

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143413.D
 Acq On : 15 Aug 2025 10:48
 Operator : RC/JU
 Sample : Q2858-01DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ 216DL

Quant Time: Aug 15 11:12:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

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

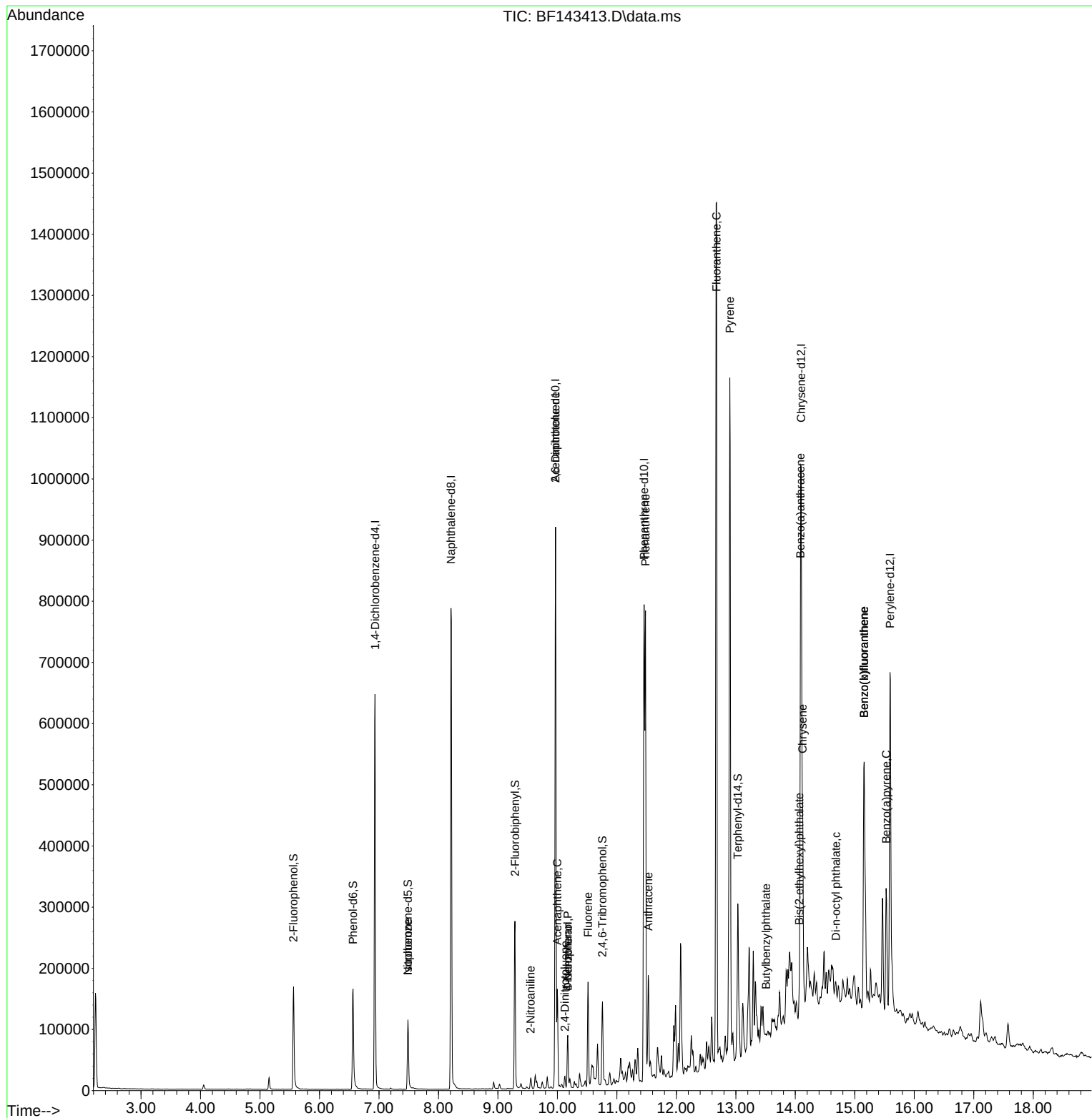
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	139602	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	526722	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	270909	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	386327	20.000	ng	0.00
76) Chrysene-d12	14.098	240	305576	20.000	ng	0.00
86) Perylene-d12	15.592	264	333688	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	70231	8.700	ng	0.00
7) Phenol-d6	6.563	99	93066	8.990	ng	0.00
23) Nitrobenzene-d5	7.487	82	57397	6.786	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	16969	8.571	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	128846	8.065	ng	0.00
79) Terphenyl-d14	13.033	244	111204	6.497	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.487	82	54117	3.134	ng	# 65
48) 2-Nitroaniline	9.551	65	189	2.807	ng	# 6
51) 2,6-Dinitrotoluene	9.969	165	35650	14.129	ng	# 21
52) Acenaphthene	9.998	154	47938	3.310	ng	99
55) Dibenzofuran	10.175	168	45933	2.204	ng	100
56) 4-Nitrophenol	10.175	139	17347	11.714	ng	# 7
57) 2,4-Dinitrotoluene	10.128	165	1087	3.270	ng	# 37
58) Fluorene	10.516	166	66488	4.176	ng	100
71) Phenanthrene	11.481	178	405109	19.220	ng	99
72) Anthracene	11.528	178	102724	4.806	ng	97
75) Fluoranthene	12.675	202	829051	44.903	ng	98
78) Pyrene	12.898	202	638045	24.890	ng	98
80) Butylbenzylphthalate	13.510	149	422	3.428	ng	# 64
81) Benzo(a)anthracene	14.086	228	246607	12.697	ng	98
83) Chrysene	14.122	228	187758	10.368	ng	98
84) Bis(2-ethylhexyl)phtha...	14.069	149	4687	4.566	ng	# 95
85) Di-n-octyl phthalate	14.686	149	3535	6.233	ng	# 70
88) Benzo(b)fluoranthene	15.157	252	350093	19.182	ng	99
89) Benzo(k)fluoranthene	15.157	252	350093	19.741	ng	99
90) Benzo(a)pyrene	15.527	252	128429	7.471	ng	99

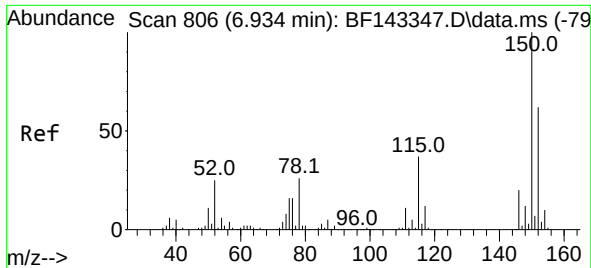
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 15 11:12:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

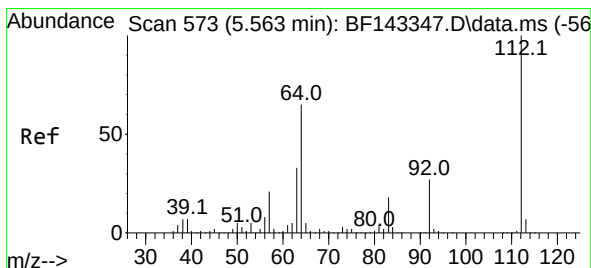
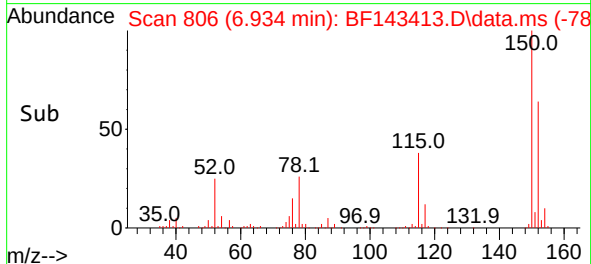
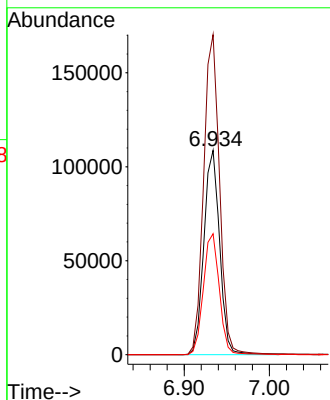
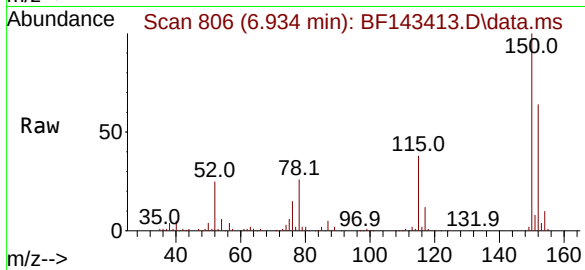




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

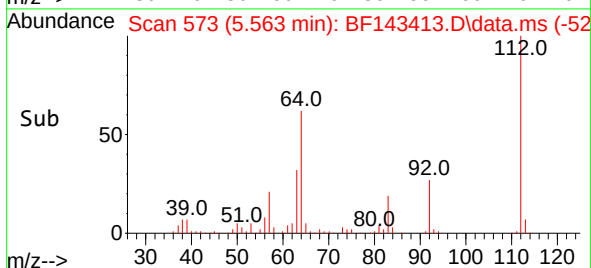
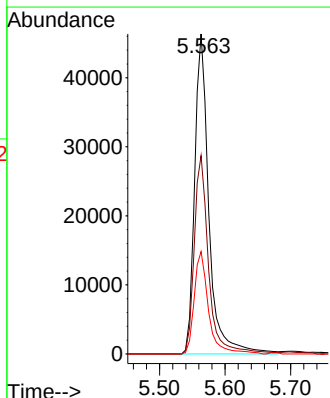
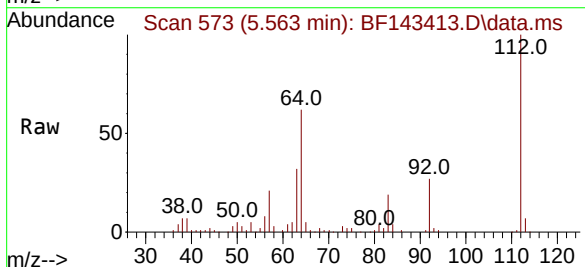
Instrument :
BNA_F
ClientSampleId :
VNJ 216DL

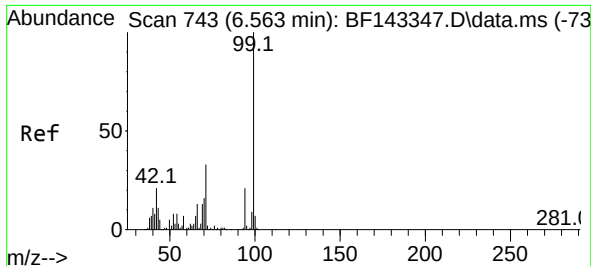
Tgt Ion:152 Resp: 139602
Ion Ratio Lower Upper
152 100
150 156.6 129.8 194.8
115 59.2 47.8 71.8



#5
2-Fluorophenol
Concen: 8.700 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

Tgt Ion:112 Resp: 70231
Ion Ratio Lower Upper
112 100
64 62.0 52.1 78.1
63 32.0 26.6 39.8

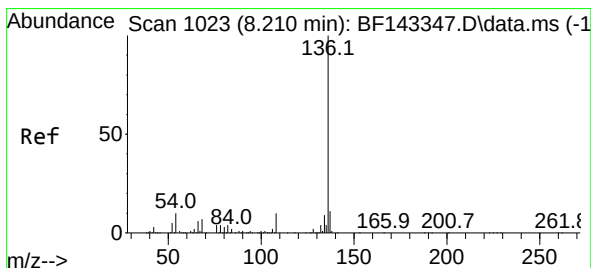
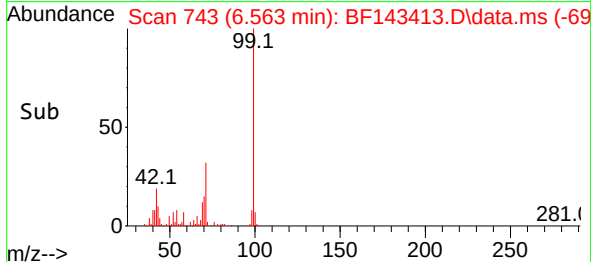
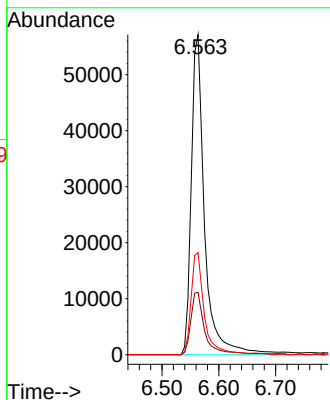
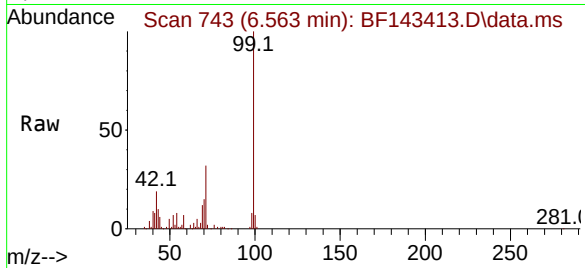




#7
Phenol-d6
Concen: 8.990 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

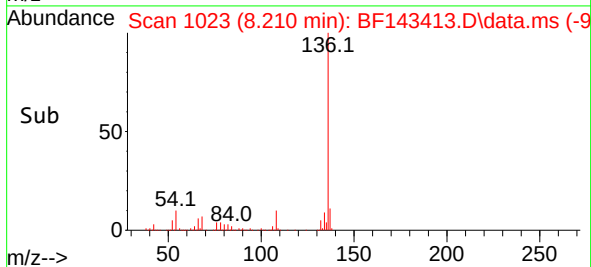
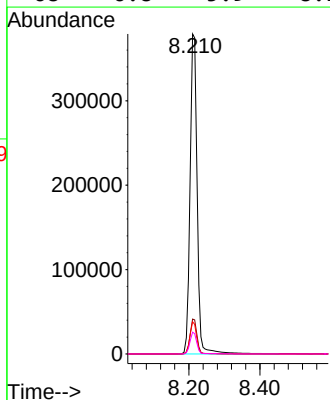
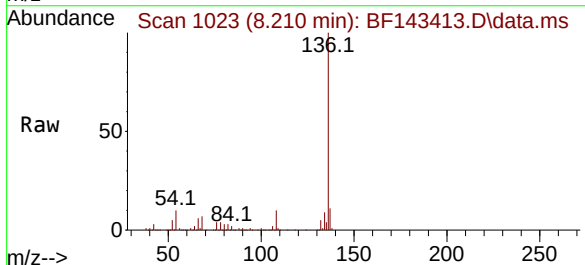
Instrument :
BNA_F
ClientSampleId :
VNJ 216DL

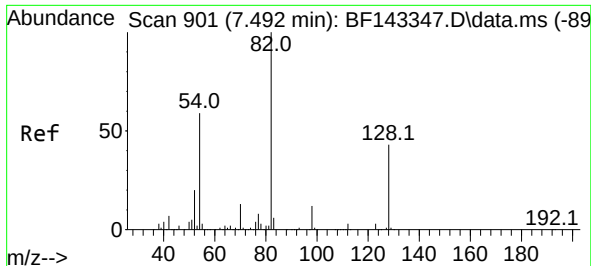
Tgt Ion: 99 Resp: 93066
Ion Ratio Lower Upper
99 100
42 19.5 16.6 25.0
71 31.9 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

Tgt Ion: 136 Resp: 526722
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.0 8.4 12.6
68 6.8 5.9 8.9





#23

Nitrobenzene-d5

Concen: 6.786 ng

RT: 7.487 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF143413.D

Acq: 15 Aug 2025 10:48

Instrument :

BNA_F

ClientSampleId :

VNJ 216DL

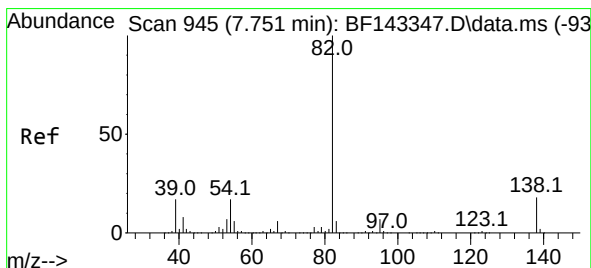
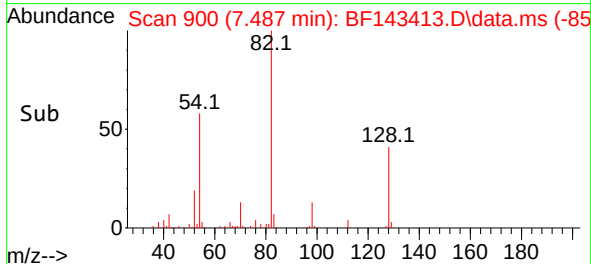
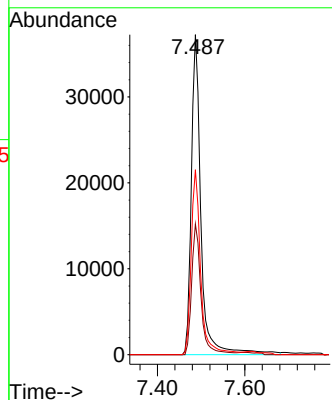
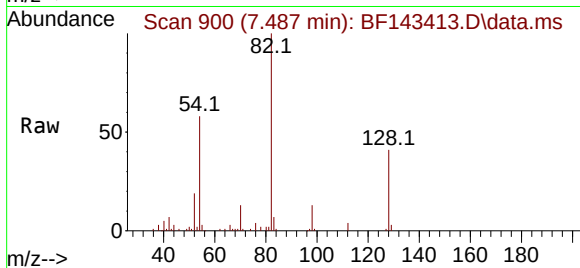
Tgt Ion: 82 Resp: 57397

Ion Ratio Lower Upper

82 100

128 40.9 33.5 50.3

54 57.8 46.7 70.1



#25

Isophorone

Concen: 3.134 ng

RT: 7.487 min Scan# 900

Delta R.T. -0.265 min

Lab File: BF143413.D

Acq: 15 Aug 2025 10:48

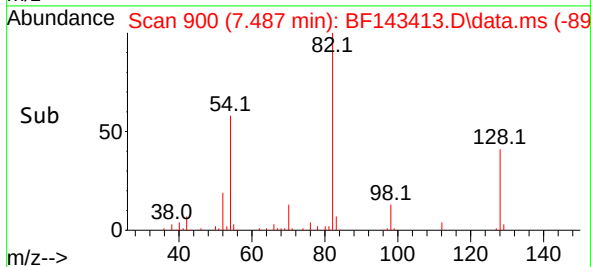
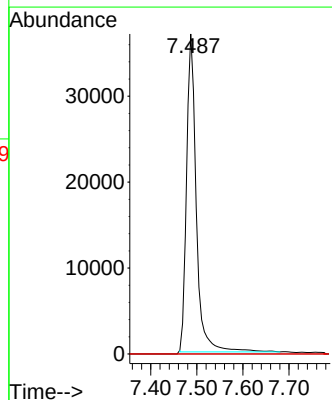
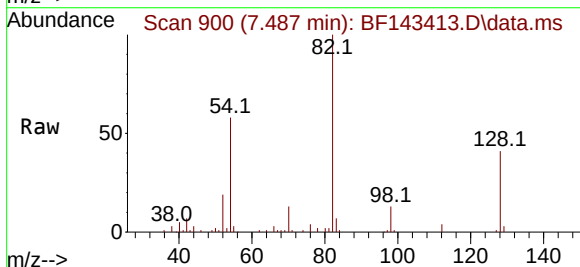
Tgt Ion: 82 Resp: 54117

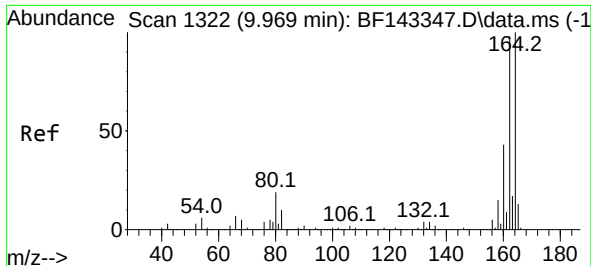
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 14.6 21.8#

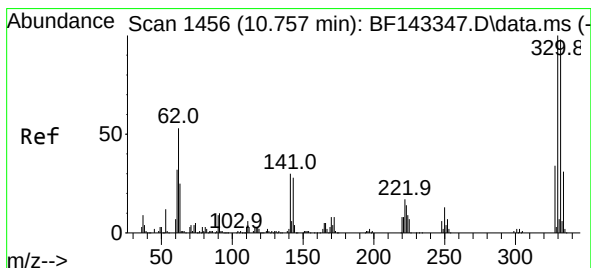
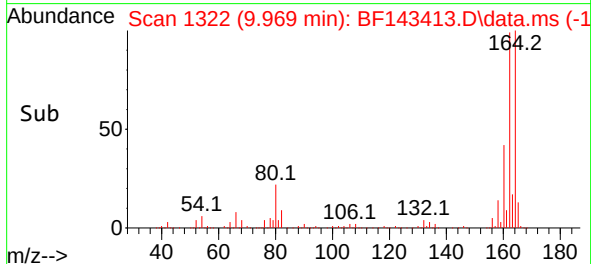
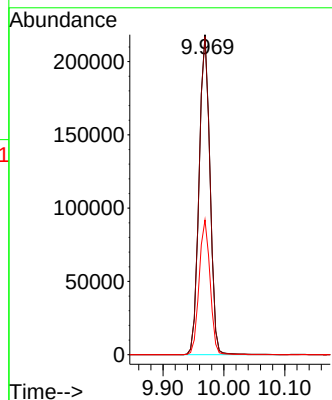
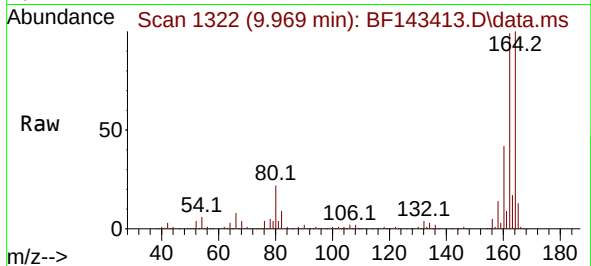




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

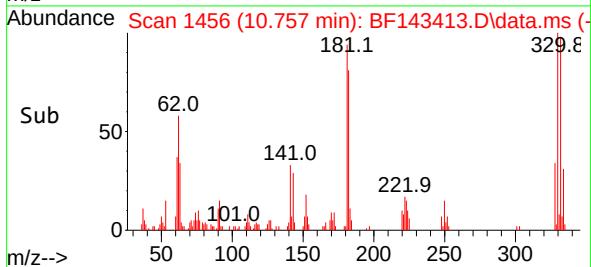
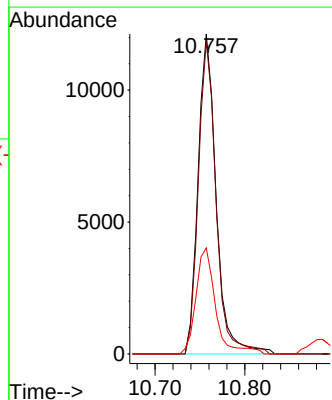
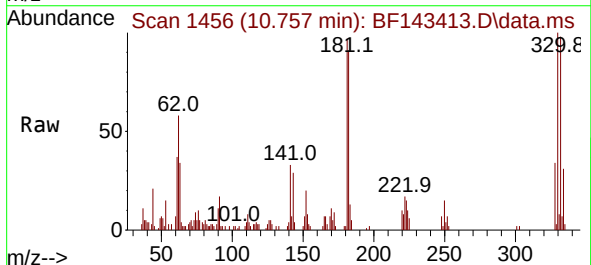
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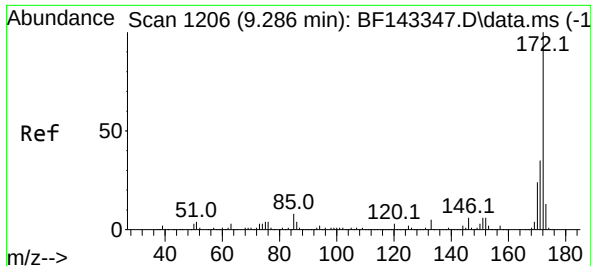
Tgt Ion:164 Resp: 270909
Ion Ratio Lower Upper
164 100
162 99.5 78.6 118.0
160 42.1 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 8.571 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

Tgt Ion:330 Resp: 16969
Ion Ratio Lower Upper
330 100
332 95.7 78.1 117.1
141 35.8 25.4 38.0

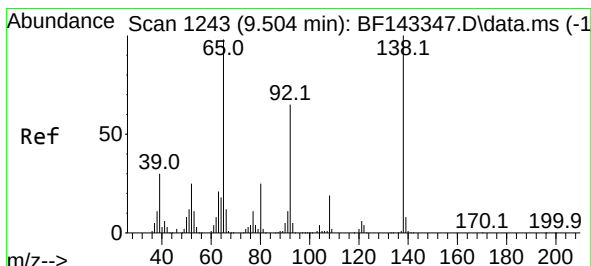
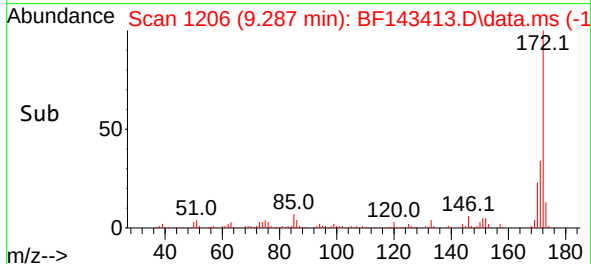
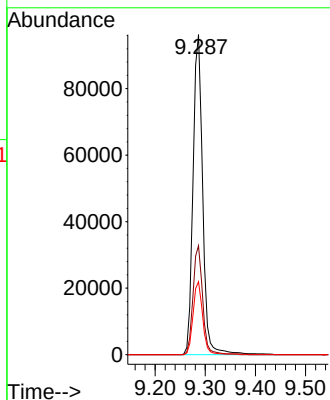
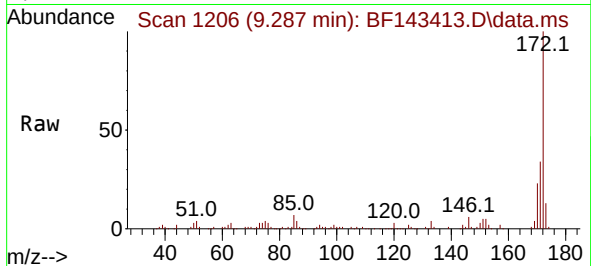




#45
2-Fluorobiphenyl
Concen: 8.065 ng
RT: 9.287 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

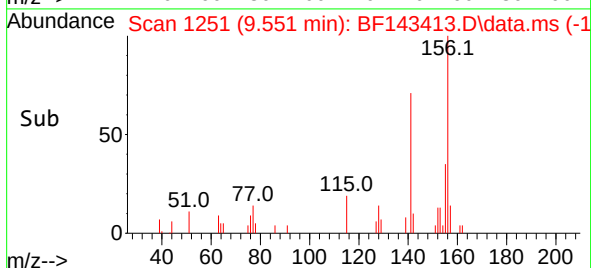
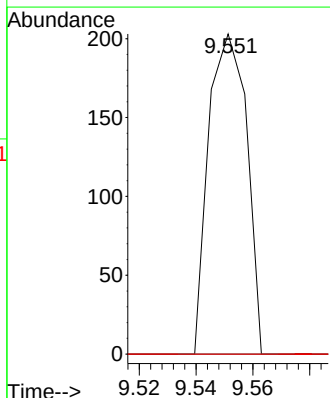
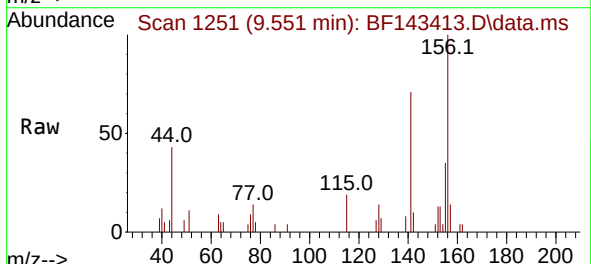
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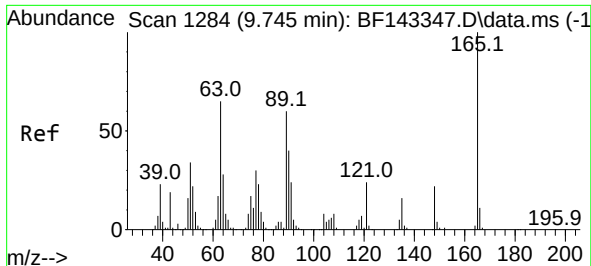
Tgt Ion:172 Resp: 128846
Ion Ratio Lower Upper
172 100
171 34.0 28.4 42.6
170 22.8 19.1 28.7



#48
2-Nitroaniline
Concen: 2.807 ng
RT: 9.551 min Scan# 1251
Delta R.T. 0.047 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

Tgt Ion: 65 Resp: 189
Ion Ratio Lower Upper
65 100
92 0.0 53.1 79.7#
138 0.0 81.4 122.0#

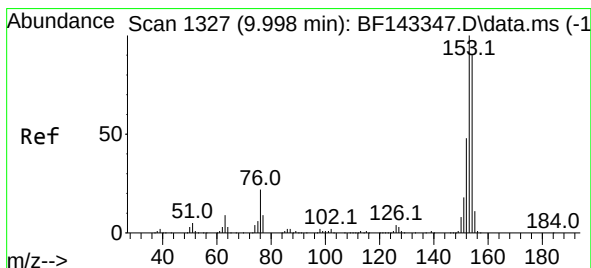
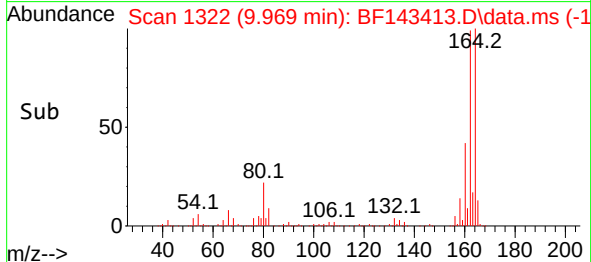
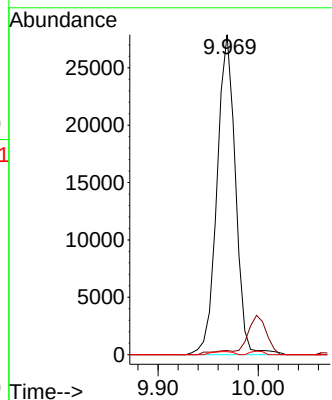
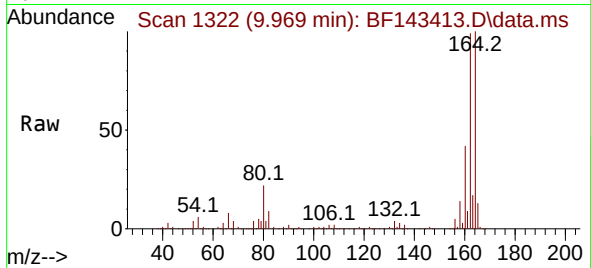




#51
2,6-Dinitrotoluene
Concen: 14.129 ng
RT: 9.969 min Scan# 11
Delta R.T. 0.224 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

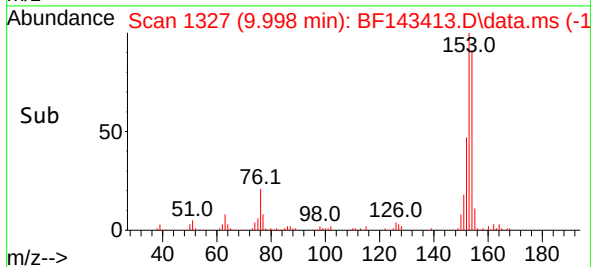
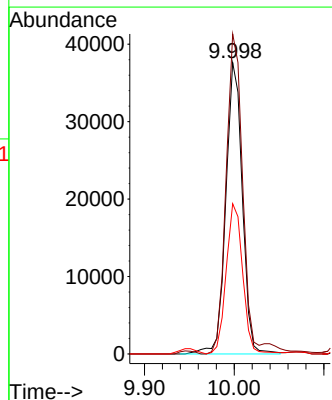
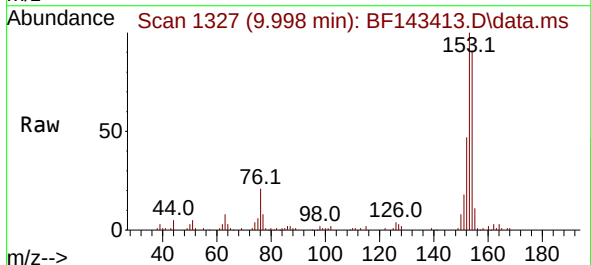
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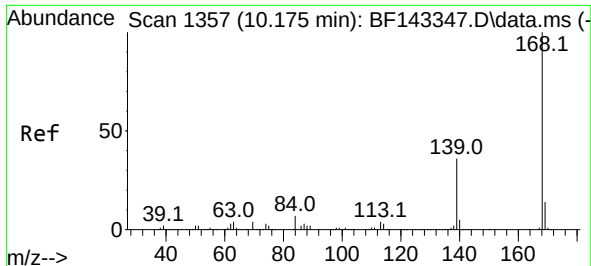
Tgt Ion:165 Resp: 35650
Ion Ratio Lower Upper
165 100
63 1.3 51.6 77.4#
89 1.0 47.7 71.5#



#52
Acenaphthene
Concen: 3.310 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

Tgt Ion:154 Resp: 47938
Ion Ratio Lower Upper
154 100
153 109.8 88.5 132.7
152 51.6 42.4 63.6

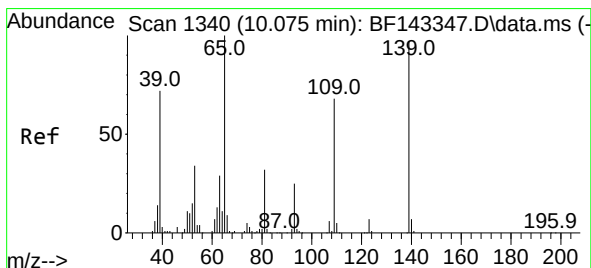
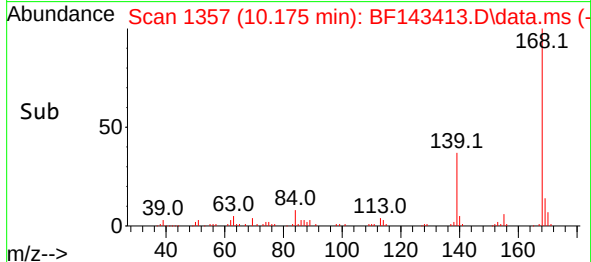
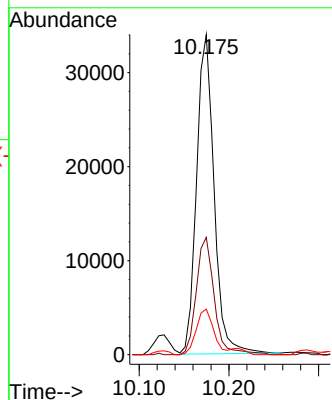
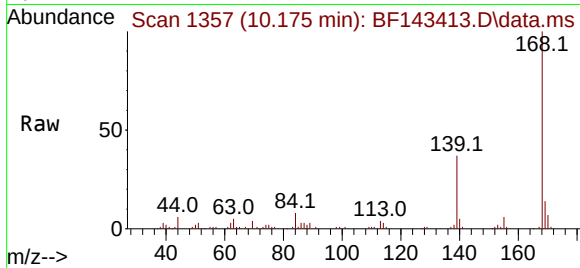




#55
Dibenzofuran
Concen: 2.204 ng
RT: 10.175 min Scan# 1357
Delta R.T. 0.000 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

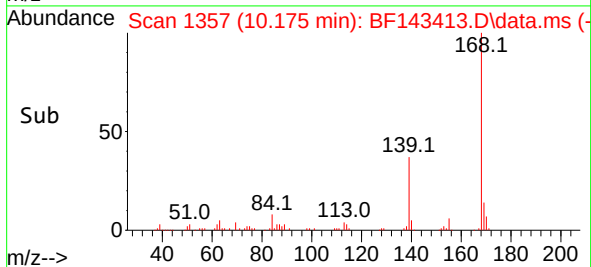
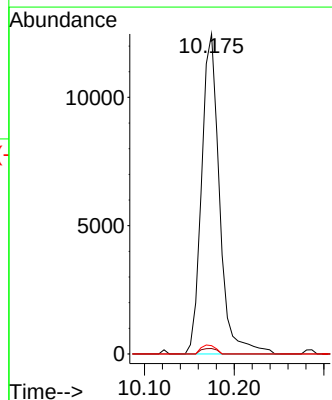
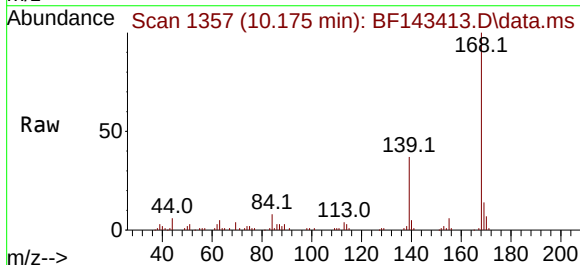
Instrument :
BNA_F
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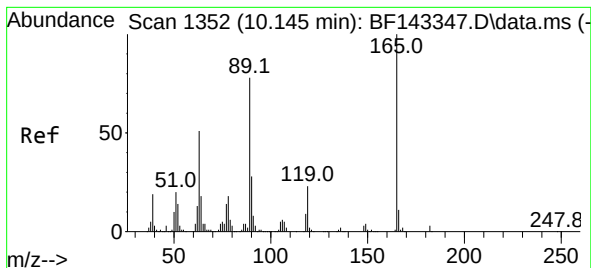
Tgt Ion:168 Resp: 45933
Ion Ratio Lower Upper
168 100
139 36.6 29.4 44.0
169 14.3 11.0 16.6



#56
4-Nitrophenol
Concen: 11.714 ng
RT: 10.175 min Scan# 1357
Delta R.T. 0.100 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

Tgt Ion:139 Resp: 17347
Ion Ratio Lower Upper
139 100
109 1.7 49.4 89.4#
65 2.6 83.7 123.7#

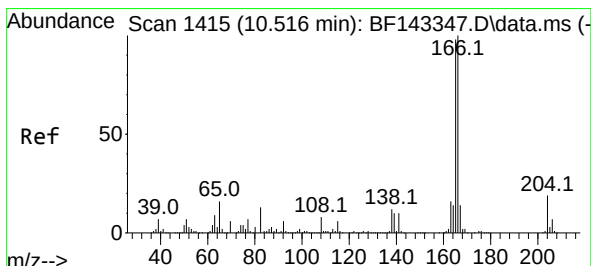
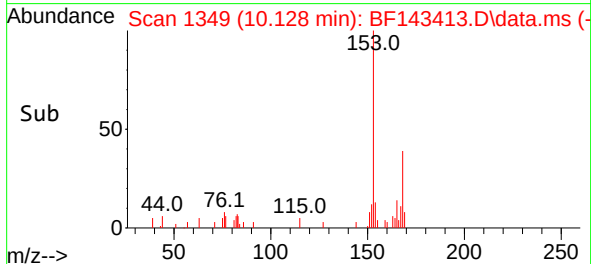
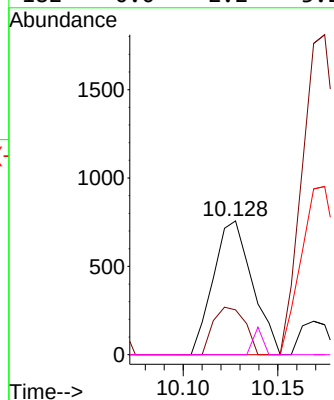
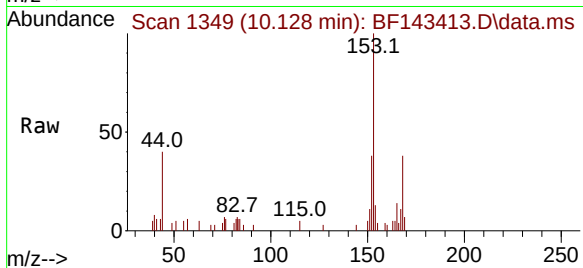




#57
2,4-Dinitrotoluene
Concen: 3.270 ng
RT: 10.128 min Scan# 1349
Delta R.T. -0.017 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

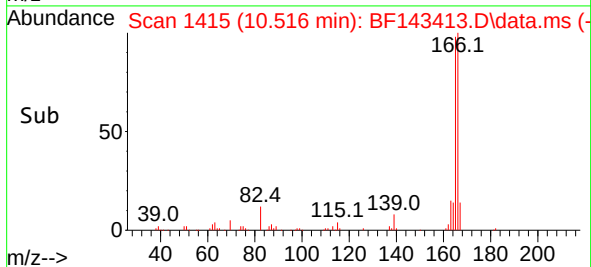
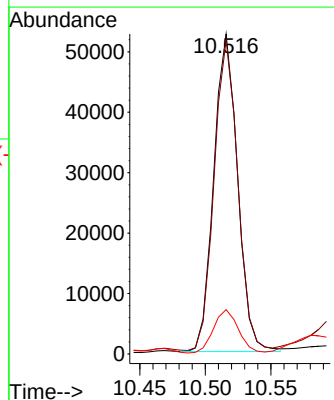
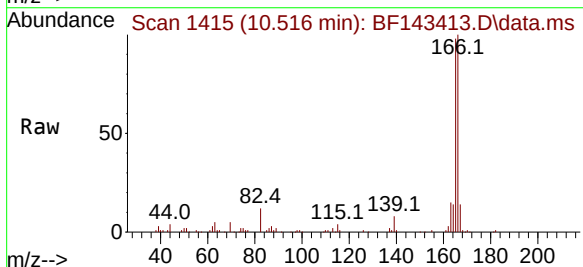
Instrument :
BNA_F
ClientSampleId :
VNJ 216DL

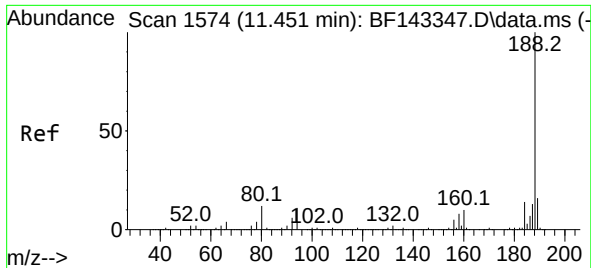
Tgt Ion:165 Resp: 1087
Ion Ratio Lower Upper
165 100
63 33.6 41.8 62.8#
89 0.0 62.4 93.6#
182 0.0 2.2 3.2#



#58
Fluorene
Concen: 4.176 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

Tgt Ion:166 Resp: 66488
Ion Ratio Lower Upper
166 100
165 98.0 78.2 117.4
167 13.9 10.9 16.3

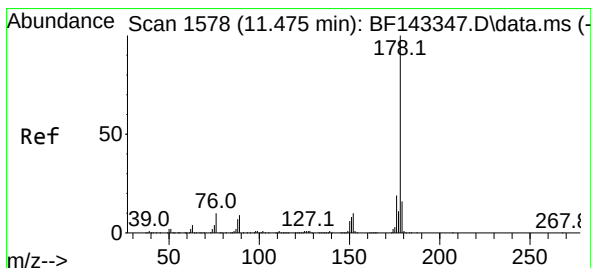
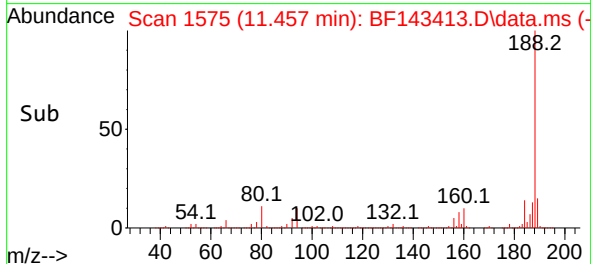
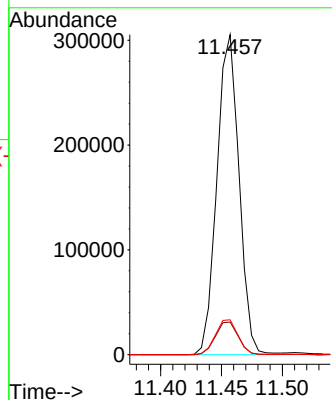
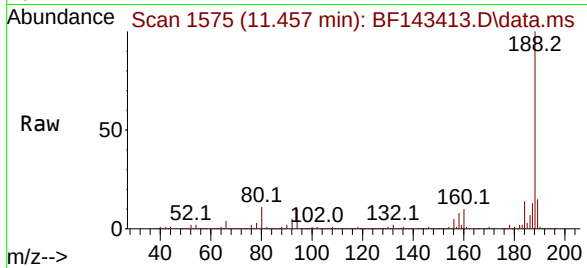




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1574
Delta R.T. 0.006 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

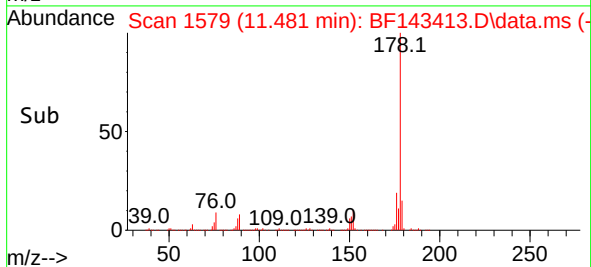
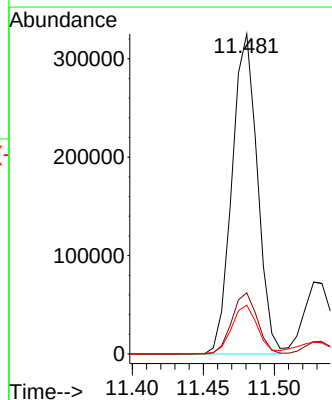
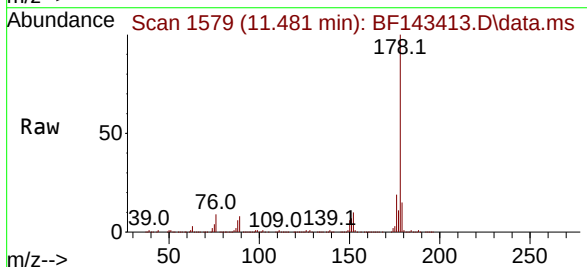
Instrument :
BNA_F
ClientSampleId :
VNJ 216DL

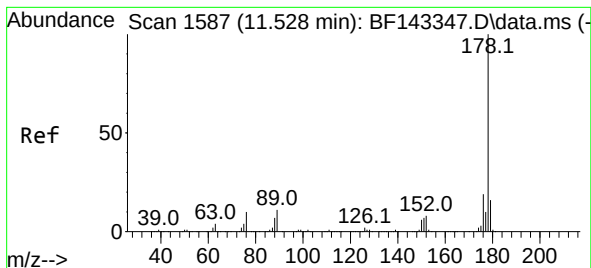
Tgt Ion:188 Resp: 386327
Ion Ratio Lower Upper
188 100
94 10.2 8.8 13.2
80 10.9 9.7 14.5



#71
Phenanthrene
Concen: 19.220 ng
RT: 11.481 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

Tgt Ion:178 Resp: 405109
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.3 12.5 18.7





#72

Anthracene

Concen: 4.806 ng

RT: 11.528 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143413.D

Acq: 15 Aug 2025 10:48

Instrument :

BNA_F

ClientSampleId :

VNJ 216DL

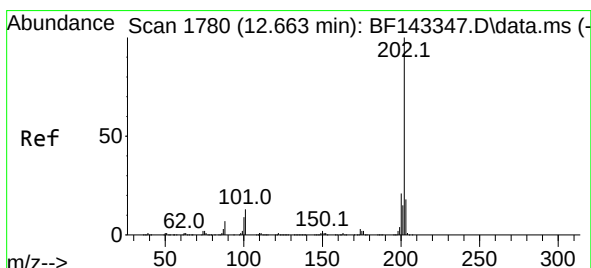
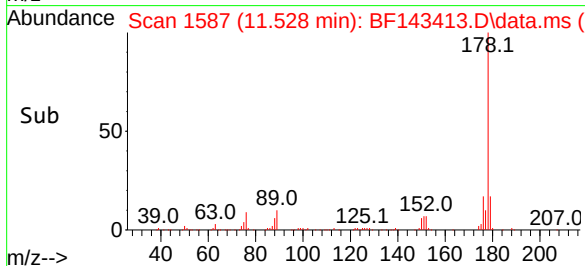
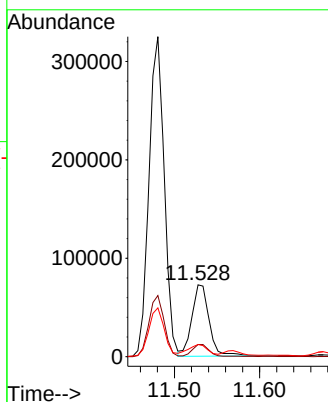
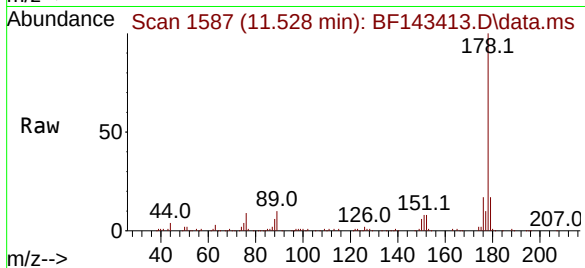
Tgt Ion:178 Resp: 102724

Ion Ratio Lower Upper

178 100

176 17.0 15.1 22.7

179 17.0 12.7 19.1



#75

Fluoranthene

Concen: 44.903 ng

RT: 12.675 min Scan# 1782

Delta R.T. 0.012 min

Lab File: BF143413.D

Acq: 15 Aug 2025 10:48

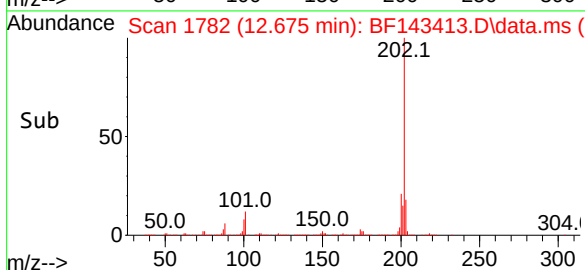
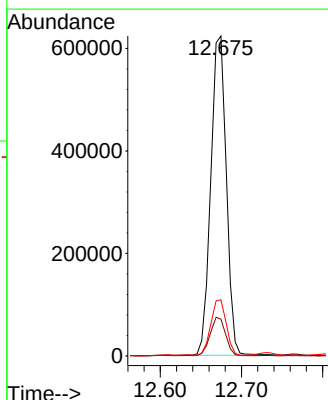
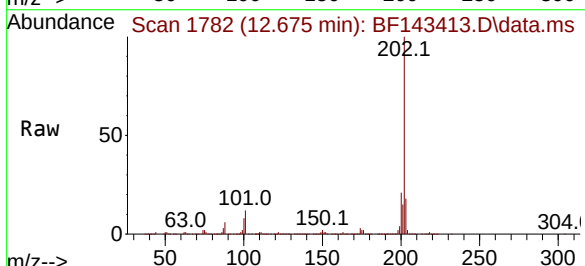
Tgt Ion:202 Resp: 829051

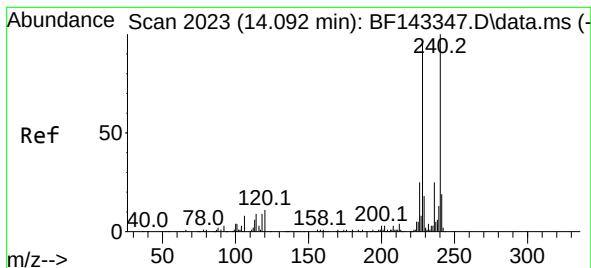
Ion Ratio Lower Upper

202 100

101 11.5 0.0 33.2

203 17.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.098 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143413.D

Acq: 15 Aug 2025 10:48

Instrument :

BNA_F

ClientSampleId :

VNJ 216DL

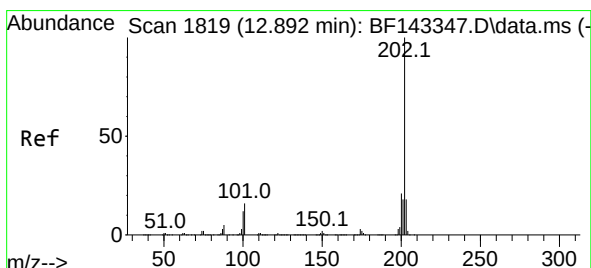
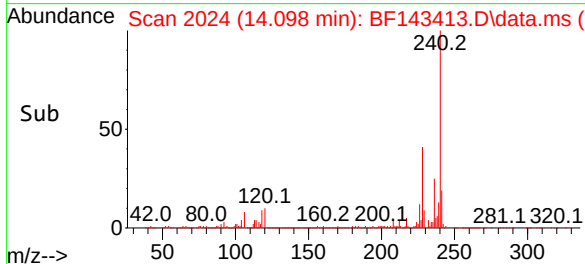
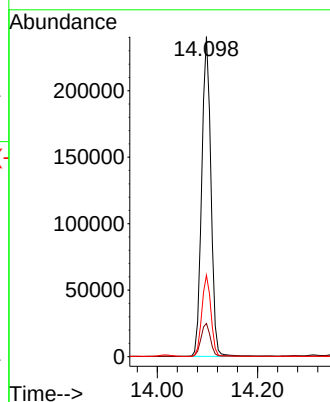
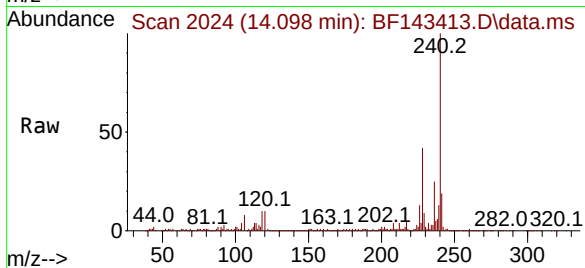
Tgt Ion:240 Resp: 305576

Ion Ratio Lower Upper

240 100

120 10.4 9.0 13.6

236 25.4 19.9 29.9



#78

Pyrene

Concen: 24.890 ng

RT: 12.898 min Scan# 1820

Delta R.T. 0.006 min

Lab File: BF143413.D

Acq: 15 Aug 2025 10:48

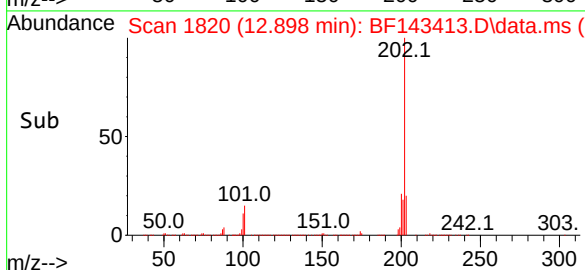
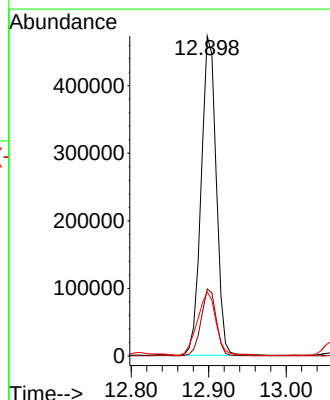
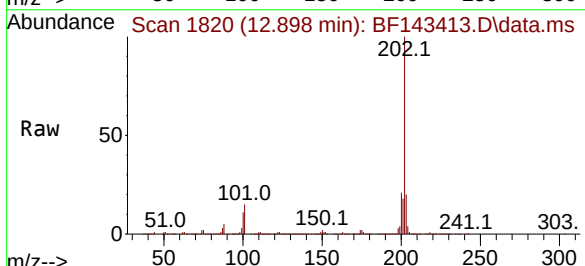
Tgt Ion:202 Resp: 638045

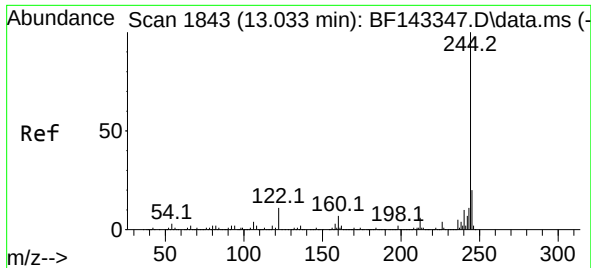
Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

203 20.0 14.2 21.4

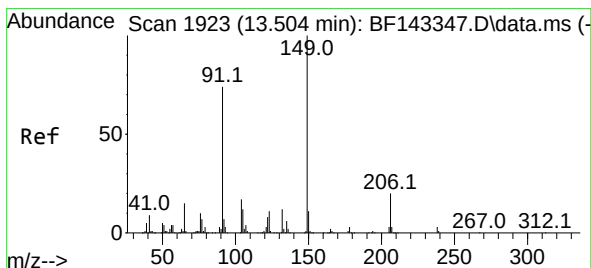
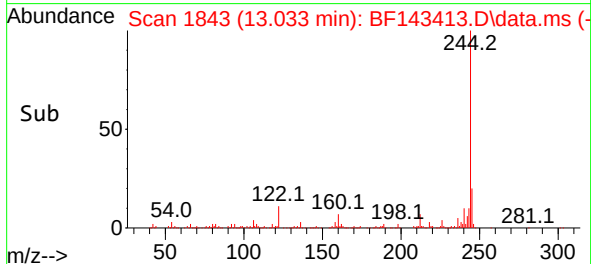
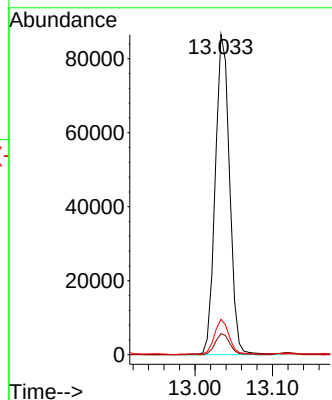
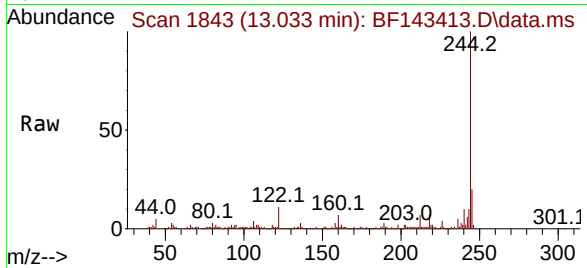




#79
 Terphenyl-d14
 Concen: 6.497 ng
 RT: 13.033 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF143413.D
 Acq: 15 Aug 2025 10:48

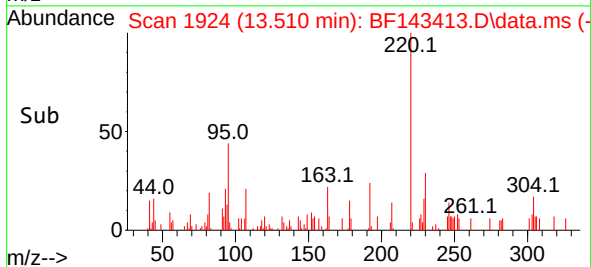
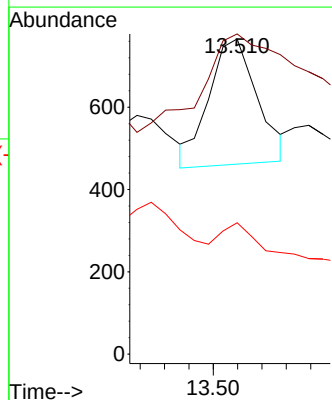
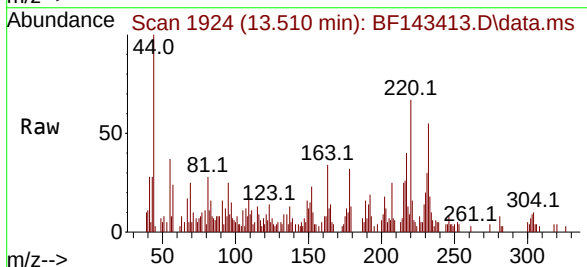
Instrument :
 BNA_F
 ClientSampleId :
 VNJ 216DL

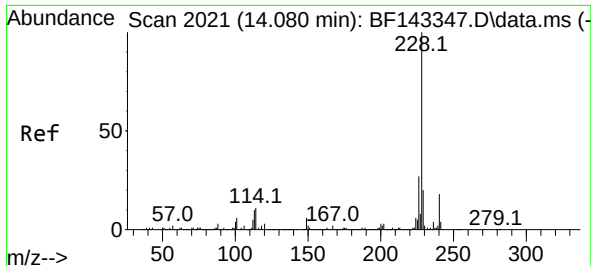
Tgt Ion:244 Resp: 111204
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 11.0 8.9 13.3



#80
 Butylbenzylphthalate
 Concen: 3.428 ng
 RT: 13.510 min Scan# 1924
 Delta R.T. 0.006 min
 Lab File: BF143413.D
 Acq: 15 Aug 2025 10:48

Tgt Ion:149 Resp: 422
 Ion Ratio Lower Upper
 149 100
 91 101.6 58.8 88.2#
 206 41.6 16.4 24.6#

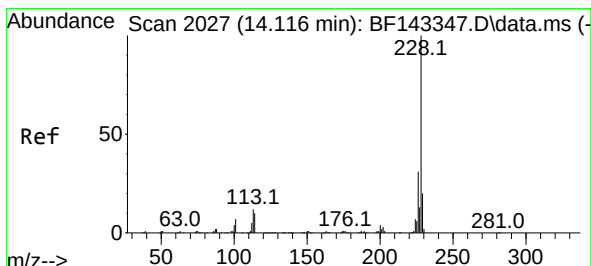
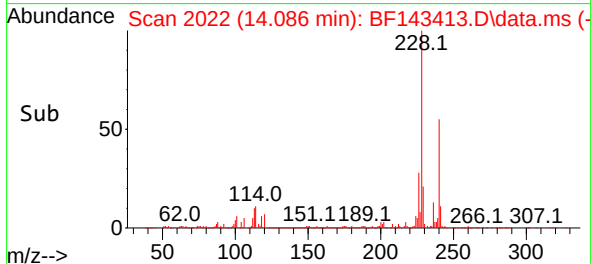
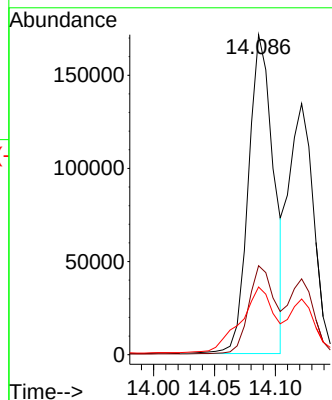
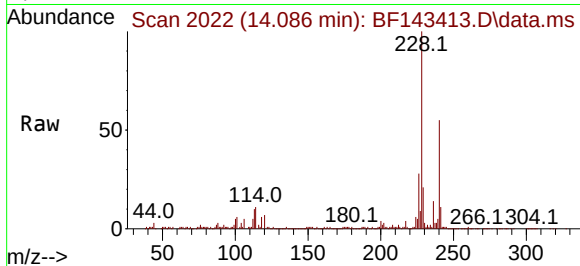




#81
Benzo(a)anthracene
Concen: 12.697 ng
RT: 14.086 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

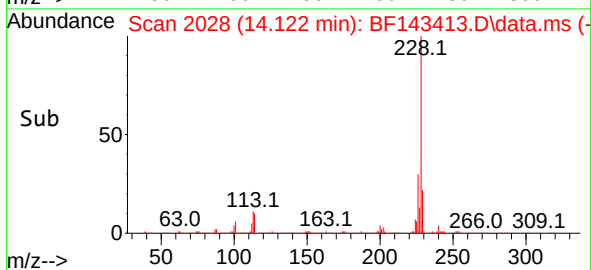
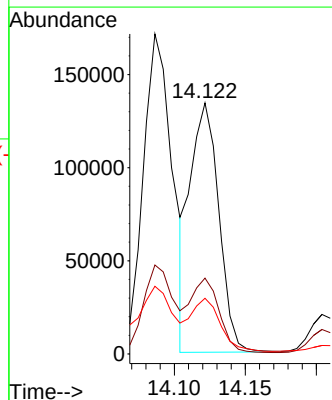
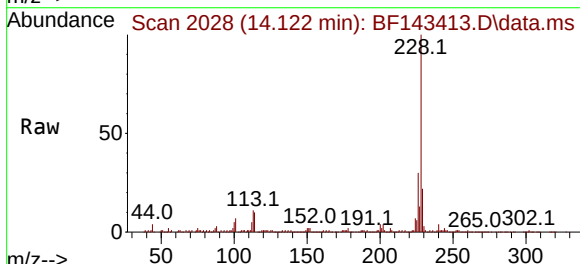
Instrument :
BNA_F
ClientSampleId :
VNJ 216DL

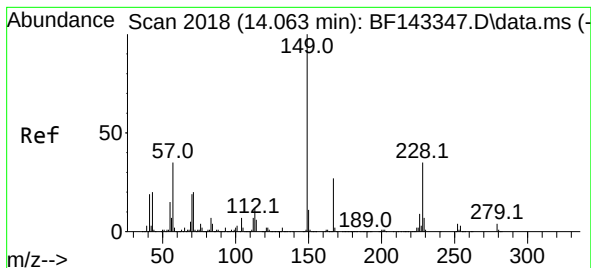
Tgt Ion:228 Resp: 246607
Ion Ratio Lower Upper
228 100
226 27.8 22.0 33.0
229 21.2 15.8 23.8



#83
Chrysene
Concen: 10.368 ng
RT: 14.122 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

Tgt Ion:228 Resp: 187758
Ion Ratio Lower Upper
228 100
226 30.2 24.2 36.2
229 22.2 15.8 23.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.566 ng

RT: 14.069 min Scan# 2018

Delta R.T. 0.006 min

Lab File: BF143413.D

Acq: 15 Aug 2025 10:48

Instrument :

BNA_F

ClientSampleId :

VNJ 216DL

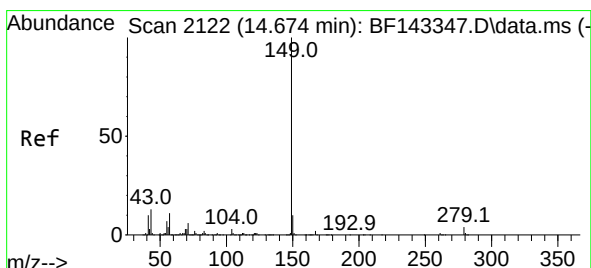
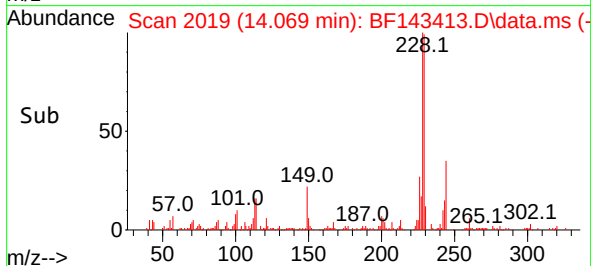
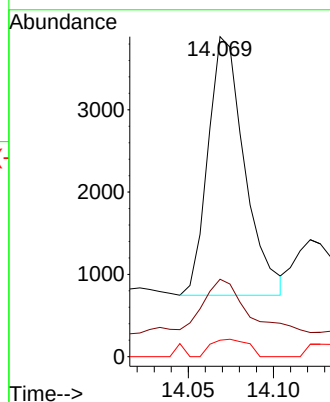
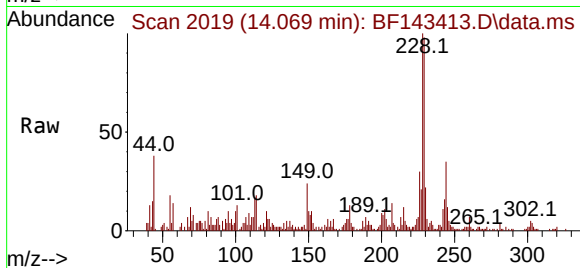
Tgt Ion:149 Resp: 4687

Ion Ratio Lower Upper

149 100

167 24.2 21.4 32.0

279 5.2 3.2 4.8#



#85

Di-n-octyl phthalate

Concen: 6.233 ng

RT: 14.686 min Scan# 2124

Delta R.T. 0.012 min

Lab File: BF143413.D

Acq: 15 Aug 2025 10:48

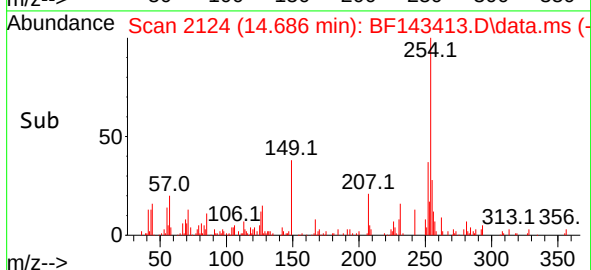
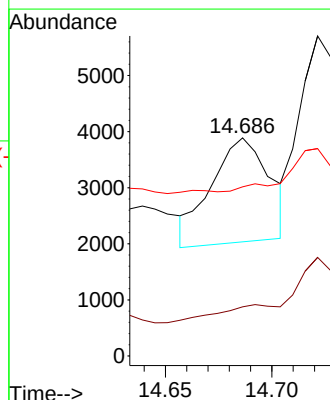
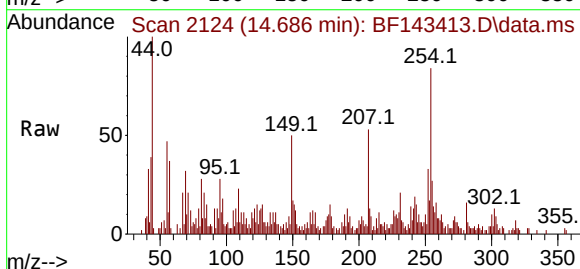
Tgt Ion:149 Resp: 3535

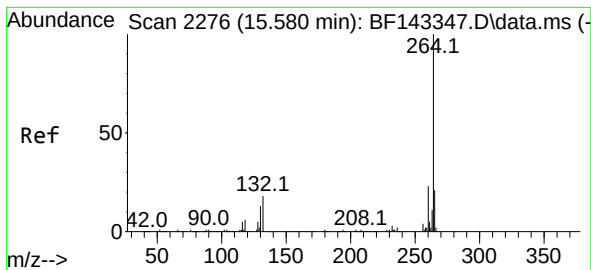
Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 0.0 10.8 16.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143413.D

Acq: 15 Aug 2025 10:48

Instrument :

BNA_F

ClientSampleId :

VNJ 216DL

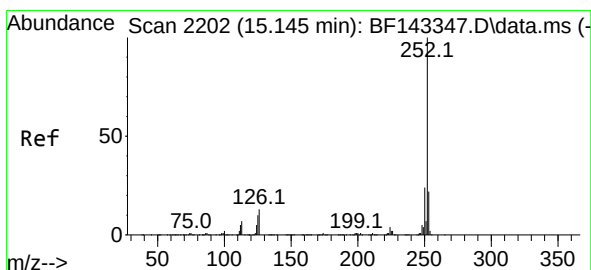
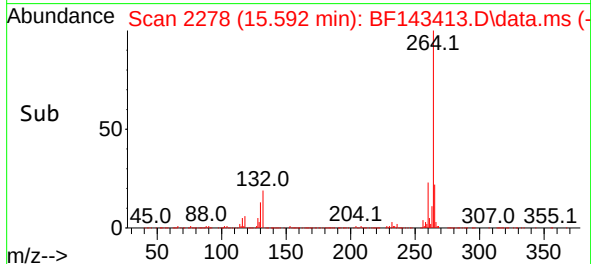
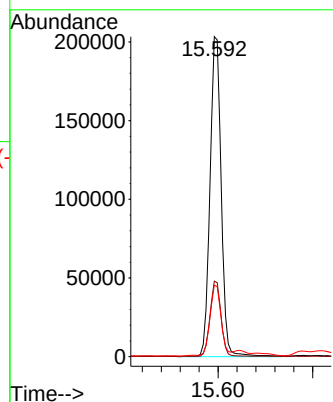
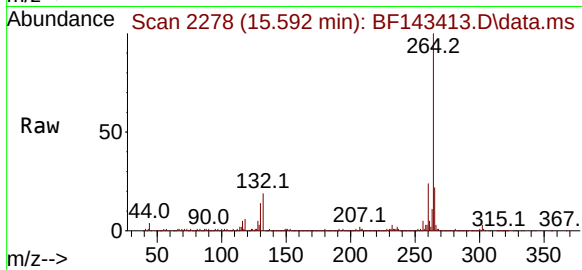
Tgt Ion:264 Resp: 333688

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 22.4 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 19.182 ng

RT: 15.157 min Scan# 2204

Delta R.T. 0.012 min

Lab File: BF143413.D

Acq: 15 Aug 2025 10:48

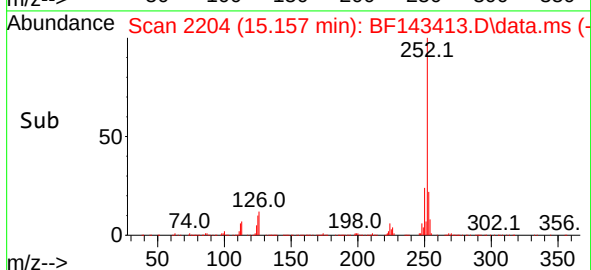
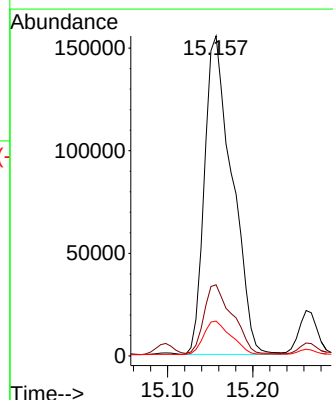
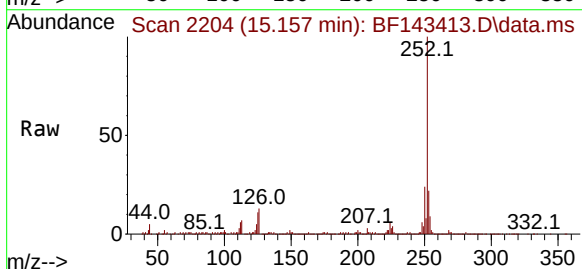
Tgt Ion:252 Resp: 350093

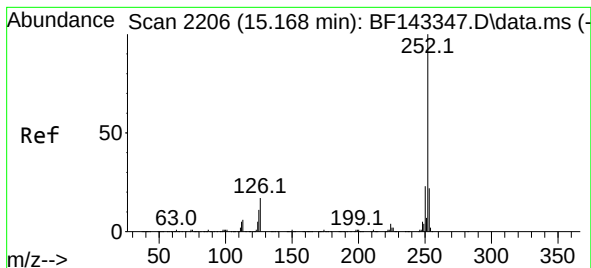
Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

125 10.9 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 19.741 ng

RT: 15.157 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143413.D

Acq: 15 Aug 2025 10:48

Instrument :

BNA_F

ClientSampleId :

VNJ 216DL

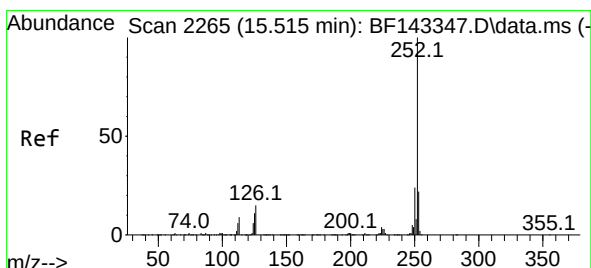
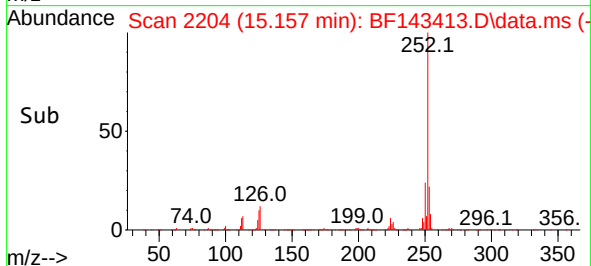
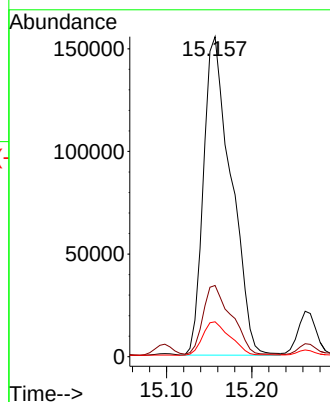
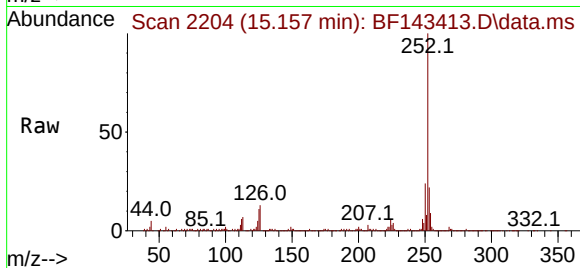
Tgt Ion:252 Resp: 350093

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 10.9 8.4 12.6



#90

Benzo(a)pyrene

Concen: 7.471 ng

RT: 15.527 min Scan# 2267

Delta R.T. 0.012 min

Lab File: BF143413.D

Acq: 15 Aug 2025 10:48

Tgt Ion:252 Resp: 128429

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

125 11.3 9.1 13.7

