

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143356.D
 Acq On : 12 Aug 2025 16:32
 Operator : RC/JU
 Sample : Q2807-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-6

Quant Time: Aug 12 16:59:27 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)

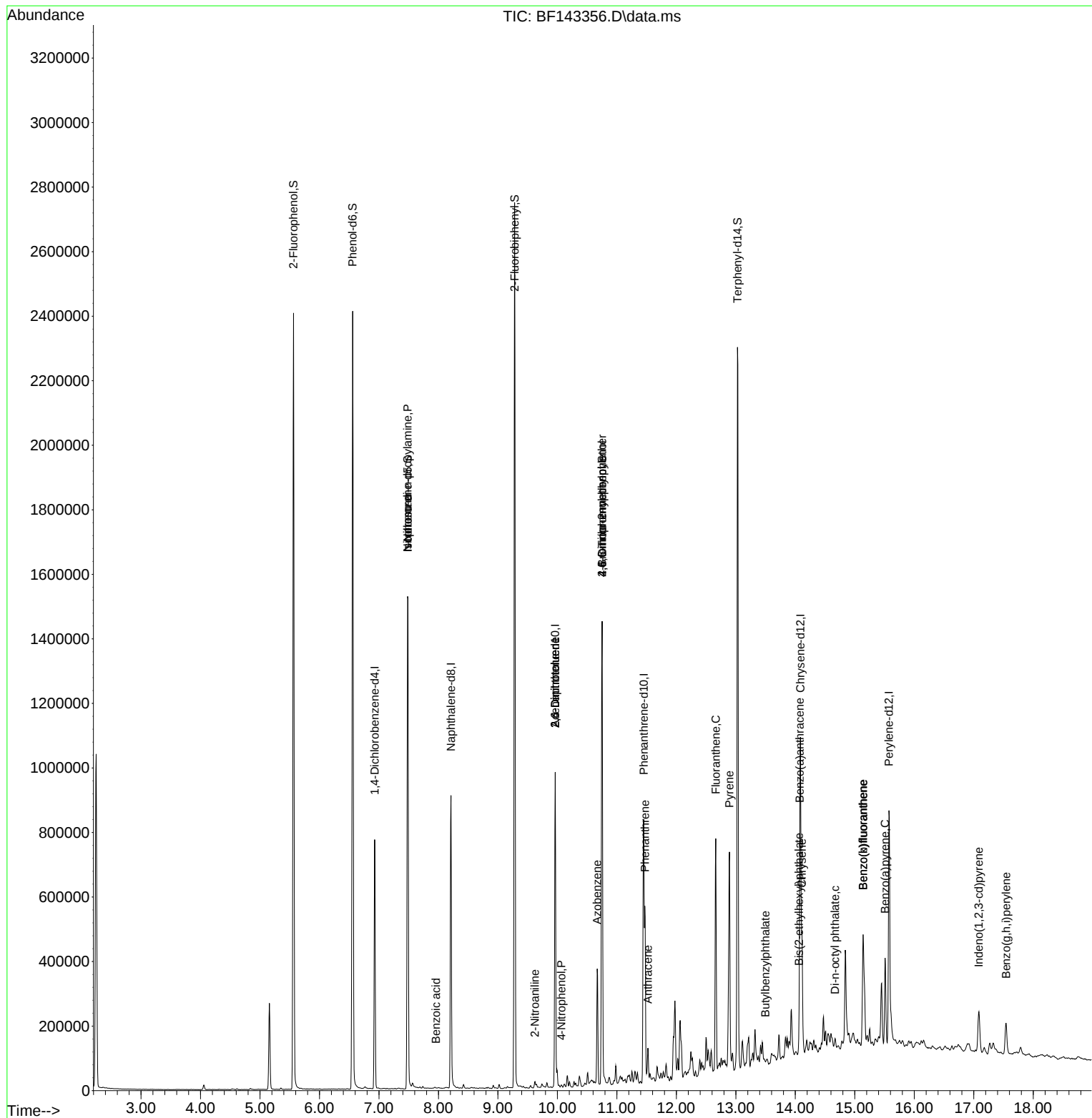
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	152247	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	565615	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	280798	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	410381	20.000	ng	0.00
76) Chrysene-d12	14.086	240	352203	20.000	ng	0.00
86) Perylene-d12	15.574	264	431956	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	859484	97.622	ng	0.00
7) Phenol-d6	6.557	99	1100835	97.503	ng	0.00
23) Nitrobenzene-d5	7.481	82	676175	74.446	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	234342	114.194	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1181184	71.332	ng	0.00
79) Terphenyl-d14	13.027	244	1100402	55.780	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	91175	13.069	ng	# 82
25) Isophorone	7.481	82	654981	35.324	ng	# 65
32) Benzoic acid	7.957	122	451	3.622	ng	# 81
48) 2-Nitroaniline	9.622	65	391	2.847	ng	# 6
51) 2,6-Dinitrotoluene	9.963	165	36469	13.984	ng	# 21
56) 4-Nitrophenol	10.069	139	184	5.540	ng	# 5
57) 2,4-Dinitrotoluene	9.963	165	36470	11.310	ng	# 20
63) Azobenzene	10.669	77	86227	5.137	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.751	198	596	7.566	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	15313	3.263	ng	# 1
71) Phenanthrene	11.474	178	277235	12.382	ng	99
72) Anthracene	11.522	178	59754	2.632	ng	97
75) Fluoranthene	12.663	202	388951	19.831	ng	99
78) Pyrene	12.892	202	384159	13.002	ng	99
80) Butylbenzylphthalate	13.498	149	710	3.464	ng	# 62
81) Benzo(a)anthracene	14.074	228	211166	9.433	ng	97
83) Chrysene	14.110	228	191104	9.155	ng	97
84) Bis(2-ethylhexyl)phtha...	14.063	149	8350	4.881	ng	# 93
85) Di-n-octyl phthalate	14.668	149	1089	6.080	ng	# 65
87) Indeno(1,2,3-cd)pyrene	17.086	276	92969	3.004	ng	95
88) Benzo(b)fluoranthene	15.139	252	299591	12.681	ng	99
89) Benzo(k)fluoranthene	15.139	252	299591	13.050	ng	99
90) Benzo(a)pyrene	15.510	252	168720	7.582	ng	98
92) Benzo(g,h,i)perylene	17.545	276	85957	3.451	ng	99

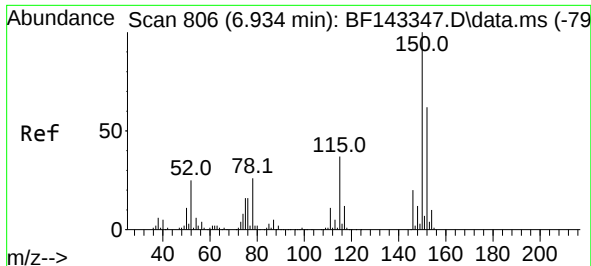
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
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ALS Vial : 15 Sample Multiplier: 1

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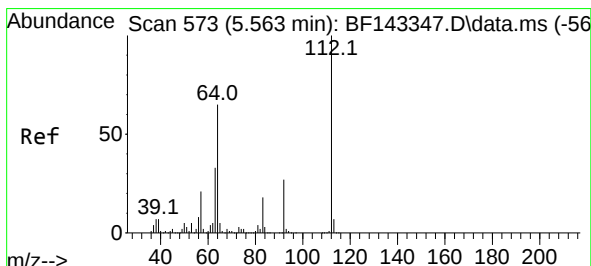
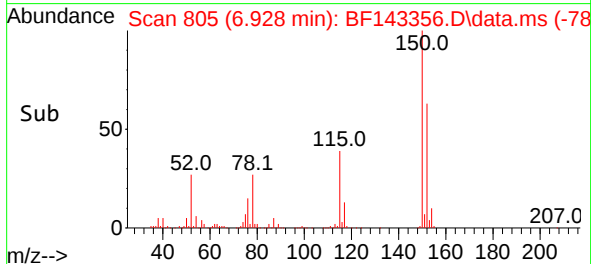
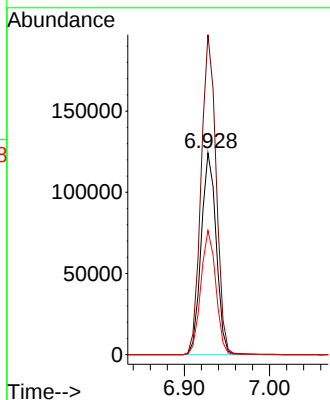
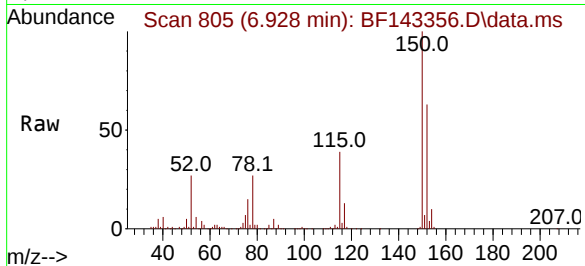




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

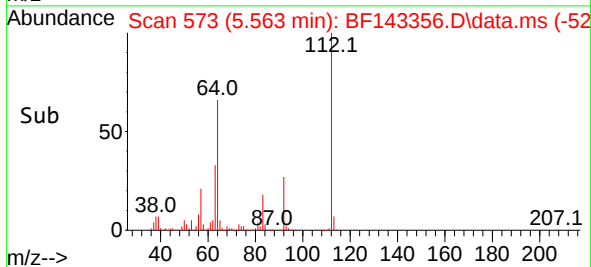
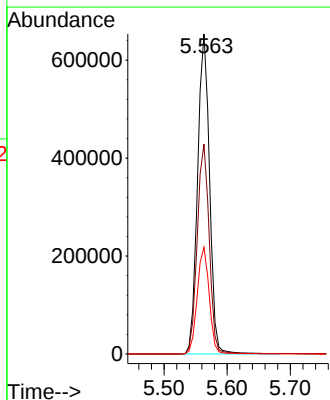
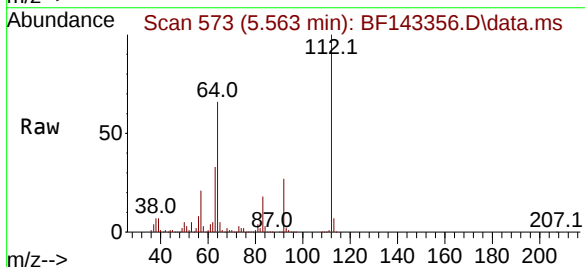
Instrument :
BNA_F
ClientSampleId :
COMP-6

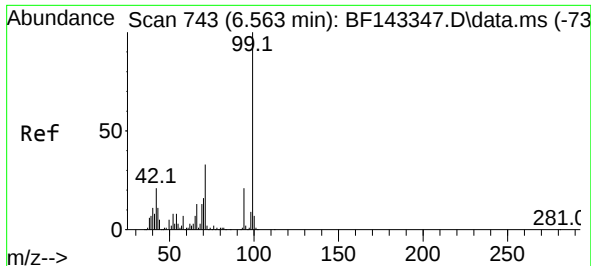
Tgt Ion:152 Resp: 152247
Ion Ratio Lower Upper
152 100
150 158.6 129.8 194.8
115 61.5 47.8 71.8



#5
2-Fluorophenol
Concen: 97.622 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:112 Resp: 859484
Ion Ratio Lower Upper
112 100
64 65.6 52.1 78.1
63 33.3 26.6 39.8

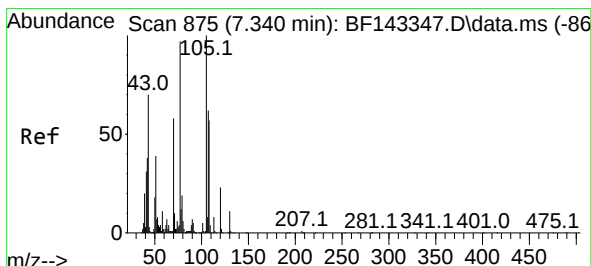
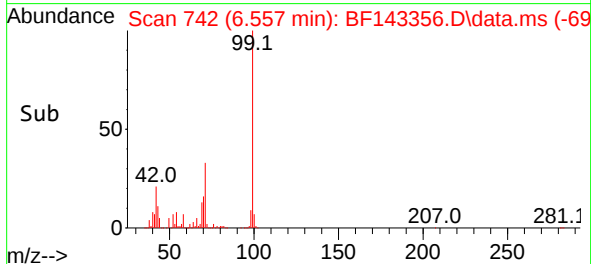
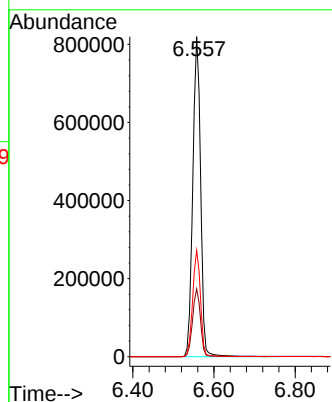
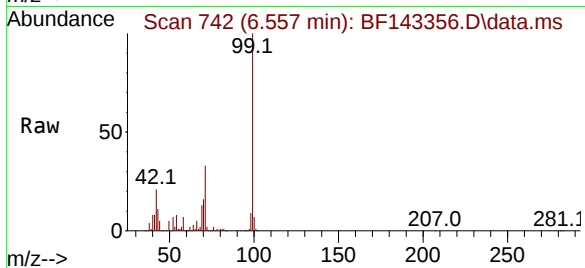




#7
Phenol-d6
Concen: 97.503 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

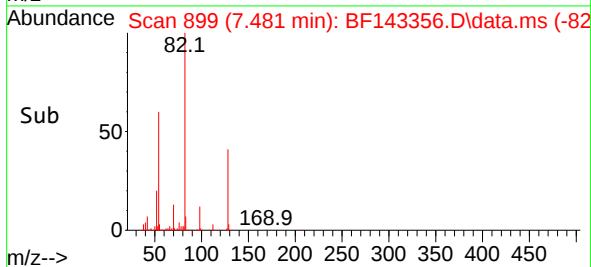
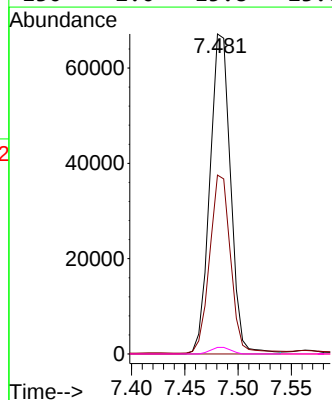
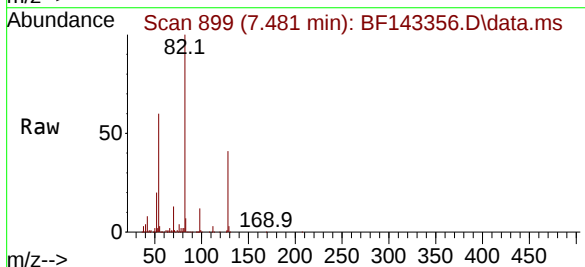
Instrument :
BNA_F
ClientSampleId :
COMP-6

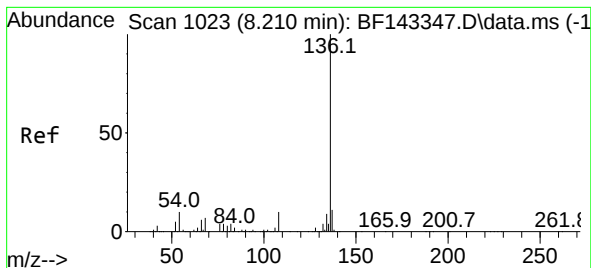
Tgt Ion: 99 Resp: 1100835
Ion Ratio Lower Upper
99 100
42 21.2 16.6 25.0
71 33.2 26.2 39.2



#19
n-Nitroso-di-n-propylamine
Concen: 13.069 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.141 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion: 70 Resp: 91175
Ion Ratio Lower Upper
70 100
42 55.9 51.6 77.4
101 0.0 7.5 11.3#
130 2.0 15.8 23.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143356.D

Acq: 12 Aug 2025 16:32

Instrument :

BNA_F

ClientSampleId :

COMP-6

Tgt Ion:136 Resp: 565615

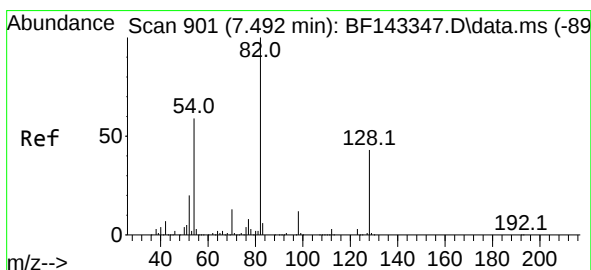
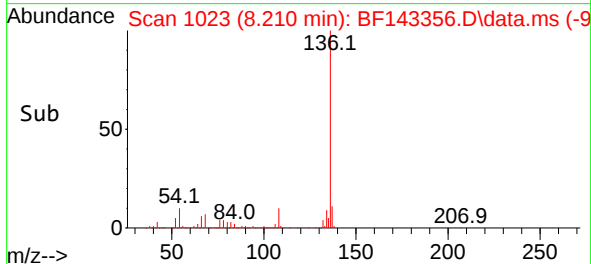
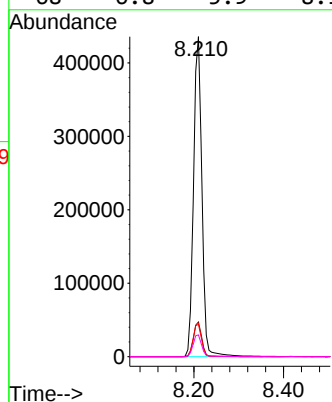
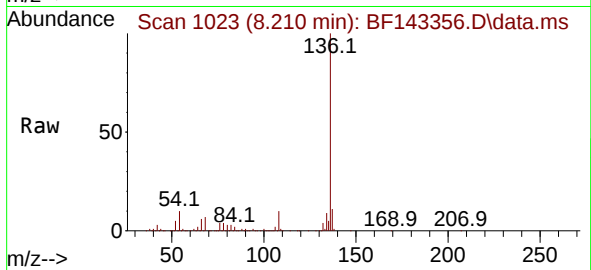
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 10.1 8.4 12.6

68 6.8 5.9 8.9



#23

Nitrobenzene-d5

Concen: 74.446 ng

RT: 7.481 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF143356.D

Acq: 12 Aug 2025 16:32

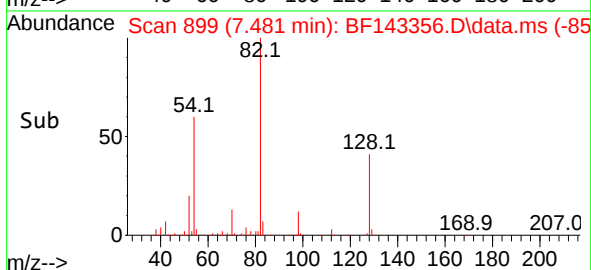
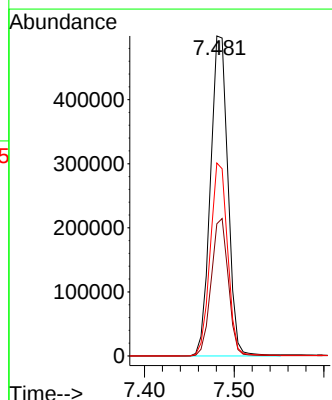
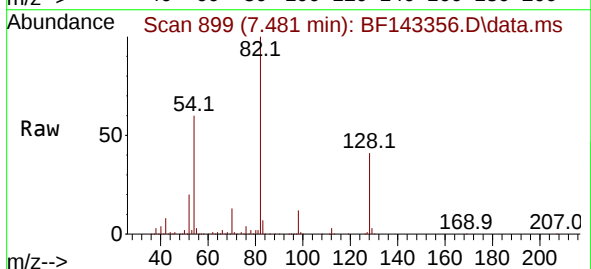
Tgt Ion: 82 Resp: 676175

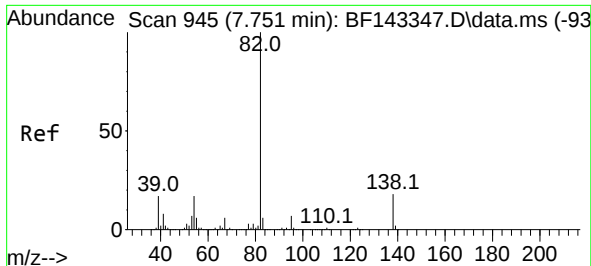
Ion Ratio Lower Upper

82 100

128 41.3 33.5 50.3

54 60.3 46.7 70.1

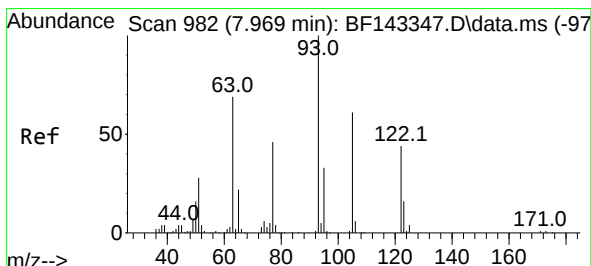
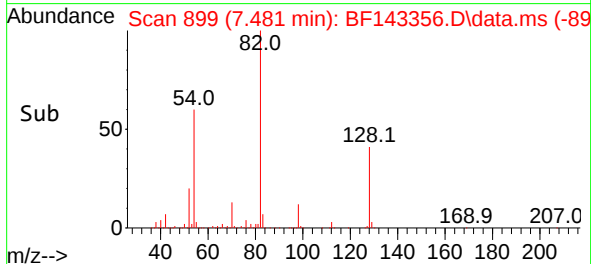
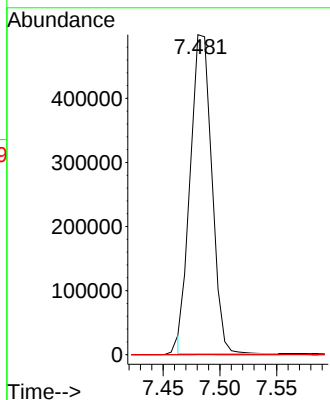
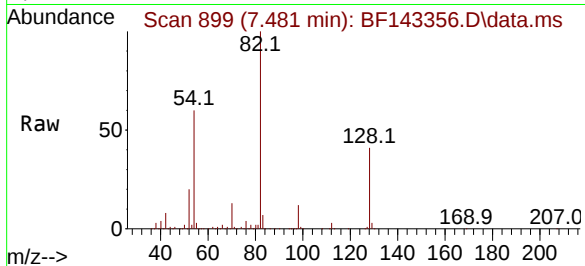




#25
Isophorone
Concen: 35.324 ng
RT: 7.481 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

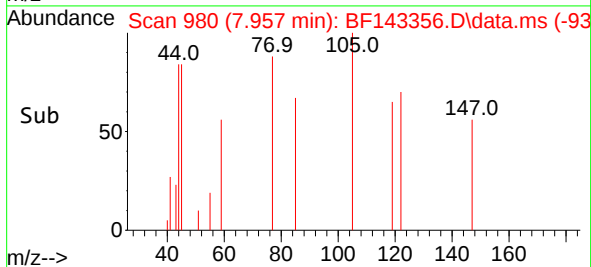
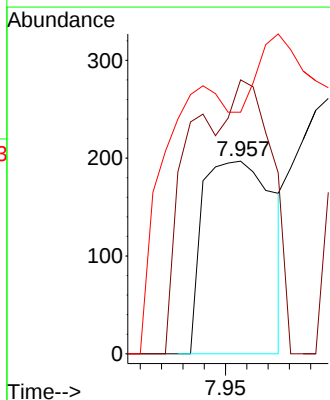
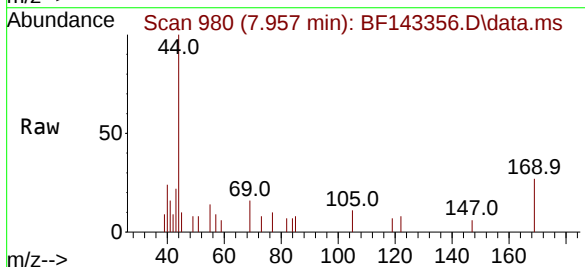
Instrument :
BNA_F
ClientSampleId :
COMP-6

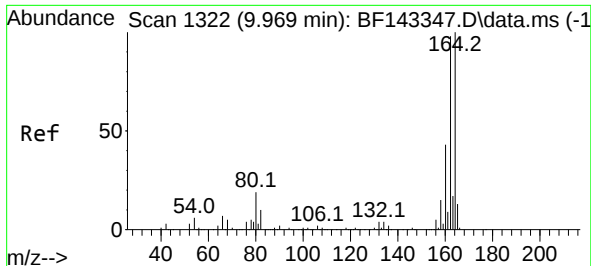
Tgt Ion: 82 Resp: 654981
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 3.622 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.012 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion: 122 Resp: 451
Ion Ratio Lower Upper
122 100
105 142.1 106.4 146.4
77 125.4 79.2 119.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143356.D

Acq: 12 Aug 2025 16:32

Instrument :

BNA_F

ClientSampleId :

COMP-6

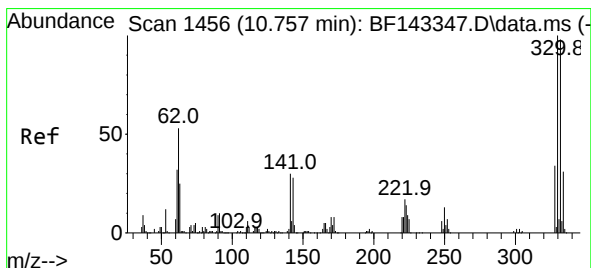
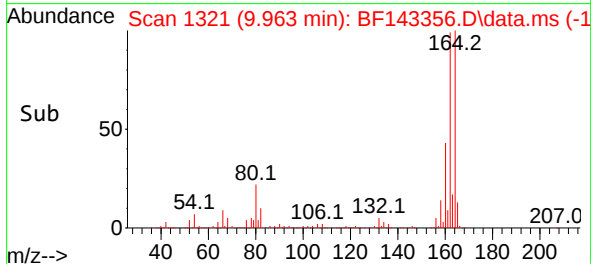
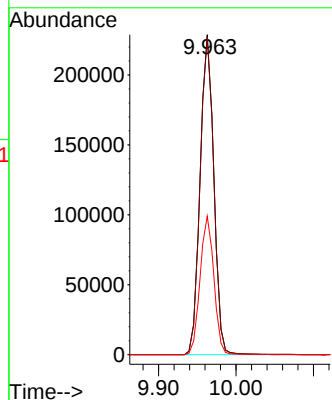
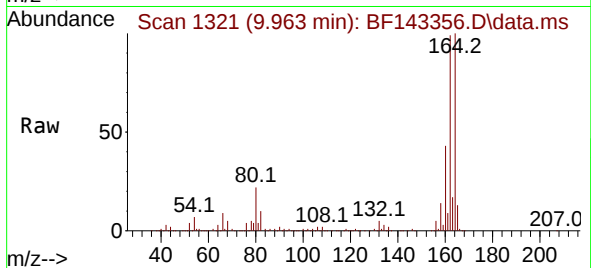
Tgt Ion:164 Resp: 280798

Ion Ratio Lower Upper

164 100

162 99.2 78.6 118.0

160 43.3 34.4 51.6



#42

2,4,6-Tribromophenol

Concen: 114.194 ng

RT: 10.751 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF143356.D

Acq: 12 Aug 2025 16:32

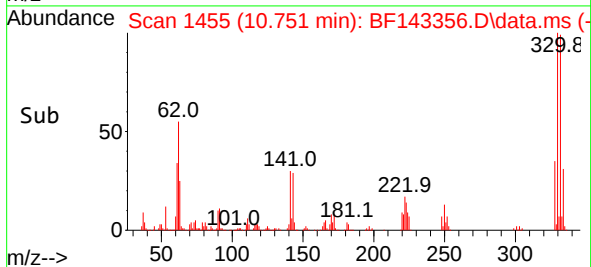
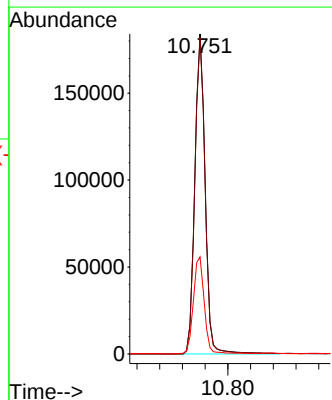
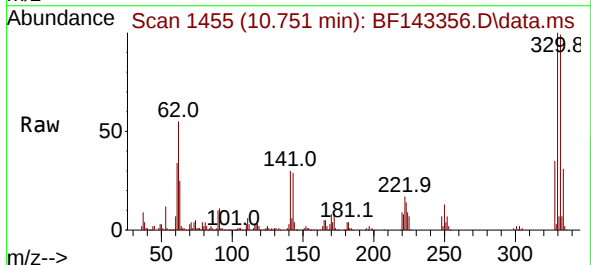
Tgt Ion:330 Resp: 234342

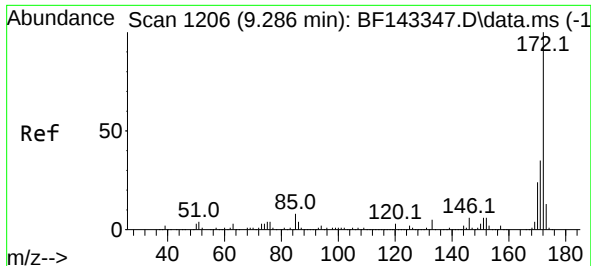
Ion Ratio Lower Upper

330 100

332 98.9 78.1 117.1

141 32.2 25.4 38.0

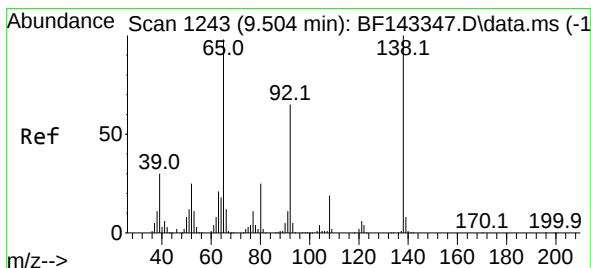
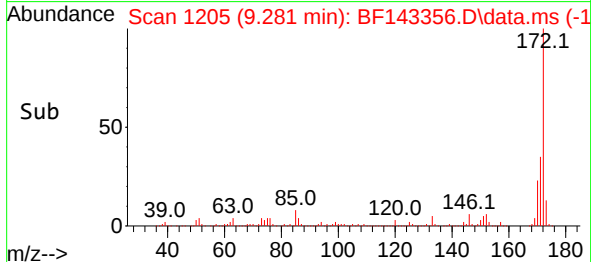
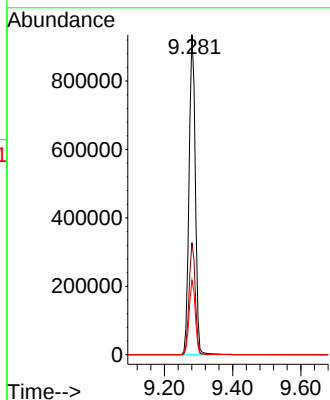
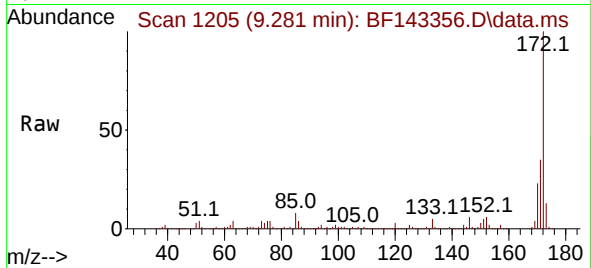




#45
2-Fluorobiphenyl
Concen: 71.332 ng
RT: 9.281 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

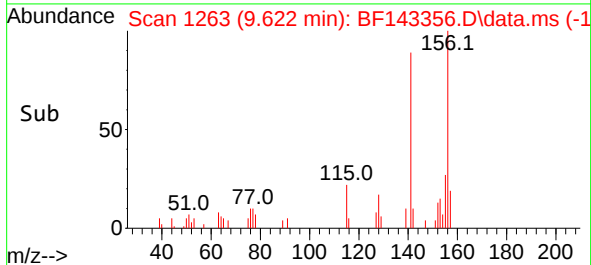
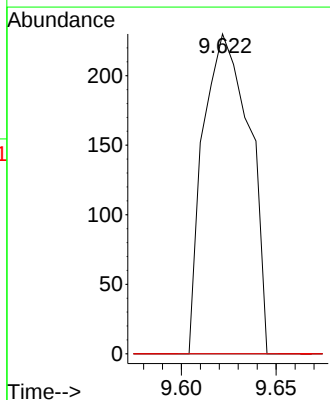
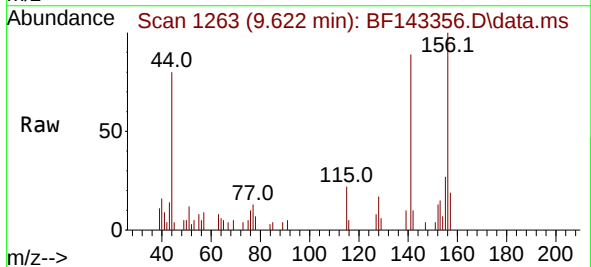
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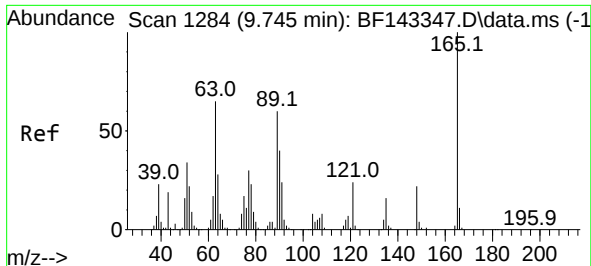
Tgt Ion:172 Resp: 1181184
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.3 19.1 28.7



#48
2-Nitroaniline
Concen: 2.847 ng
RT: 9.622 min Scan# 1263
Delta R.T. 0.118 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion: 65 Resp: 391
Ion Ratio Lower Upper
65 100
92 0.0 53.1 79.7#
138 0.0 81.4 122.0#

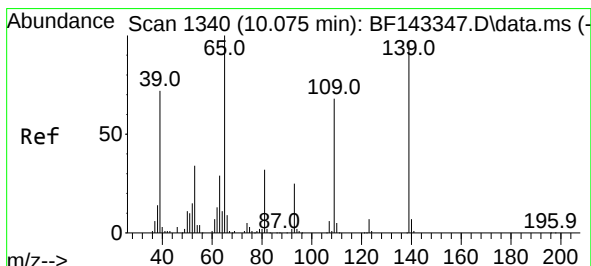
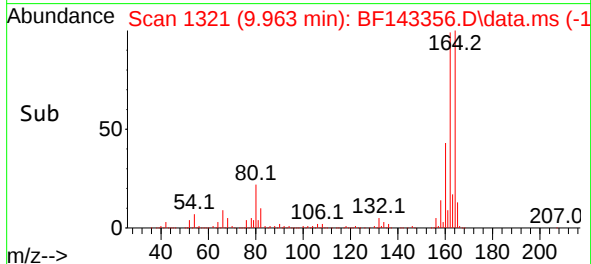
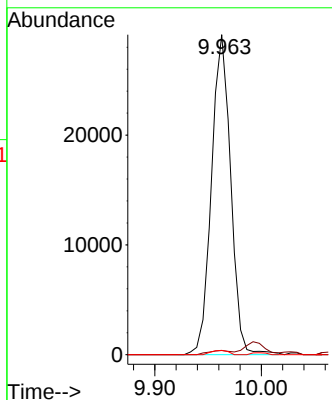
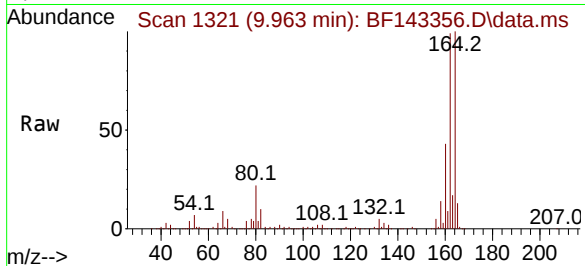




#51
2,6-Dinitrotoluene
Concen: 13.984 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

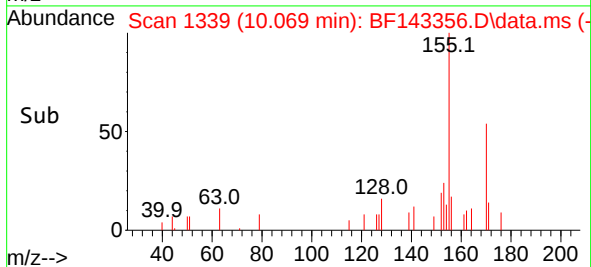
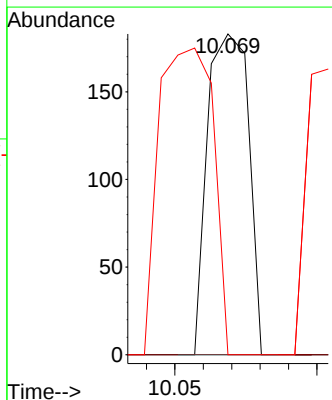
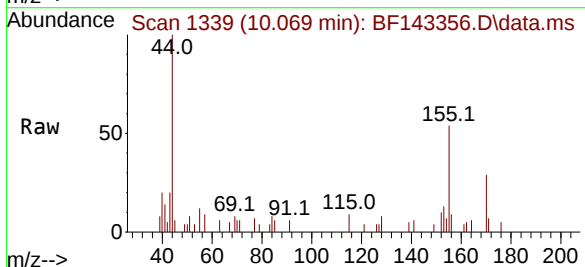
Instrument :
BNA_F
ClientSampleId :
COMP-6

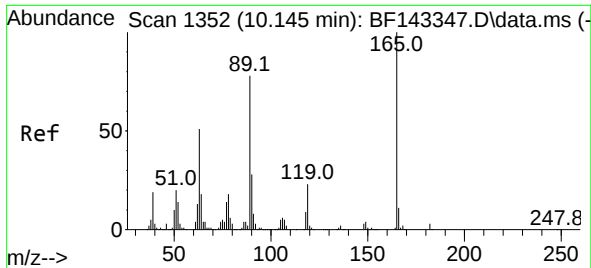
Tgt Ion:165 Resp: 36469
Ion Ratio Lower Upper
165 100
63 1.3 51.6 77.4#
89 1.3 47.7 71.5#



#56
4-Nitrophenol
Concen: 5.540 ng
RT: 10.069 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:139 Resp: 184
Ion Ratio Lower Upper
139 100
109 0.0 49.4 89.4#
65 0.0 83.7 123.7#

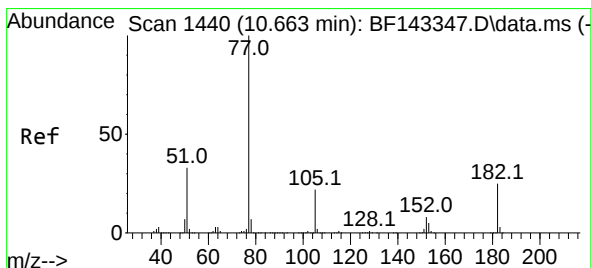
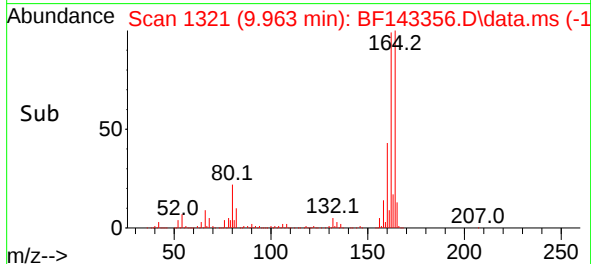
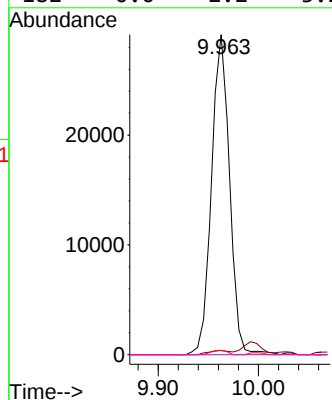
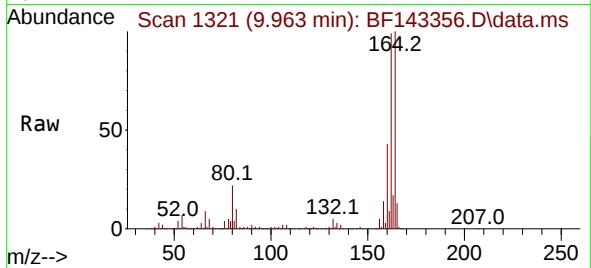




#57
2,4-Dinitrotoluene
Concen: 11.310 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

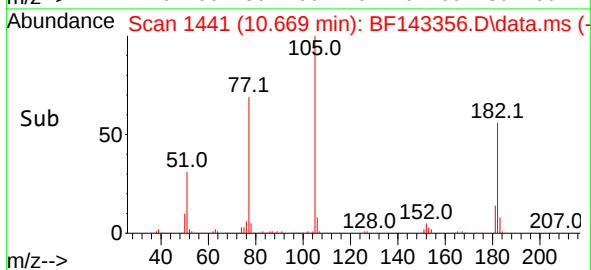
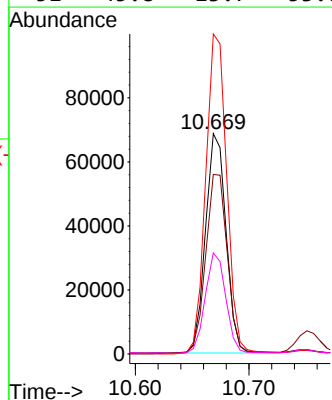
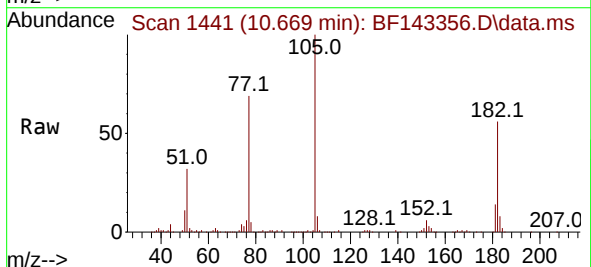
Instrument :
BNA_F
ClientSampleId :
COMP-6

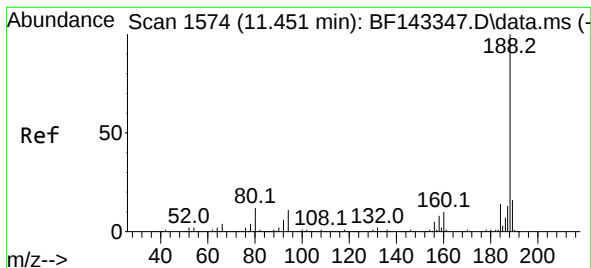
Tgt Ion:165 Resp: 36470
Ion Ratio Lower Upper
165 100
63 1.3 41.8 62.8#
89 1.3 62.4 93.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 5.137 ng
RT: 10.669 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion: 77 Resp: 86227
Ion Ratio Lower Upper
77 100
182 81.4 4.4 44.4#
105 145.2 1.8 41.8#
51 45.8 13.7 53.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143356.D

Acq: 12 Aug 2025 16:32

Instrument :

BNA_F

ClientSampleId :

COMP-6

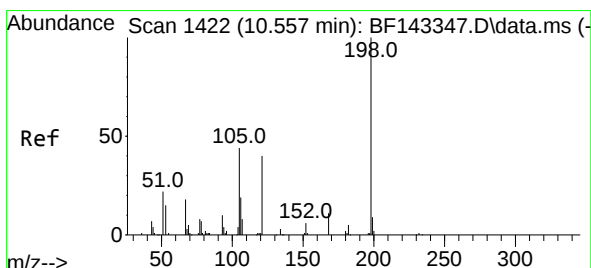
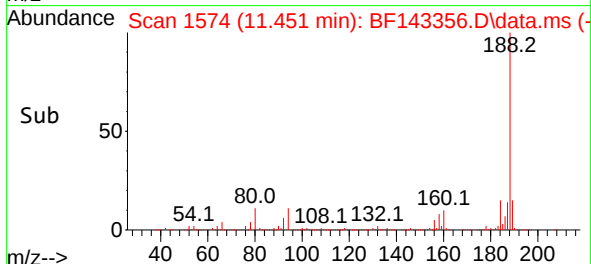
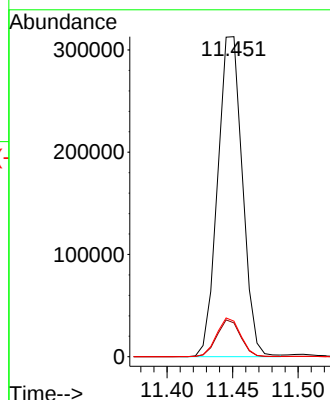
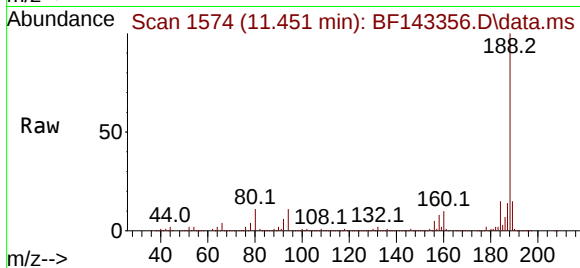
Tgt Ion:188 Resp: 410381

Ion Ratio Lower Upper

188 100

94 10.6 8.8 13.2

80 11.1 9.7 14.5



#65

4,6-Dinitro-2-methylphenol

Concen: 7.566 ng

RT: 10.751 min Scan# 1455

Delta R.T. 0.194 min

Lab File: BF143356.D

Acq: 12 Aug 2025 16:32

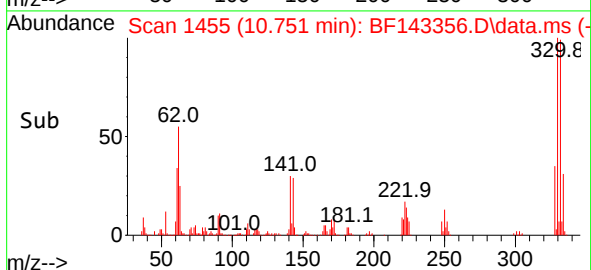
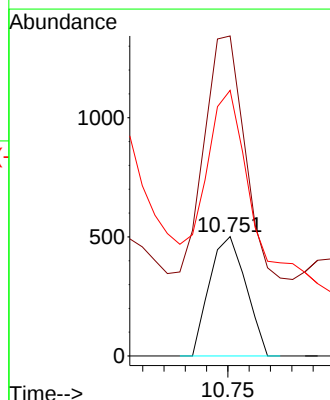
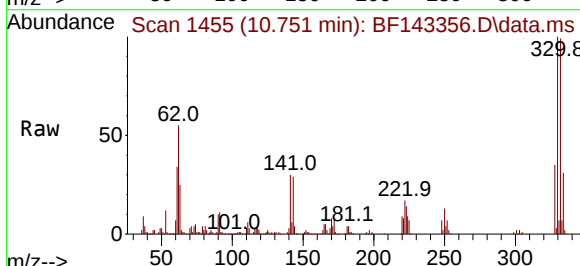
Tgt Ion:198 Resp: 596

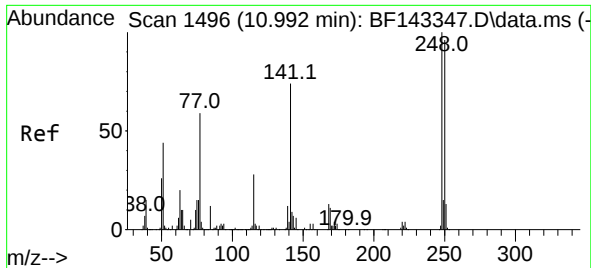
Ion Ratio Lower Upper

198 100

51 268.1 41.7 81.7#

105 222.6 26.8 66.8#

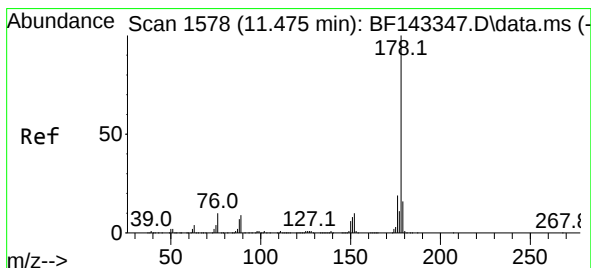
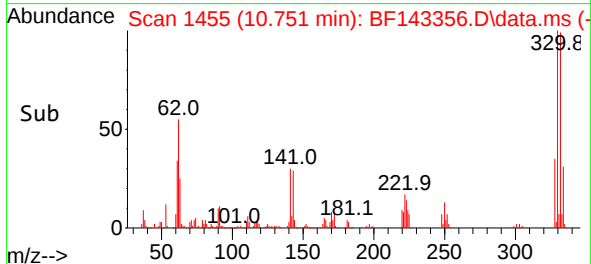
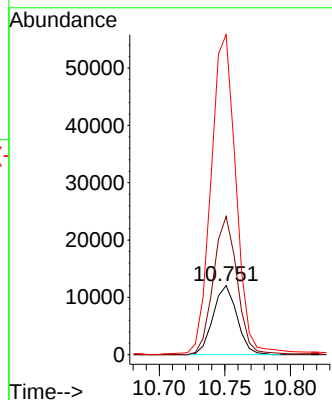
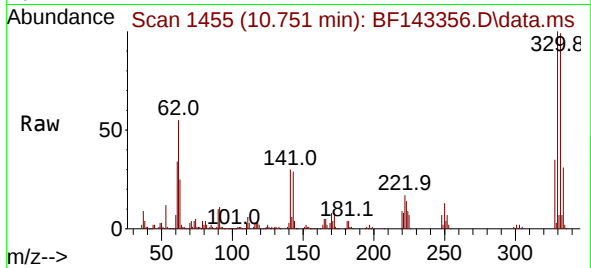




#67
4-Bromophenyl-phenylether
Concen: 3.263 ng
RT: 10.751 min Scan# 1496
Delta R.T. -0.241 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

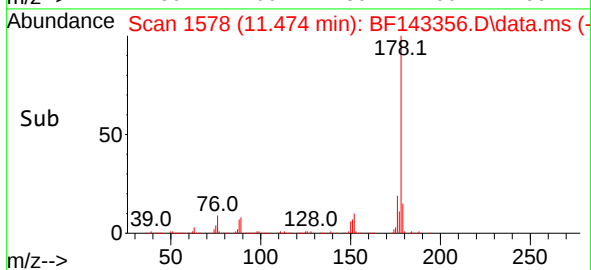
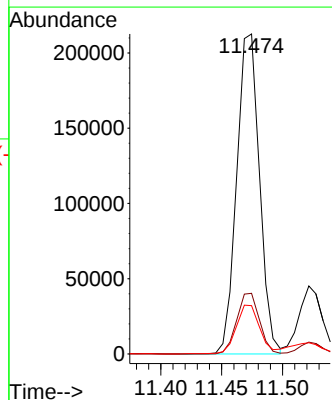
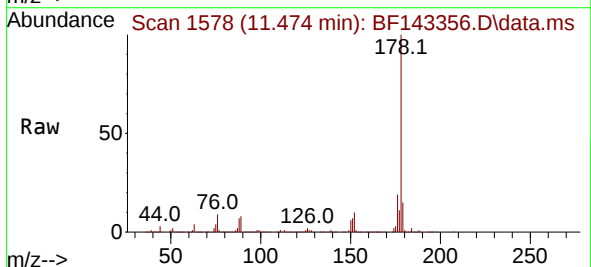
Instrument :
BNA_F
ClientSampleId :
COMP-6

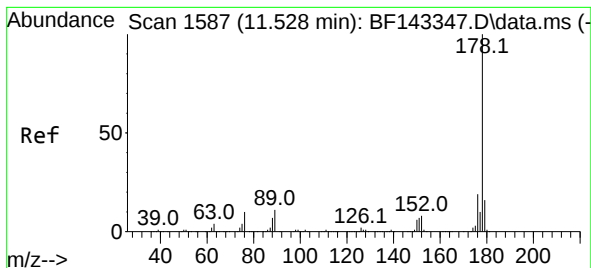
Tgt Ion:248 Resp: 15313
Ion Ratio Lower Upper
248 100
250 199.9 77.1 115.7#
141 462.8 59.1 88.7#



#71
Phenanthrene
Concen: 12.382 ng
RT: 11.474 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:178 Resp: 277235
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.1 12.5 18.7





#72

Anthracene

Concen: 2.632 ng

RT: 11.522 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143356.D

Acq: 12 Aug 2025 16:32

Instrument :

BNA_F

ClientSampleId :

COMP-6

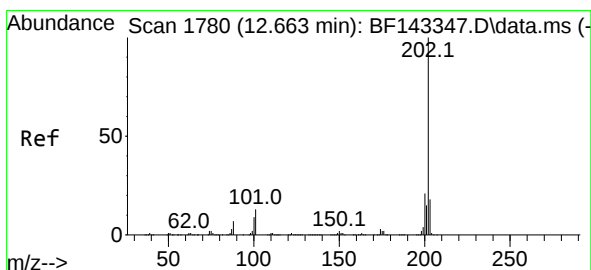
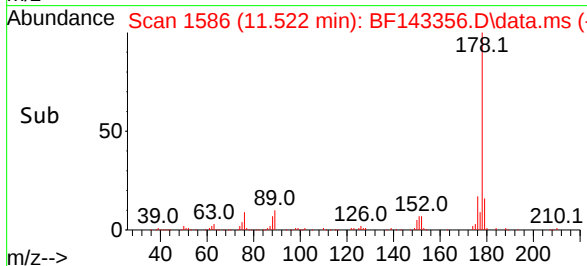
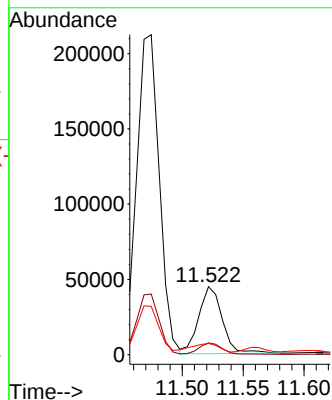
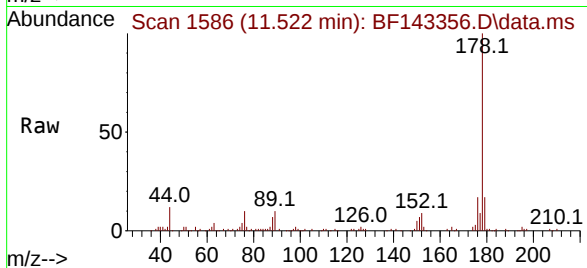
Tgt Ion:178 Resp: 59754

Ion Ratio Lower Upper

178 100

176 17.4 15.1 22.7

179 16.6 12.7 19.1



#75

Fluoranthene

Concen: 19.831 ng

RT: 12.663 min Scan# 1780

Delta R.T. -0.000 min

Lab File: BF143356.D

Acq: 12 Aug 2025 16:32

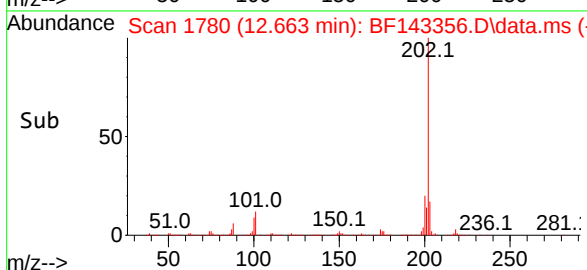
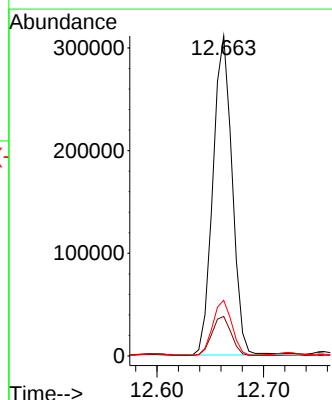
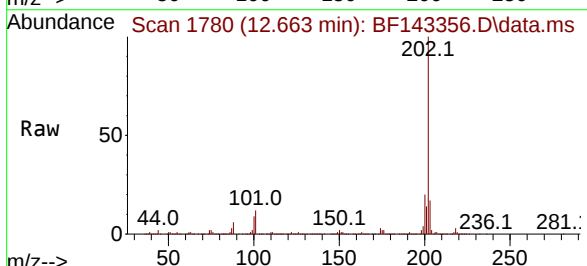
Tgt Ion:202 Resp: 388951

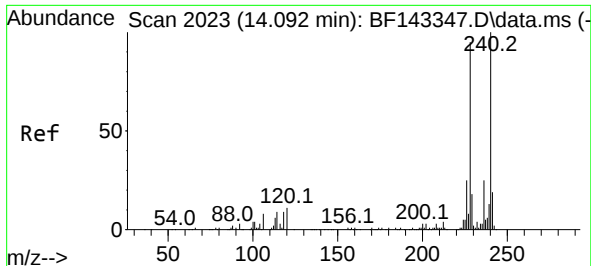
Ion Ratio Lower Upper

202 100

101 12.3 0.0 33.2

203 17.4 0.0 37.6

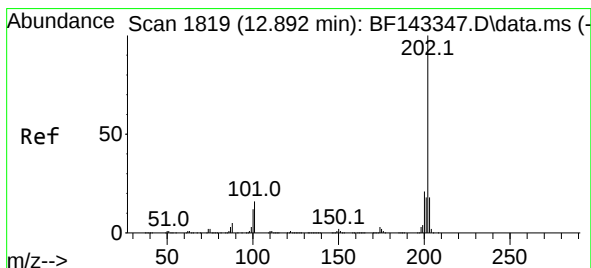
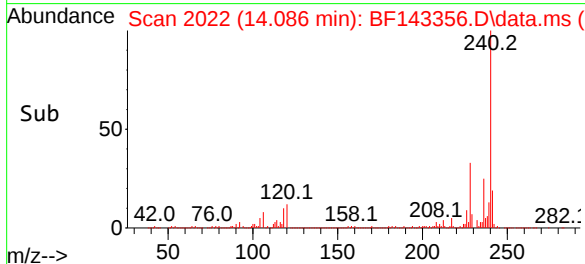
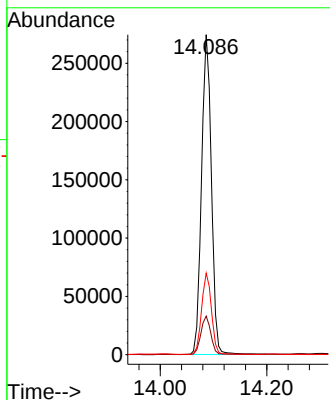
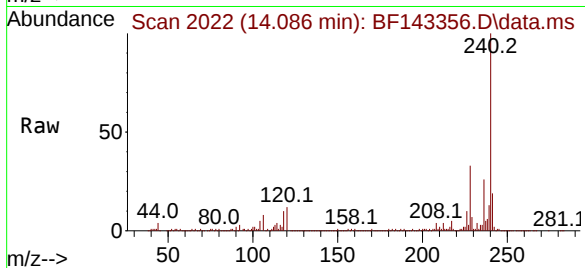




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

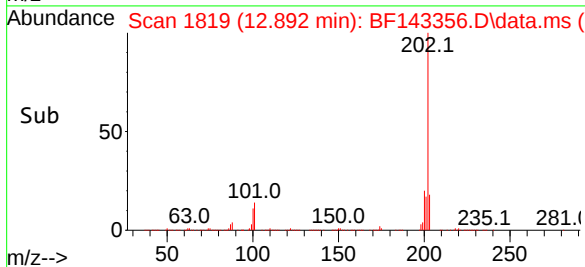
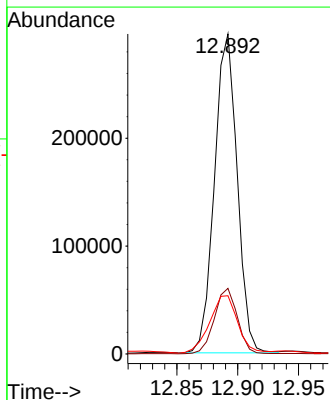
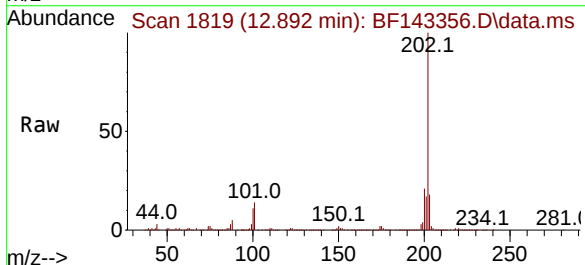
Instrument :
BNA_F
ClientSampleId :
COMP-6

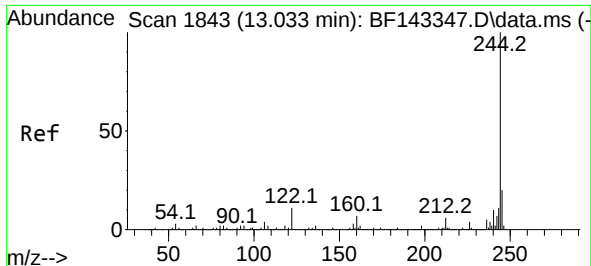
Tgt Ion:240 Resp: 352203
Ion Ratio Lower Upper
240 100
120 12.0 9.0 13.6
236 25.5 19.9 29.9



#78
Pyrene
Concen: 13.002 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:202 Resp: 384159
Ion Ratio Lower Upper
202 100
200 20.5 16.8 25.2
203 18.2 14.2 21.4

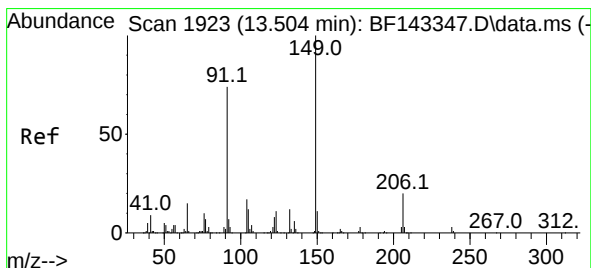
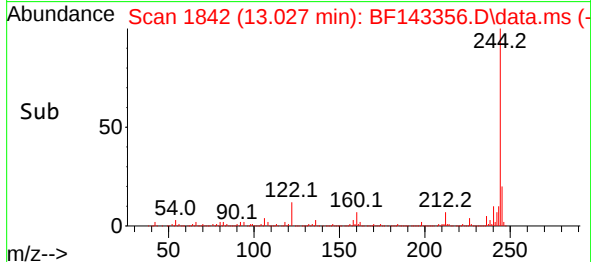
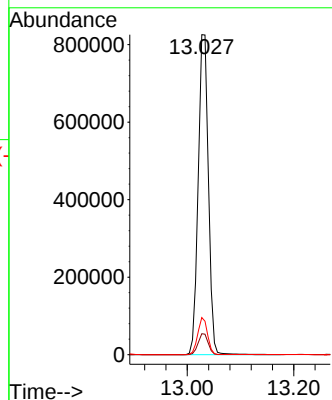
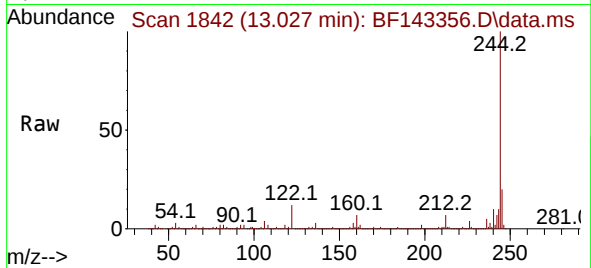




#79
 Terphenyl-d14
 Concen: 55.780 ng
 RT: 13.027 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF143356.D
 Acq: 12 Aug 2025 16:32

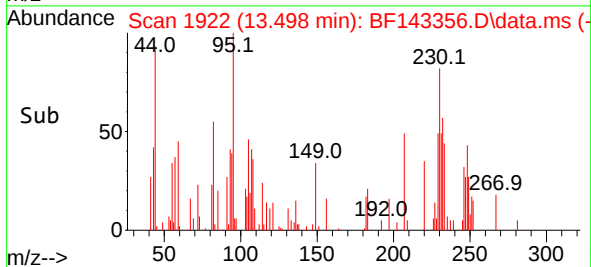
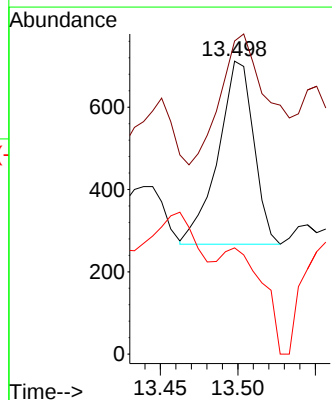
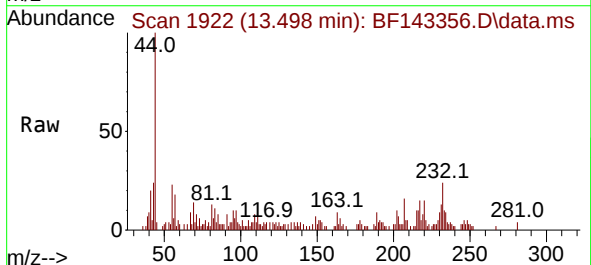
Instrument :
 BNA_F
 ClientSampleId :
 COMP-6

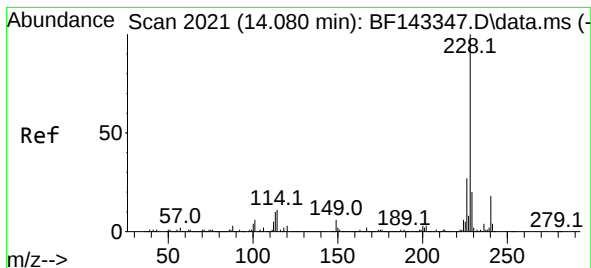
Tgt Ion:244 Resp: 1100402
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 11.6 8.9 13.3



#80
 Butylbenzylphthalate
 Concen: 3.464 ng
 RT: 13.498 min Scan# 1922
 Delta R.T. -0.006 min
 Lab File: BF143356.D
 Acq: 12 Aug 2025 16:32

Tgt Ion:149 Resp: 710
 Ion Ratio Lower Upper
 149 100
 91 106.9 58.8 88.2#
 206 36.2 16.4 24.6#





#81

Benzo(a)anthracene

Concen: 9.433 ng

RT: 14.074 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143356.D

Acq: 12 Aug 2025 16:32

Instrument :

BNA_F

ClientSampleId :

COMP-6

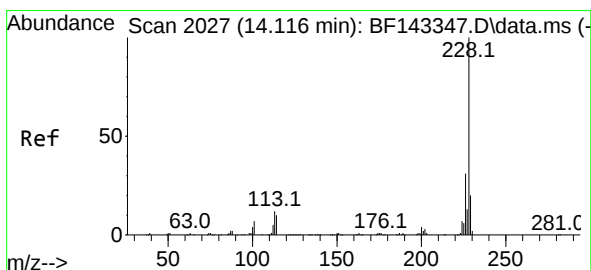
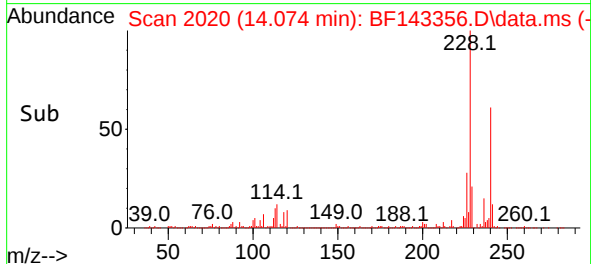
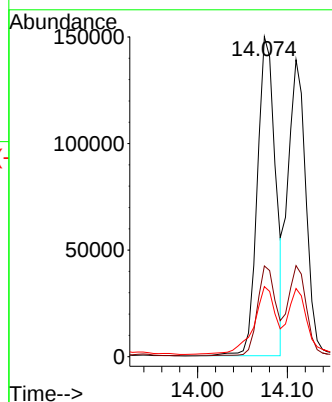
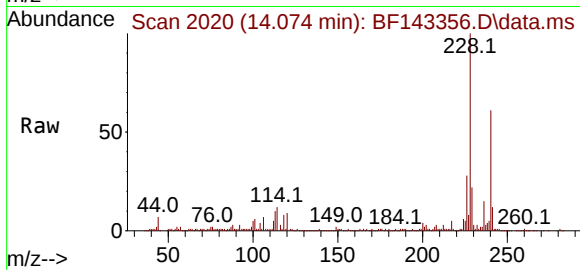
Tgt Ion:228 Resp: 211166

Ion Ratio Lower Upper

228 100

226 28.3 22.0 33.0

229 21.9 15.8 23.8



#83

Chrysene

Concen: 9.155 ng

RT: 14.110 min Scan# 2026

Delta R.T. -0.006 min

Lab File: BF143356.D

Acq: 12 Aug 2025 16:32

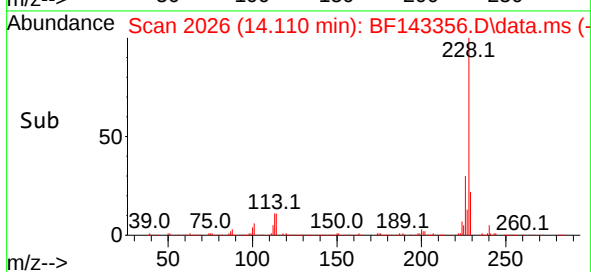
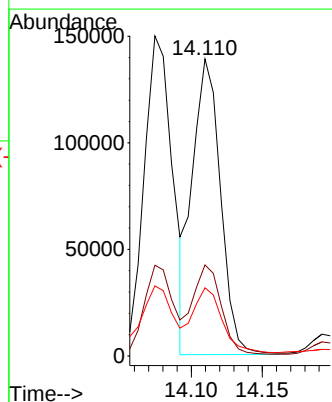
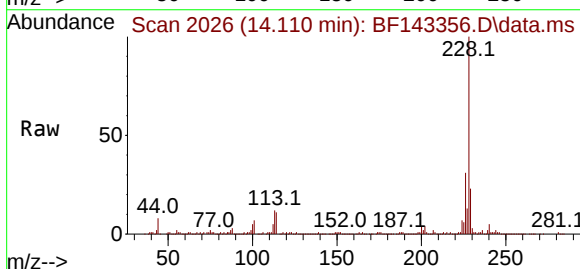
Tgt Ion:228 Resp: 191104

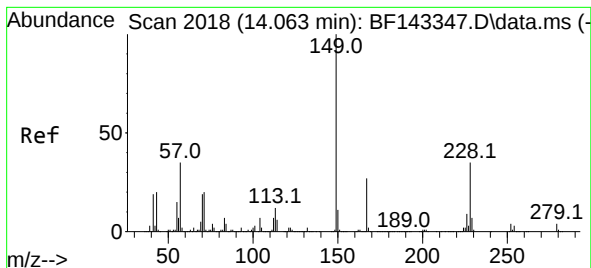
Ion Ratio Lower Upper

228 100

226 30.7 24.2 36.2

229 23.0 15.8 23.6

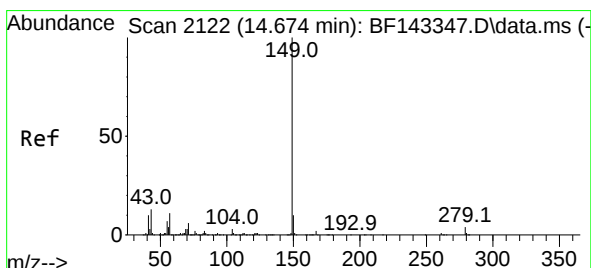
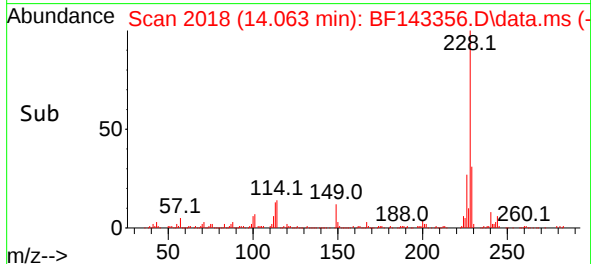
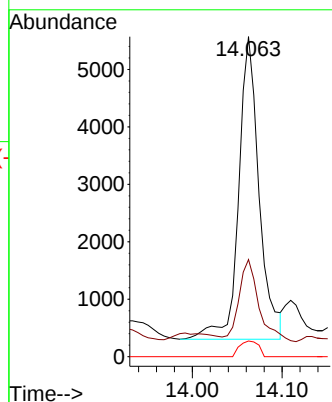
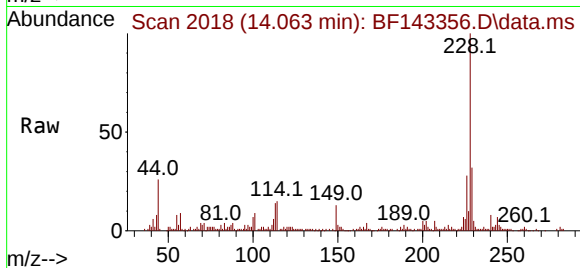




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.881 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

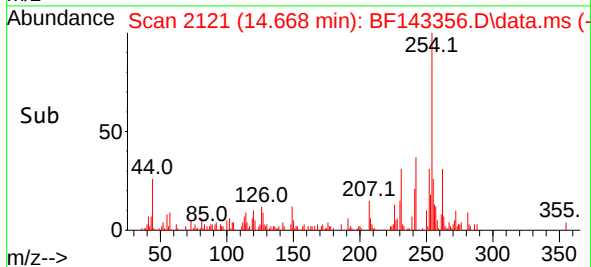
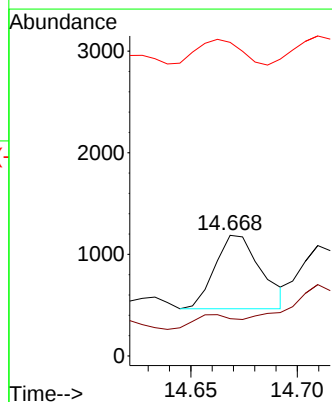
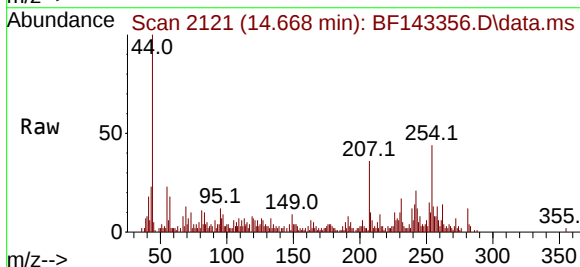
Instrument :
BNA_F
ClientSampleId :
COMP-6

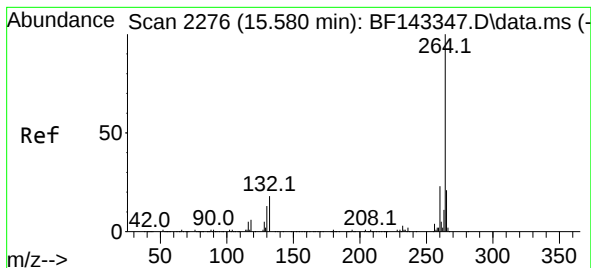
Tgt Ion:149 Resp: 8350
Ion Ratio Lower Upper
149 100
167 30.4 21.4 32.0
279 4.9 3.2 4.8#



#85
Di-n-octyl phthalate
Concen: 6.080 ng
RT: 14.668 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:149 Resp: 1089
Ion Ratio Lower Upper
149 100
167 19.0 1.3 1.9#
43 0.0 10.8 16.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143356.D

Acq: 12 Aug 2025 16:32

Instrument :

BNA_F

ClientSampleId :

COMP-6

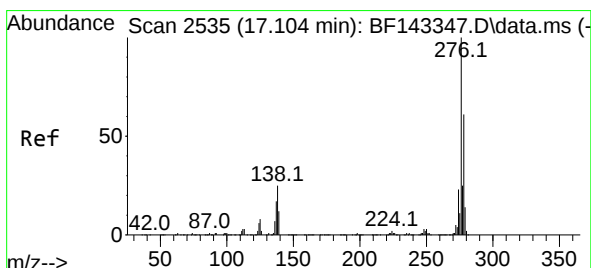
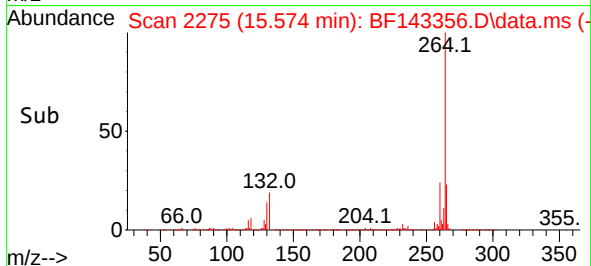
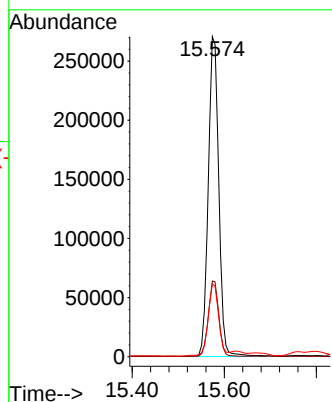
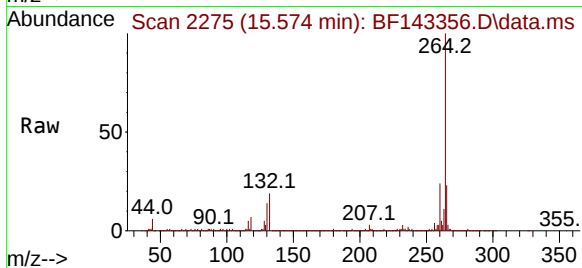
Tgt Ion:264 Resp: 431956

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 22.7 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.004 ng

RT: 17.086 min Scan# 2532

Delta R.T. -0.018 min

Lab File: BF143356.D

Acq: 12 Aug 2025 16:32

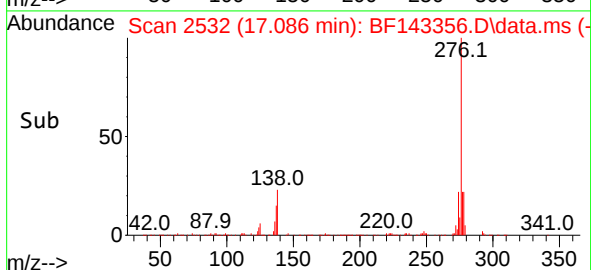
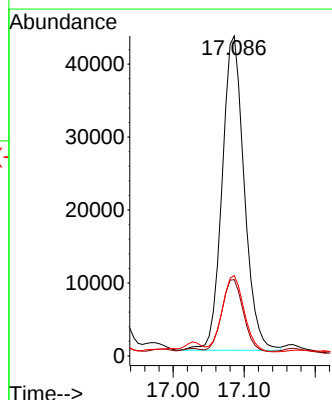
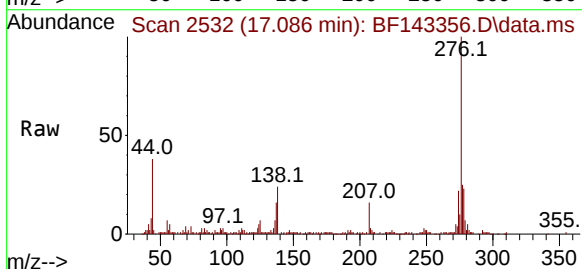
Tgt Ion:276 Resp: 92969

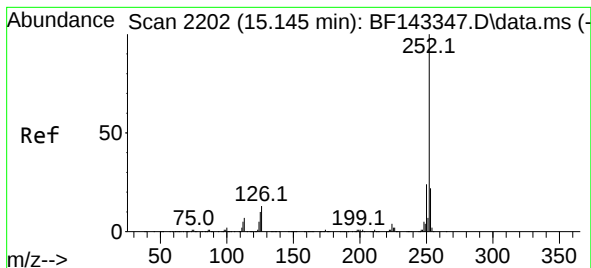
Ion Ratio Lower Upper

276 100

138 22.4 21.1 31.7

277 24.2 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 12.681 ng

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BF143356.D

Acq: 12 Aug 2025 16:32

Instrument :

BNA_F

ClientSampleId :

COMP-6

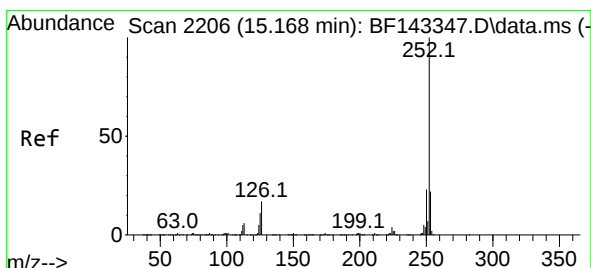
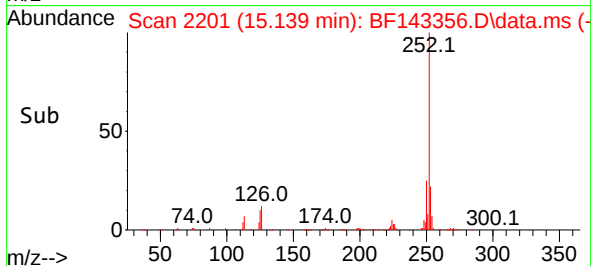
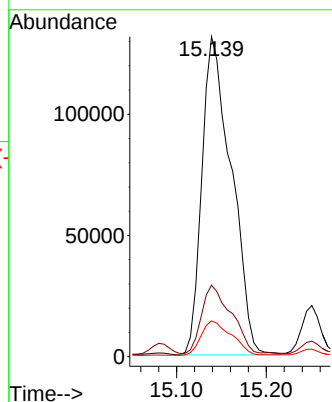
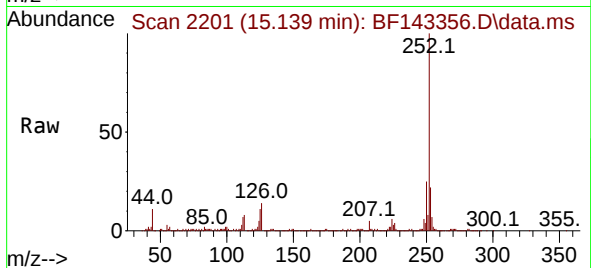
Tgt Ion:252 Resp: 299591

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

125 11.2 7.8 11.6



#89

Benzo(k)fluoranthene

Concen: 13.050 ng

RT: 15.139 min Scan# 2201

Delta R.T. -0.029 min

Lab File: BF143356.D

Acq: 12 Aug 2025 16:32

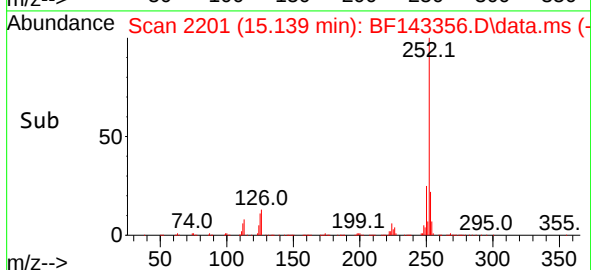
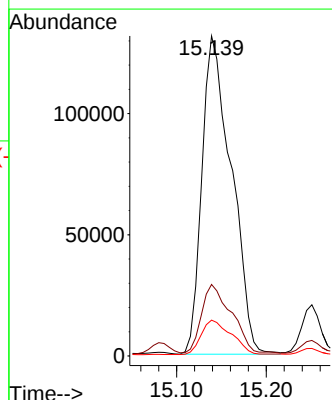
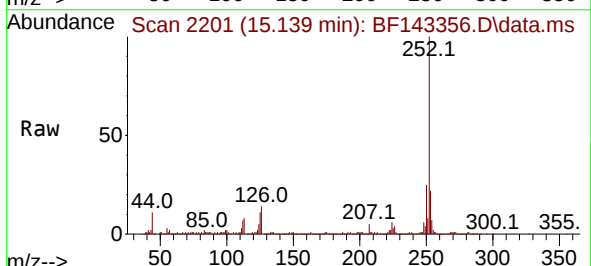
Tgt Ion:252 Resp: 299591

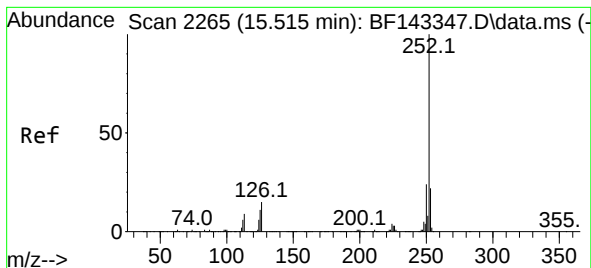
Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 11.2 8.4 12.6





#90

Benzo(a)pyrene

Concen: 7.582 ng

RT: 15.510 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143356.D

Acq: 12 Aug 2025 16:32

Instrument :

BNA_F

ClientSampleId :

COMP-6

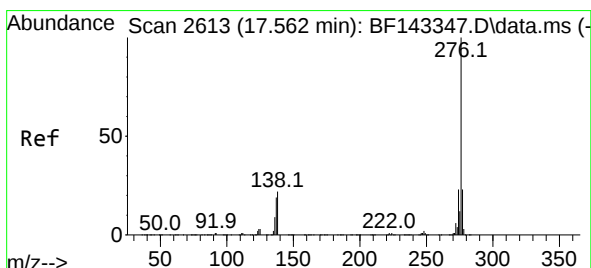
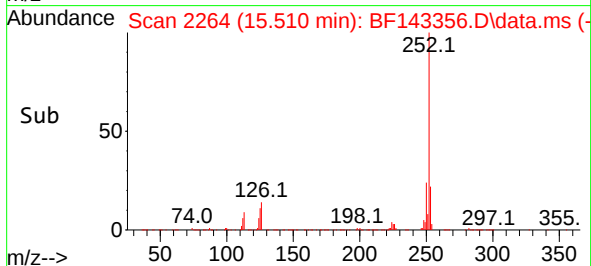
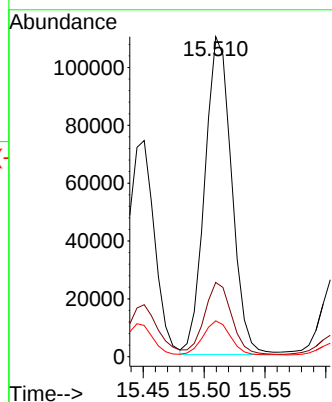
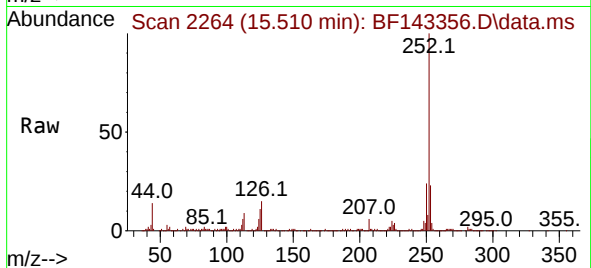
Tgt Ion:252 Resp: 168720

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

125 11.2 9.1 13.7



#92

Benzo(g,h,i)perylene

Concen: 3.451 ng

RT: 17.545 min Scan# 2610

Delta R.T. -0.018 min

Lab File: BF143356.D

Acq: 12 Aug 2025 16:32

Tgt Ion:276 Resp: 85957

Ion Ratio Lower Upper

276 100

277 24.3 18.7 28.1

138 22.7 17.8 26.8

