

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
 Data File : BF142110.D
 Acq On : 26 Mar 2025 21:37
 Operator : RC/JU
 Sample : Q1630-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-206

Quant Time: Mar 27 01:06:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

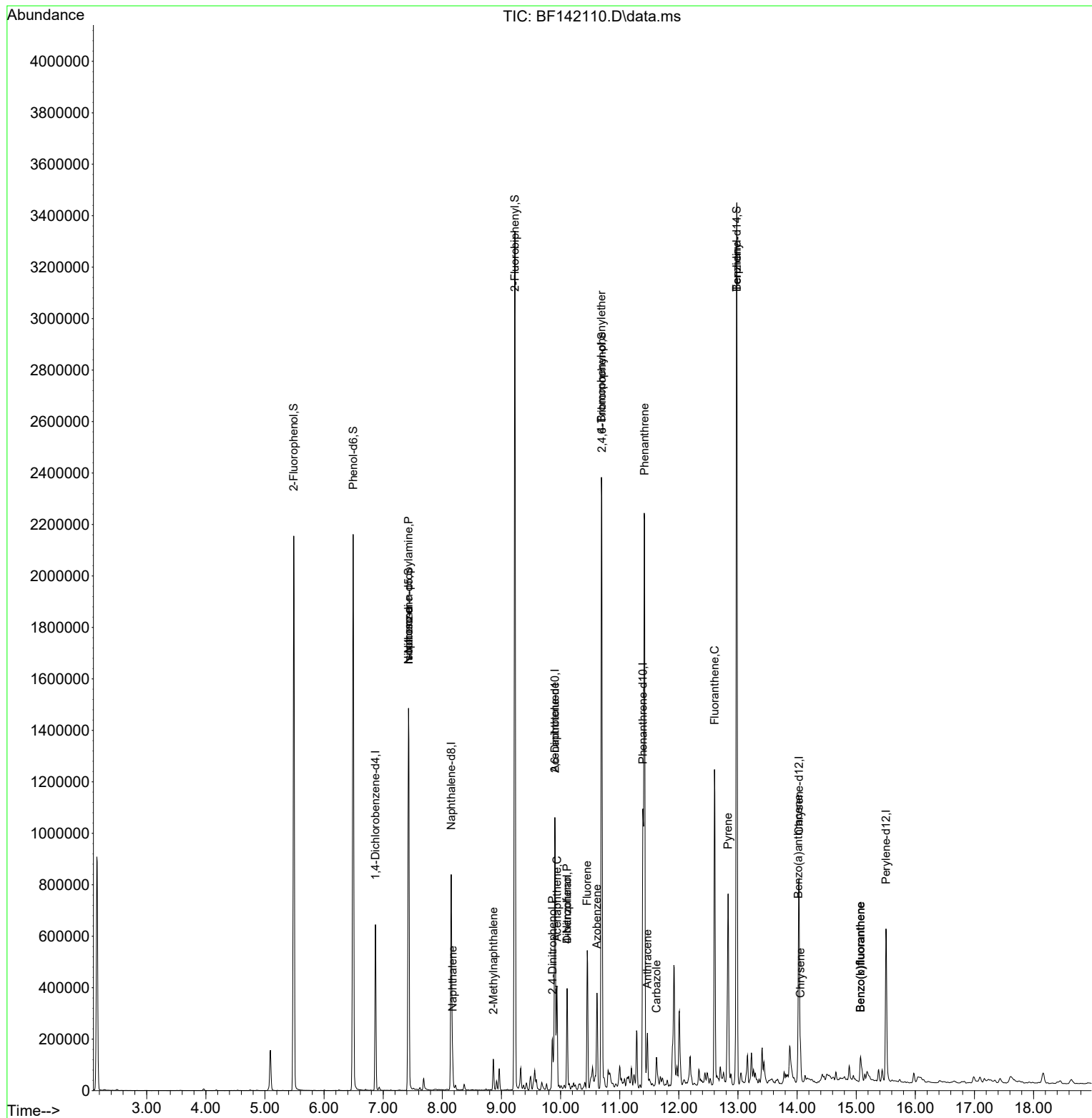
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	137431	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	546490	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	308685	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	549952	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	354769	20.000	ng	0.00
86) Perylene-d12	15.504	264	360083	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	857490	104.133	ng	0.00
7) Phenol-d6	6.492	99	1073175	102.360	ng	-0.01
23) Nitrobenzene-d5	7.428	82	698415	71.921	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	452104	115.448	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1495752	73.692	ng	-0.01
79) Terphenyl-d14	12.980	244	1693811	70.587	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	96452	14.317	ng	# 76
25) Isophorone	7.428	82	685435	39.931	ng	# 64
31) Naphthalene	8.175	128	72341	2.577	ng	99
37) 2-Methylnaphthalene	8.863	142	47559	2.535	ng	99
51) 2,6-Dinitrotoluene	9.904	165	44831	9.961	ng	# 23
52) Acenaphthene	9.939	154	121335	6.655	ng	99
54) 2,4-Dinitrophenol	9.863	184	814	6.866	ng	# 1
55) Dibenzofuran	10.110	168	208179	7.992	ng	97
56) 4-Nitrophenol	10.110	139	83646	24.295	ng	# 5
58) Fluorene	10.451	166	214972	10.701	ng	100
63) Azobenzene	10.616	77	77500	3.867	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	27664	4.005	ng	# 1
71) Phenanthrene	11.422	178	1248527	42.031	ng	99
72) Anthracene	11.469	178	124405	4.174	ng	98
73) Carbazole	11.622	167	55017	2.141	ng	100
75) Fluoranthene	12.604	202	713848	22.655	ng	99
77) Benzidine	12.980	184	23409	4.729	ng	# 94
78) Pyrene	12.833	202	422448	13.766	ng	98
81) Benzo(a)anthracene	14.021	228	90739	3.898	ng	98
83) Chrysene	14.057	228	77451	3.670	ng	98
88) Benzo(b)fluoranthene	15.074	252	86017	3.485	ng	# 97
89) Benzo(k)fluoranthene	15.074	252	86017	4.073	ng	98

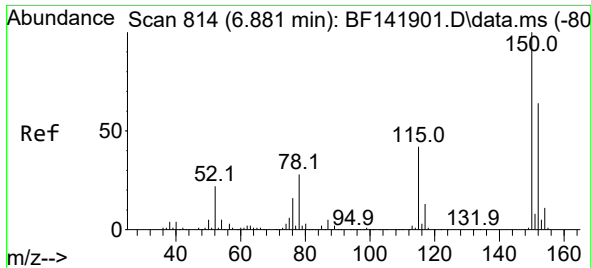
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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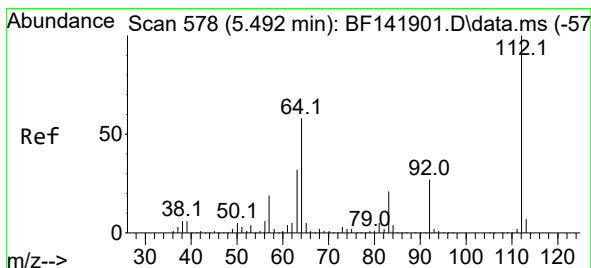
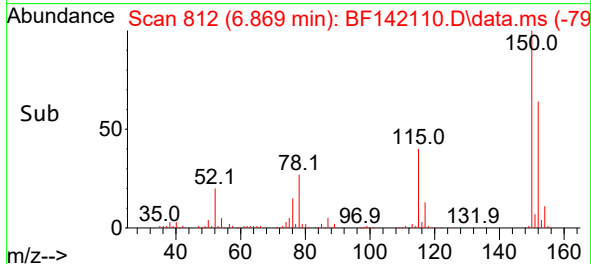
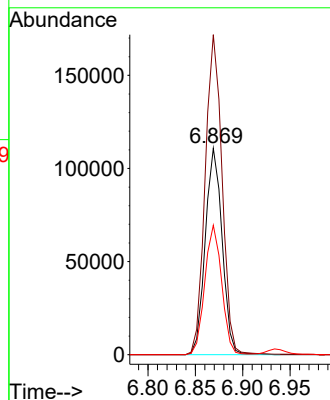
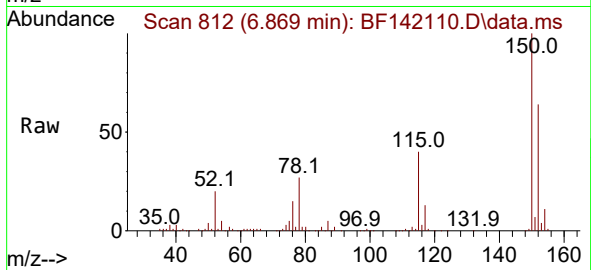




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

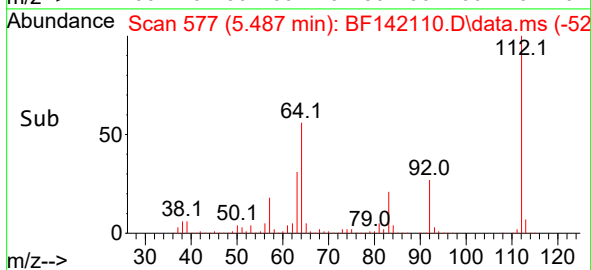
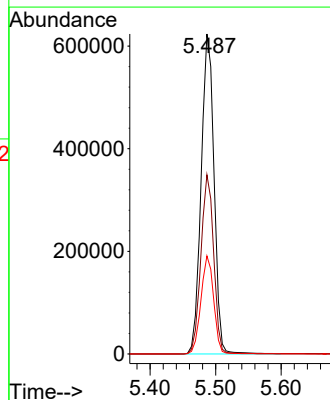
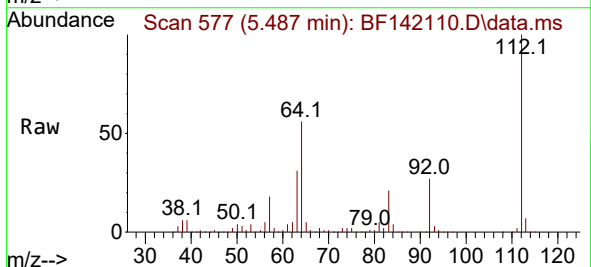
Instrument :
BNA_F
ClientSampleId :
VNJ-206

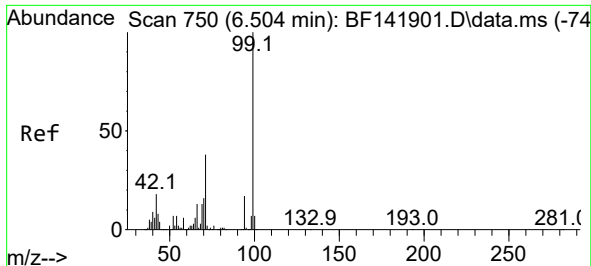
Tgt Ion:152 Resp: 137431
Ion Ratio Lower Upper
152 100
150 155.1 127.4 191.2
115 62.7 51.9 77.9



#5
2-Fluorophenol
Concen: 104.133 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

Tgt Ion:112 Resp: 857490
Ion Ratio Lower Upper
112 100
64 56.0 46.5 69.7
63 30.7 25.4 38.2

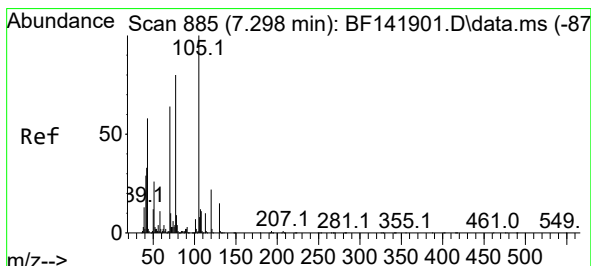
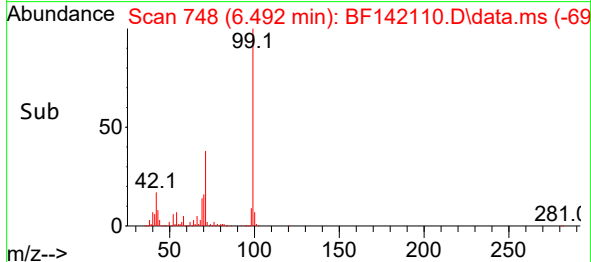
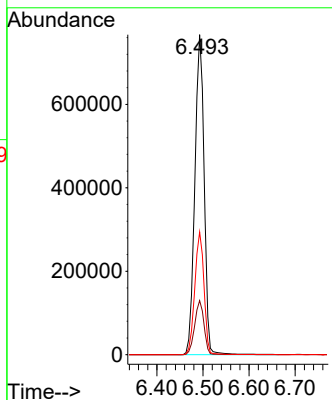
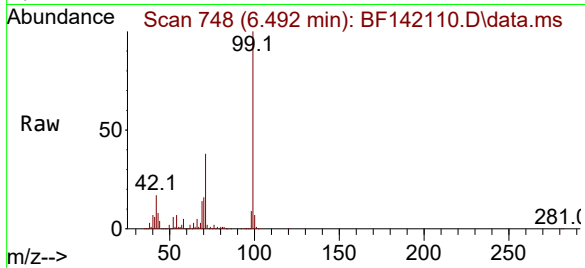




#7
Phenol-d6
Concen: 102.360 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

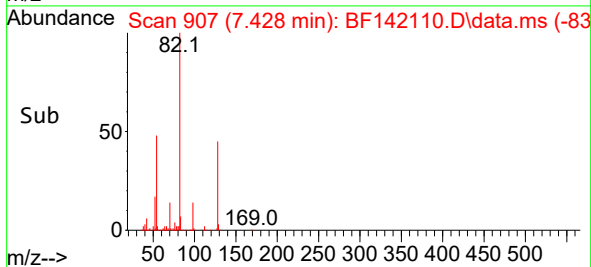
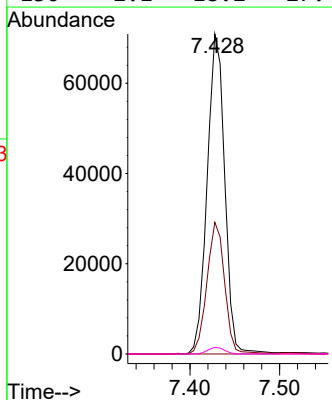
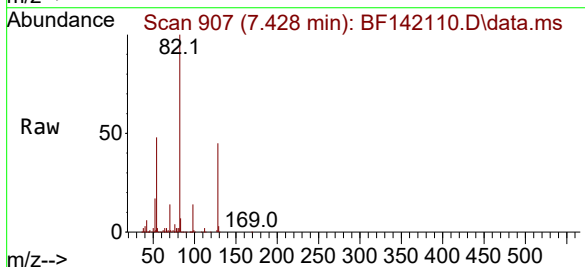
Instrument :
BNA_F
ClientSampleId :
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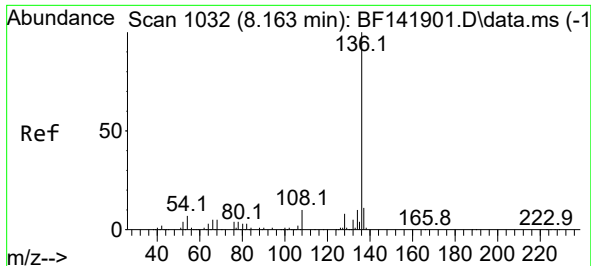
Tgt Ion: 99 Resp: 1073175
Ion Ratio Lower Upper
99 100
42 16.9 14.6 21.8
71 38.4 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.317 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.130 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

Tgt Ion: 70 Resp: 96452
Ion Ratio Lower Upper
70 100
42 41.2 41.4 62.0#
101 0.0 8.2 12.2#
130 2.1 18.2 27.4#

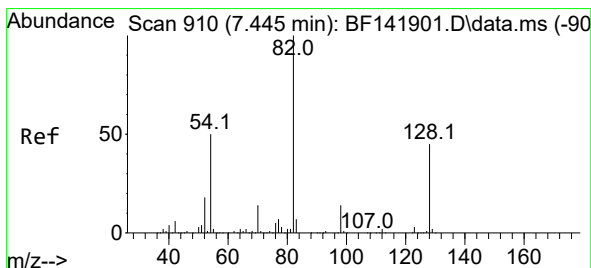
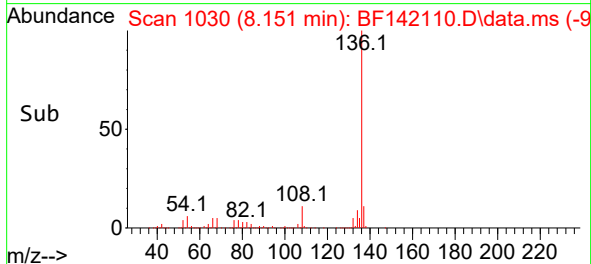
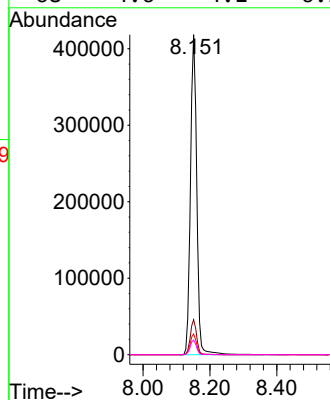
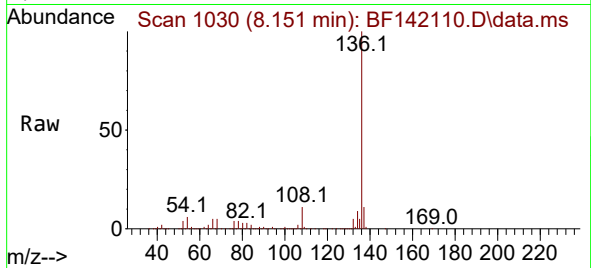




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

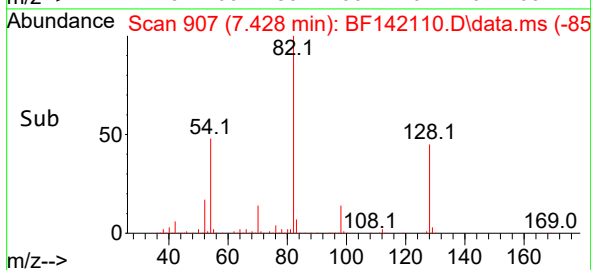
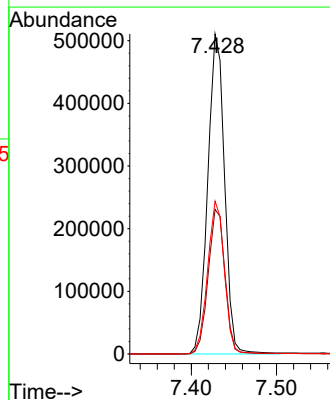
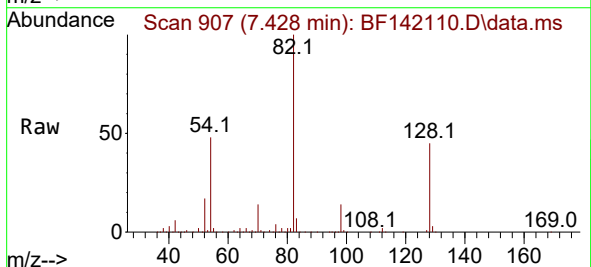
Instrument :
BNA_F
ClientSampleId :
VNJ-206

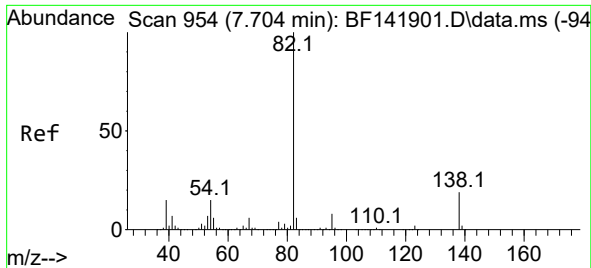
Tgt Ion:136 Resp: 546490
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.4 5.8 8.8
68 4.6 4.1 6.1



#23
Nitrobenzene-d5
Concen: 71.921 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

Tgt Ion: 82 Resp: 698415
Ion Ratio Lower Upper
82 100
128 45.2 36.0 54.0
54 47.8 39.6 59.4

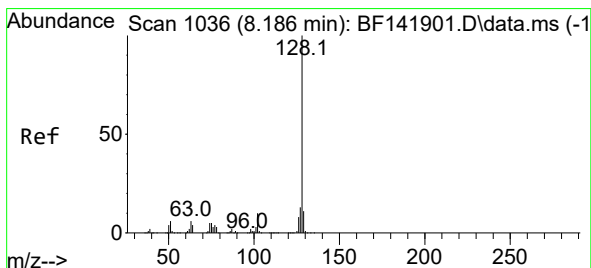
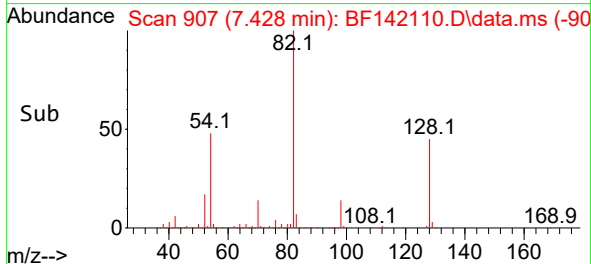
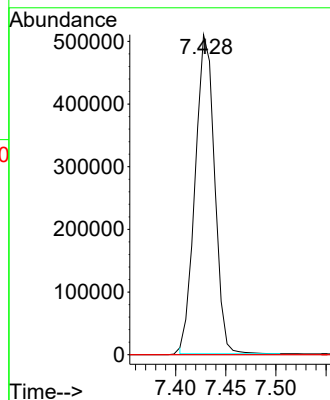
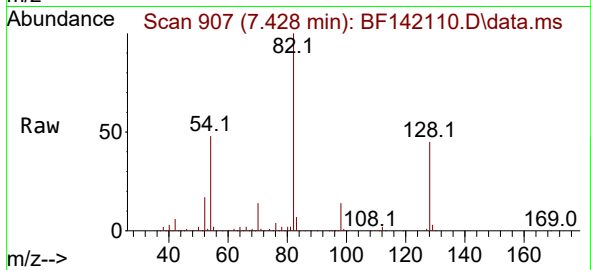




#25
Isophorone
Concen: 39.931 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

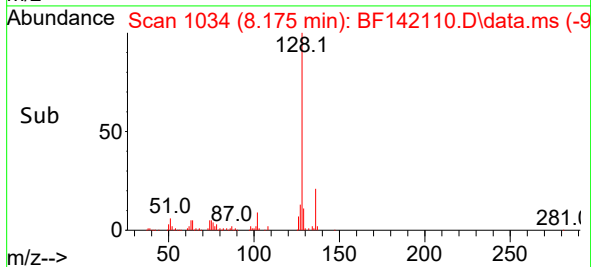
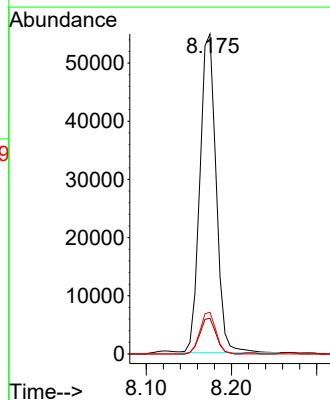
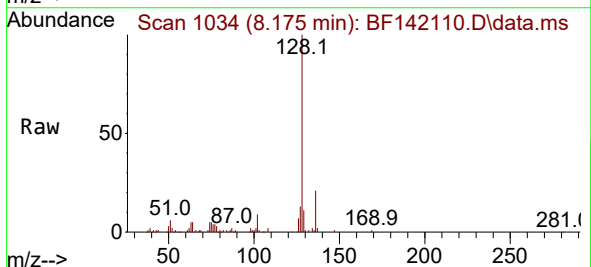
Instrument :
BNA_F
ClientSampleId :
VNJ-206

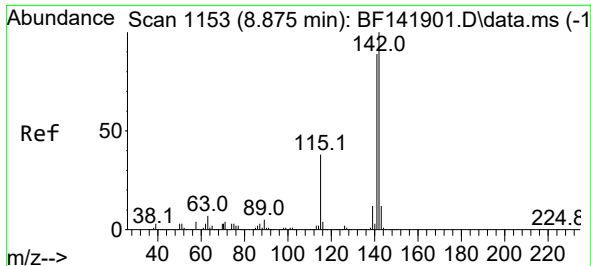
Tgt Ion: 82 Resp: 685435
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#31
Naphthalene
Concen: 2.577 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

Tgt Ion:128 Resp: 72341
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.0 10.8 16.2

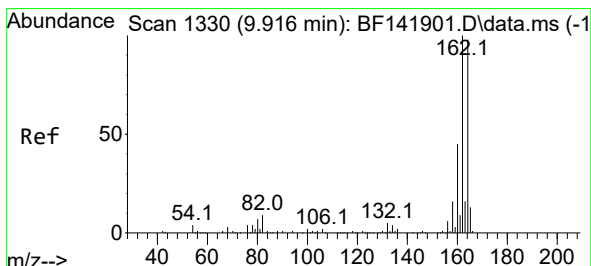
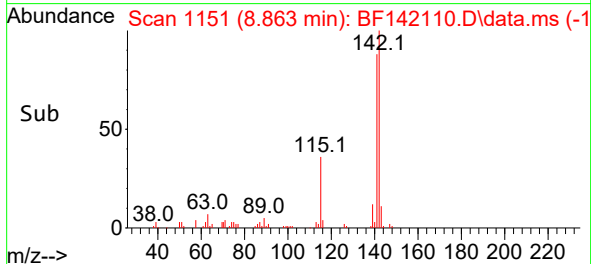
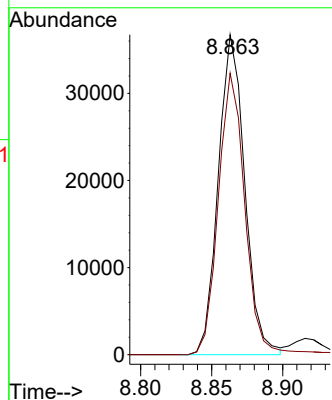
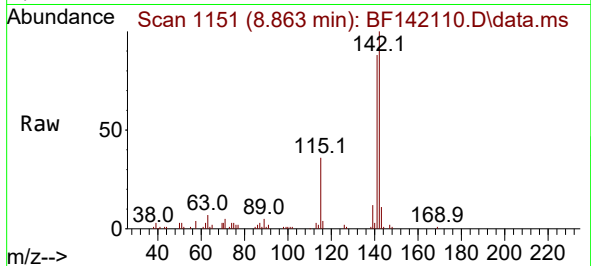




#37
2-Methylnaphthalene
Concen: 2.535 ng
RT: 8.863 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

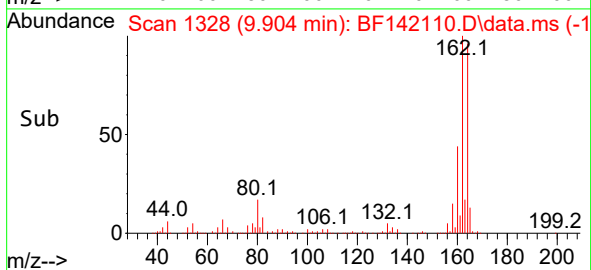
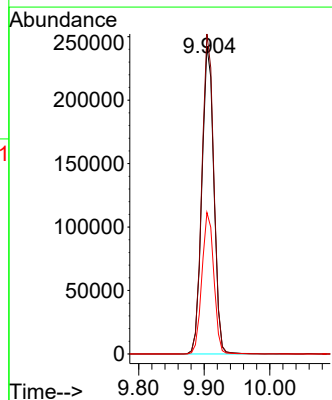
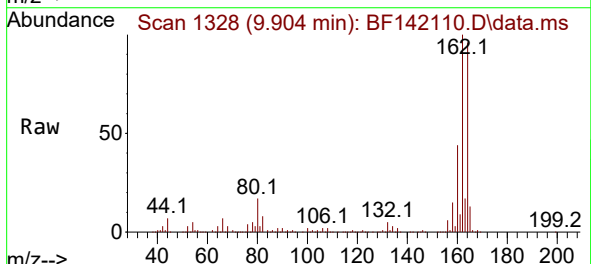
Instrument :
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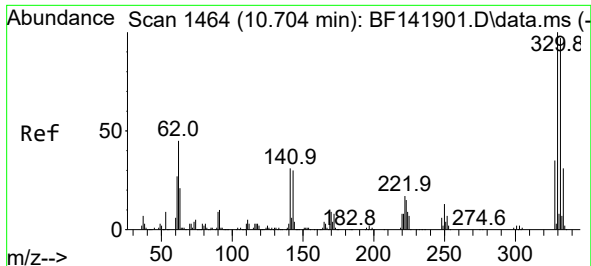
Tgt Ion:142 Resp: 47559
Ion Ratio Lower Upper
142 100
141 88.0 71.2 106.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

Tgt Ion:164 Resp: 308685
Ion Ratio Lower Upper
164 100
162 104.0 81.8 122.6
160 45.9 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 115.448 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142110.D

Acq: 26 Mar 2025 21:37

Instrument :

BNA_F

ClientSampleId :

VNJ-206

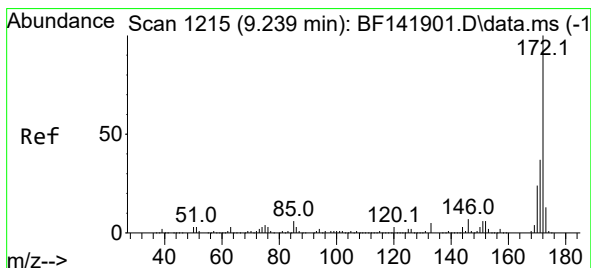
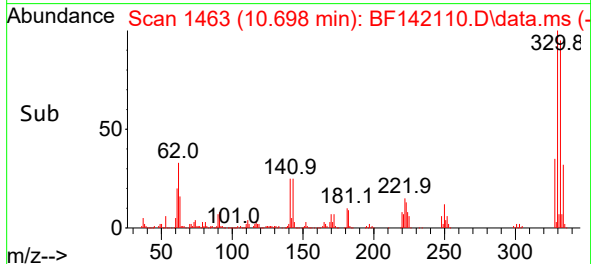
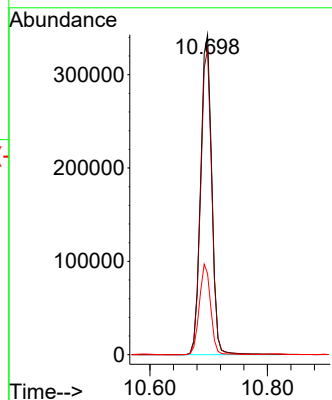
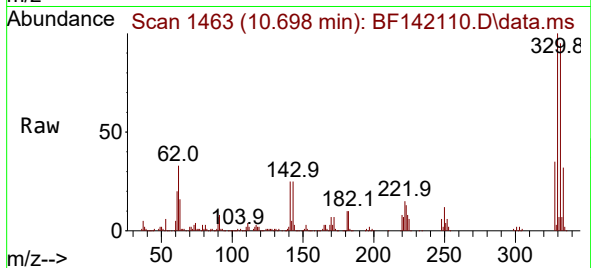
Tgt Ion:330 Resp: 452104

Ion Ratio Lower Upper

330 100

332 95.6 77.6 116.4

141 28.6 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 73.692 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142110.D

Acq: 26 Mar 2025 21:37

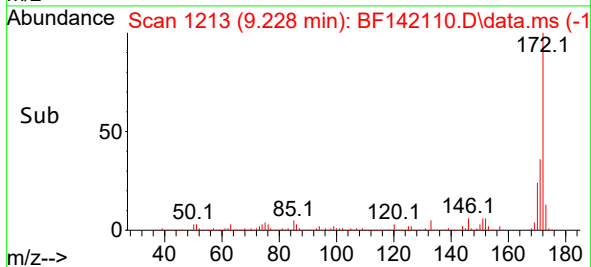
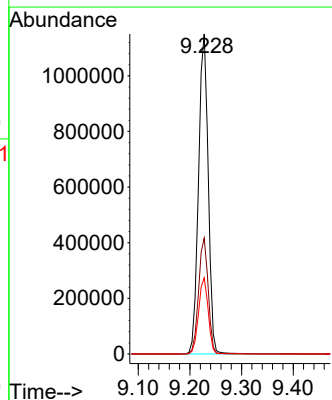
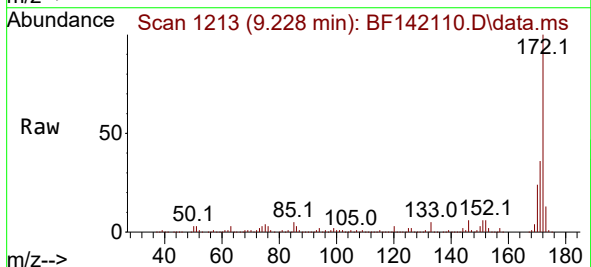
Tgt Ion:172 Resp: 1495752

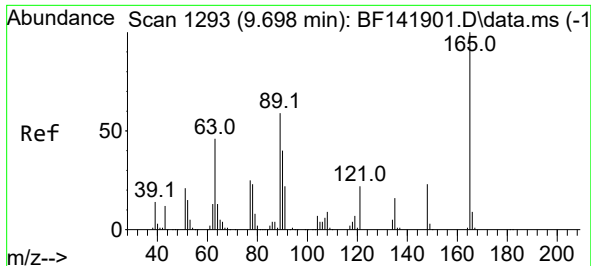
Ion Ratio Lower Upper

172 100

171 36.2 29.3 43.9

170 23.8 19.4 29.0

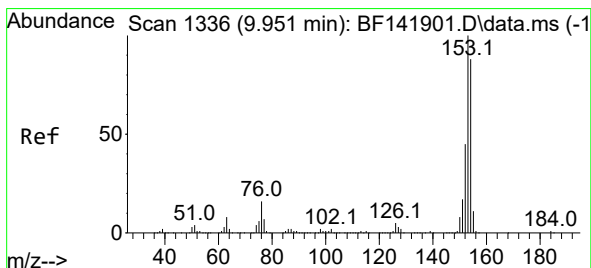
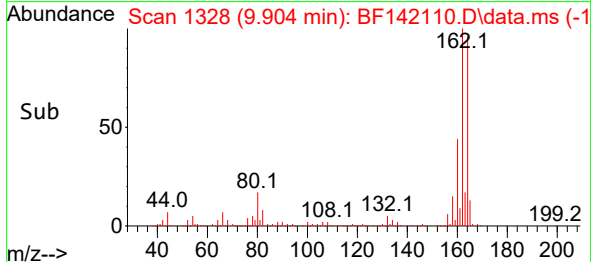
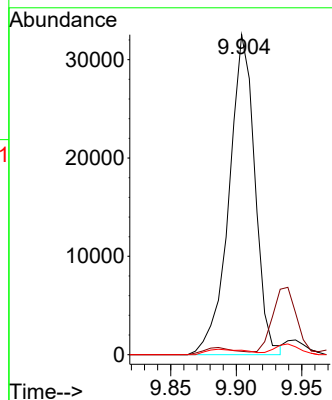
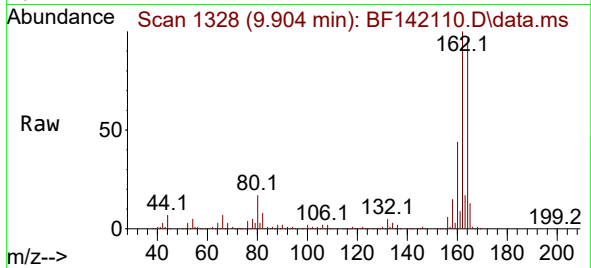




#51
2,6-Dinitrotoluene
Concen: 9.961 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

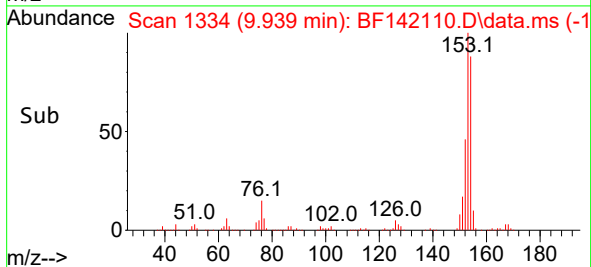
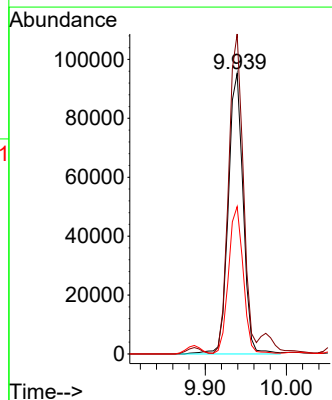
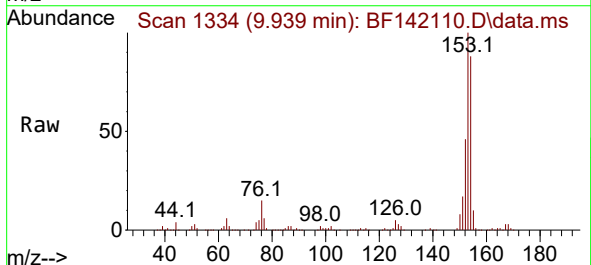
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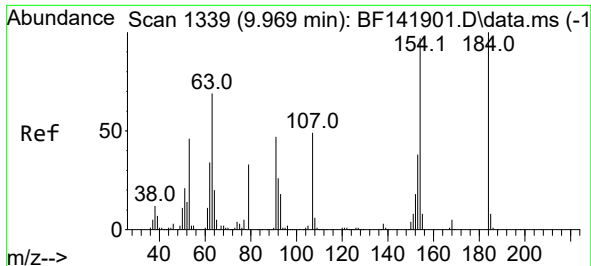
Tgt Ion:165 Resp: 44831
Ion Ratio Lower Upper
165 100
63 1.1 47.0 70.4#
89 1.4 47.4 71.2#



#52
Acenaphthene
Concen: 6.655 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

Tgt Ion:154 Resp: 121335
Ion Ratio Lower Upper
154 100
153 114.0 90.7 136.1
152 52.5 41.1 61.7

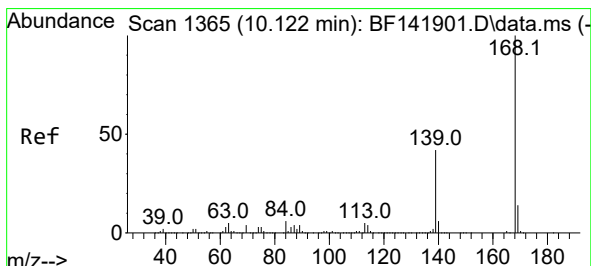
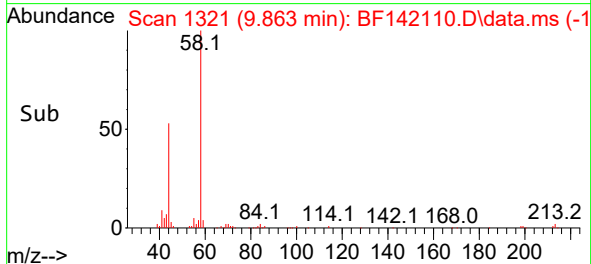
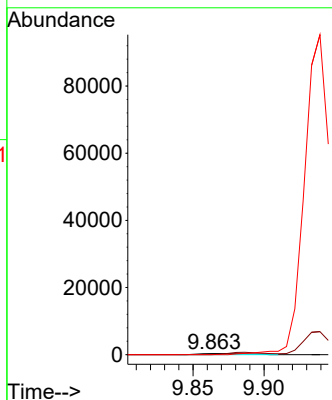
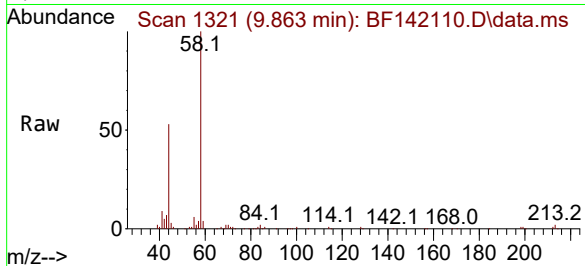




#54
2,4-Dinitrophenol
Concen: 6.866 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.106 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

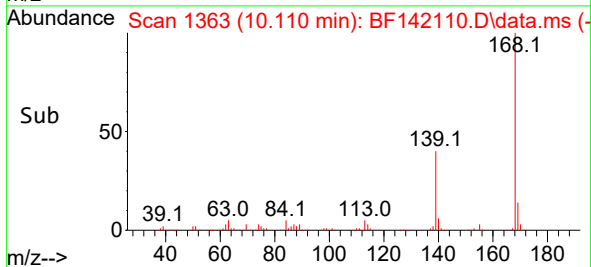
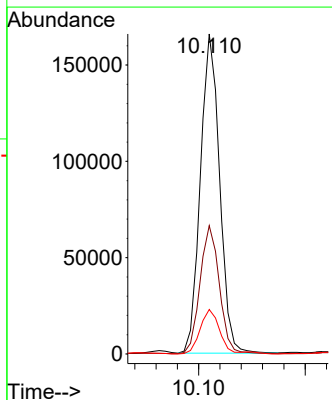
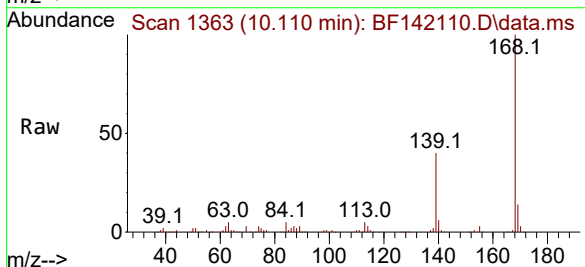
Instrument :
BNA_F
ClientSampleId :
VNJ-206

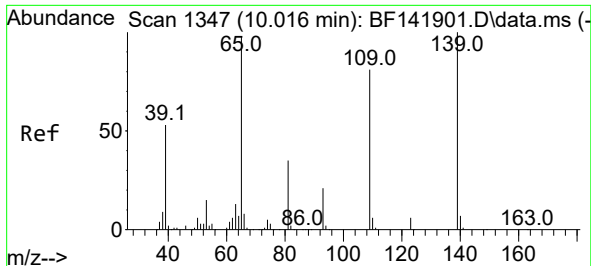
Tgt Ion:184 Resp: 814
Ion Ratio Lower Upper
184 100
63 0.0 60.2 90.4#
154 0.0 132.9 199.3#



#55
Dibenzofuran
Concen: 7.992 ng
RT: 10.110 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

Tgt Ion:168 Resp: 208179
Ion Ratio Lower Upper
168 100
139 40.1 33.9 50.9
169 13.9 11.0 16.4

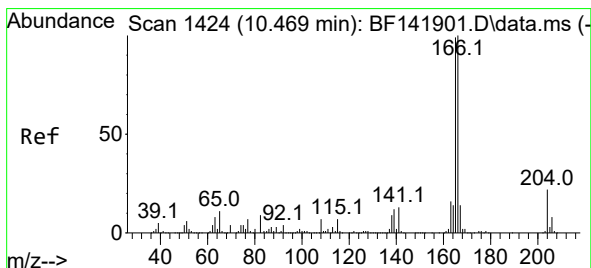
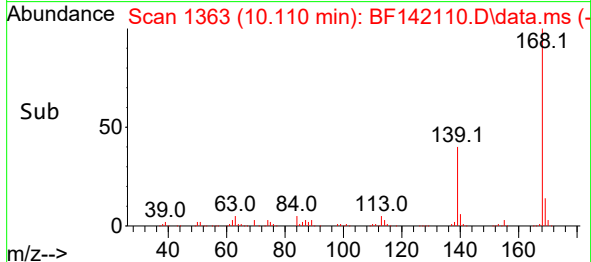
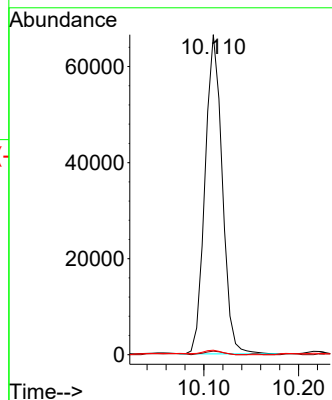
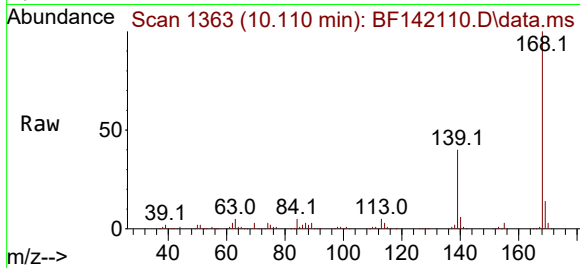




#56
4-Nitrophenol
Concen: 24.295 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.094 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

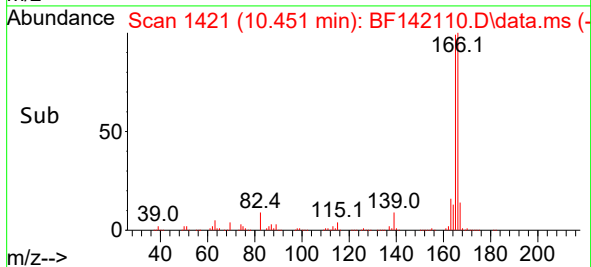
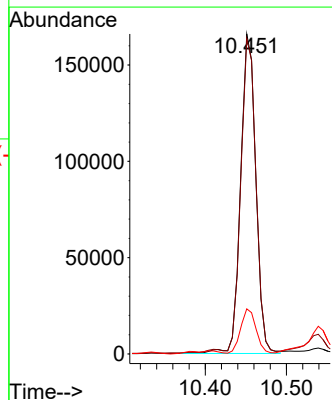
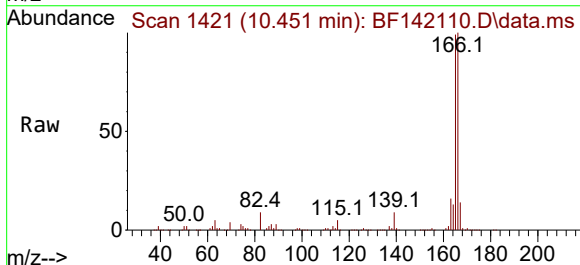
Instrument :
BNA_F
ClientSampleId :
VNJ-206

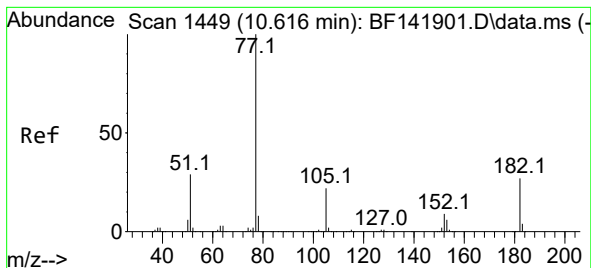
Tgt Ion:139 Resp: 83646
Ion Ratio Lower Upper
139 100
109 1.1 61.6 101.6#
65 1.4 79.4 119.4#



#58
Fluorene
Concen: 10.701 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.018 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

Tgt Ion:166 Resp: 214972
Ion Ratio Lower Upper
166 100
165 98.5 79.0 118.4
167 14.1 11.0 16.4





#63

Azobenzene

Concen: 3.867 ng

RT: 10.616 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BF142110.D

Acq: 26 Mar 2025 21:37

Instrument :

BNA_F

ClientSampleId :

VNJ-206

Tgt Ion: 77 Resp: 77500

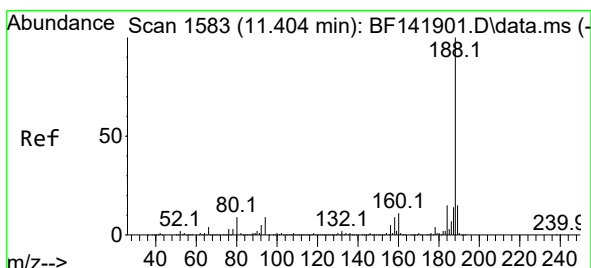
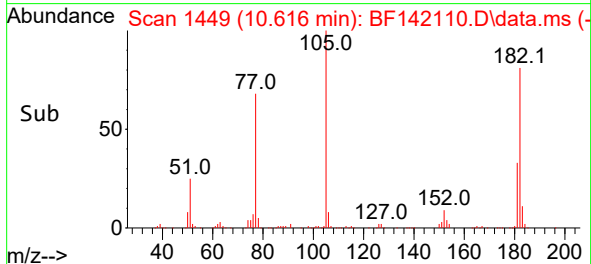
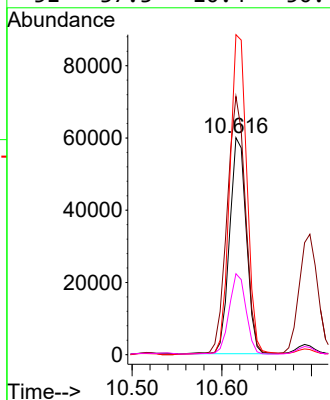
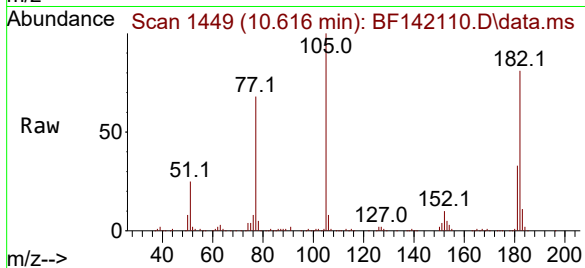
Ion Ratio Lower Upper

77 100

182 119.0 6.6 46.6#

105 147.5 1.3 41.3#

51 37.3 10.4 50.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF142110.D

Acq: 26 Mar 2025 21:37

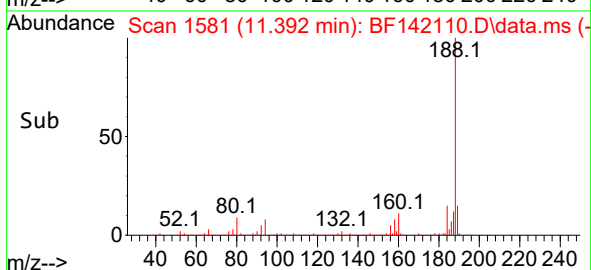
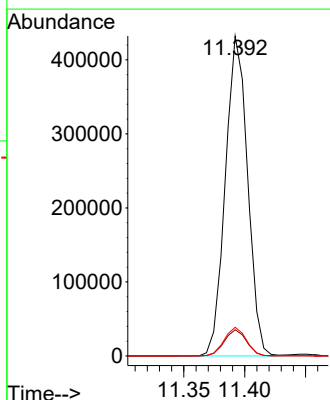
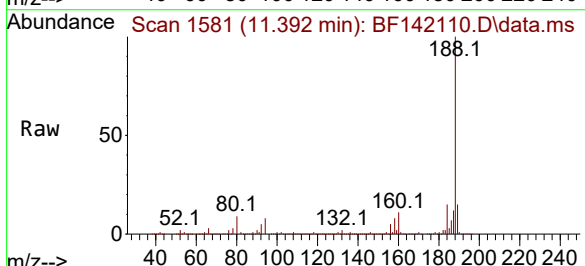
Tgt Ion:188 Resp: 549952

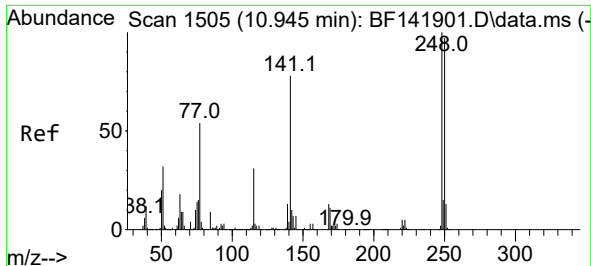
Ion Ratio Lower Upper

188 100

94 8.2 6.8 10.2

80 9.0 7.6 11.4

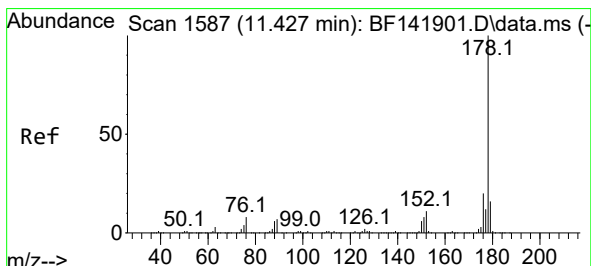
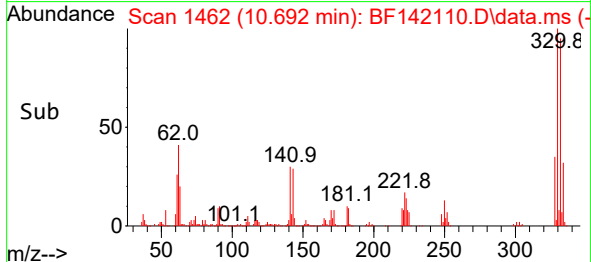
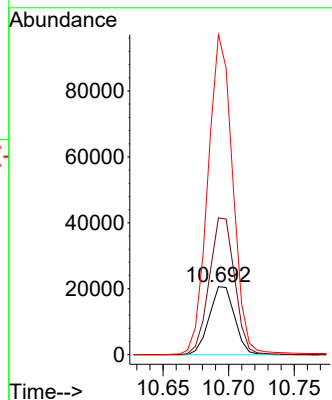
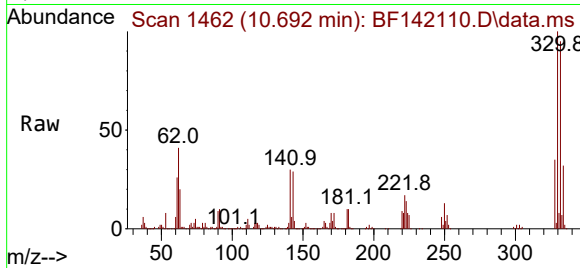




#67
4-Bromophenyl-phenylether
Concen: 4.005 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.253 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

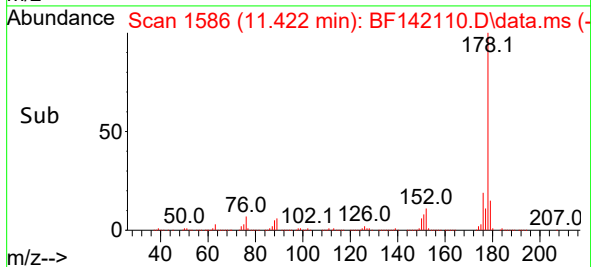
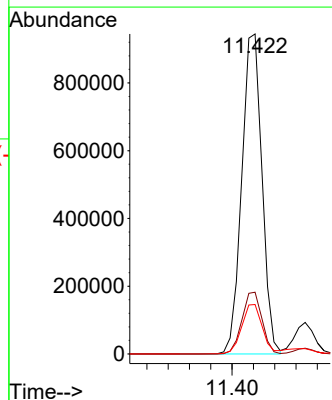
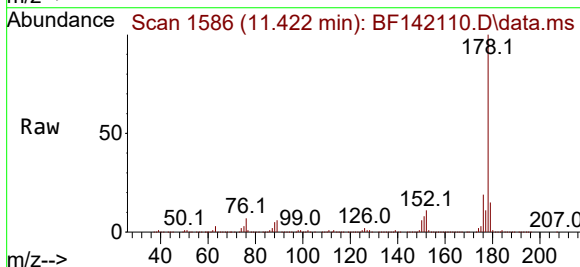
Instrument :
BNA_F
ClientSampleId :
VNJ-206

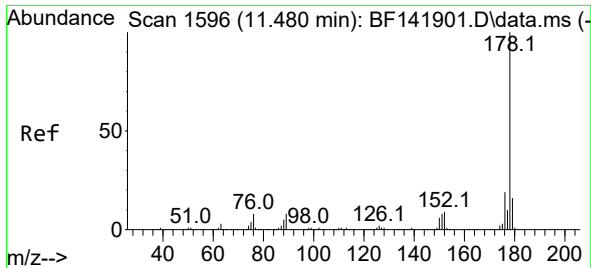
Tgt Ion:248 Resp: 27664
Ion Ratio Lower Upper
248 100
250 201.3 77.8 116.8#
141 470.9 62.6 93.8#



#71
Phenanthrene
Concen: 42.031 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

Tgt Ion:178 Resp: 1248527
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.5 12.6 19.0

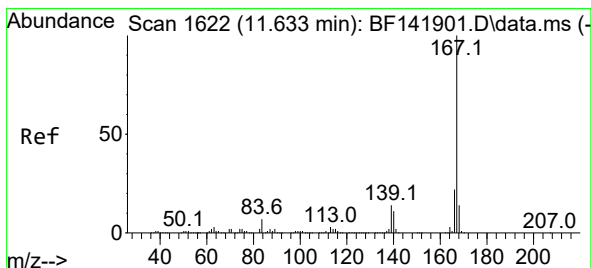
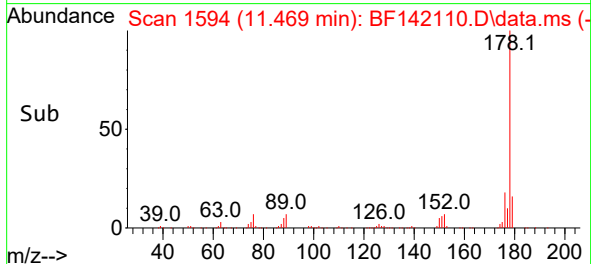
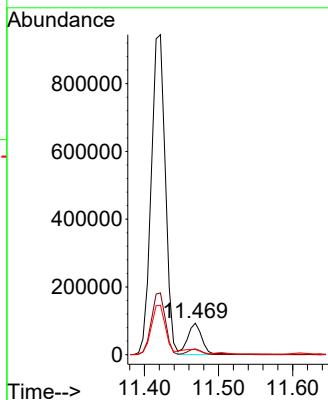
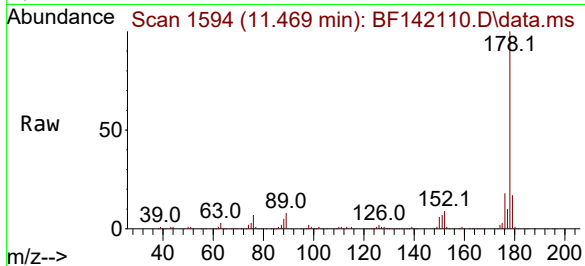




#72
 Anthracene
 Concen: 4.174 ng
 RT: 11.469 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF142110.D
 Acq: 26 Mar 2025 21:37

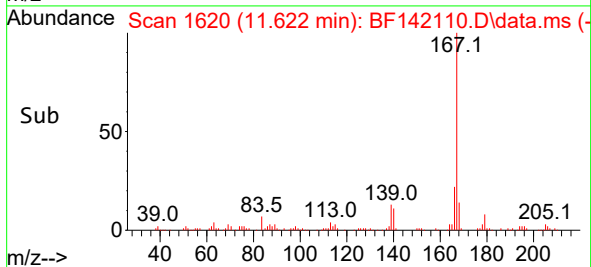
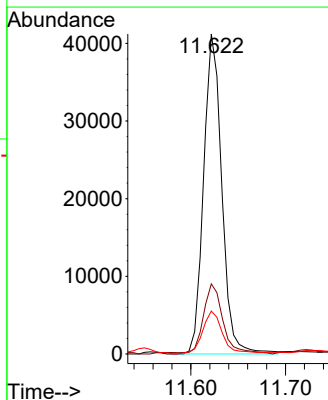
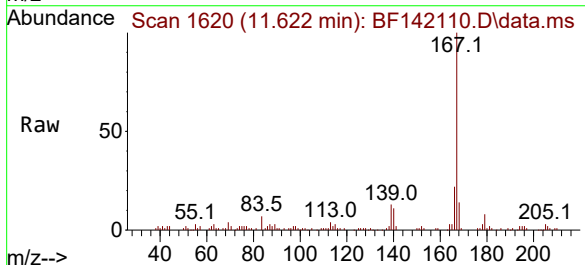
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-206

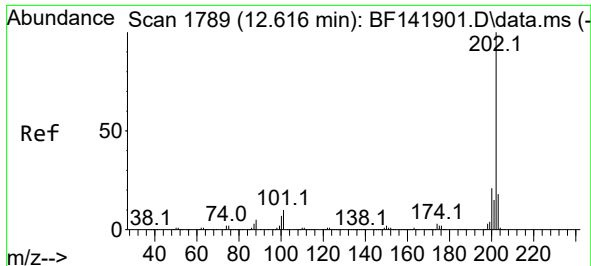
Tgt Ion:178 Resp: 124405
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.1 22.7
 179 16.6 12.6 19.0



#73
 Carbazole
 Concen: 2.141 ng
 RT: 11.622 min Scan# 1620
 Delta R.T. -0.012 min
 Lab File: BF142110.D
 Acq: 26 Mar 2025 21:37

Tgt Ion:167 Resp: 55017
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.2
 139 13.4 11.0 16.6

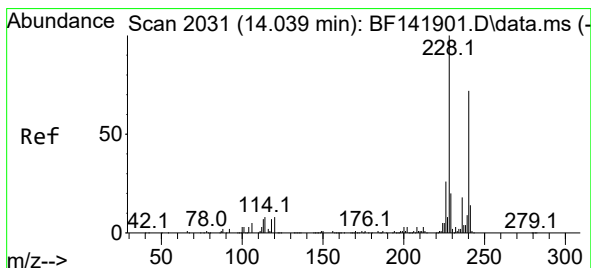
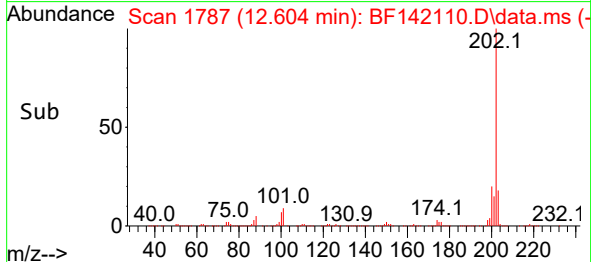
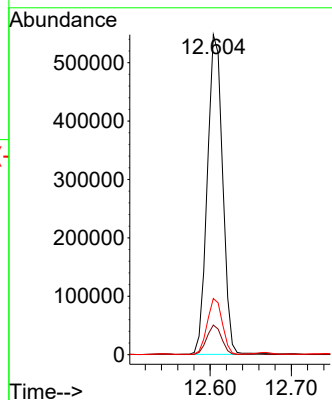
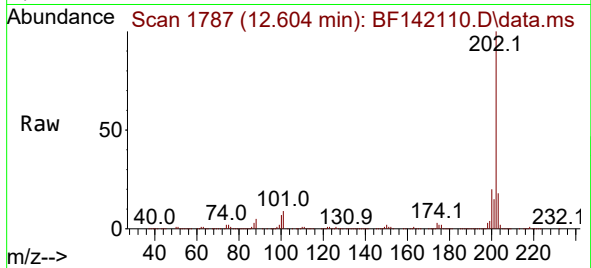




#75
Fluoranthene
Concen: 22.655 ng
RT: 12.604 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

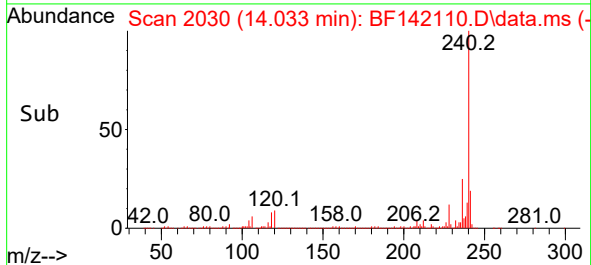
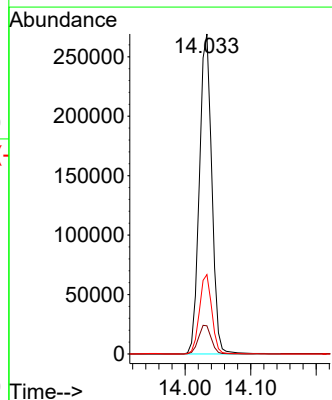
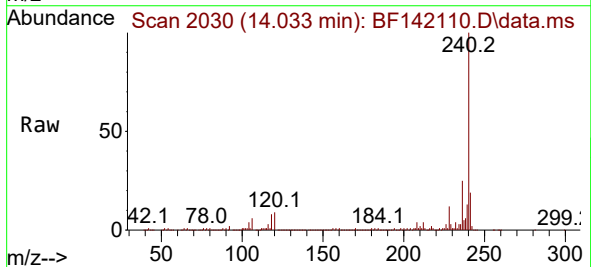
Instrument :
BNA_F
ClientSampleId :
VNJ-206

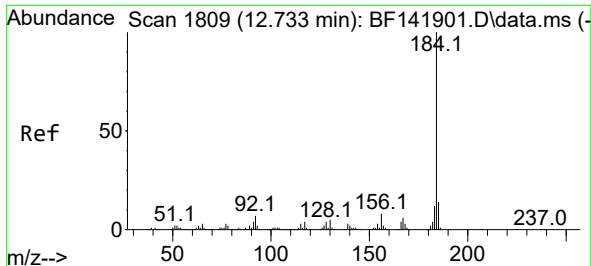
Tgt Ion:202 Resp: 713848
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.7
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

Tgt Ion:240 Resp: 354769
Ion Ratio Lower Upper
240 100
120 8.8 8.4 12.6
236 24.8 20.5 30.7

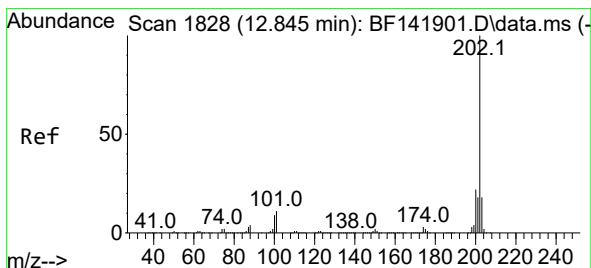
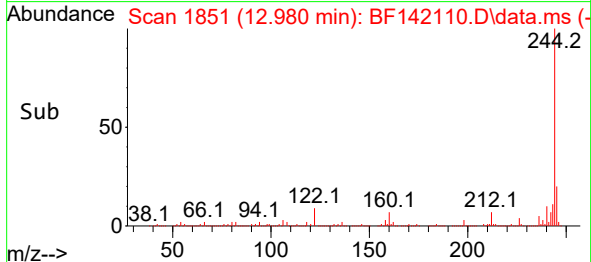
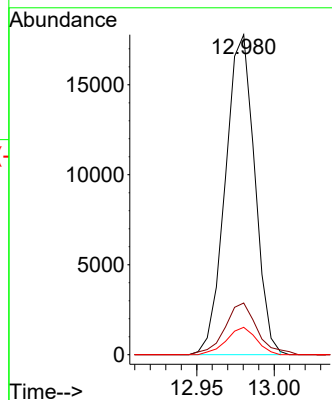
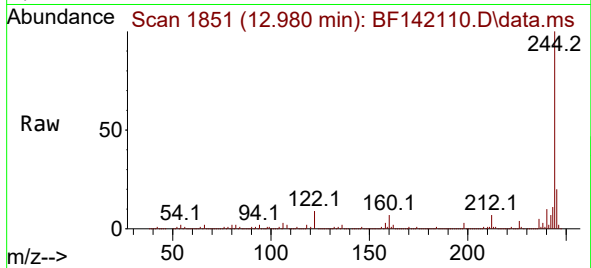




#77
Benzidine
Concen: 4.729 ng
RT: 12.980 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

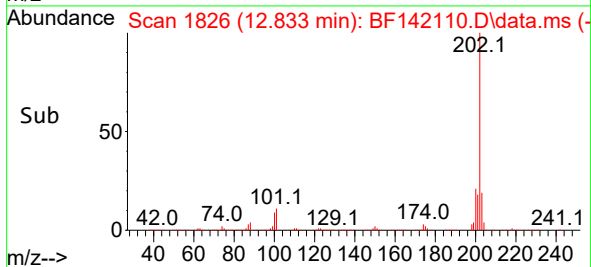
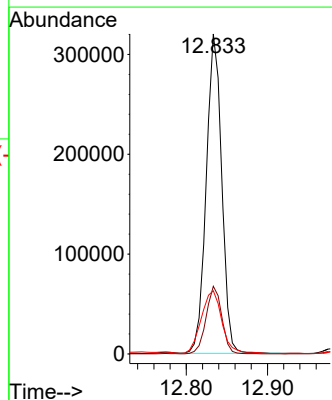
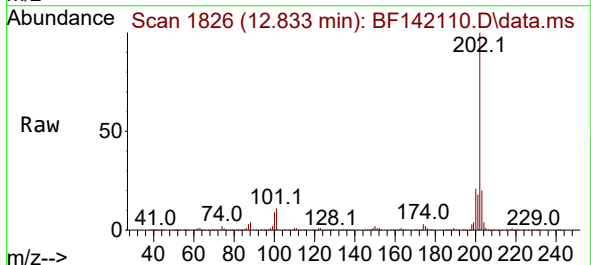
Instrument :
BNA_F
ClientSampleId :
VNJ-206

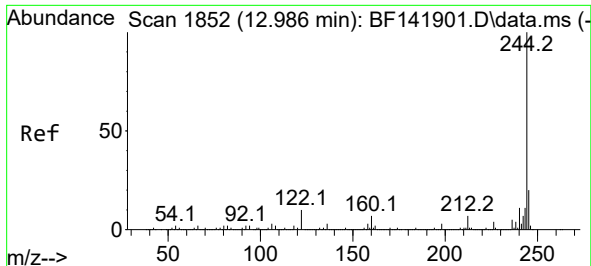
Tgt Ion:184 Resp: 23409
Ion Ratio Lower Upper
184 100
185 16.1 11.5 17.3
183 8.6 9.7 14.5#



#78
Pyrene
Concen: 13.766 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF142110.D
Acq: 26 Mar 2025 21:37

Tgt Ion:202 Resp: 422448
Ion Ratio Lower Upper
202 100
200 21.1 17.3 25.9
203 19.8 14.4 21.6

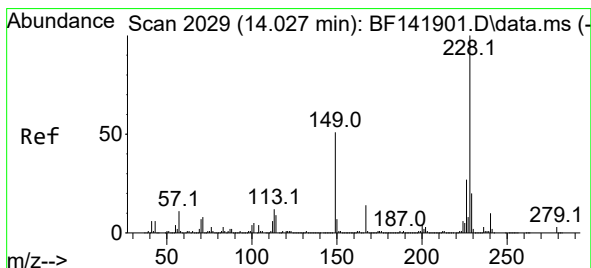
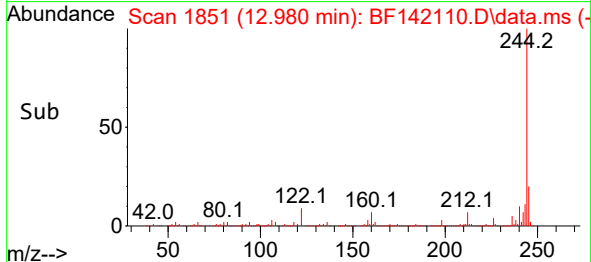
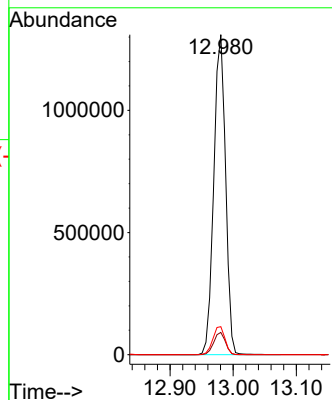
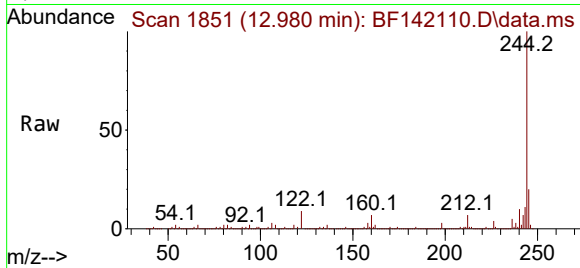




#79
 Terphenyl-d14
 Concen: 70.587 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142110.D
 Acq: 26 Mar 2025 21:37

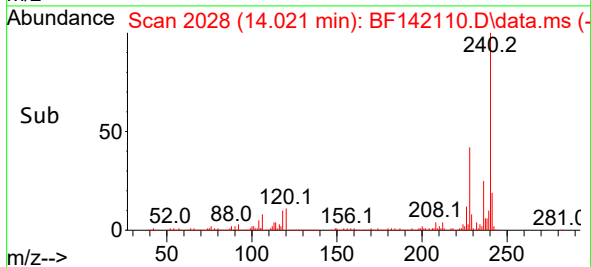
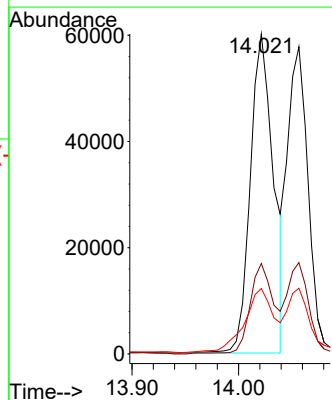
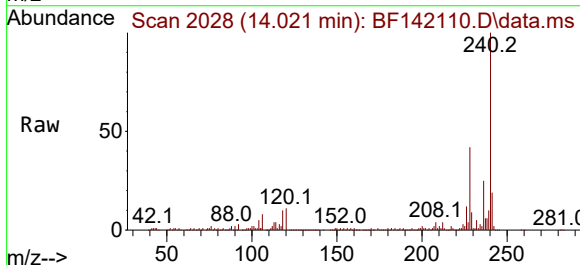
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-206

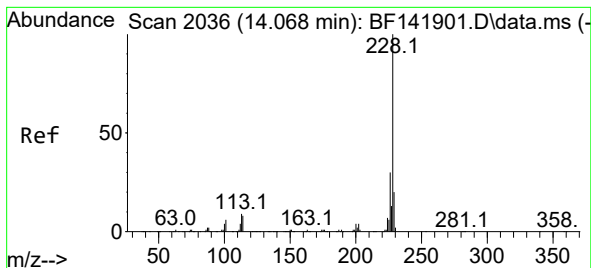
Tgt Ion:244 Resp: 1693811
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 8.7 7.7 11.5



#81
 Benzo(a)anthracene
 Concen: 3.898 ng
 RT: 14.021 min Scan# 2028
 Delta R.T. -0.006 min
 Lab File: BF142110.D
 Acq: 26 Mar 2025 21:37

Tgt Ion:228 Resp: 90739
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.8 32.8
 229 20.5 16.0 24.0





#83

Chrysene

Concen: 3.670 ng

RT: 14.057 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF142110.D

Acq: 26 Mar 2025 21:37

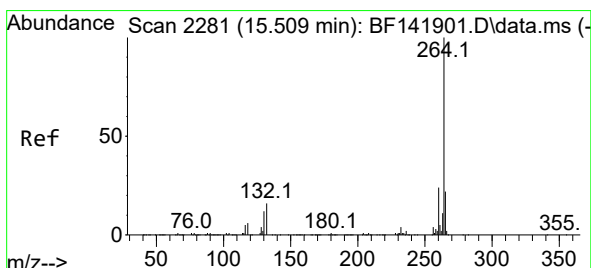
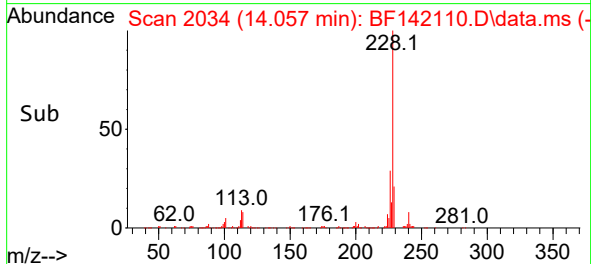
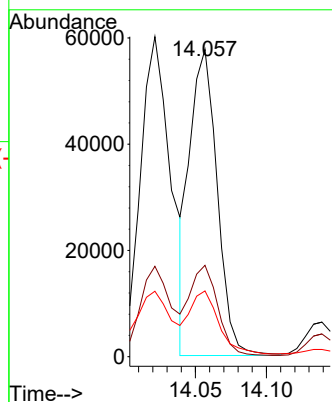
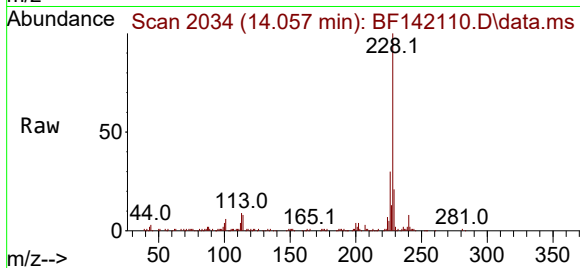
Instrument :

BNA_F

ClientSampleId :

VNJ-206

Tgt Ion:228	Resp: 77451
Ion Ratio	Lower Upper
228	100
226	29.7 24.1 36.1
229	21.4 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

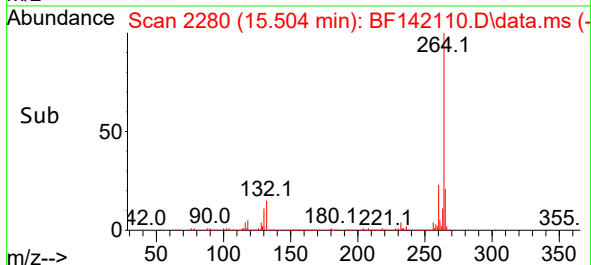
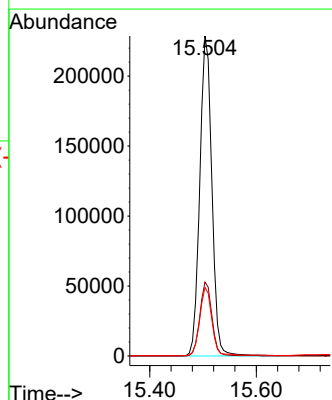
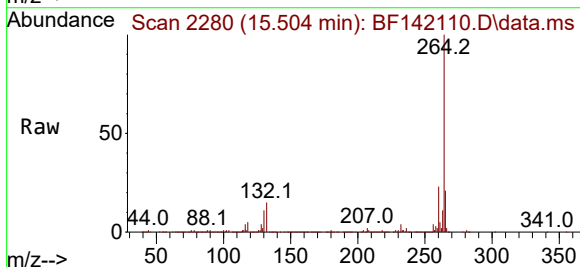
RT: 15.504 min Scan# 2280

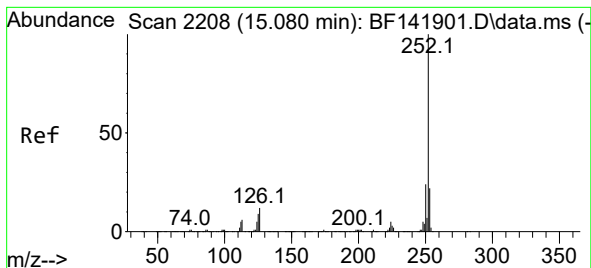
Delta R.T. -0.006 min

Lab File: BF142110.D

Acq: 26 Mar 2025 21:37

Tgt Ion:264	Resp: 360083
Ion Ratio	Lower Upper
264	100
260	23.1 19.1 28.7
265	21.4 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 3.485 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142110.D

Acq: 26 Mar 2025 21:37

Instrument :

BNA_F

ClientSampleId :

VNJ-206

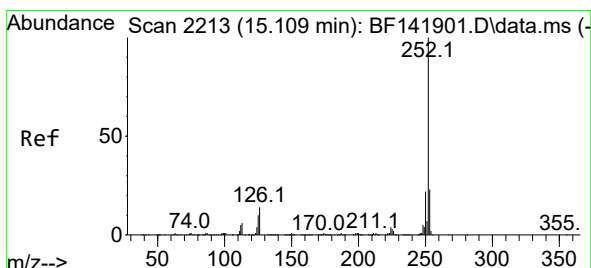
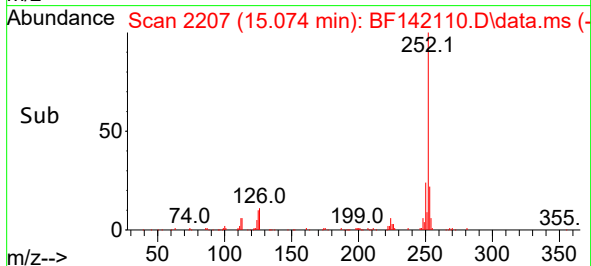
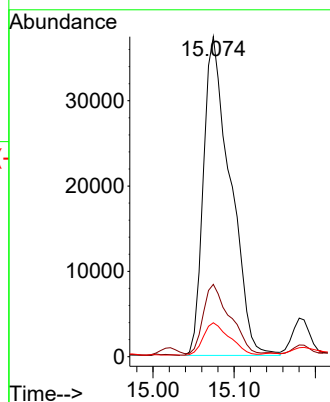
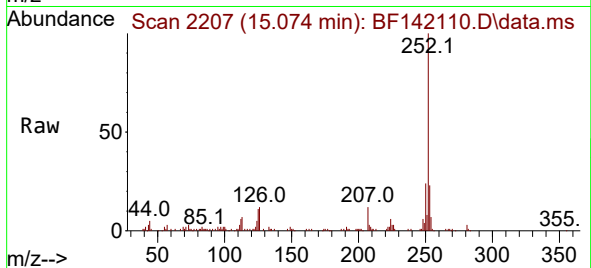
Tgt Ion:252 Resp: 86017

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 10.6 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 4.073 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.035 min

Lab File: BF142110.D

Acq: 26 Mar 2025 21:37

Tgt Ion:252 Resp: 86017

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 10.6 7.2 10.8

