

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
 Data File : BF134926.D
 Acq On : 24 Aug 2023 16:13
 Operator : CG\JU
 Sample : 04082-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 362

Quant Time: Aug 25 01:20:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

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

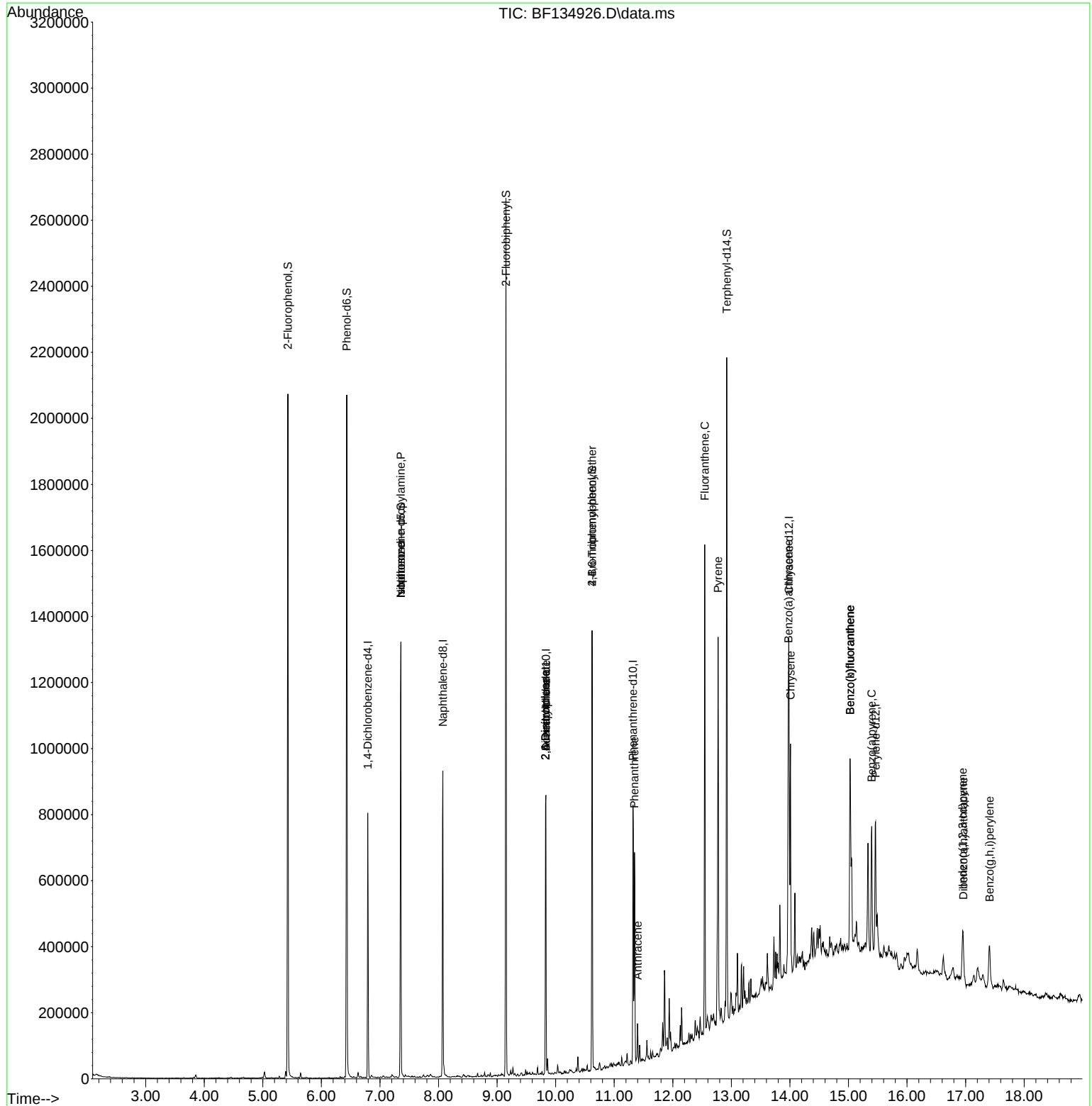
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	105583	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	390539	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	173114	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	288522	20.000	ng	0.00
76) Chrysene-d12	13.980	240	234747	20.000	ng	0.00
86) Perylene-d12	15.462	264	192143	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	535876	80.935	ng	0.00
7) Phenol-d6	6.434	99	666330	78.758	ng	0.00
23) Nitrobenzene-d5	7.357	82	409074	57.719	ng	0.00
42) 2,4,6-Tribromophenol	10.621	330	150090	73.615	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	719431	64.245	ng	0.00
79) Terphenyl-d14	12.921	244	670202	39.268	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	55311	11.194	ng	# 77
20) 3+4-Methylphenols	7.210	107	2980	Below Cal		# 60
25) Isophorone	7.357	82	405596	30.648	ng	# 64
50) Dimethylphthalate	9.833	163	36469	2.960	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	23287	8.568	ng	# 29
57) 2,4-Dinitrotoluene	9.827	165	23287	6.928	ng	# 25
67) 4-Bromophenyl-phenylether	10.621	248	9772	2.936	ng	# 1
71) Phenanthrene	11.345	178	232543	15.381	ng	99
72) Anthracene	11.398	178	40117	2.590	ng	99
75) Fluoranthene	12.545	202	553468	38.635	ng	99
78) Pyrene	12.774	202	480910	19.322	ng	100
81) Benzo(a)anthracene	13.974	228	251081	15.677	ng	97
83) Chrysene	14.009	228	283946	17.968	ng	98
87) Indeno(1,2,3-cd)pyrene	16.950	276	113501	8.264	ng	96
88) Benzo(b)fluoranthene	15.027	252	422157	38.942	ng	100
89) Benzo(k)fluoranthene	15.027	252	422157	39.657	ng	97
90) Benzo(a)pyrene	15.398	252	185315	17.124	ng	99
91) Dibenzo(a,h)anthracene	16.962	278	28092	2.528	ng	# 76
92) Benzo(g,h,i)perylene	17.409	276	112017	9.847	ng	100

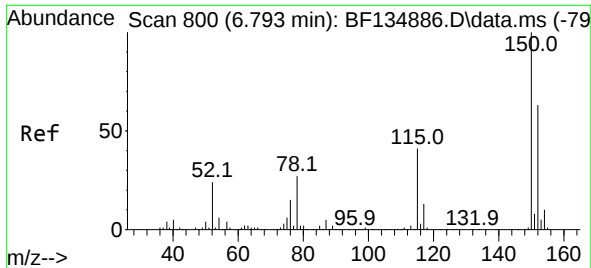
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
Data File : BF134926.D
Acq On : 24 Aug 2023 16:13
Operator : CG\JU
Sample : 04082-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
362

Quant Time: Aug 25 01:20:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 22 19:33:25 2023
Response via : Initial Calibration

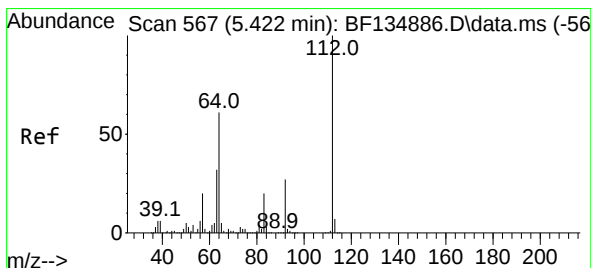
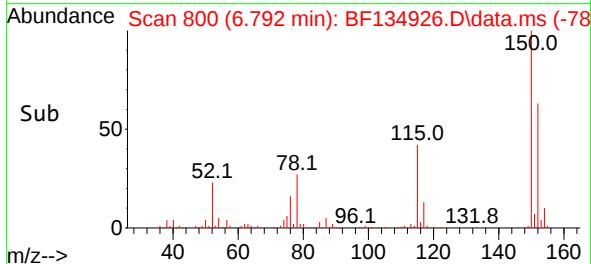
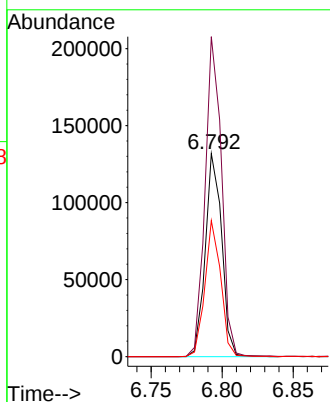
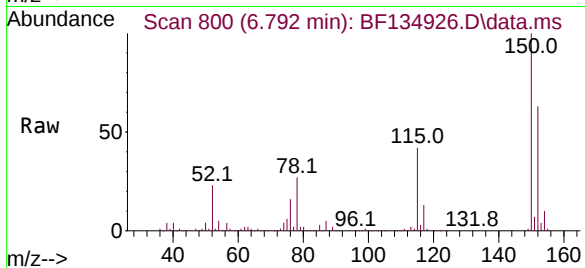




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.001 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

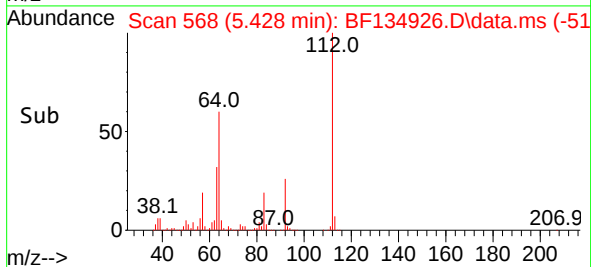
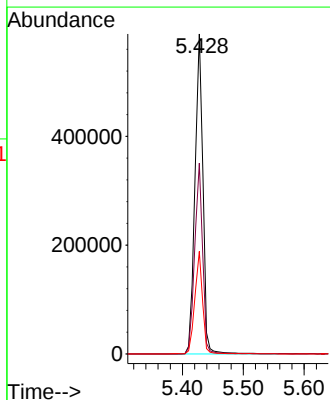
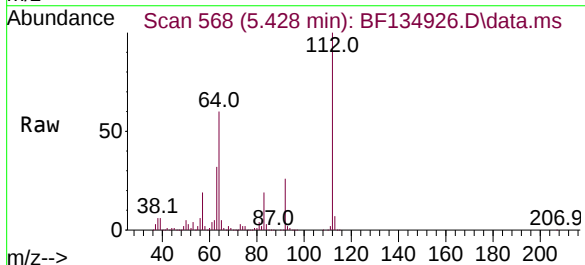
Instrument :
BNA_F
ClientSampleId :
362

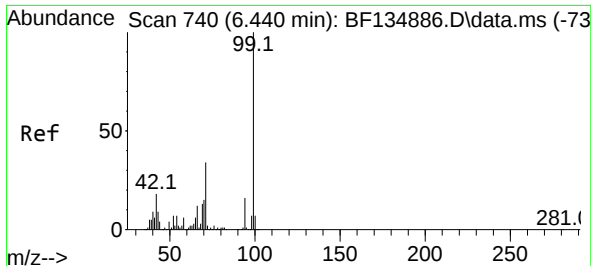
Tgt Ion:152 Resp: 105583
Ion Ratio Lower Upper
152 100
150 157.6 126.1 189.1
115 67.0 51.1 76.7



#5
2-Fluorophenol
Concen: 80.935 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

Tgt Ion:112 Resp: 535876
Ion Ratio Lower Upper
112 100
64 59.6 48.6 73.0
63 32.0 25.7 38.5

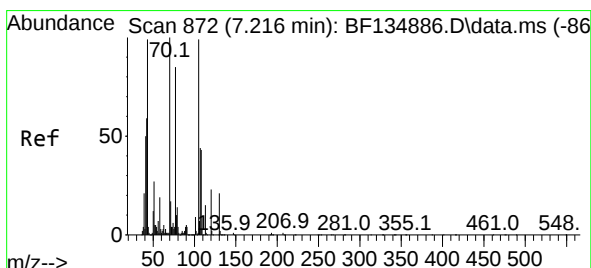
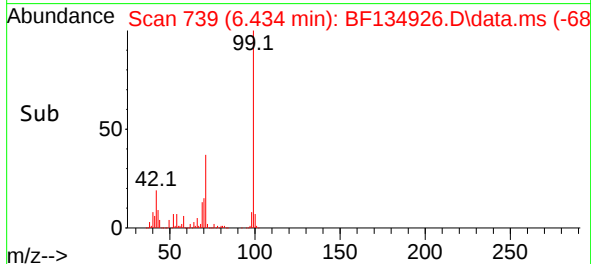
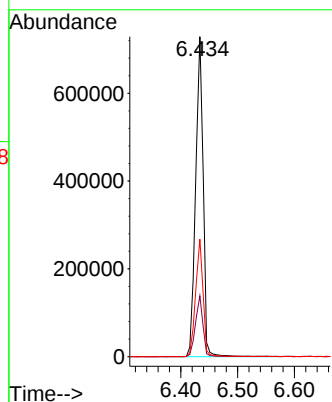
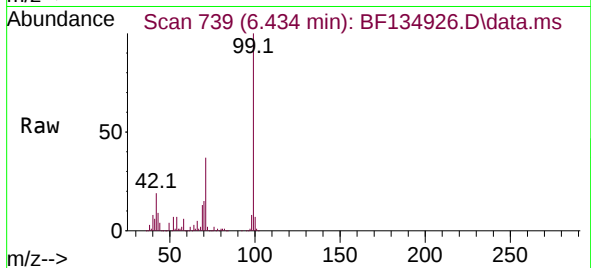




#7
Phenol-d6
Concen: 78.758 ng
RT: 6.434 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

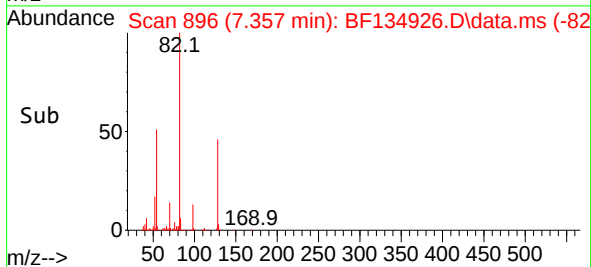
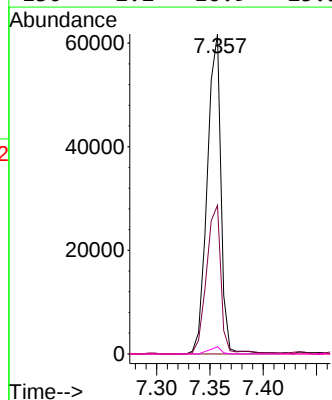
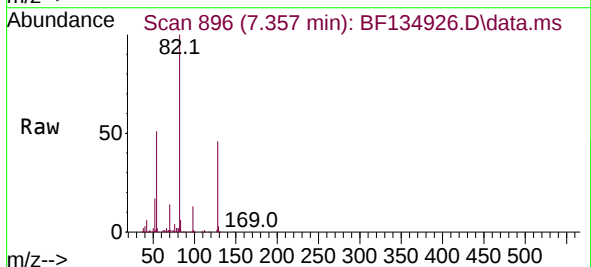
Instrument :
BNA_F
ClientSampleId :
362

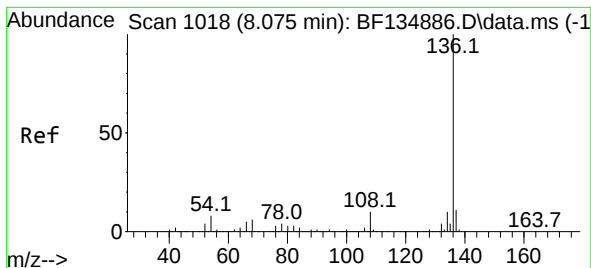
Tgt Ion: 99 Resp: 666330
Ion Ratio Lower Upper
99 100
42 19.0 14.6 22.0
71 36.7 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.194 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

Tgt Ion: 70 Resp: 55311
Ion Ratio Lower Upper
70 100
42 46.4 46.9 70.3#
101 0.0 7.5 11.3#
130 2.2 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1018

Delta R.T. -0.000 min

Lab File: BF134926.D

Acq: 24 Aug 2023 16:13

Instrument :

BNA_F

ClientSampleId :

362

Tgt Ion:136 Resp: 390539

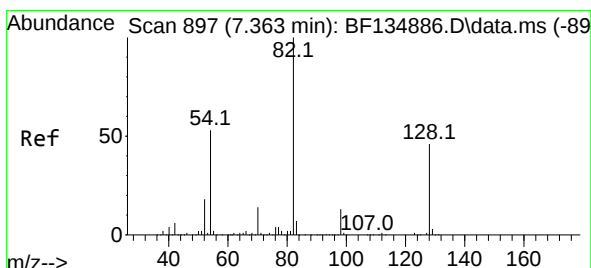
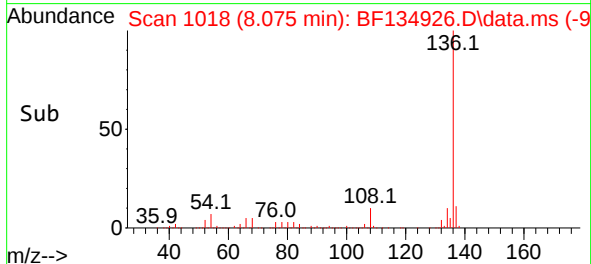
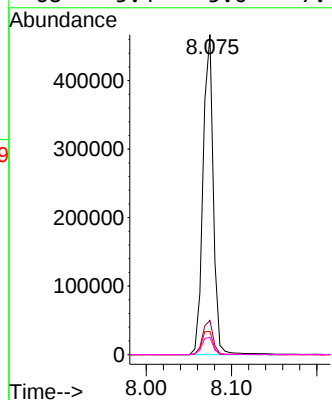
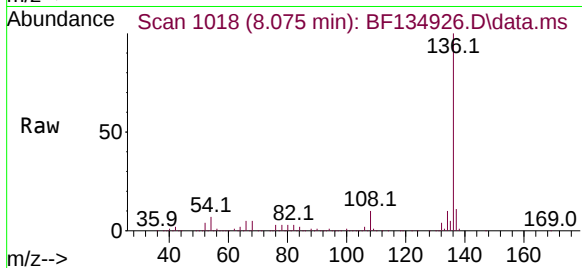
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.2 6.6 9.8

68 5.4 5.0 7.4



#23

Nitrobenzene-d5

Concen: 57.719 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF134926.D

Acq: 24 Aug 2023 16:13

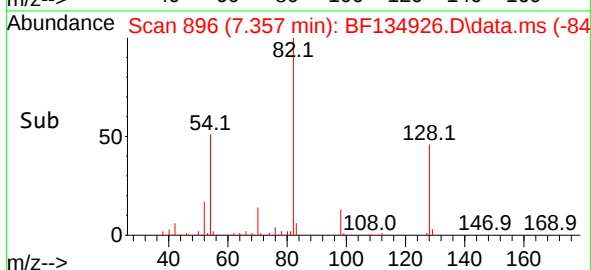
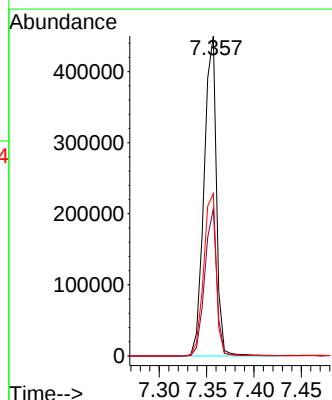
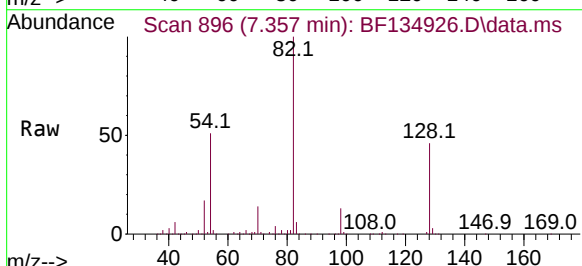
Tgt Ion: 82 Resp: 409074

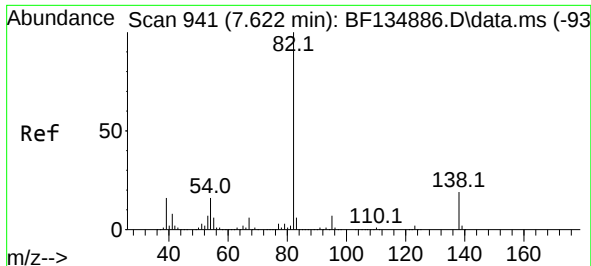
Ion Ratio Lower Upper

82 100

128 45.9 36.6 54.8

54 50.7 42.6 63.8

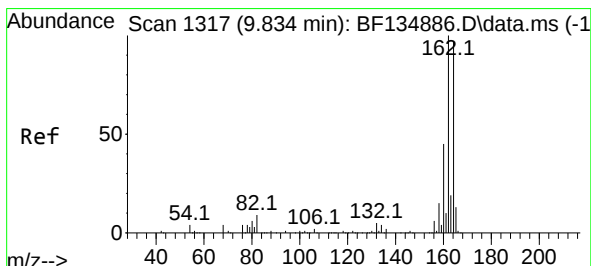
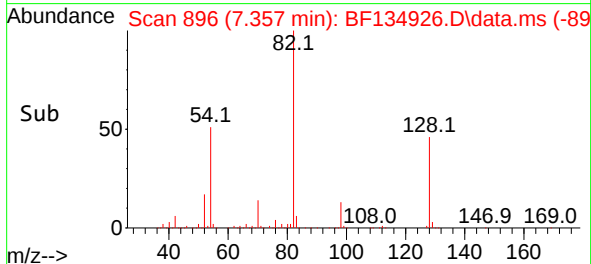
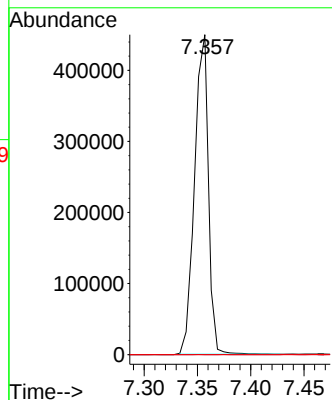
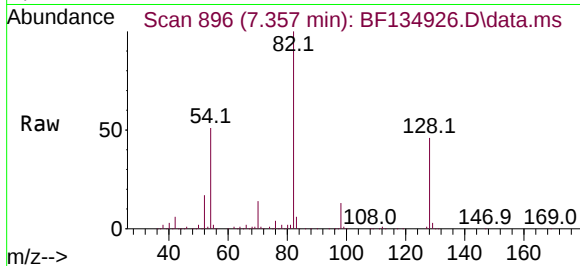




#25
Isophorone
Concen: 30.648 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

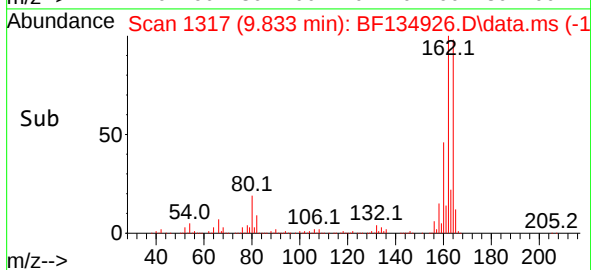
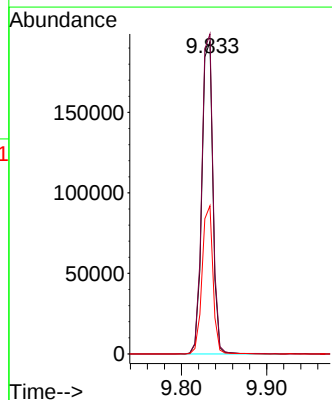
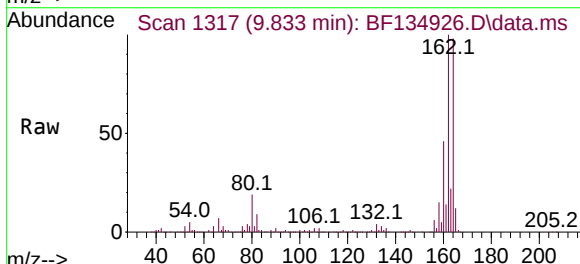
Instrument :
BNA_F
ClientSampleId :
362

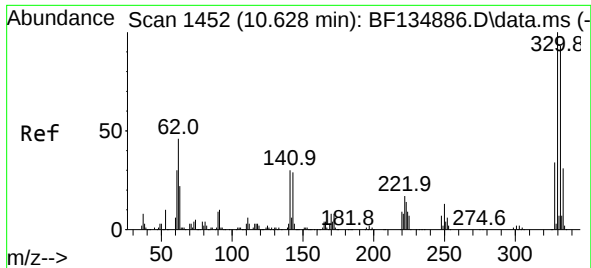
Tgt Ion: 82 Resp: 405596
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.000 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

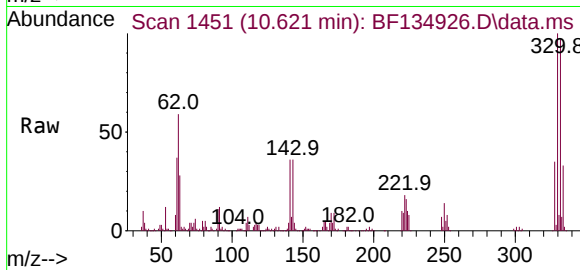
Tgt Ion: 164 Resp: 173114
Ion Ratio Lower Upper
164 100
162 102.5 82.6 123.8
160 47.4 37.0 55.4



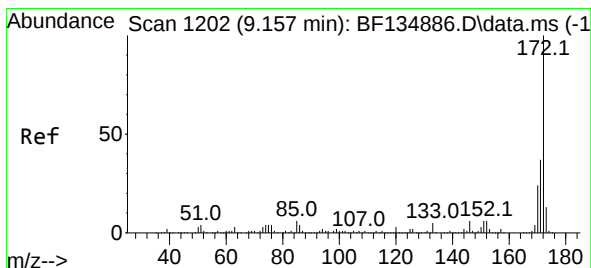
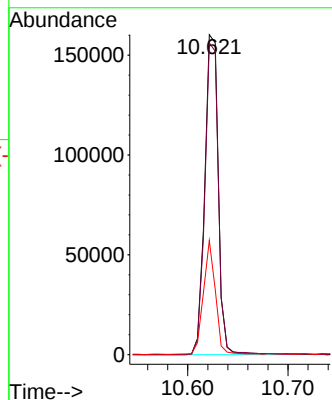
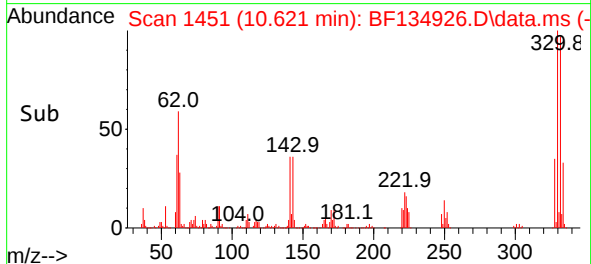


#42
 2,4,6-Tribromophenol
 Concen: 73.615 ng
 RT: 10.621 min Scan# 1451
 Delta R.T. -0.006 min
 Lab File: BF134926.D
 Acq: 24 Aug 2023 16:13

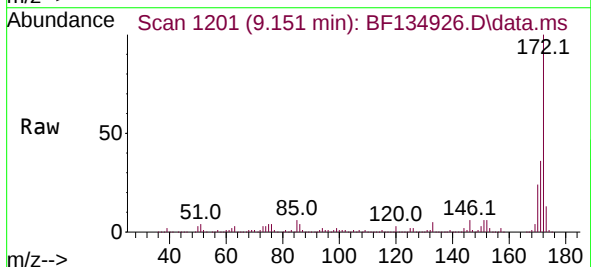
Instrument :
 BNA_F
 ClientSampleId :
 362



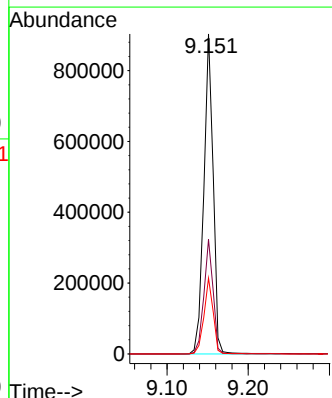
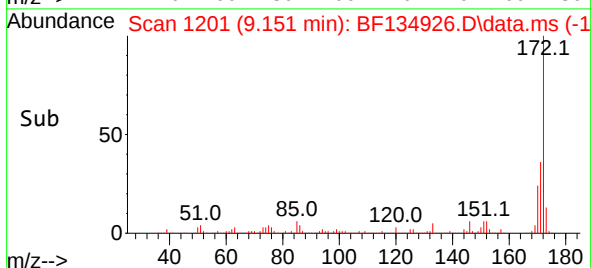
Tgt Ion:330 Resp: 150090
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.3 114.5
 141 31.4 23.4 35.2

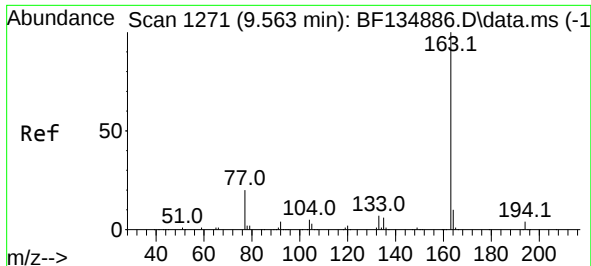


#45
 2-Fluorobiphenyl
 Concen: 64.245 ng
 RT: 9.151 min Scan# 1201
 Delta R.T. -0.006 min
 Lab File: BF134926.D
 Acq: 24 Aug 2023 16:13



Tgt Ion:172 Resp: 719431
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.4 44.0
 170 23.7 19.6 29.4





#50
Dimethylphthalate
Concen: 2.960 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.270 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

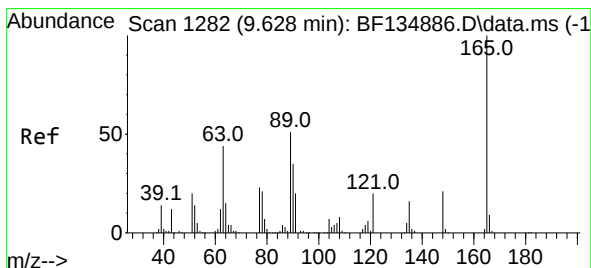
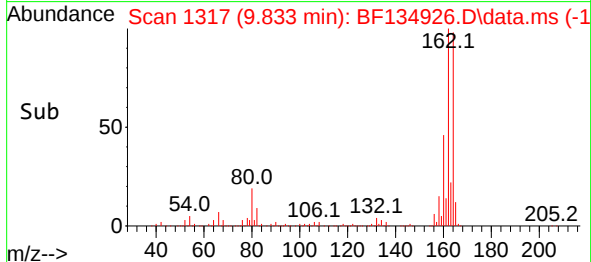
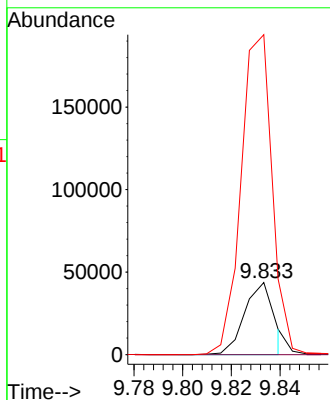
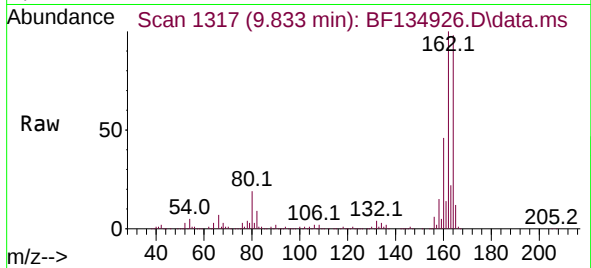
Instrument :

BNA_F

ClientSampleId :

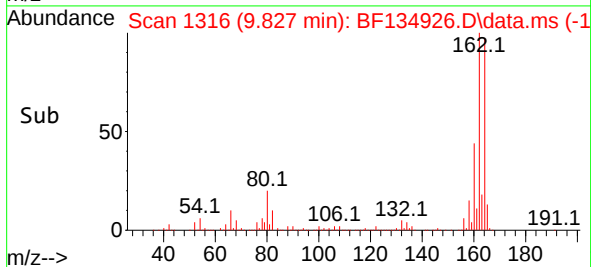
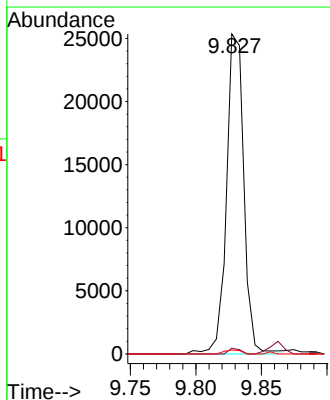
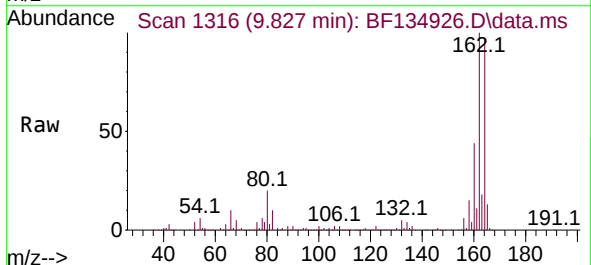
362

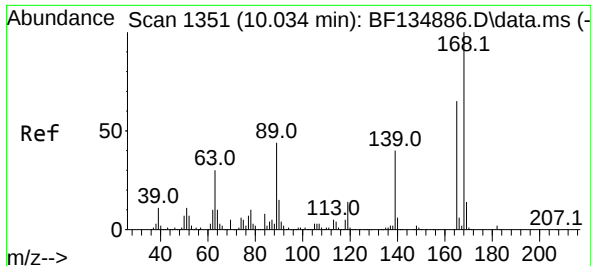
Tgt Ion:163 Resp: 36469
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 443.5 8.2 12.4#



#51
2,6-Dinitrotoluene
Concen: 8.568 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.199 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

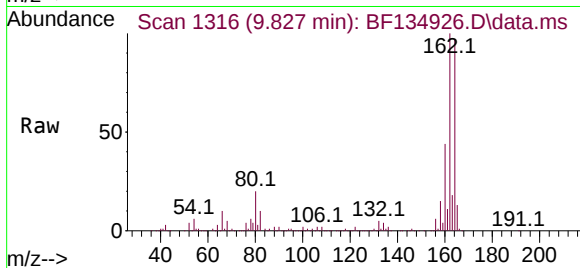
Tgt Ion:165 Resp: 23287
Ion Ratio Lower Upper
165 100
63 1.8 41.4 62.2#
89 1.2 40.9 61.3#



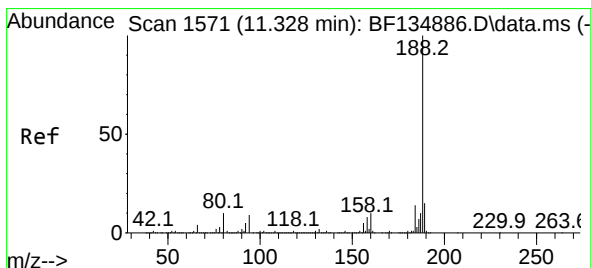
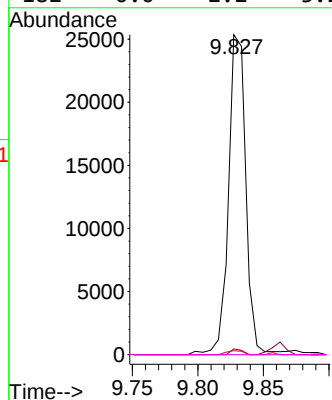
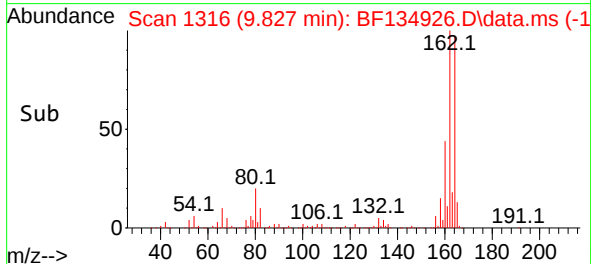


#57
2,4-Dinitrotoluene
Concen: 6.928 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.207 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

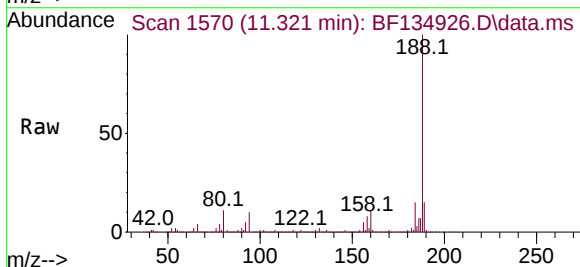
Instrument :
BNA_F
ClientSampleId :
362



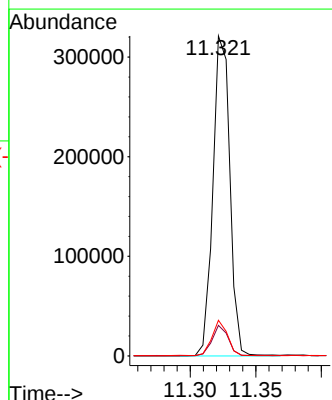
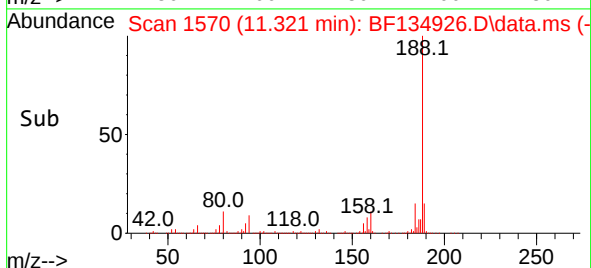
Tgt Ion:165 Resp: 23287
Ion Ratio Lower Upper
165 100
63 1.8 37.7 56.5#
89 1.2 54.2 81.4#
182 0.0 2.2 3.2#

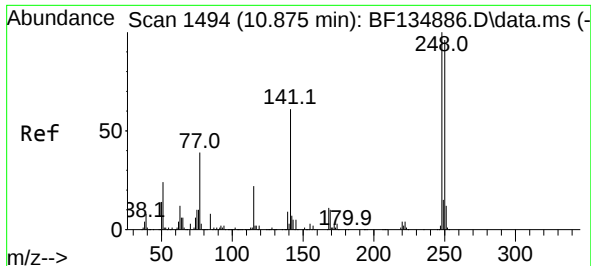


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13



Tgt Ion:188 Resp: 288522
Ion Ratio Lower Upper
188 100
94 9.5 7.5 11.3
80 11.1 7.8 11.6





#67

4-Bromophenyl-phenylether

Concen: 2.936 ng

RT: 10.621 min Scan# 14

Delta R.T. -0.254 min

Lab File: BF134926.D

Acq: 24 Aug 2023 16:13

Instrument :

BNA_F

ClientSampleId :

362

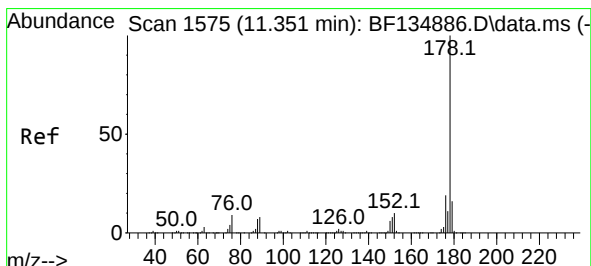
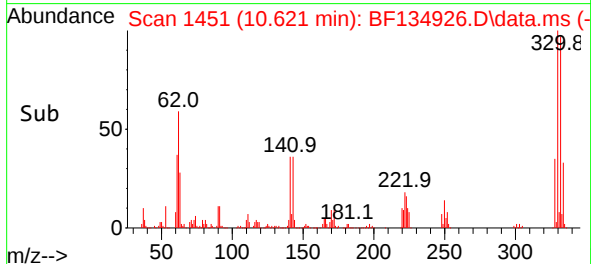
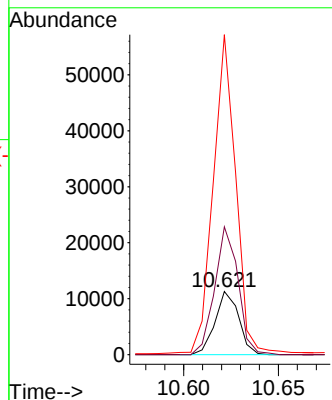
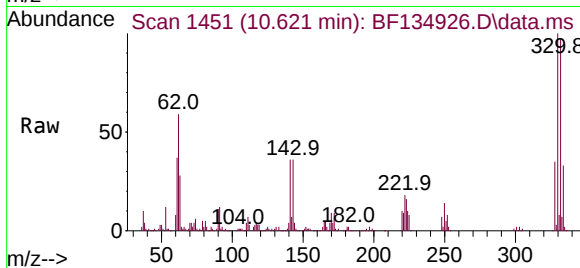
Tgt Ion:248 Resp: 9772

Ion Ratio Lower Upper

248 100

250 202.3 77.1 115.7#

141 506.8 49.0 73.4#



#71

Phenanthrene

Concen: 15.381 ng

RT: 11.345 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF134926.D

Acq: 24 Aug 2023 16:13

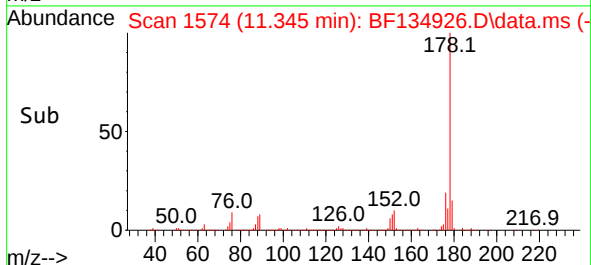
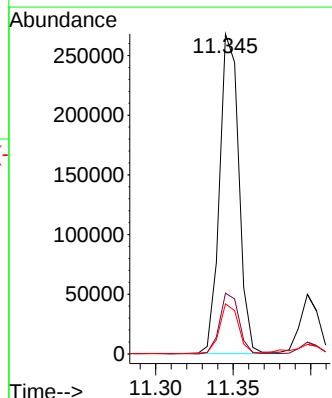
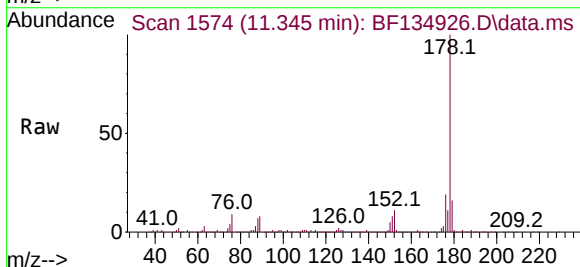
Tgt Ion:178 Resp: 232543

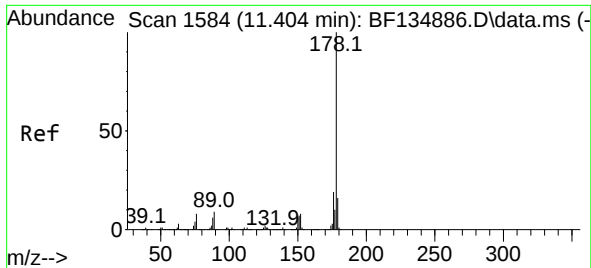
Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

179 15.6 12.6 19.0

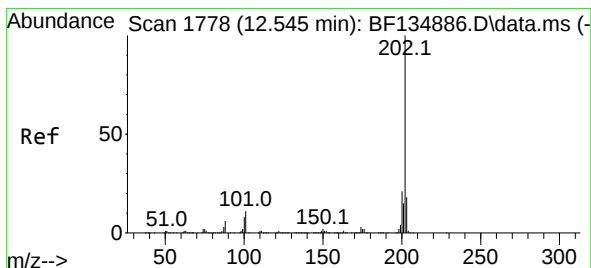
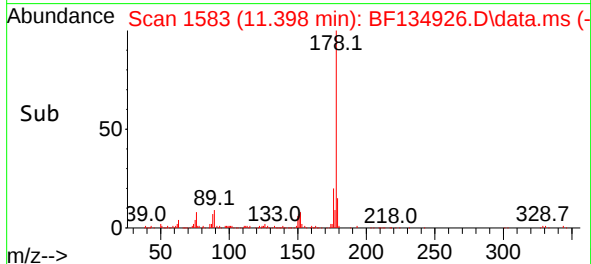
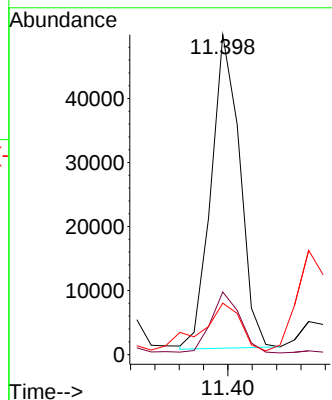
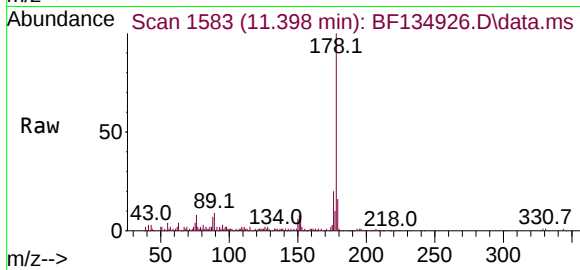




#72
 Anthracene
 Concen: 2.590 ng
 RT: 11.398 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134926.D
 Acq: 24 Aug 2023 16:13

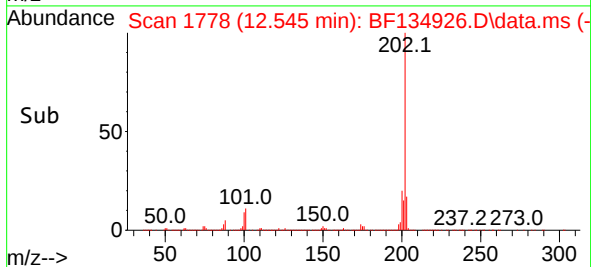
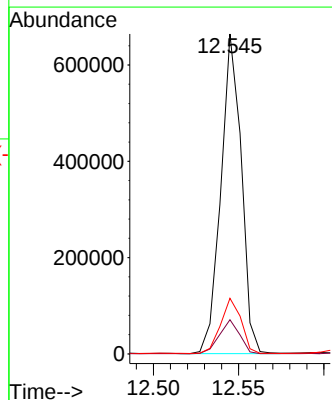
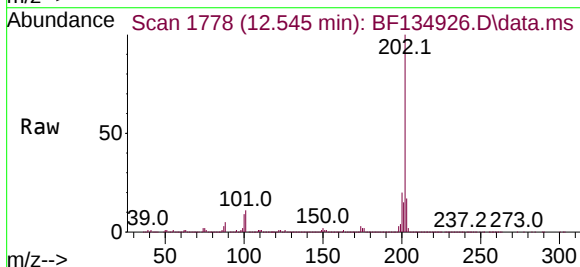
Instrument :
 BNA_F
 ClientSampleId :
 362

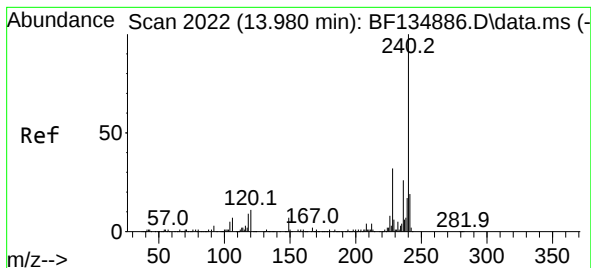
Tgt Ion:178 Resp: 40117
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.0 22.6
 179 16.1 12.5 18.7



#75
 Fluoranthene
 Concen: 38.635 ng
 RT: 12.545 min Scan# 1778
 Delta R.T. -0.000 min
 Lab File: BF134926.D
 Acq: 24 Aug 2023 16:13

Tgt Ion:202 Resp: 553468
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 30.5
 203 17.4 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF134926.D

Acq: 24 Aug 2023 16:13

Instrument :

BNA_F

ClientSampleId :

362

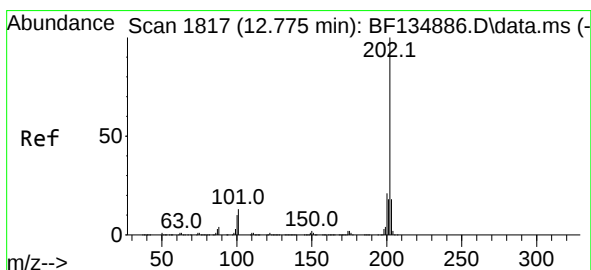
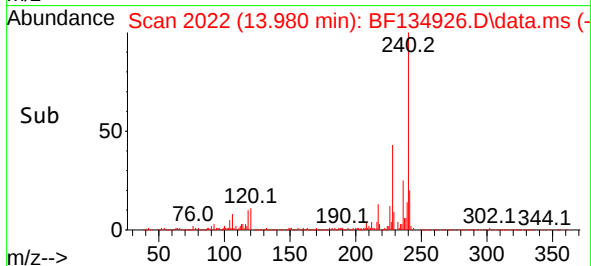
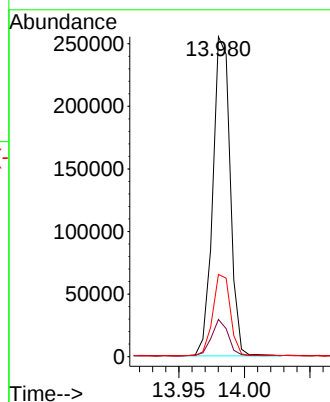
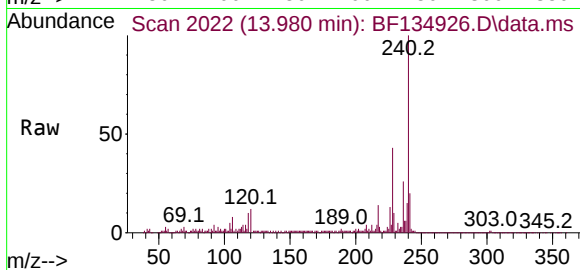
Tgt Ion:240 Resp: 234747

Ion Ratio Lower Upper

240 100

120 11.6 8.6 12.8

236 25.7 20.6 31.0



#78

Pyrene

Concen: 19.322 ng

RT: 12.774 min Scan# 1817

Delta R.T. -0.000 min

Lab File: BF134926.D

Acq: 24 Aug 2023 16:13

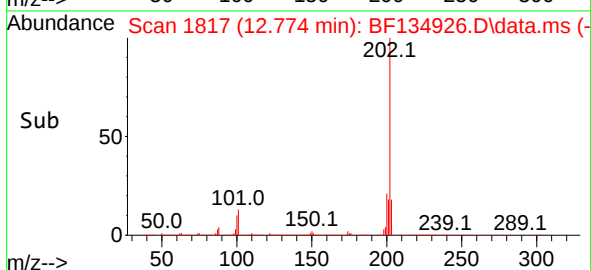
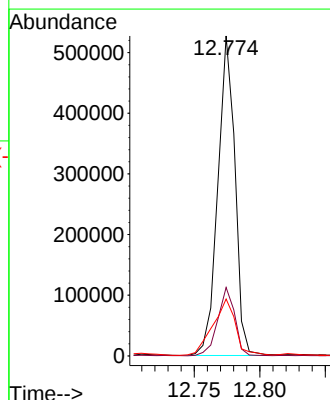
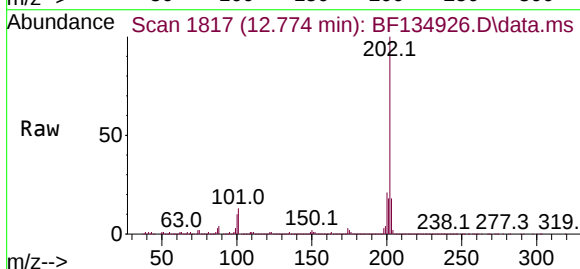
Tgt Ion:202 Resp: 480910

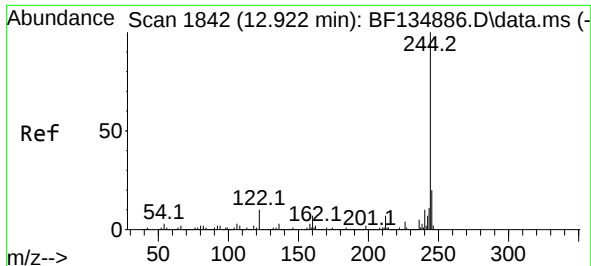
Ion Ratio Lower Upper

202 100

200 21.4 17.1 25.7

203 17.8 14.2 21.2

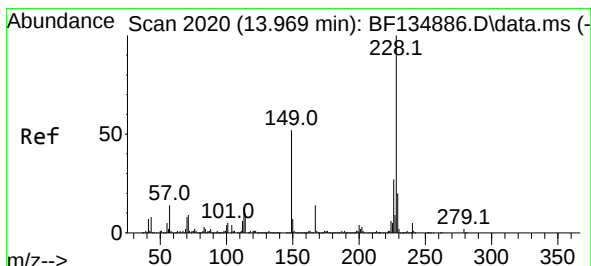
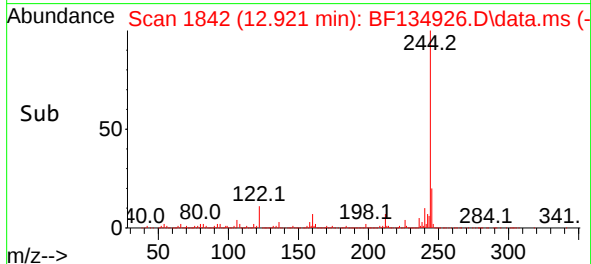
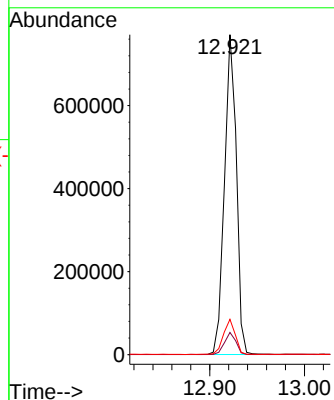
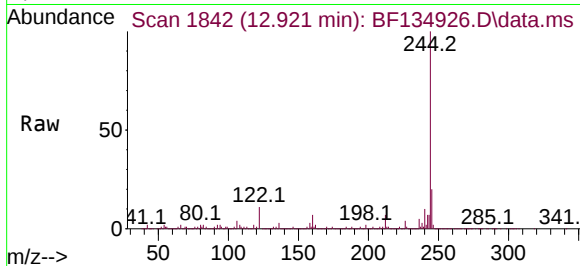




#79
 Terphenyl-d14
 Concen: 39.268 ng
 RT: 12.921 min Scan# 1842
 Delta R.T. -0.001 min
 Lab File: BF134926.D
 Acq: 24 Aug 2023 16:13

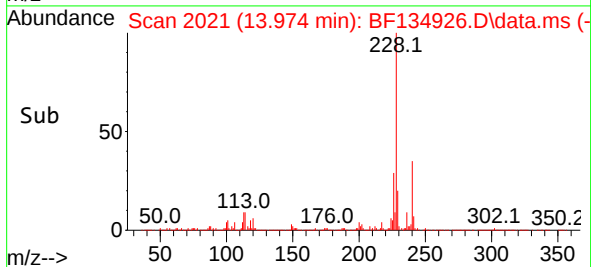
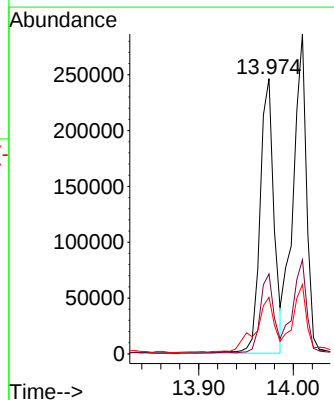
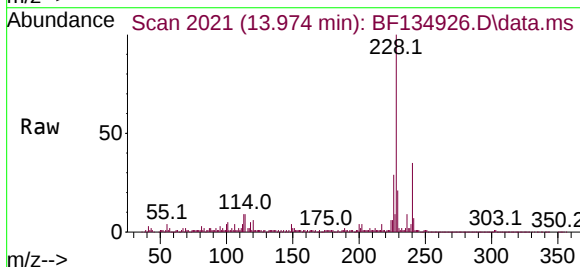
Instrument :
 BNA_F
 ClientSampleId :
 362

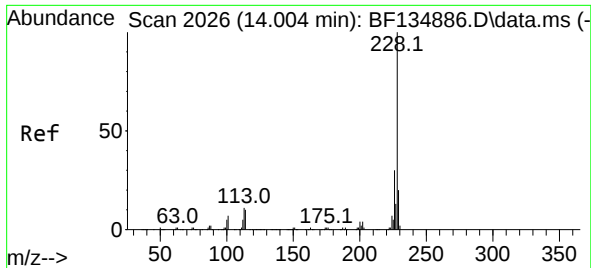
Tgt Ion:244 Resp: 670202
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.0 8.2 12.4



#81
 Benzo(a)anthracene
 Concen: 15.677 ng
 RT: 13.974 min Scan# 2021
 Delta R.T. 0.006 min
 Lab File: BF134926.D
 Acq: 24 Aug 2023 16:13

Tgt Ion:228 Resp: 251081
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.8 32.6
 229 20.5 15.6 23.4

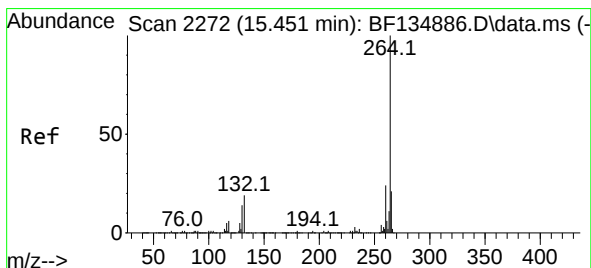
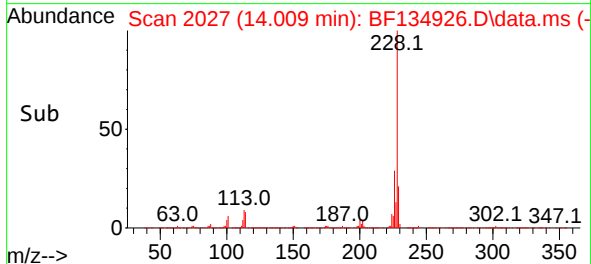
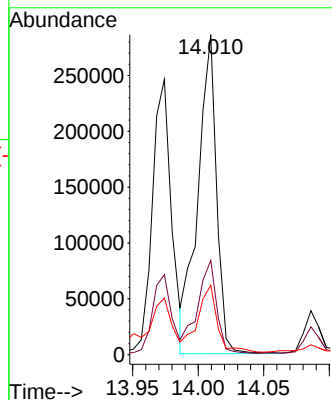
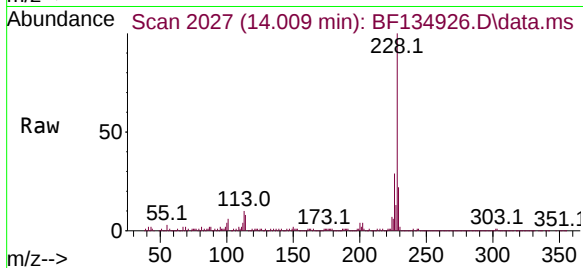




#83
Chrysene
Concen: 17.968 ng
RT: 14.009 min Scan# 20
Delta R.T. 0.005 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

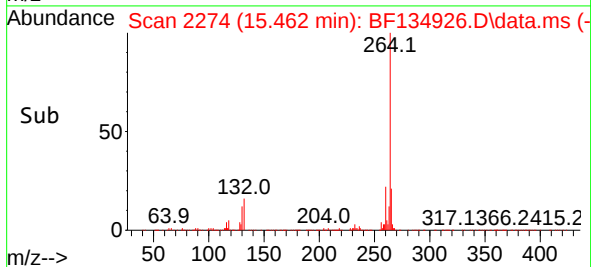
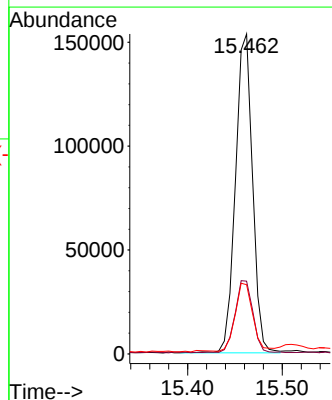
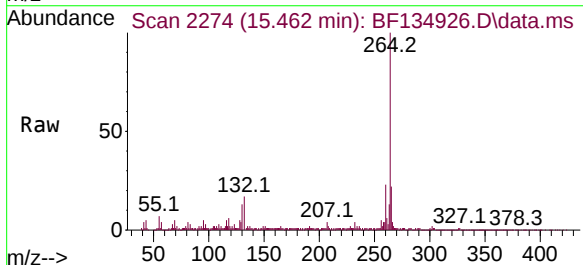
Instrument :
BNA_F
ClientSampleId :
362

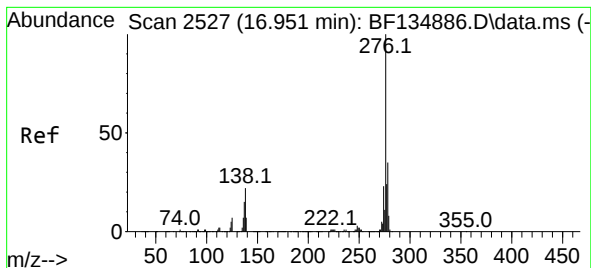
Tgt Ion:228 Resp: 283946
Ion Ratio Lower Upper
228 100
226 29.4 24.2 36.2
229 21.7 16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2274
Delta R.T. 0.012 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

Tgt Ion:264 Resp: 192143
Ion Ratio Lower Upper
264 100
260 22.7 19.0 28.6
265 21.6 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.264 ng

RT: 16.950 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF134926.D

Acq: 24 Aug 2023 16:13

Instrument :

BNA_F

ClientSampleId :

362

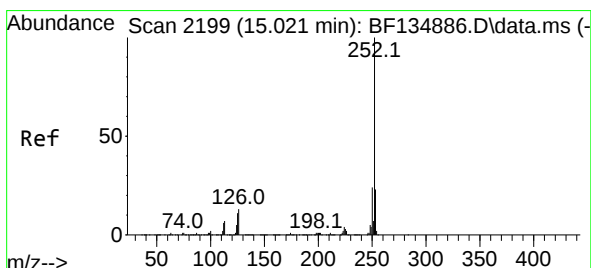
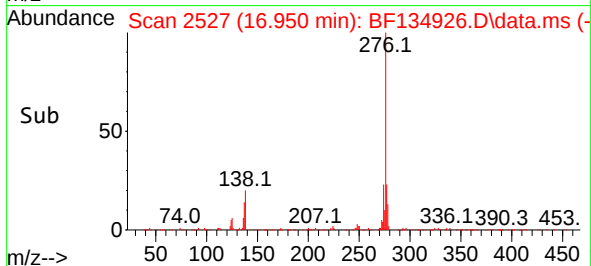
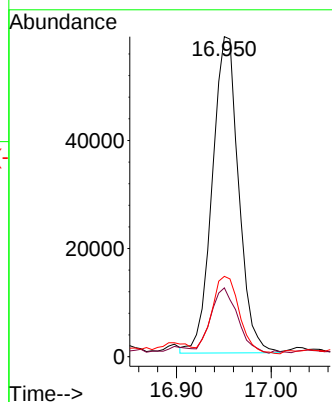
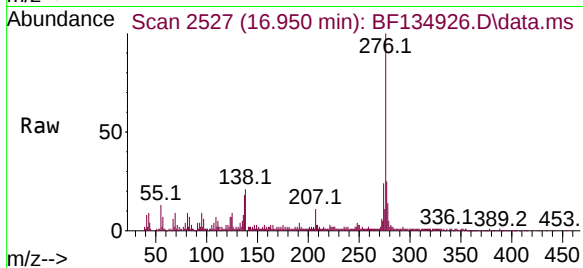
Tgt Ion:276 Resp: 113501

Ion Ratio Lower Upper

276 100

138 21.1 19.7 29.5

277 25.5 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 38.942 ng

RT: 15.027 min Scan# 2200

Delta R.T. 0.006 min

Lab File: BF134926.D

Acq: 24 Aug 2023 16:13

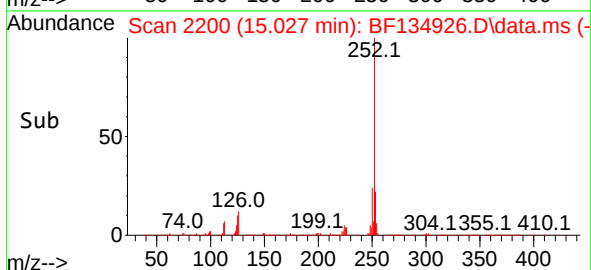
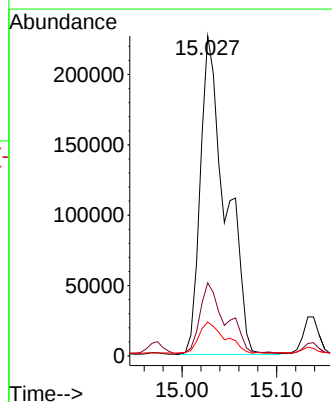
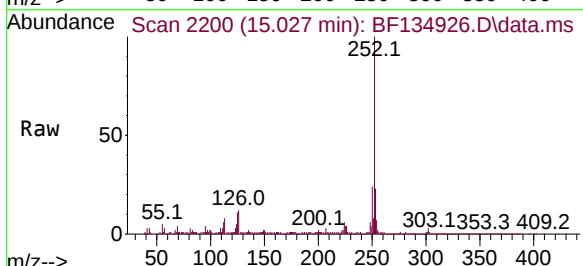
Tgt Ion:252 Resp: 422157

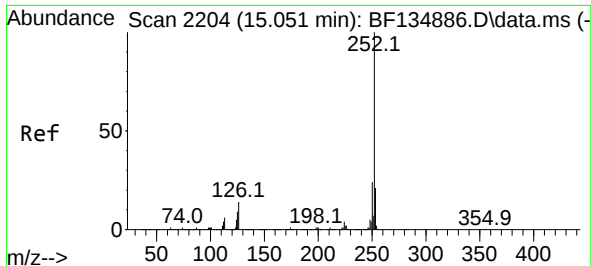
Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

125 10.6 8.4 12.6

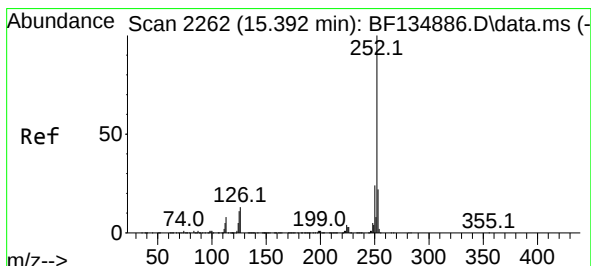
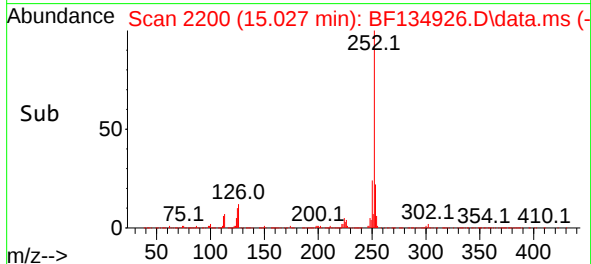
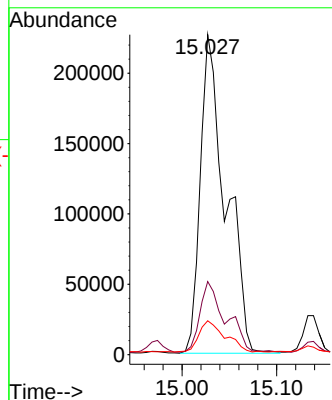
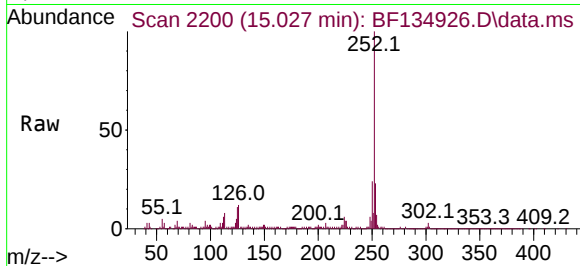




#89
Benzo(k)fluoranthene
Concen: 39.657 ng
RT: 15.027 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

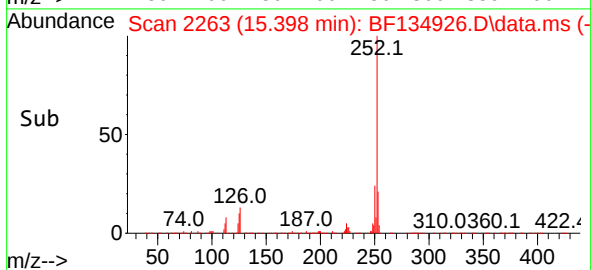
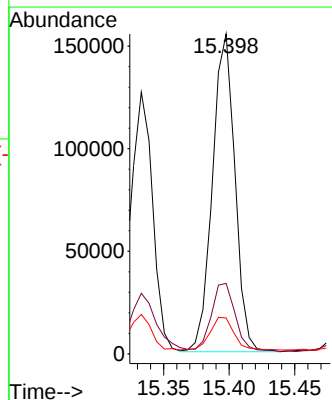
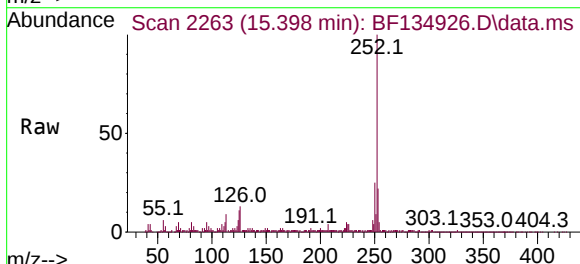
Instrument :
BNA_F
ClientSampleId :
362

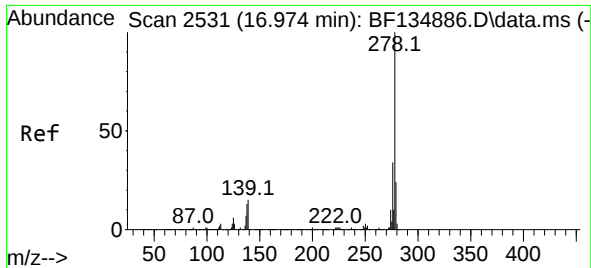
Tgt Ion:252 Resp: 422157
Ion Ratio Lower Upper
252 100
253 22.8 17.1 25.7
125 10.6 8.0 12.0



#90
Benzo(a)pyrene
Concen: 17.124 ng
RT: 15.398 min Scan# 2263
Delta R.T. 0.006 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

Tgt Ion:252 Resp: 185315
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 11.2 8.4 12.6

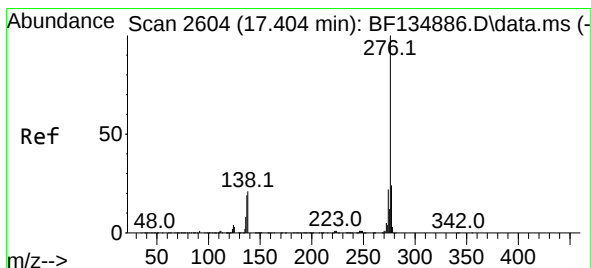
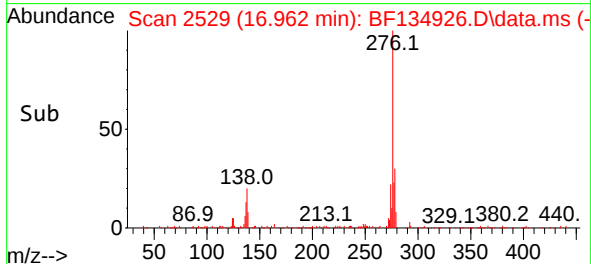
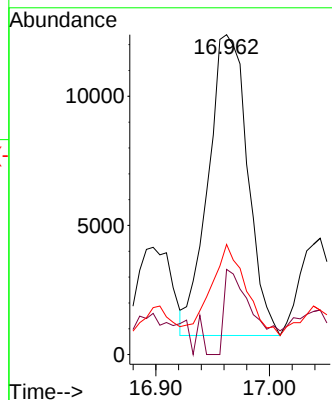
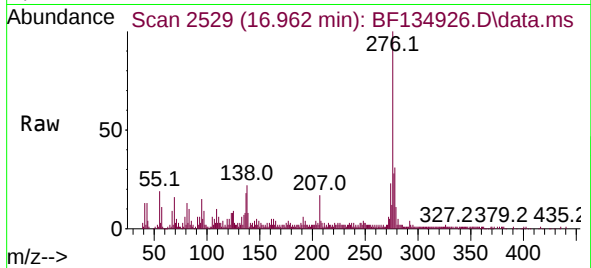




#91
Dibenzo(a,h)anthracene
Concen: 2.528 ng
RT: 16.962 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

Instrument :
BNA_F
ClientSampleId :
362

Tgt Ion:278 Resp: 28092
Ion Ratio Lower Upper
278 100
139 26.6 12.2 18.4#
279 34.4 19.1 28.7#



#92
Benzo(g,h,i)perylene
Concen: 9.847 ng
RT: 17.409 min Scan# 2605
Delta R.T. 0.006 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

Tgt Ion:276 Resp: 112017
Ion Ratio Lower Upper
276 100
277 23.7 19.2 28.8
138 21.2 17.0 25.6

