

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139434.D
 Acq On : 18 Sep 2024 19:18
 Operator : RC/JU
 Sample : P4015-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-2-TANK17

Quant Time: Sep 19 01:28:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

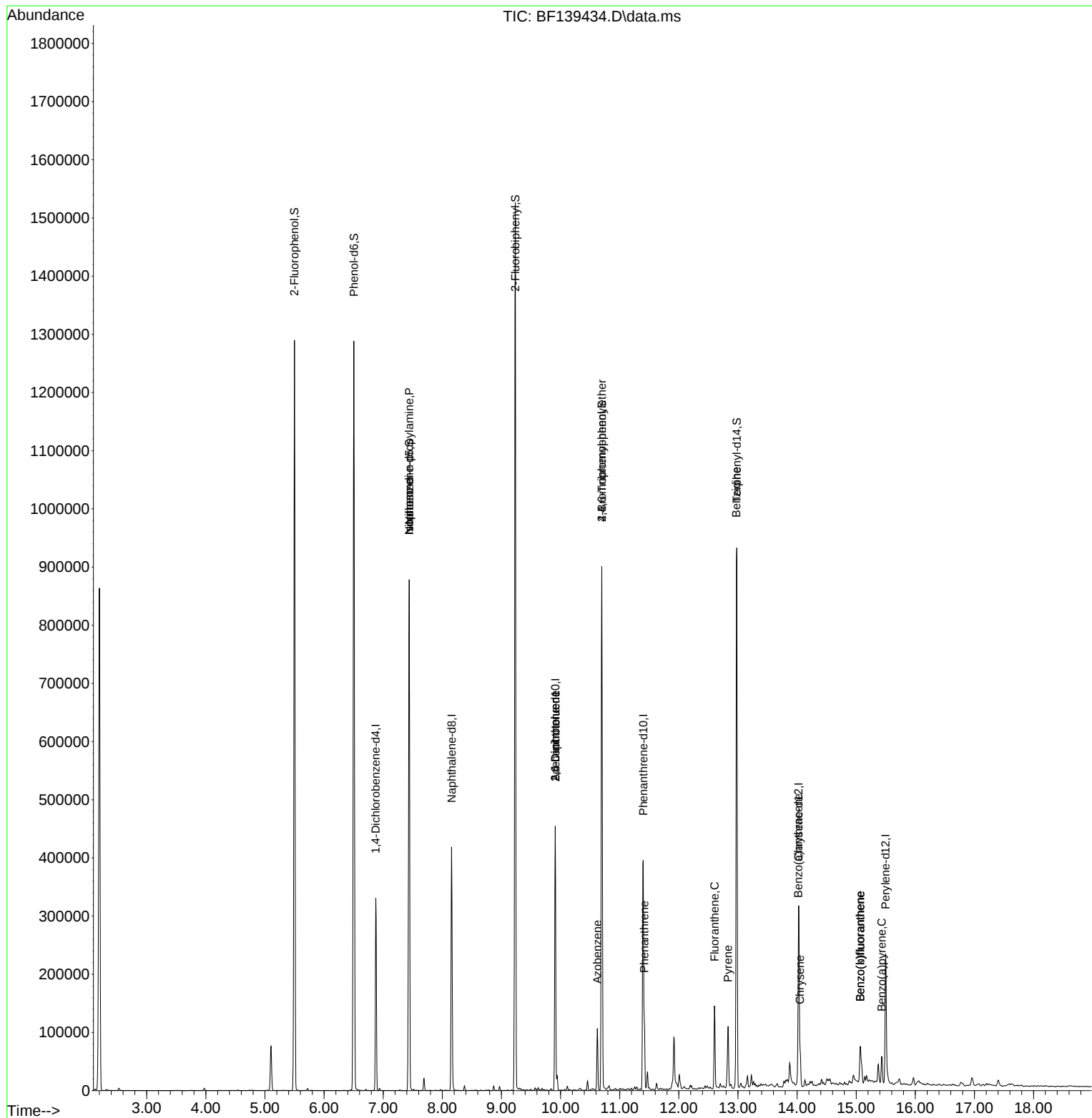
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	62898	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	235737	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	128038	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	208556	20.000	ng	0.00
76) Chrysene-d12	14.027	240	117824	20.000	ng	0.00
86) Perylene-d12	15.498	264	129892	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	415723	107.823	ng	0.00
7) Phenol-d6	6.504	99	551679	109.012	ng	0.00
23) Nitrobenzene-d5	7.439	82	367550	73.298	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	131995	96.833	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	638884	69.983	ng	0.00
79) Terphenyl-d14	12.980	244	445503	62.062	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	51361	17.127	ng	# 76
25) Isophorone	7.439	82	366318	46.192	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	16280	8.745	ng	# 15
57) 2,4-Dinitrotoluene	9.910	165	16280	6.477	ng	# 16
63) Azobenzene	10.622	77	26076	3.057	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	9172	4.438	ng	# 1
71) Phenanthrene	11.416	178	57869	5.751	ng	98
75) Fluoranthene	12.604	202	80777	7.517	ng	99
77) Benzidine	12.974	184	6570	3.892	ng	# 92
78) Pyrene	12.833	202	61650	6.094	ng	98
81) Benzo(a)anthracene	14.021	228	39012	4.999	ng	97
83) Chrysene	14.051	228	26917	3.749	ng	95
88) Benzo(b)fluoranthene	15.068	252	55127	6.881	ng	# 98
89) Benzo(k)fluoranthene	15.068	252	55127	7.463	ng	# 97
90) Benzo(a)pyrene	15.433	252	27616	4.157	ng	95

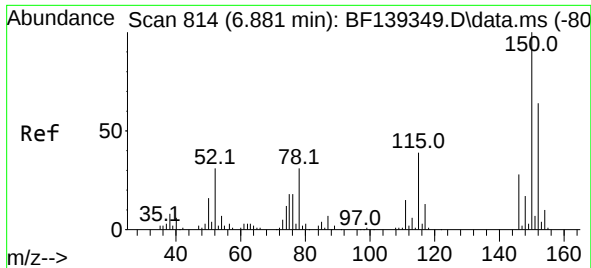
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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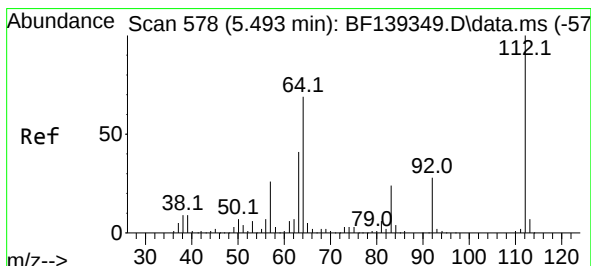
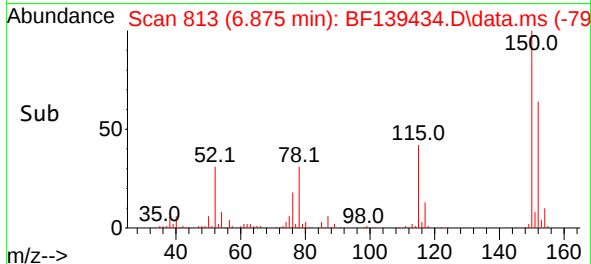
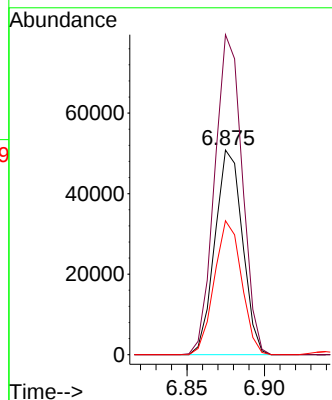
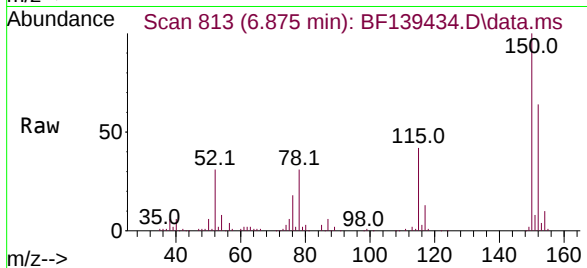




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139434.D
Acq: 18 Sep 2024 19:18

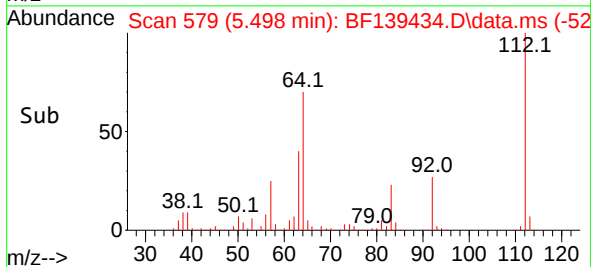
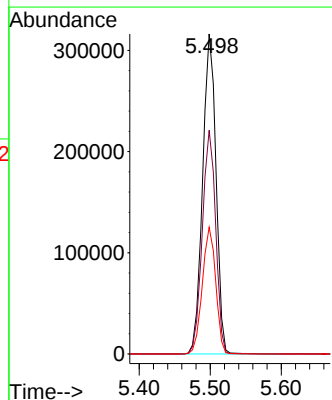
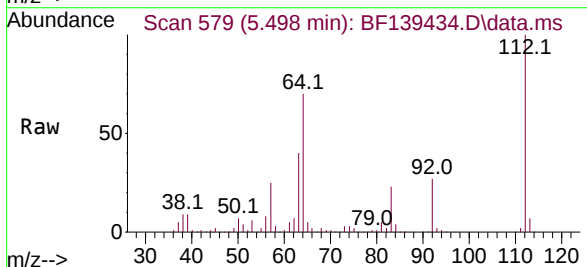
Instrument :
BNA_F
ClientSampleId :
B-2-TANK17

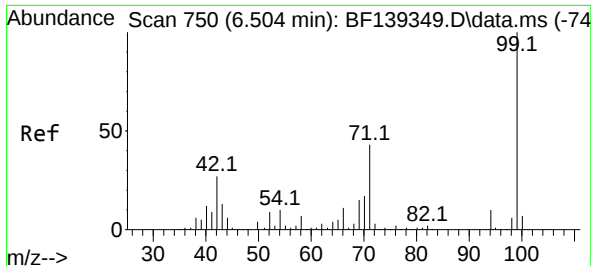
Tgt Ion:152 Resp: 62898
Ion Ratio Lower Upper
152 100
150 156.4 124.1 186.1
115 65.5 48.1 72.1



#5
2-Fluorophenol
Concen: 107.823 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.005 min
Lab File: BF139434.D
Acq: 18 Sep 2024 19:18

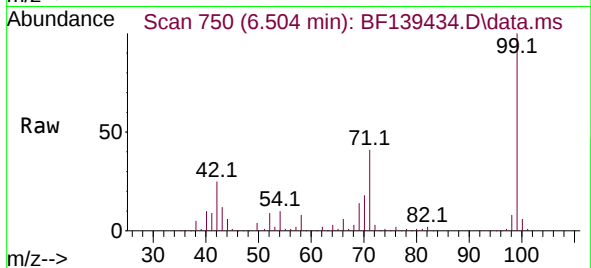
Tgt Ion:112 Resp: 415723
Ion Ratio Lower Upper
112 100
64 69.9 54.8 82.2
63 39.6 33.0 49.4



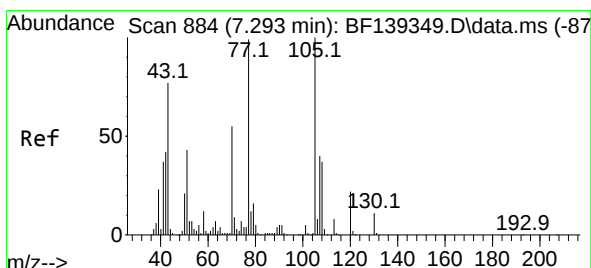
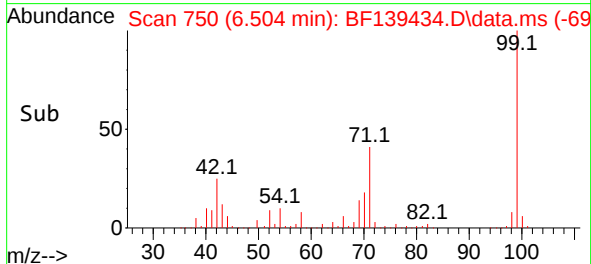
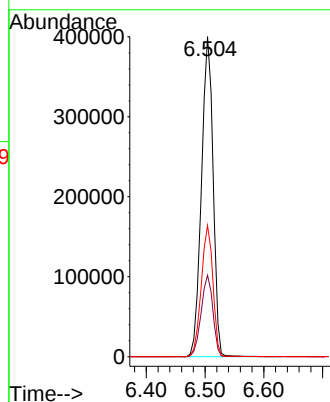


#7
Phenol-d6
Concen: 109.012 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139434.D
Acq: 18 Sep 2024 19:18

Instrument :
BNA_F
ClientSampleId :
B-2-TANK17

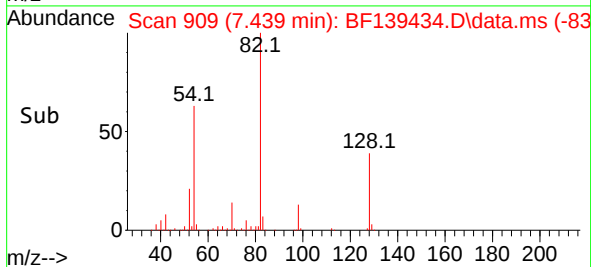
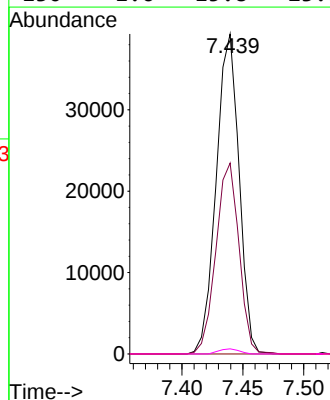
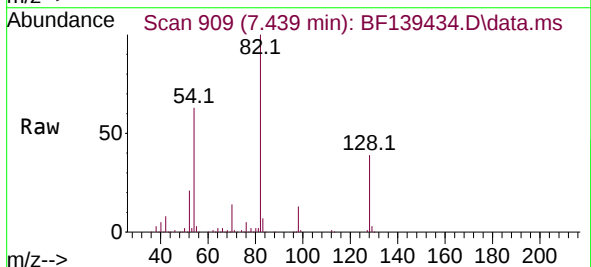


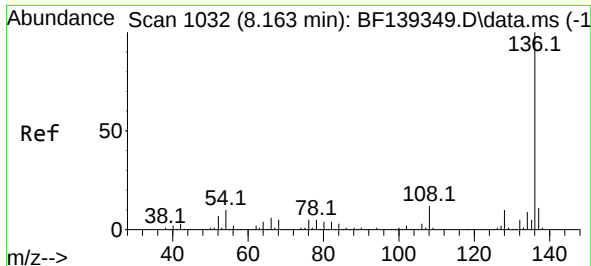
Tgt Ion:	99	Resp:	551679
Ion	Ratio	Lower	Upper
99	100		
42	25.4	21.9	32.9
71	41.0	34.6	52.0



#19
n-Nitroso-di-n-propylamine
Concen: 17.127 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF139434.D
Acq: 18 Sep 2024 19:18

Tgt Ion:	70	Resp:	51361
Ion	Ratio	Lower	Upper
70	100		
42	59.7	61.2	91.8#
101	0.0	7.5	11.3#
130	1.6	15.8	23.8#



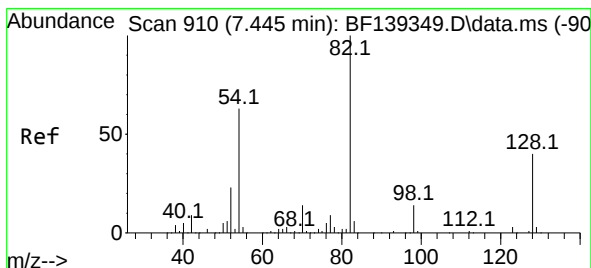
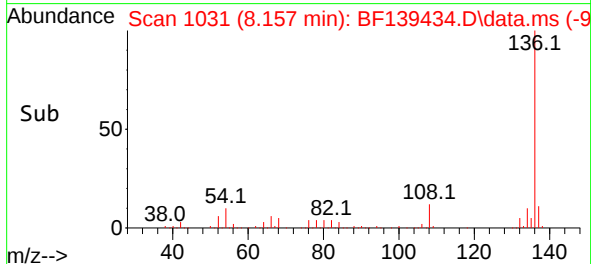
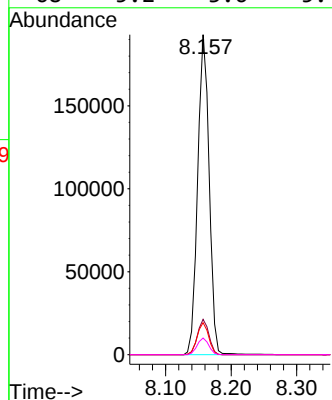
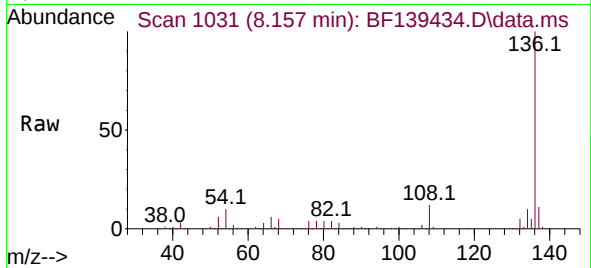


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139434.D
Acq: 18 Sep 2024 19:18

Instrument :
BNA_F
ClientSampleId :
B-2-TANK17

Tgt Ion:136 Resp: 235737

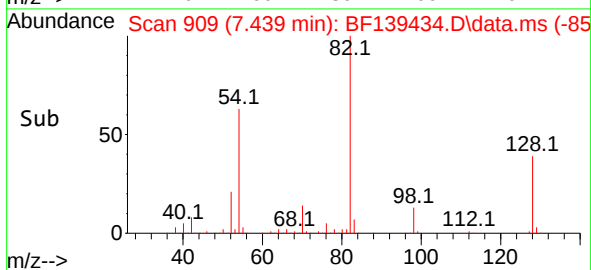
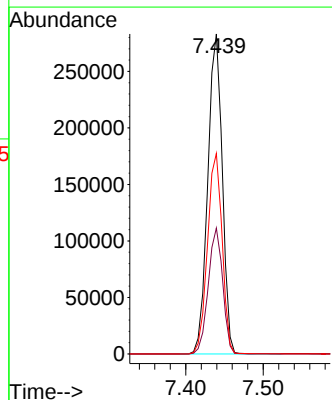
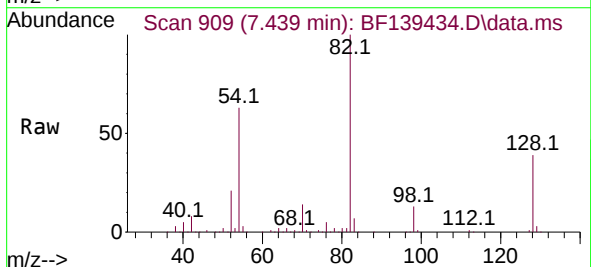
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	10.0	7.8	11.8
68	5.2	3.6	5.4

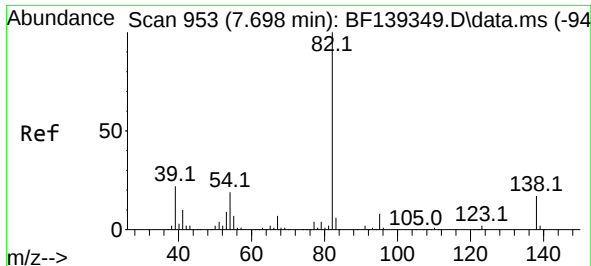


#23
Nitrobenzene-d5
Concen: 73.298 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139434.D
Acq: 18 Sep 2024 19:18

Tgt Ion: 82 Resp: 367550

Ion	Ratio	Lower	Upper
82	100		
128	39.3	31.8	47.6
54	62.7	50.6	75.8

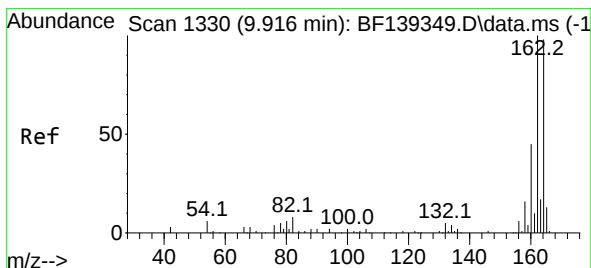
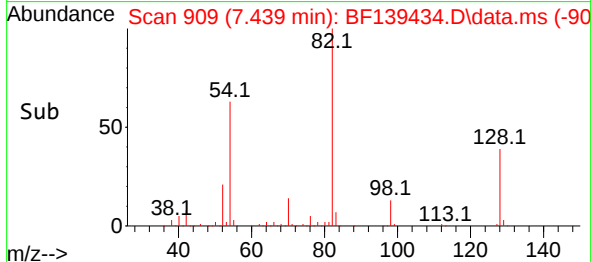
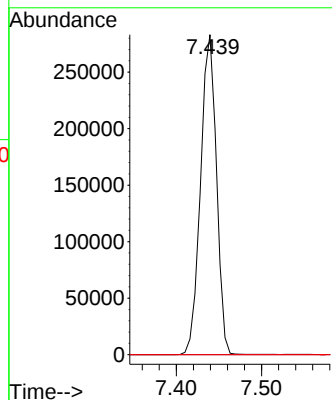
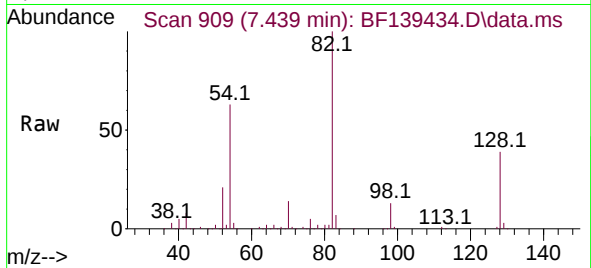




#25
Isophorone
Concen: 46.192 ng
RT: 7.439 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF139434.D
Acq: 18 Sep 2024 19:18

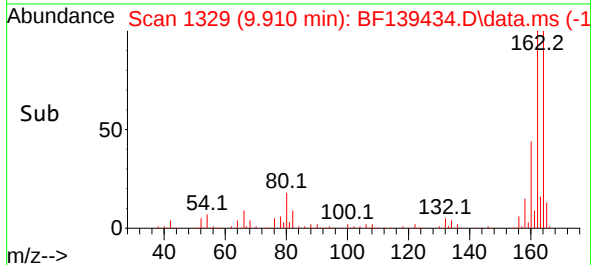
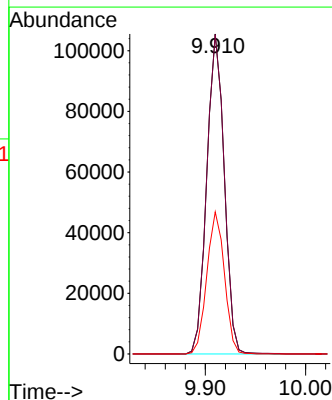
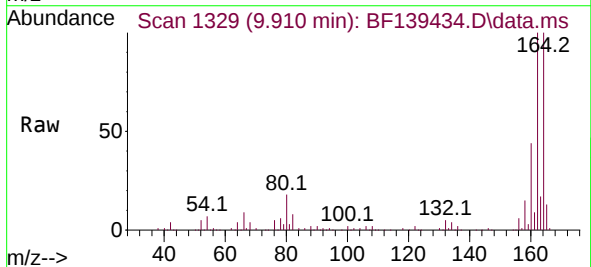
Instrument :
BNA_F
ClientSampleId :
B-2-TANK17

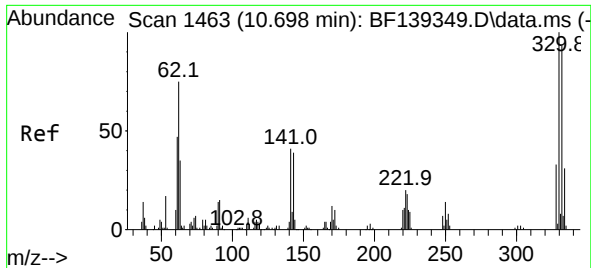
Tgt Ion: 82 Resp: 366318
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139434.D
Acq: 18 Sep 2024 19:18

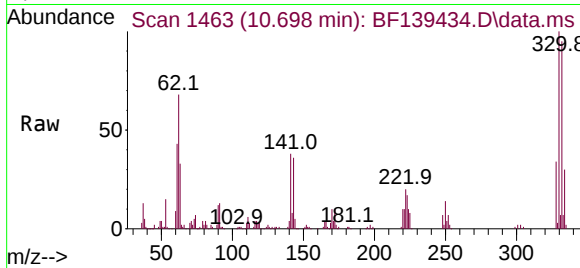
Tgt Ion: 164 Resp: 128038
Ion Ratio Lower Upper
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162 99.8 81.3 121.9
160 44.4 36.4 54.6



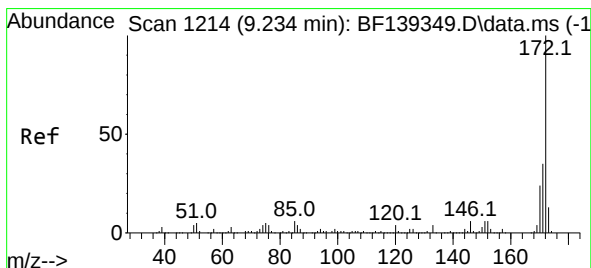
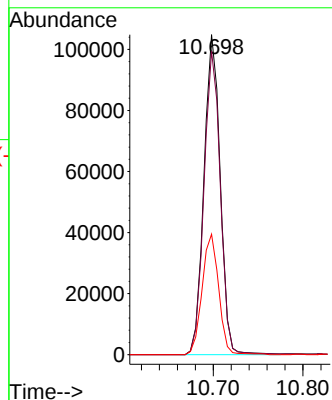
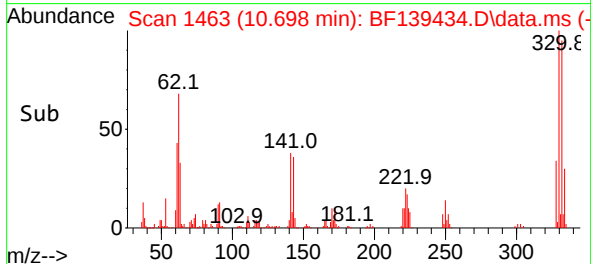


#42
2,4,6-Tribromophenol
Concen: 96.833 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139434.D
Acq: 18 Sep 2024 19:18

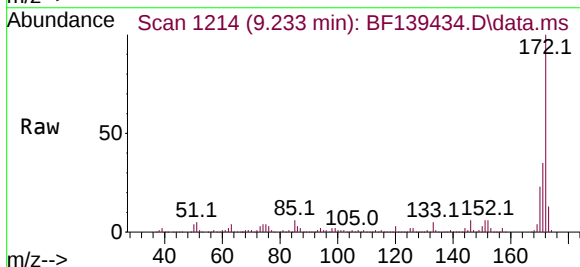
Instrument :
BNA_F
ClientSampleId :
B-2-TANK17



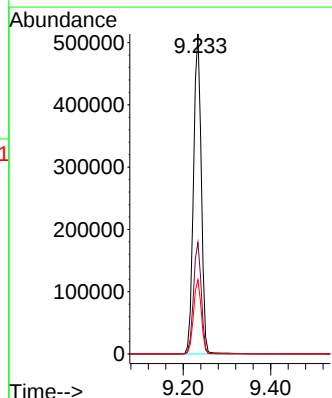
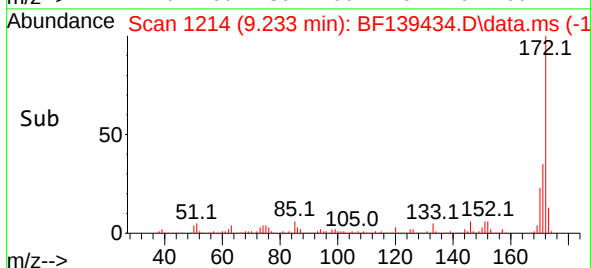
Tgt Ion:330 Resp: 131995
Ion Ratio Lower Upper
330 100
332 95.5 75.2 112.8
141 38.3 31.2 46.8

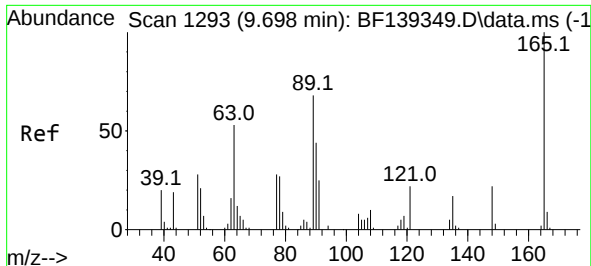


#45
2-Fluorobiphenyl
Concen: 69.983 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139434.D
Acq: 18 Sep 2024 19:18



Tgt Ion:172 Resp: 638884
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 23.2 19.0 28.6

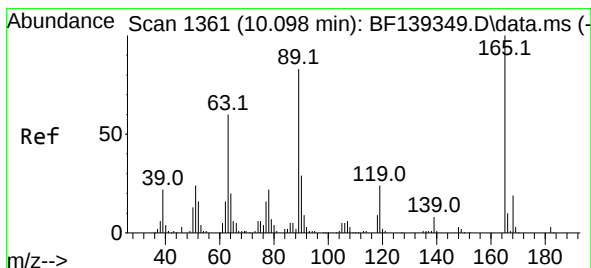
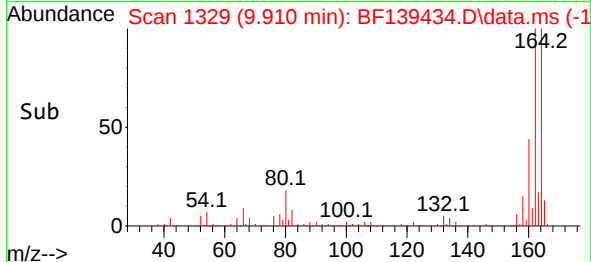
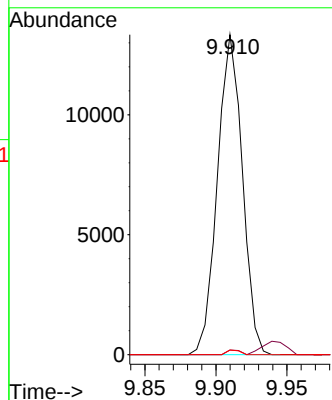
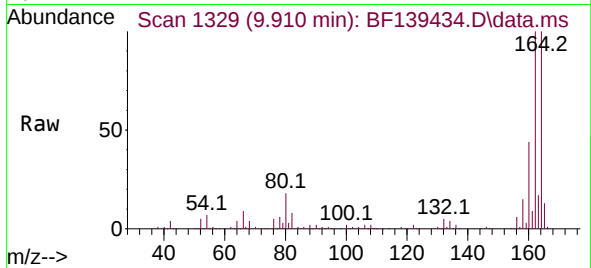




#51
2,6-Dinitrotoluene
Concen: 8.745 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF139434.D
Acq: 18 Sep 2024 19:18

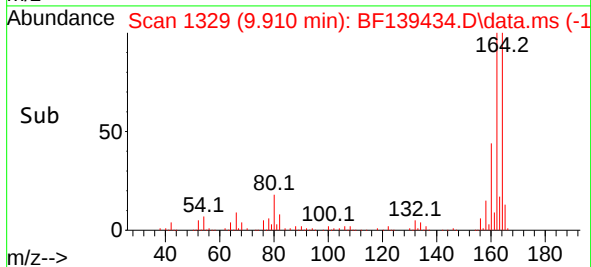
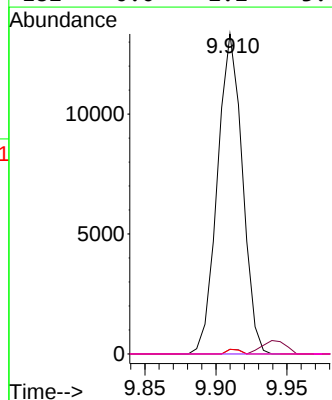
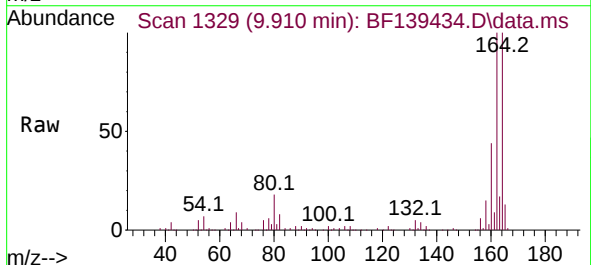
Instrument :
BNA_F
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B-2-TANK17

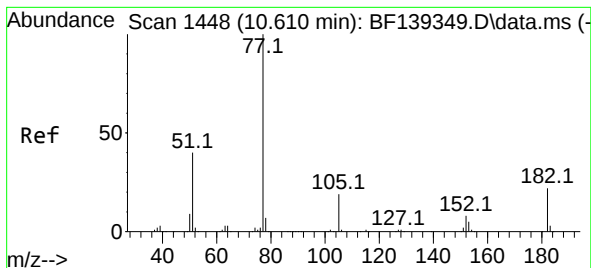
Tgt Ion:165 Resp: 16280
Ion Ratio Lower Upper
165 100
63 1.4 60.9 91.3#
89 1.4 54.7 82.1#



#57
2,4-Dinitrotoluene
Concen: 6.477 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF139434.D
Acq: 18 Sep 2024 19:18

Tgt Ion:165 Resp: 16280
Ion Ratio Lower Upper
165 100
63 1.4 47.8 71.6#
89 1.4 66.7 100.1#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 3.057 ng

RT: 10.622 min Scan# 1448

Delta R.T. 0.012 min

Lab File: BF139434.D

Acq: 18 Sep 2024 19:18

Instrument :

BNA_F

ClientSampleId :

B-2-TANK17

Tgt Ion: 77 Resp: 26076

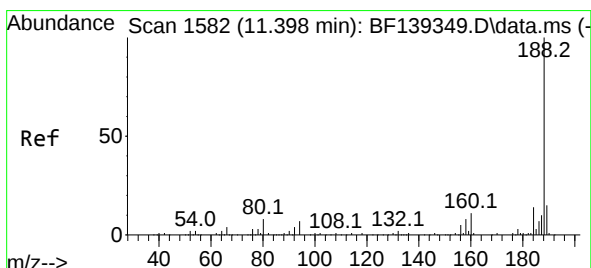
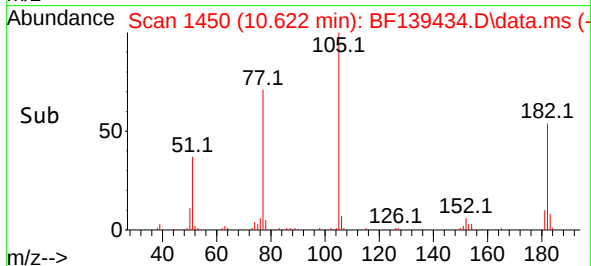
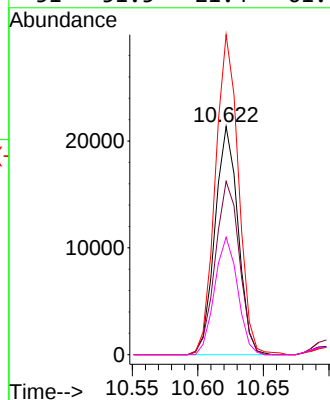
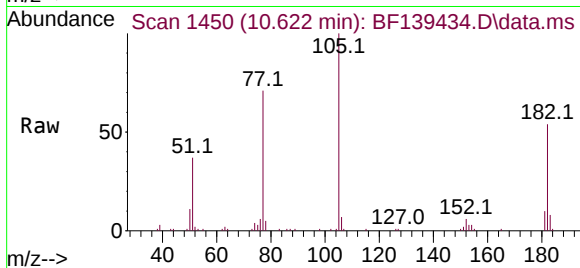
Ion Ratio Lower Upper

77 100

182 76.0 1.8 41.8#

105 140.3 0.0 38.6#

51 51.5 21.4 61.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.000 min

Lab File: BF139434.D

Acq: 18 Sep 2024 19:18

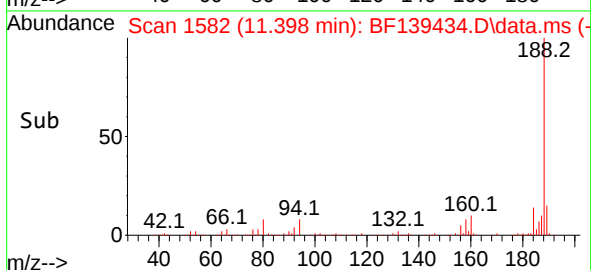
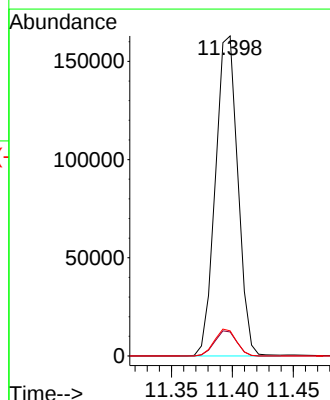
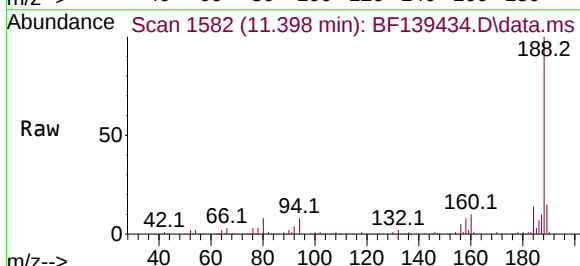
Tgt Ion: 188 Resp: 208556

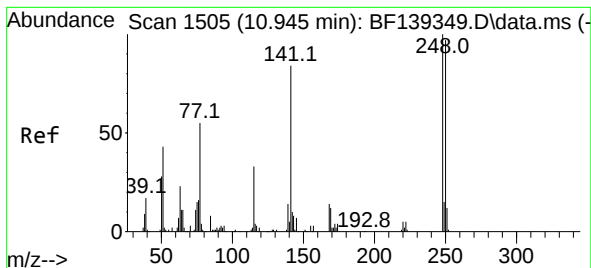
Ion Ratio Lower Upper

188 100

94 7.5 5.5 8.3

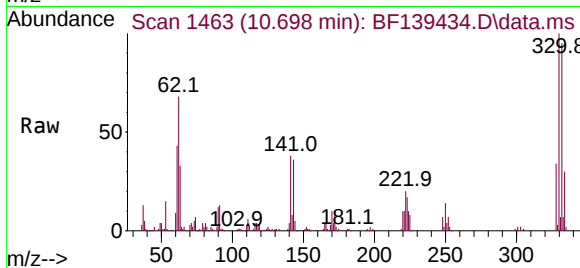
80 7.9 6.6 9.8



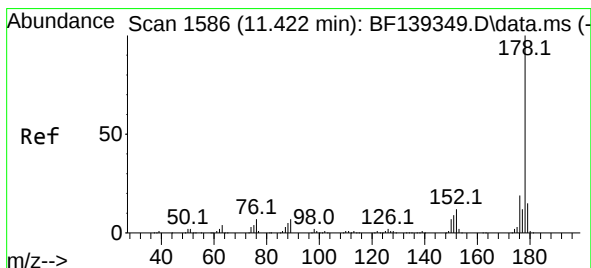
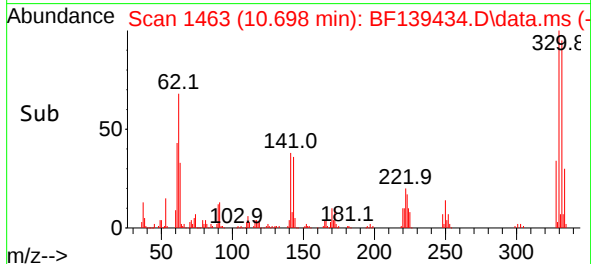
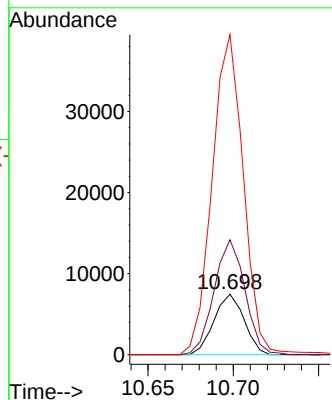


#67
4-Bromophenyl-phenylether
Concen: 4.438 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF139434.D
Acq: 18 Sep 2024 19:18

Instrument :
BNA_F
ClientSampleId :
B-2-TANK17

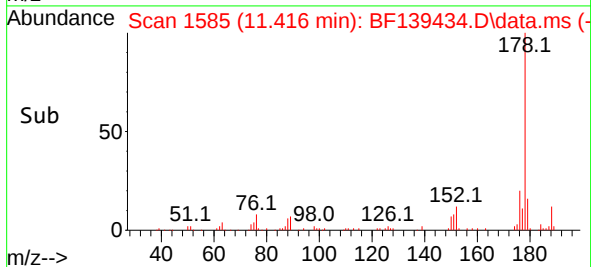
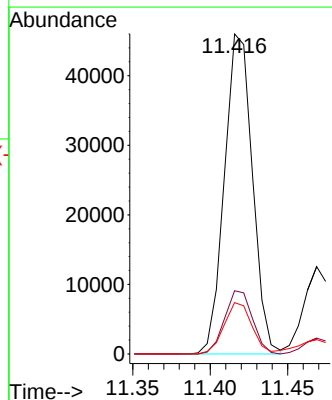
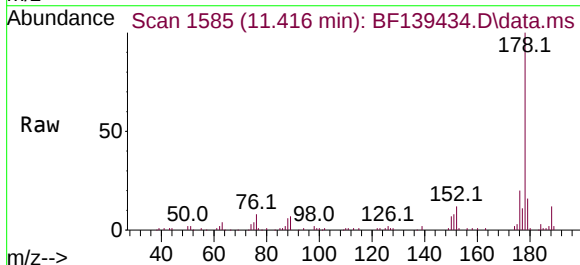


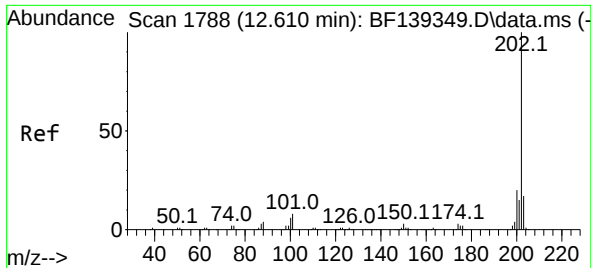
Tgt Ion:248 Resp: 9172
Ion Ratio Lower Upper
248 100
250 189.8 77.6 116.4#
141 528.8 66.9 100.3#



#71
Phenanthrene
Concen: 5.751 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139434.D
Acq: 18 Sep 2024 19:18

Tgt Ion:178 Resp: 57869
Ion Ratio Lower Upper
178 100
176 19.7 15.2 22.8
179 16.0 12.2 18.4

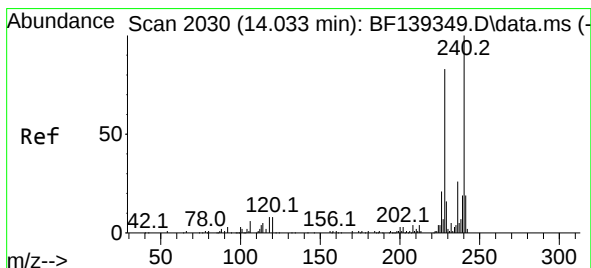
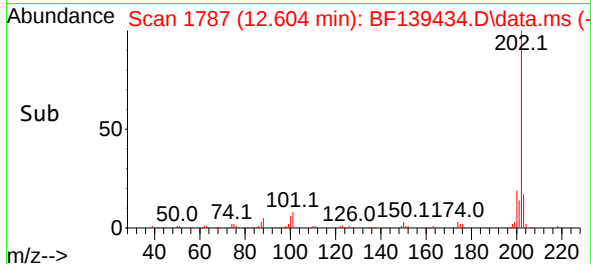
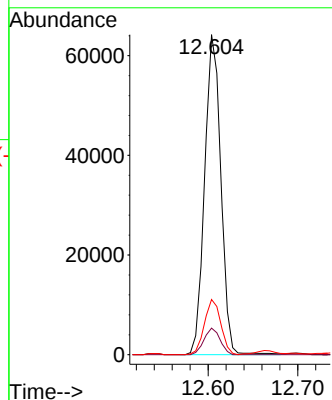
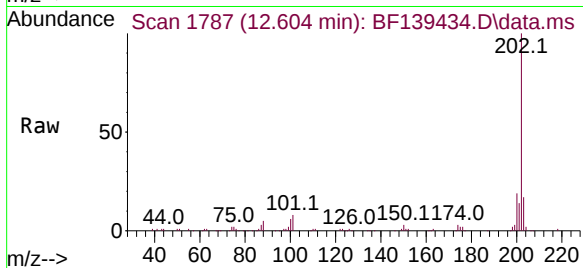




#75
Fluoranthene
Concen: 7.517 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139434.D
Acq: 18 Sep 2024 19:18

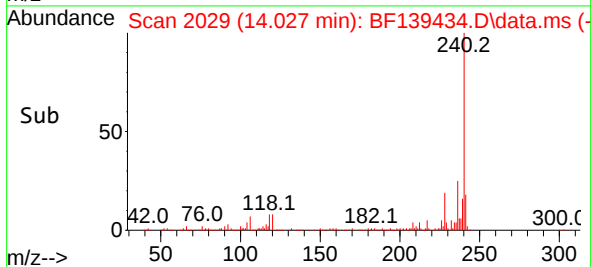
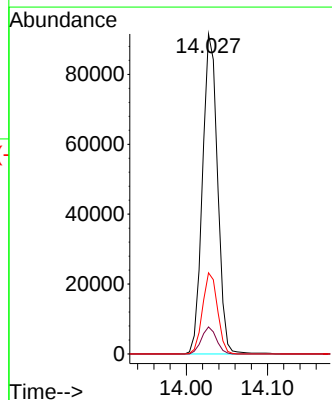
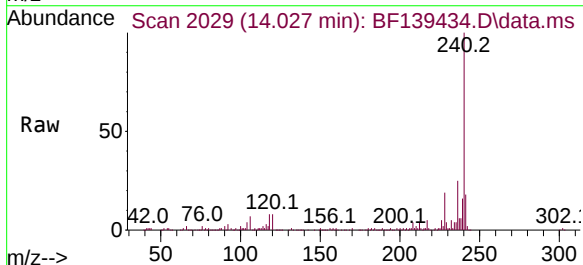
Instrument :
BNA_F
ClientSampleId :
B-2-TANK17

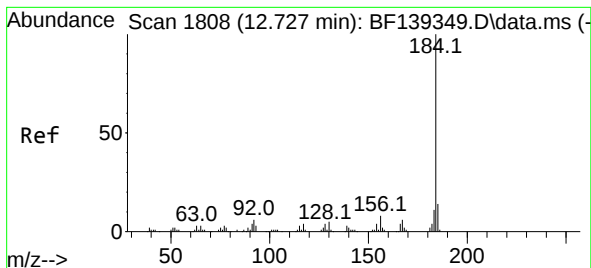
Tgt Ion:202 Resp: 80777
Ion Ratio Lower Upper
202 100
101 8.3 0.0 27.7
203 17.2 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139434.D
Acq: 18 Sep 2024 19:18

Tgt Ion:240 Resp: 117824
Ion Ratio Lower Upper
240 100
120 8.4 6.2 9.2
236 25.4 20.9 31.3





#77

Benzidine

Concen: 3.892 ng

RT: 12.974 min Scan# 1850

Delta R.T. 0.247 min

Lab File: BF139434.D

Acq: 18 Sep 2024 19:18

Instrument :

BNA_F

ClientSampleId :

B-2-TANK17

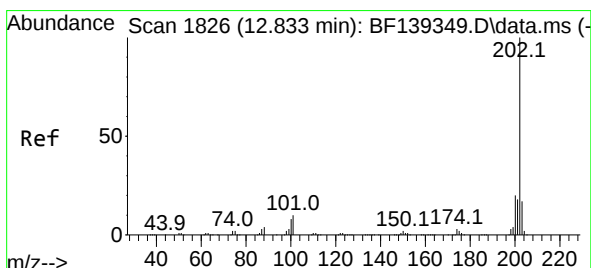
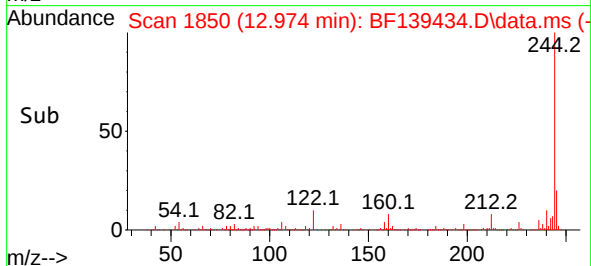
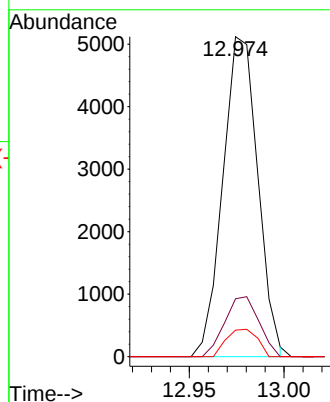
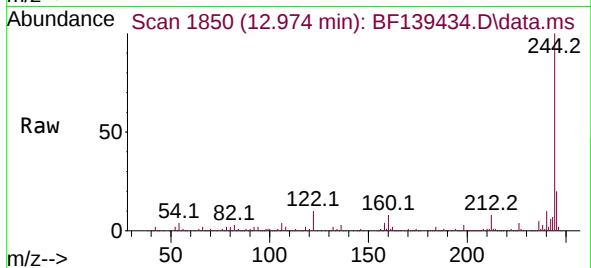
Tgt Ion:184 Resp: 6570

Ion Ratio Lower Upper

184 100

185 18.1 11.5 17.3#

183 8.3 8.9 13.3#



#78

Pyrene

Concen: 6.094 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF139434.D

Acq: 18 Sep 2024 19:18

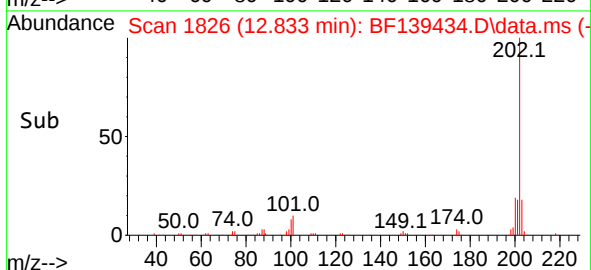
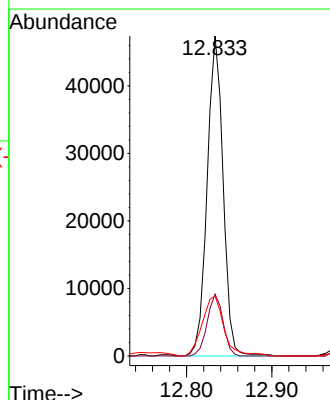
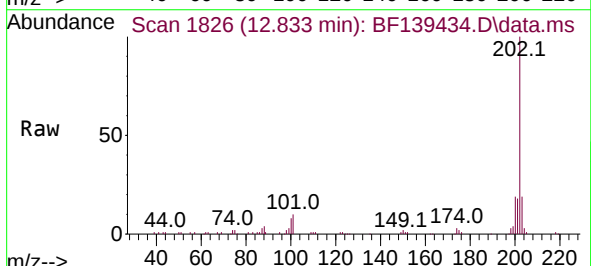
Tgt Ion:202 Resp: 61650

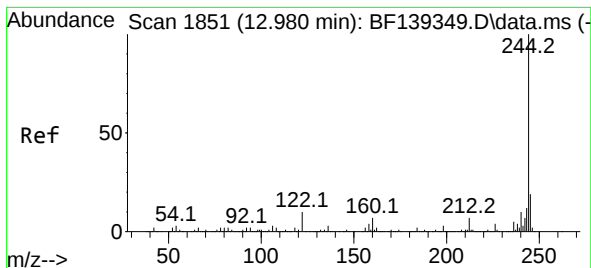
Ion Ratio Lower Upper

202 100

200 19.3 16.2 24.2

203 18.8 13.9 20.9





#79

Terphenyl-d14

Concen: 62.062 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139434.D

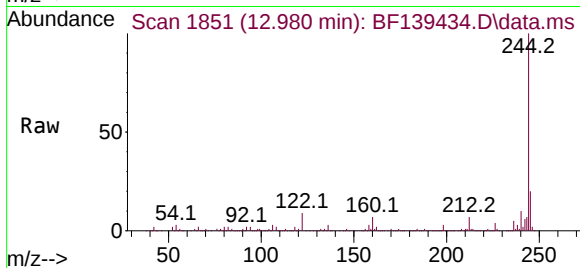
Acq: 18 Sep 2024 19:18

Instrument :

BNA_F

ClientSampleId :

B-2-TANK17



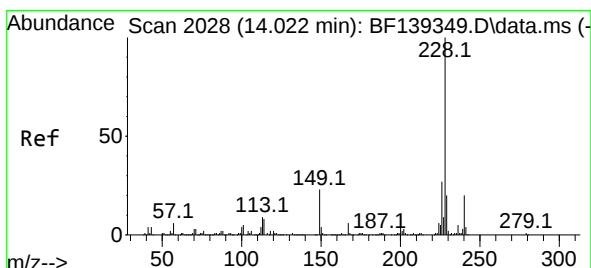
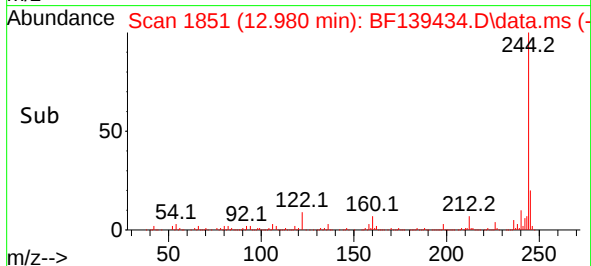
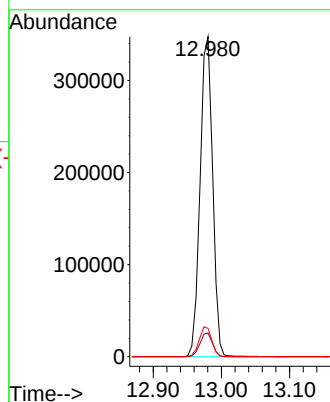
Tgt Ion:244 Resp: 445503

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 8.8 7.6 11.4



#81

Benzo(a)anthracene

Concen: 4.999 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF139434.D

Acq: 18 Sep 2024 19:18

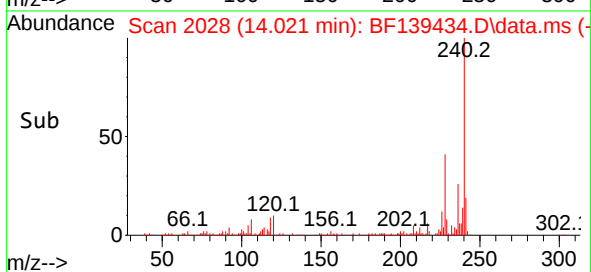
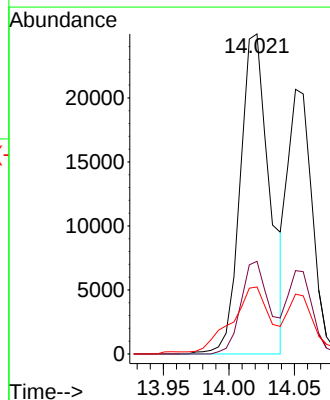
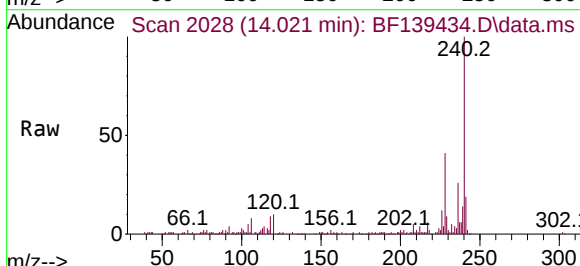
Tgt Ion:228 Resp: 39012

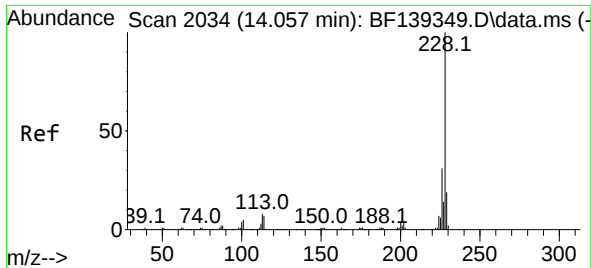
Ion Ratio Lower Upper

228 100

226 28.9 21.6 32.4

229 21.0 15.7 23.5

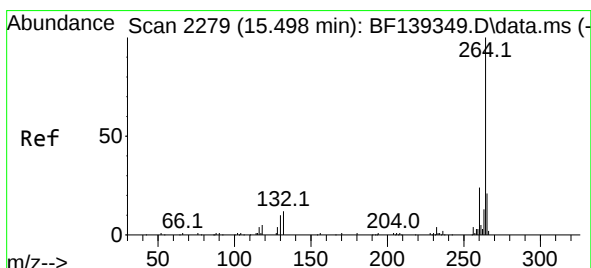
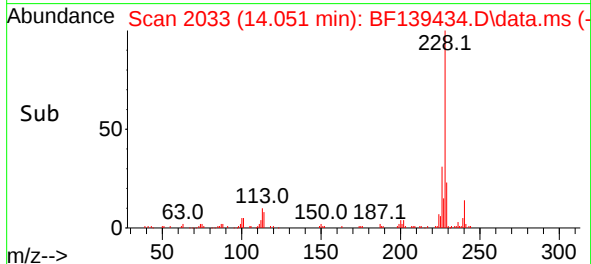
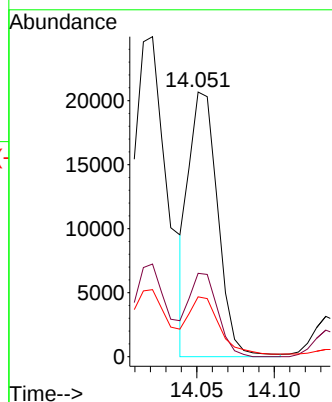
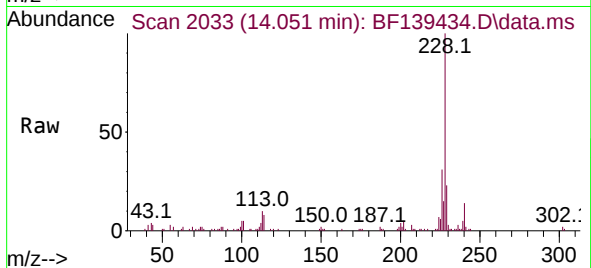




#83
Chrysene
Concen: 3.749 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF139434.D
Acq: 18 Sep 2024 19:18

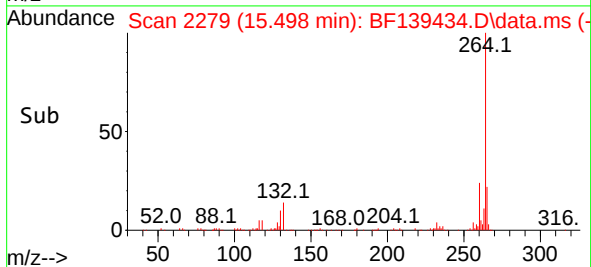
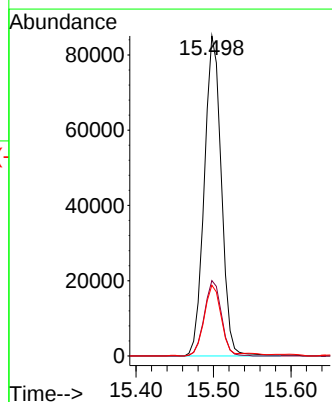
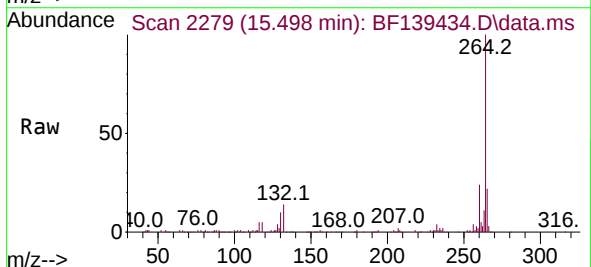
Instrument :
BNA_F
ClientSampleId :
B-2-TANK17

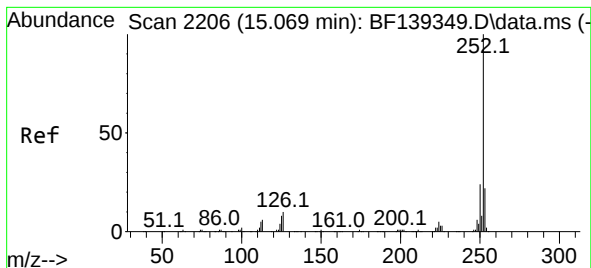
Tgt Ion:228	Resp:	26917
Ion Ratio	Lower	Upper
228	100	
226	31.5	24.1 36.1
229	22.6	15.4 23.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF139434.D
Acq: 18 Sep 2024 19:18

Tgt Ion:264	Resp:	129892
Ion Ratio	Lower	Upper
264	100	
260	23.5	19.5 29.3
265	22.1	16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 6.881 ng

RT: 15.068 min Scan# 2206

Delta R.T. -0.000 min

Lab File: BF139434.D

Acq: 18 Sep 2024 19:18

Instrument :

BNA_F

ClientSampleId :

B-2-TANK17

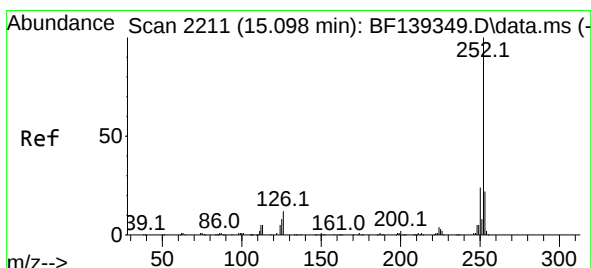
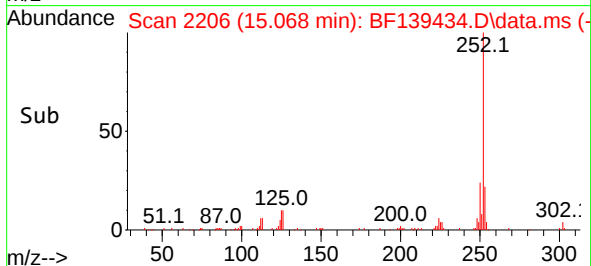
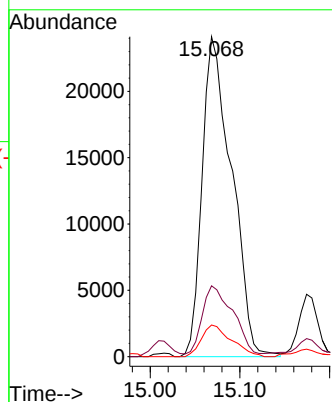
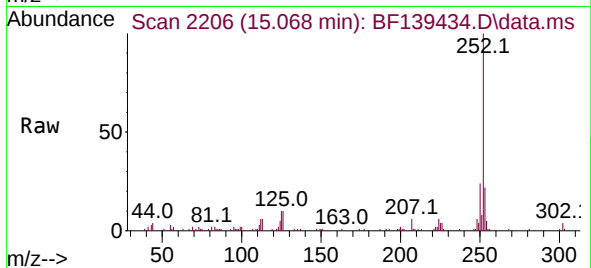
Tgt Ion:252 Resp: 55127

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 9.9 6.2 9.2#



#89

Benzo(k)fluoranthene

Concen: 7.463 ng

RT: 15.068 min Scan# 2206

Delta R.T. -0.030 min

Lab File: BF139434.D

Acq: 18 Sep 2024 19:18

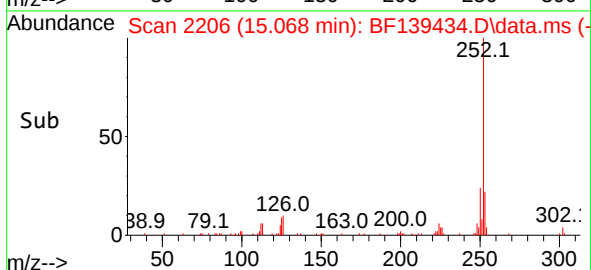
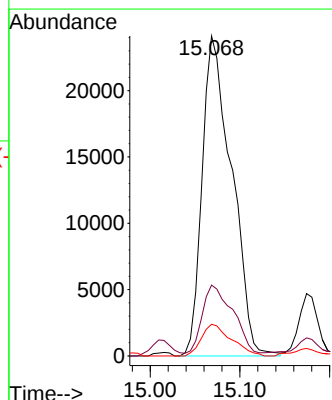
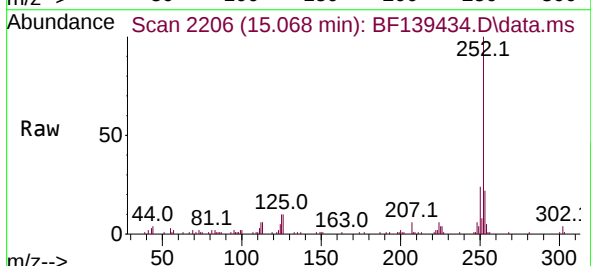
Tgt Ion:252 Resp: 55127

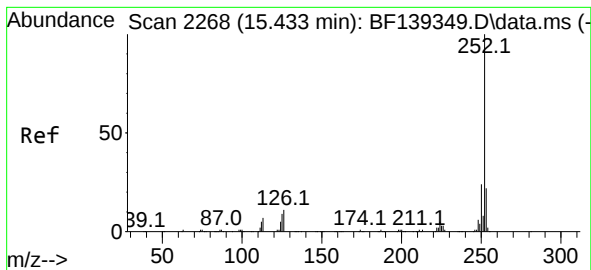
Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

125 9.9 5.9 8.9#





#90

Benzo(a)pyrene

Concen: 4.157 ng

RT: 15.433 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139434.D

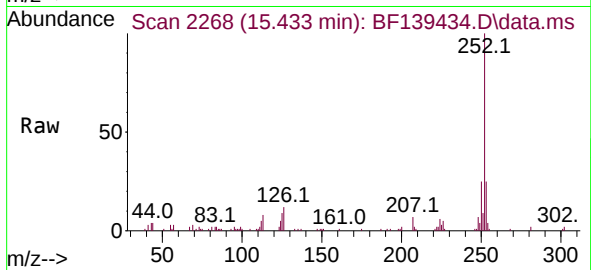
Acq: 18 Sep 2024 19:18

Instrument :

BNA_F

ClientSampleId :

B-2-TANK17



Tgt Ion:252 Resp: 27616

Ion Ratio Lower Upper

252 100

253 24.7 17.3 25.9

125 9.2 6.8 10.2

