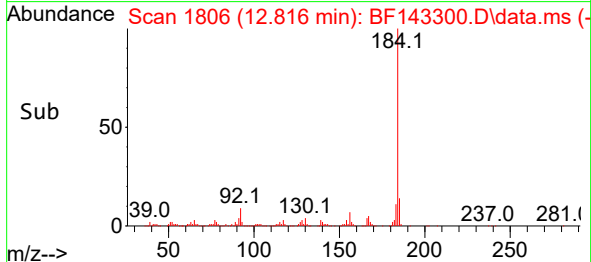
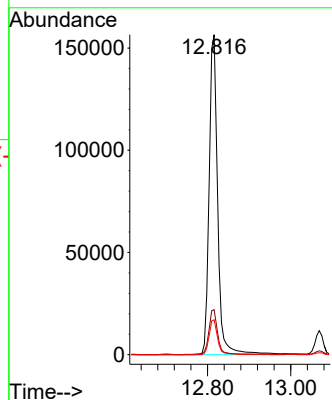
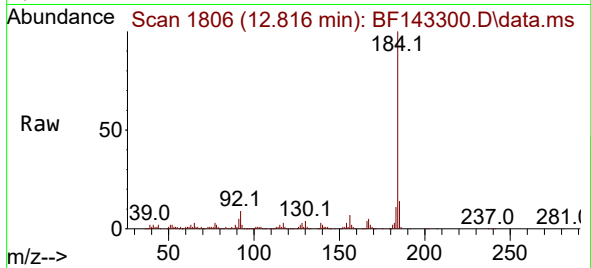




#77
Benzidine
Concen: 21.895 ng
RT: 12.816 min Scan# 1806
Delta R.T. 0.006 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

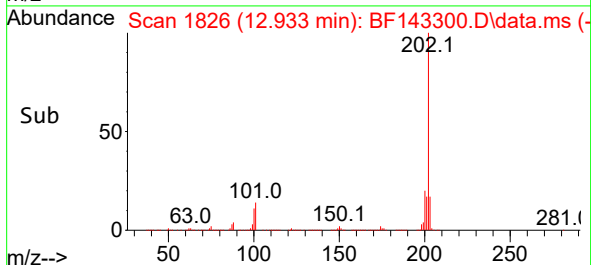
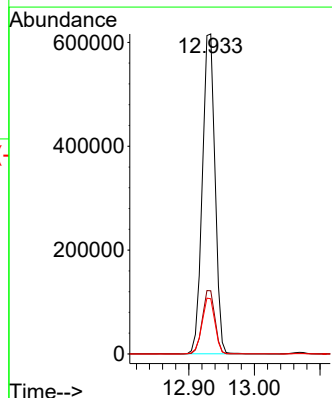
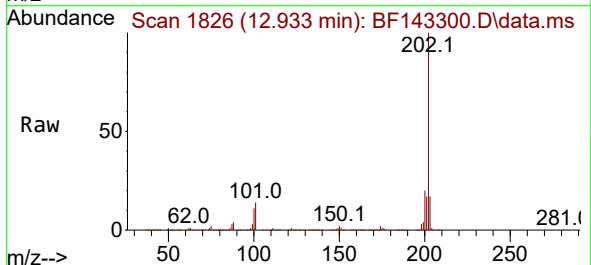
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

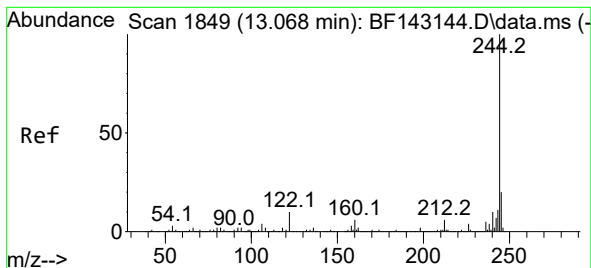
Tgt Ion:184 Resp: 223952
Ion Ratio Lower Upper
184 100
185 14.1 12.2 18.4
183 10.9 9.0 13.4



#78
Pyrene
Concen: 36.554 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF143300.D
Acq: 04 Aug 2025 17:05

Tgt Ion:202 Resp: 828228
Ion Ratio Lower Upper
202 100
200 19.8 15.7 23.5
203 17.2 14.2 21.2





#79

Terphenyl-d14

Concen: 67.097 ng

RT: 13.069 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

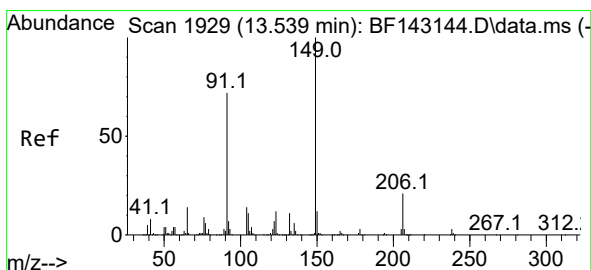
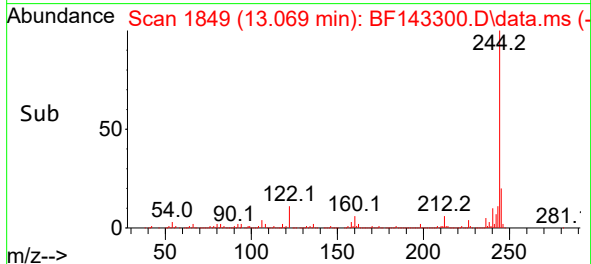
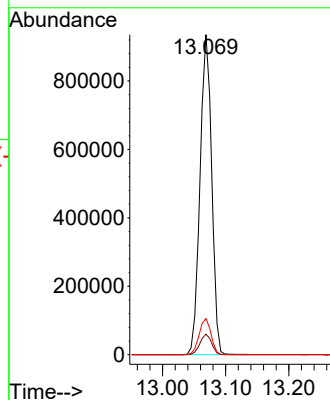
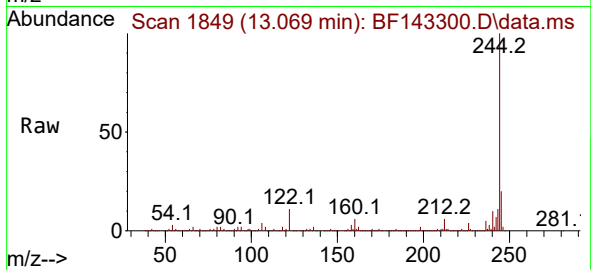
Tgt Ion:244 Resp: 1197037

Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

122 11.3 8.2 12.2



#80

Butylbenzylphthalate

Concen: 51.802 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

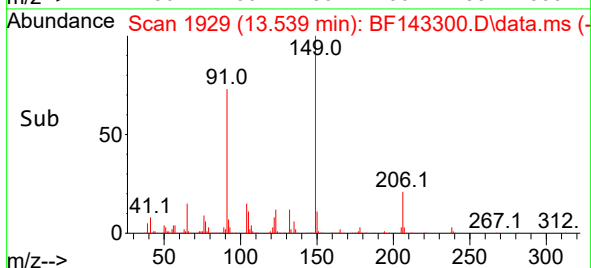
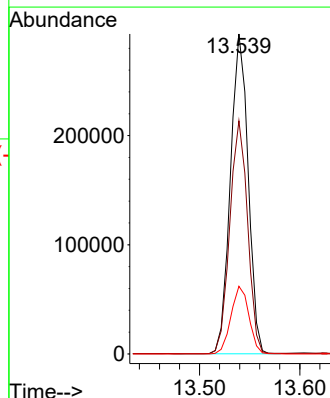
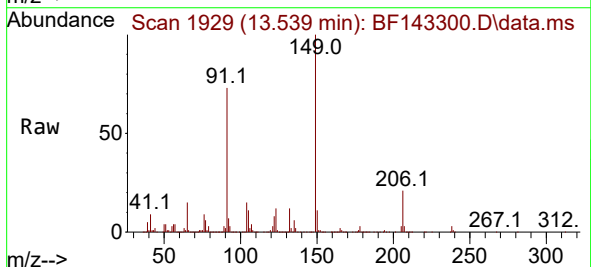
Tgt Ion:149 Resp: 359410

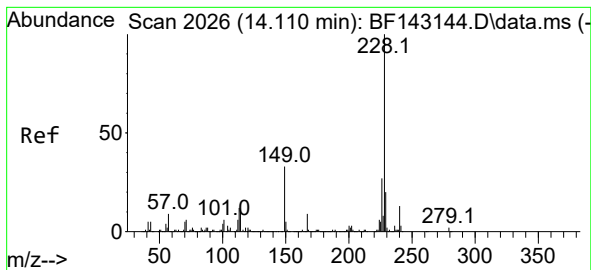
Ion Ratio Lower Upper

149 100

91 72.9 57.9 86.9

206 21.2 17.0 25.4





#81

Benzo(a)anthracene

Concen: 45.949 ng

RT: 14.116 min Scan# 2026

Delta R.T. 0.006 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

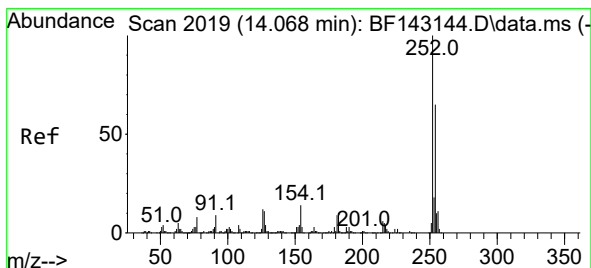
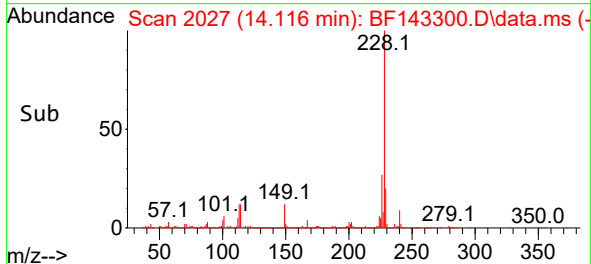
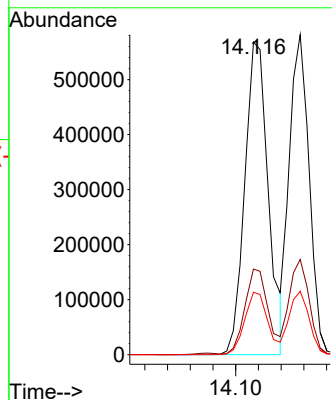
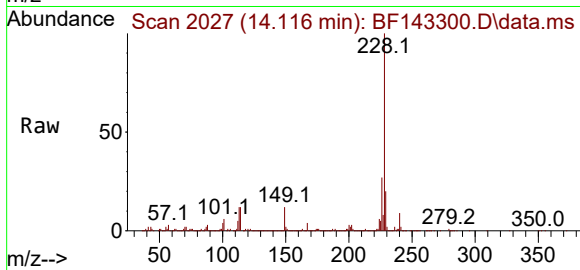
Tgt Ion:228 Resp: 816712

Ion Ratio Lower Upper

228 100

226 27.4 21.7 32.5

229 20.0 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 34.586 ng

RT: 14.074 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

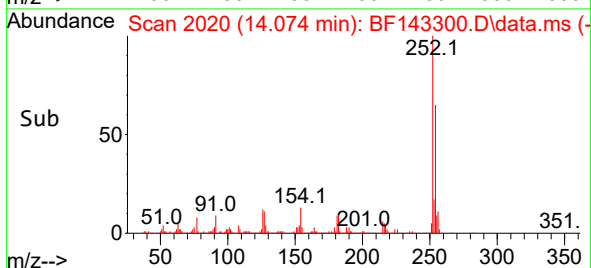
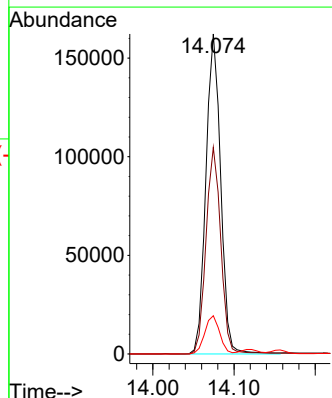
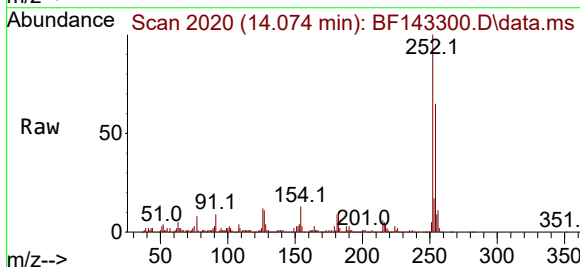
Tgt Ion:252 Resp: 204886

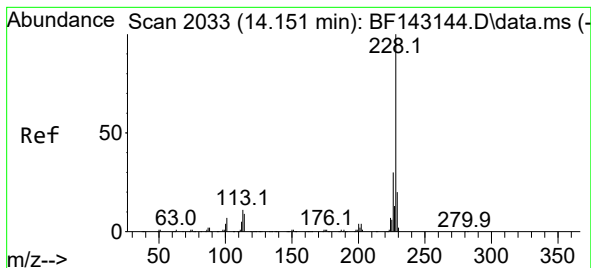
Ion Ratio Lower Upper

252 100

254 64.5 51.7 77.5

126 11.9 9.4 14.0





#83

Chrysene

Concen: 44.367 ng

RT: 14.157 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

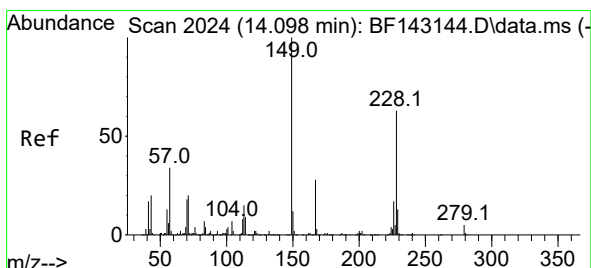
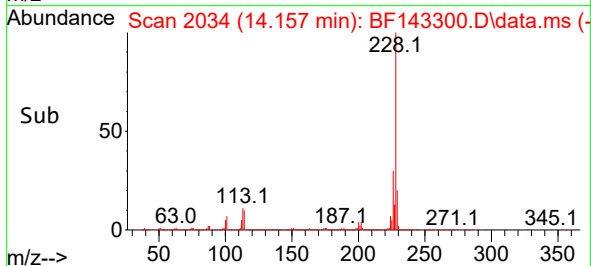
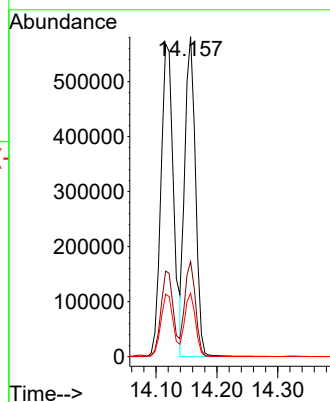
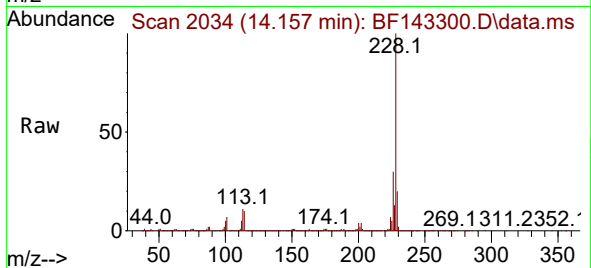
Tgt Ion:228 Resp: 709021

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.8

229 19.8 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.590 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

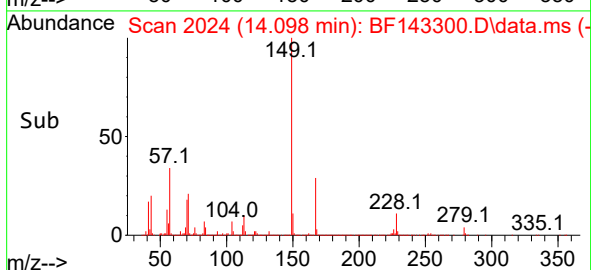
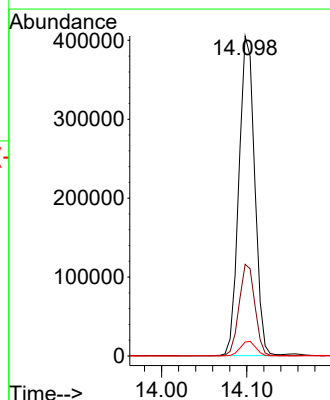
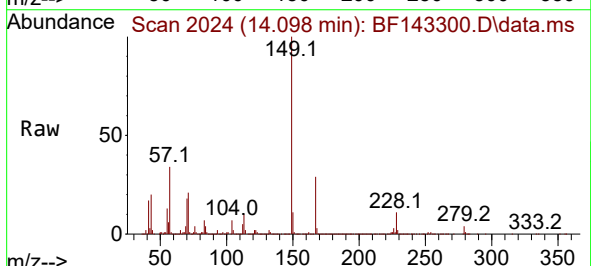
Tgt Ion:149 Resp: 520769

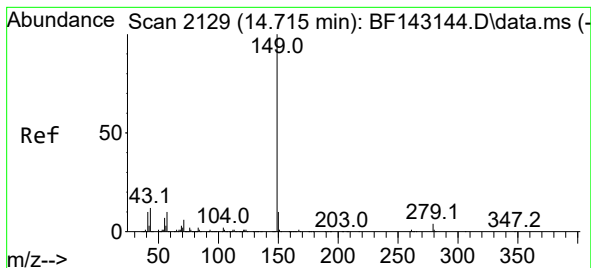
Ion Ratio Lower Upper

149 100

167 28.7 22.3 33.5

279 4.3 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 47.356 ng

RT: 14.716 min Scan# 2129

Delta R.T. 0.000 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

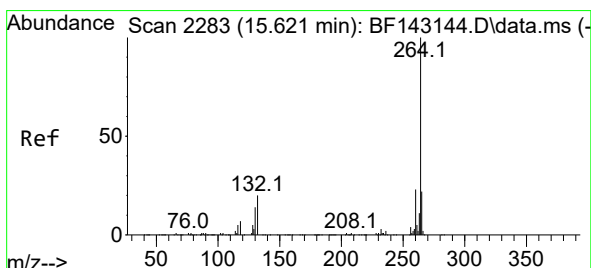
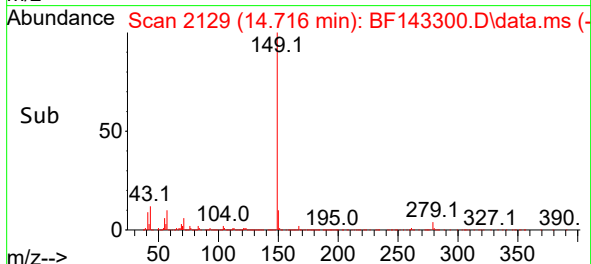
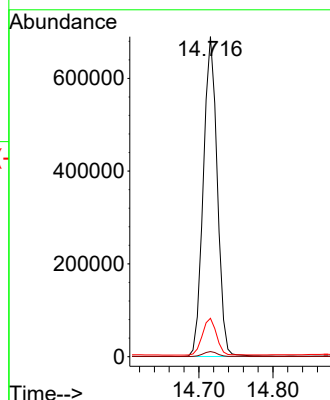
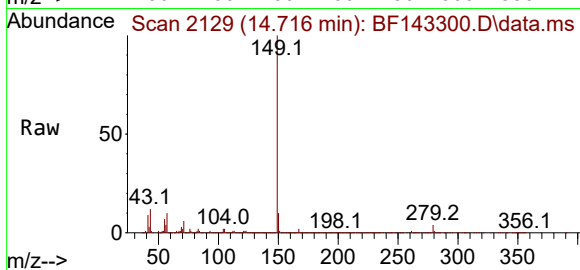
Tgt Ion:149 Resp: 901432

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: BF143300.D

Acq: 04 Aug 2025 17:05

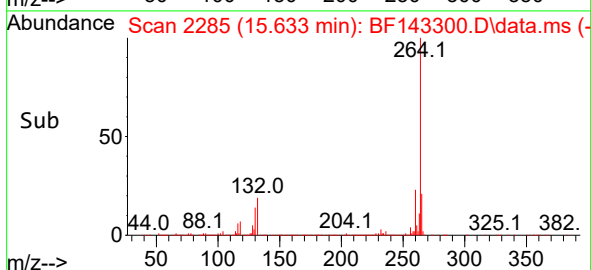
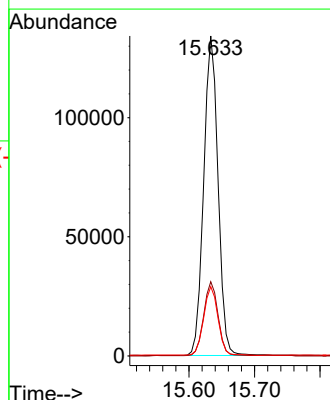
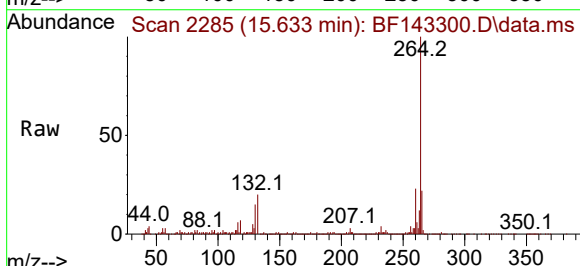
Tgt Ion:264 Resp: 204406

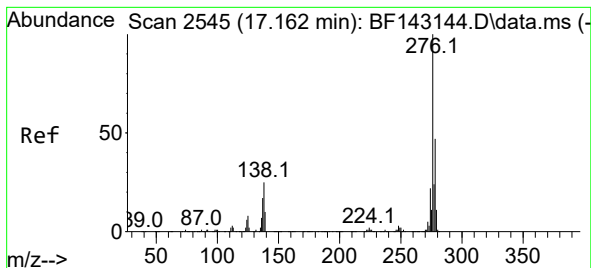
Ion Ratio Lower Upper

264 100

260 23.2 18.5 27.7

265 21.6 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 35.073 ng

RT: 17.180 min Scan# 2110

Delta R.T. 0.018 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

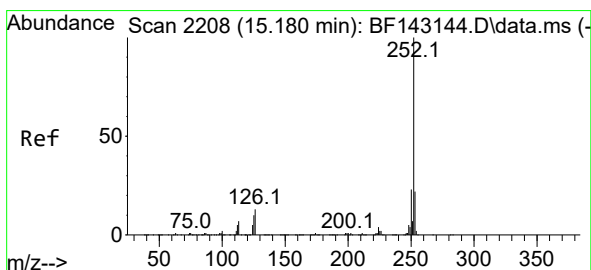
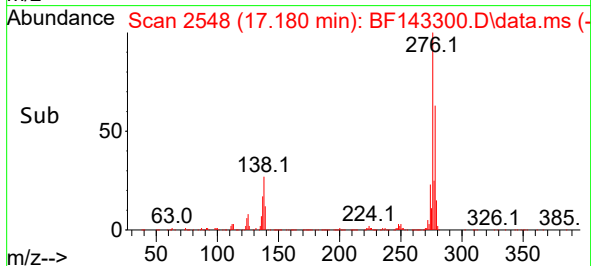
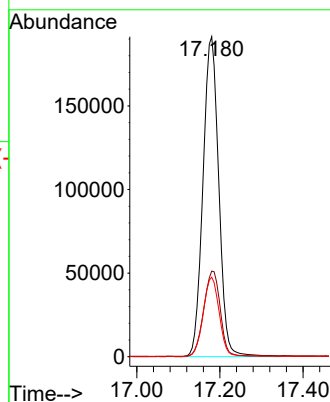
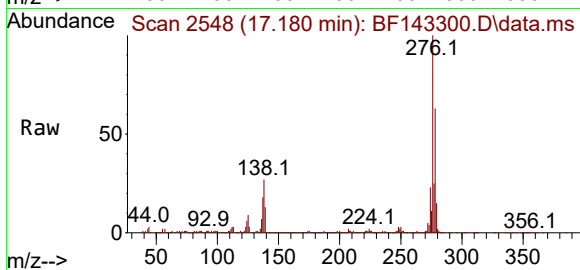
Tgt Ion:276 Resp: 505522

Ion Ratio Lower Upper

276 100

138 27.9 21.8 32.6

277 25.0 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 51.487 ng

RT: 15.192 min Scan# 2210

Delta R.T. 0.012 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

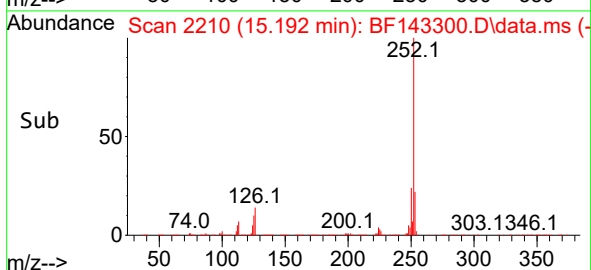
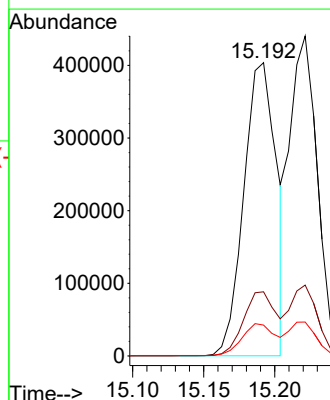
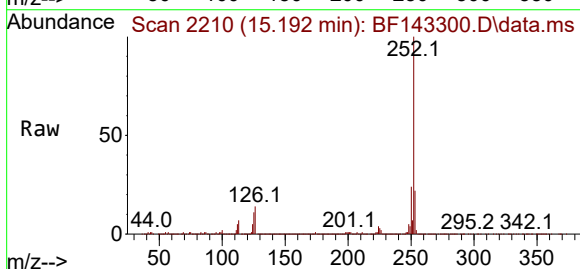
Tgt Ion:252 Resp: 642942

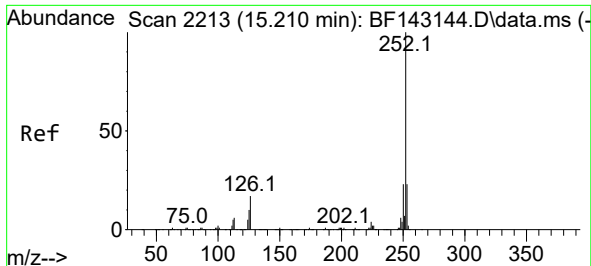
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 10.5 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 53.783 ng

RT: 15.221 min Scan# 2215

Delta R.T. 0.012 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

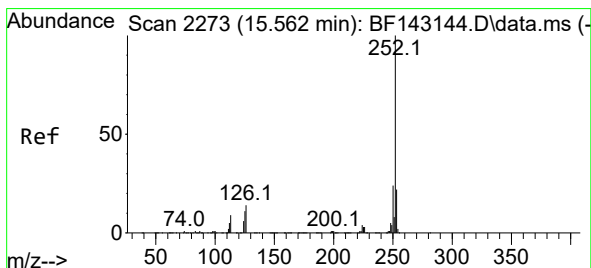
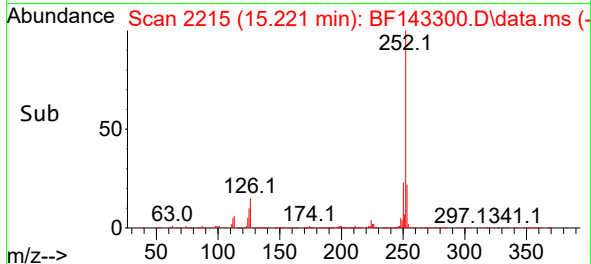
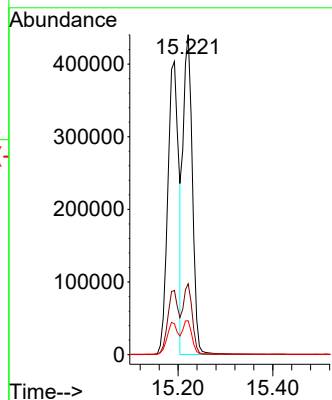
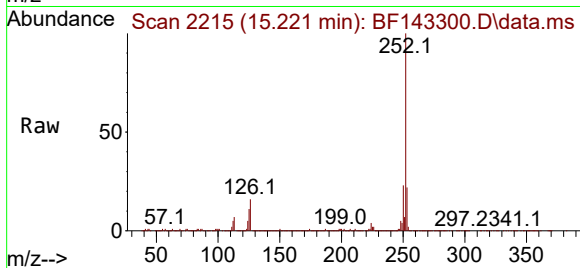
Tgt Ion:252 Resp: 599308

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

125 10.6 8.1 12.1



#90

Benzo(a)pyrene

Concen: 46.893 ng

RT: 15.568 min Scan# 2274

Delta R.T. 0.006 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

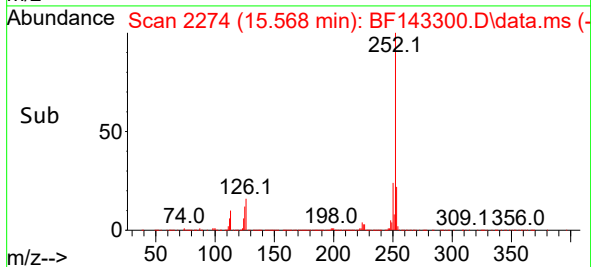
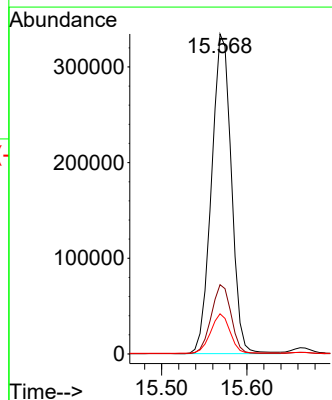
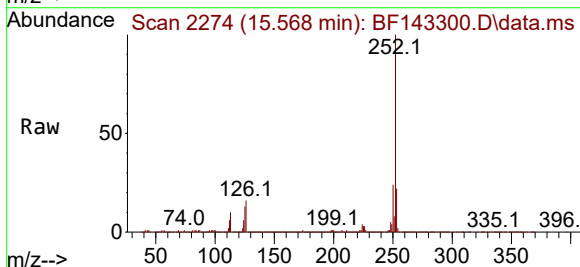
Tgt Ion:252 Resp: 539511

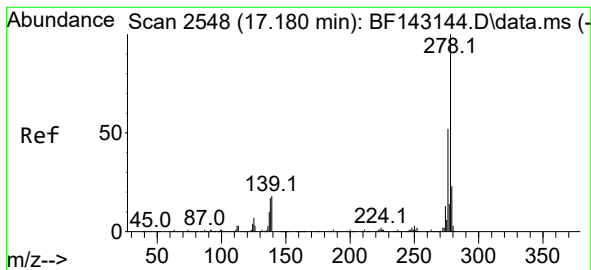
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 12.5 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 35.482 ng

RT: 17.192 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

Instrument :

BNA_F

ClientSampleId :

VNJ-253MSD

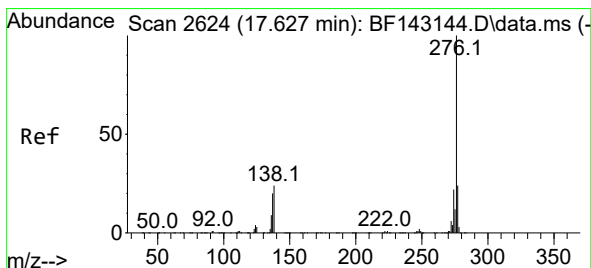
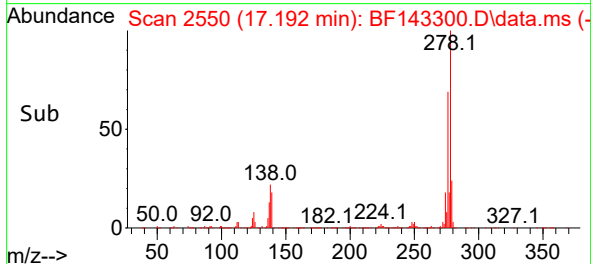
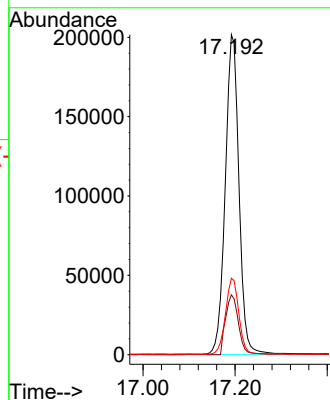
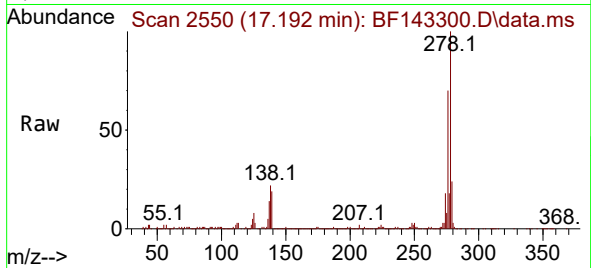
Tgt Ion:278 Resp: 416257

Ion Ratio Lower Upper

278 100

139 18.7 14.1 21.1

279 23.9 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 34.319 ng

RT: 17.645 min Scan# 2627

Delta R.T. 0.018 min

Lab File: BF143300.D

Acq: 04 Aug 2025 17:05

Tgt Ion:276 Resp: 389463

Ion Ratio Lower Upper

276 100

277 24.5 19.1 28.7

138 24.1 18.9 28.3

