

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139423.D
 Acq On : 18 Sep 2024 13:21
 Operator : RC/JU
 Sample : P4015-14
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW-2-TANK17

Quant Time: Sep 18 13:44:55 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)

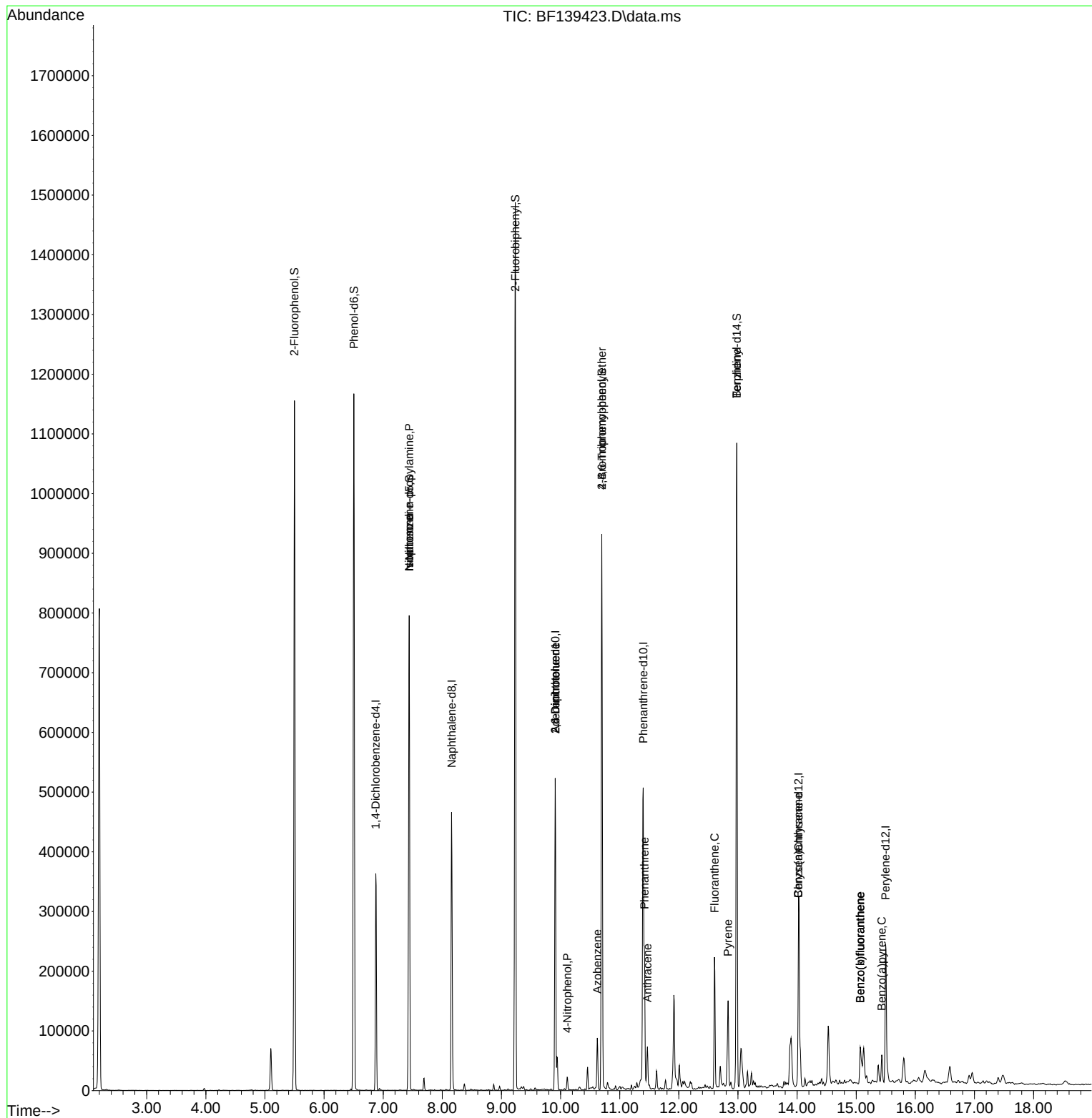
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	71549	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	263265	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	147679	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	256180	20.000	ng	0.00
76) Chrysene-d12	14.027	240	117210	20.000	ng	0.00
86) Perylene-d12	15.498	264	132485	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	364425	83.090	ng	0.00
7) Phenol-d6	6.504	99	489115	84.963	ng	0.00
23) Nitrobenzene-d5	7.439	82	331904	59.268	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	133292	84.779	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	622181	59.089	ng	0.00
79) Terphenyl-d14	12.980	244	505072	70.729	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	46827	13.727	ng	# 74
25) Isophorone	7.439	82	330777	37.349	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	19134	8.911	ng	# 15
56) 4-Nitrophenol	10.116	139	4306	2.425	ng	# 1
57) 2,4-Dinitrotoluene	9.910	165	19134	6.600	ng	# 17
63) Azobenzene	10.622	77	21316	2.167	ng	# 3
67) 4-Bromophenyl-phenylether	10.698	248	8985	3.539	ng	# 1
71) Phenanthrene	11.421	178	114892	9.296	ng	98
72) Anthracene	11.469	178	31550	2.611	ng	99
75) Fluoranthene	12.604	202	121504	9.206	ng	99
77) Benzidine	12.980	184	8019	4.775	ng	# 93
78) Pyrene	12.833	202	83622	8.309	ng	98
81) Benzo(a)anthracene	14.021	228	44129	5.684	ng	97
83) Chrysene	14.021	228	44129	6.178	ng	93
88) Benzo(b)fluoranthene	15.068	252	54946	6.725	ng	95
89) Benzo(k)fluoranthene	15.068	252	54946	7.293	ng	94
90) Benzo(a)pyrene	15.433	252	28628	4.225	ng	98

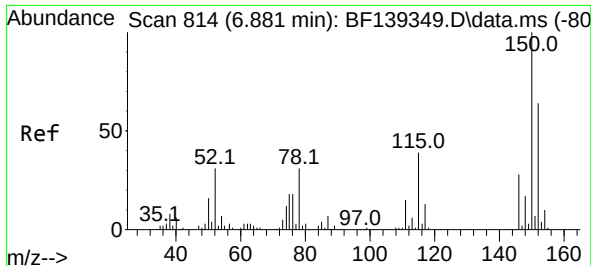
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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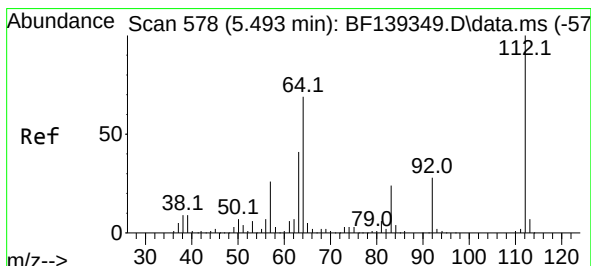
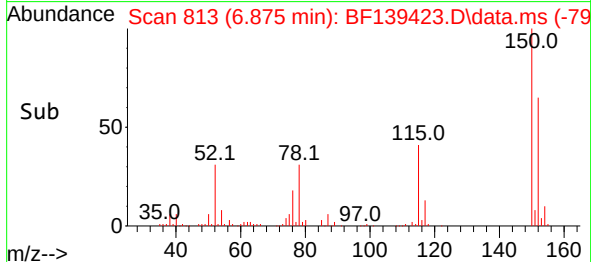
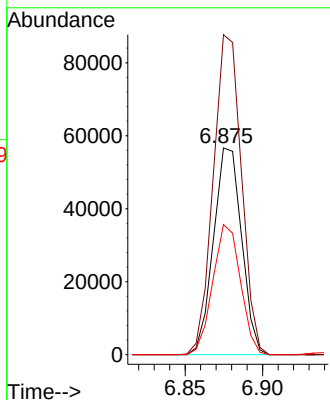
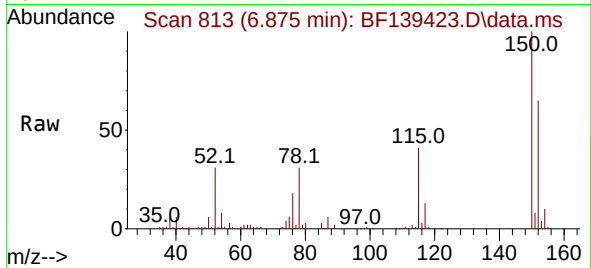




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

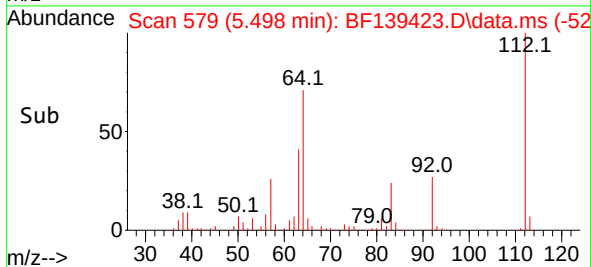
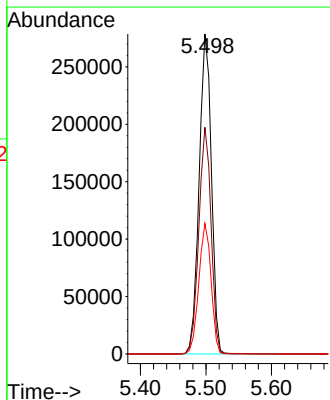
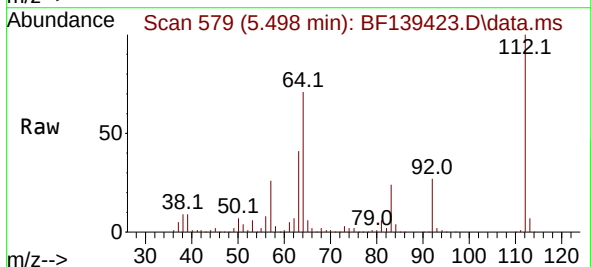
Instrument :
BNA_F
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SW-2-TANK17

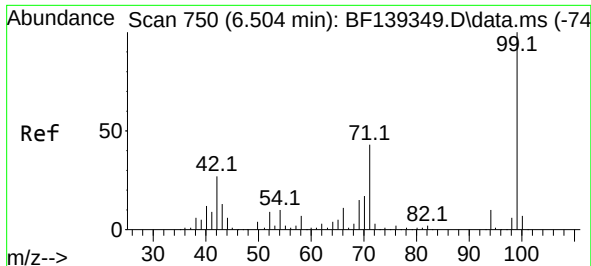
Tgt Ion:152 Resp: 71549
Ion Ratio Lower Upper
152 100
150 154.7 124.1 186.1
115 62.9 48.1 72.1



#5
2-Fluorophenol
Concen: 83.090 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.005 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

Tgt Ion:112 Resp: 364425
Ion Ratio Lower Upper
112 100
64 70.9 54.8 82.2
63 40.8 33.0 49.4

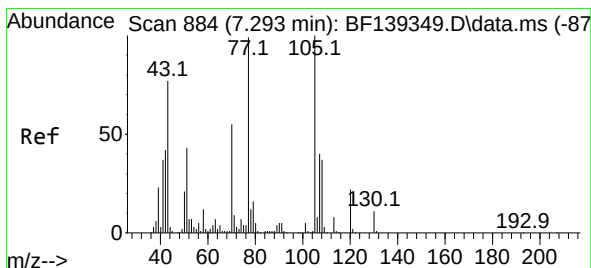
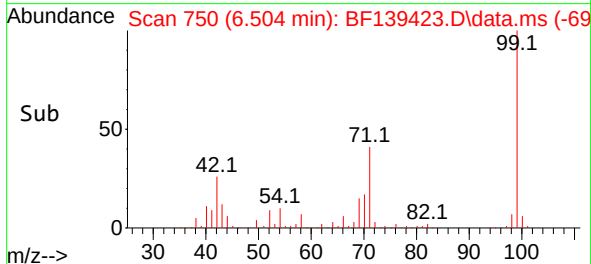
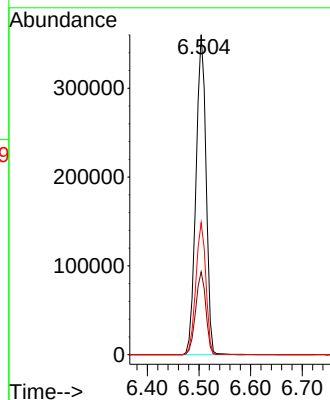
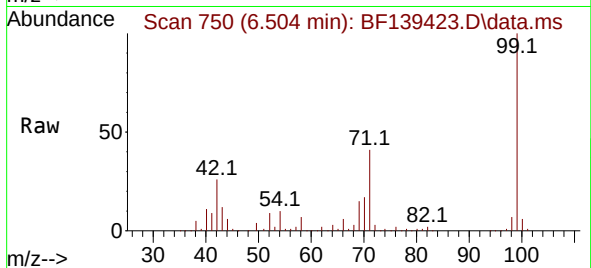




#7
Phenol-d6
Concen: 84.963 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

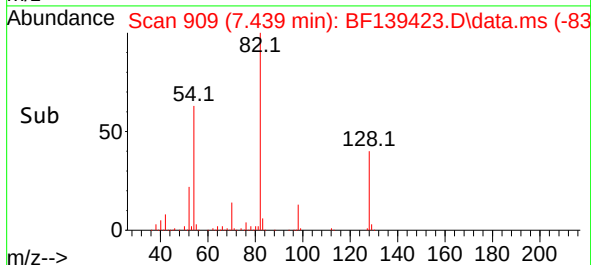
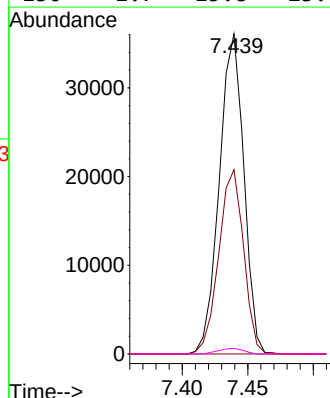
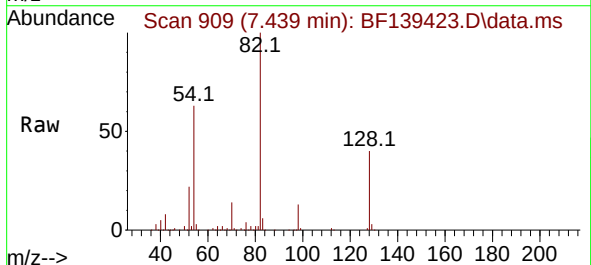
Instrument :
BNA_F
ClientSampleId :
SW-2-TANK17

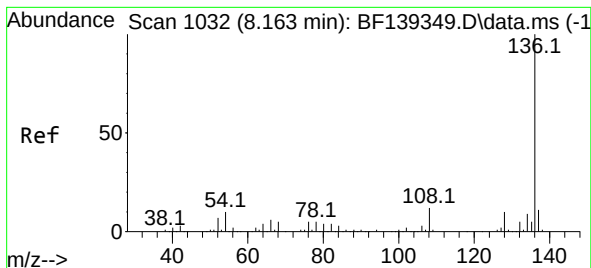
Tgt Ion: 99 Resp: 489115
Ion Ratio Lower Upper
99 100
42 25.9 21.9 32.9
71 41.3 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.727 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

Tgt Ion: 70 Resp: 46827
Ion Ratio Lower Upper
70 100
42 57.6 61.2 91.8#
101 0.0 7.5 11.3#
130 1.7 15.8 23.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139423.D

Acq: 18 Sep 2024 13:21

Instrument :

BNA_F

ClientSampleId :

SW-2-TANK17

Tgt Ion:136 Resp: 263265

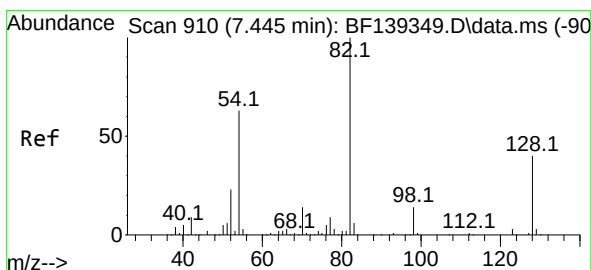
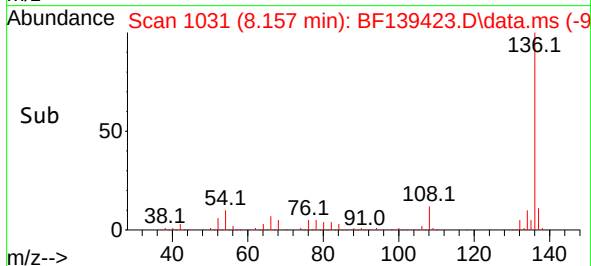
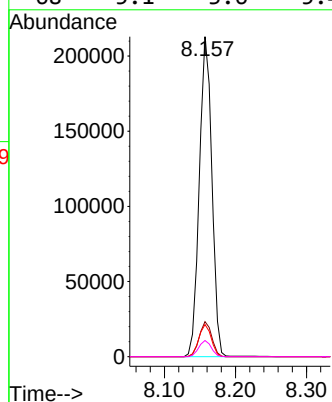
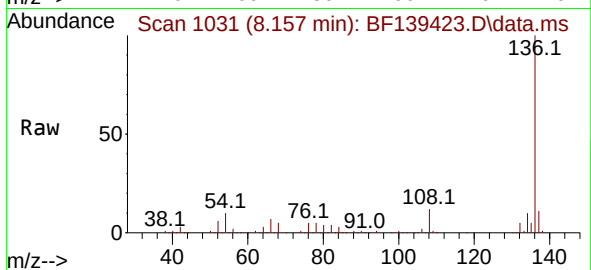
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 10.1 7.8 11.8

68 5.1 3.6 5.4



#23

Nitrobenzene-d5

Concen: 59.268 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF139423.D

Acq: 18 Sep 2024 13:21

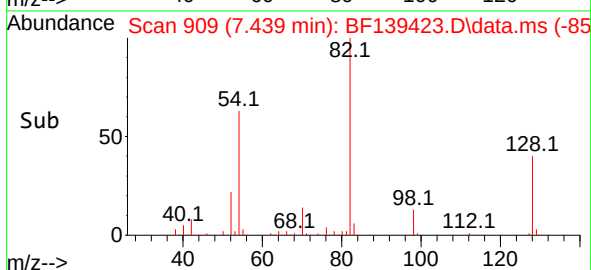
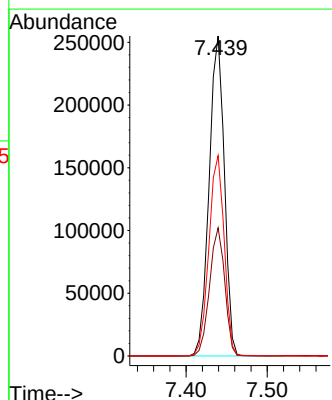
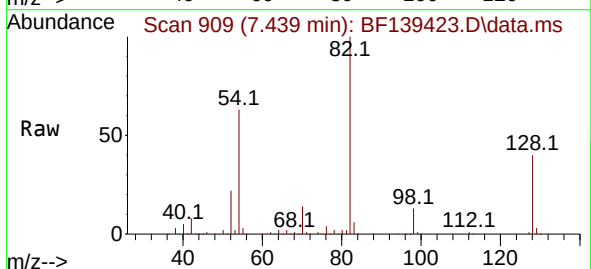
Tgt Ion: 82 Resp: 331904

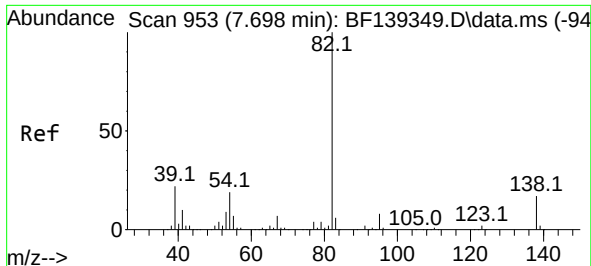
Ion Ratio Lower Upper

82 100

128 40.1 31.8 47.6

54 62.6 50.6 75.8

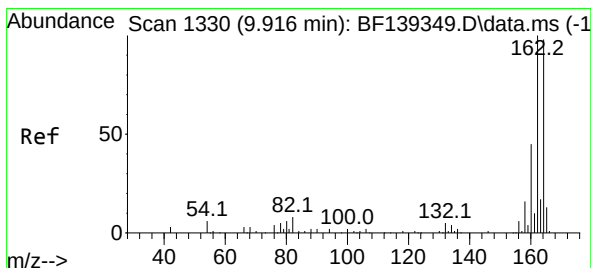
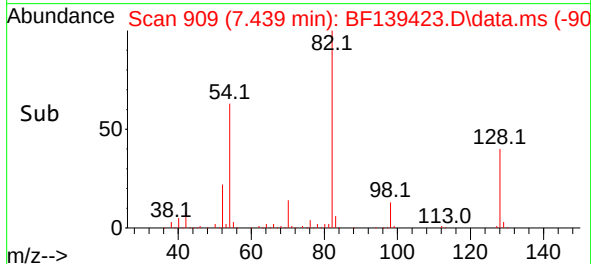
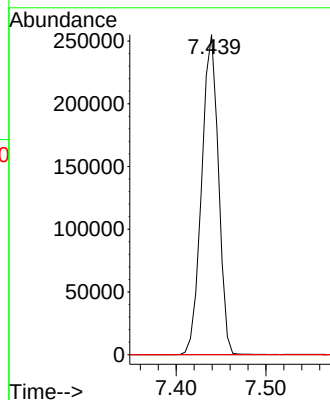
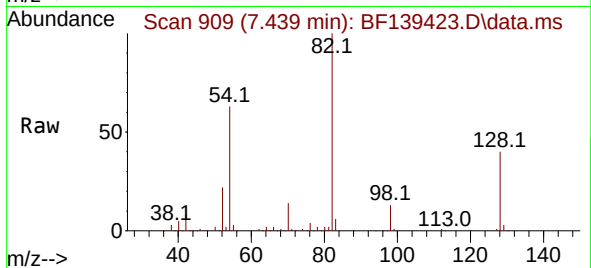




#25
Isophorone
Concen: 37.349 ng
RT: 7.439 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

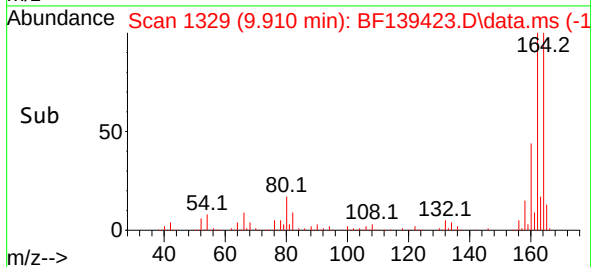
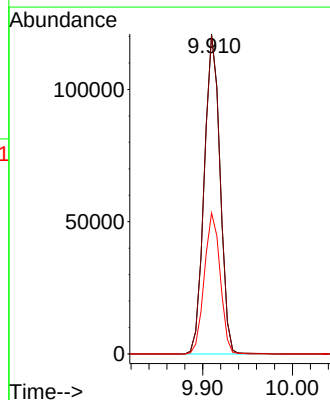
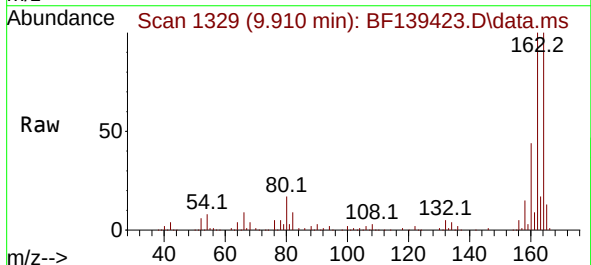
Instrument :
BNA_F
ClientSampleId :
SW-2-TANK17

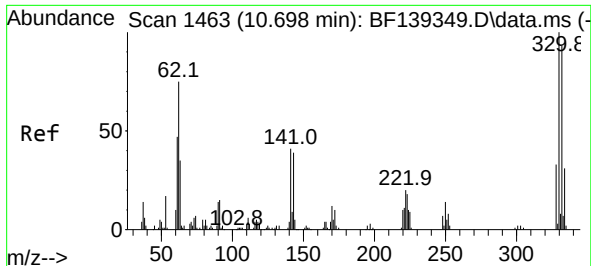
Tgt Ion: 82 Resp: 330777
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

Tgt Ion:164 Resp: 147679
Ion Ratio Lower Upper
164 100
162 99.7 81.3 121.9
160 44.0 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 84.779 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.000 min

Lab File: BF139423.D

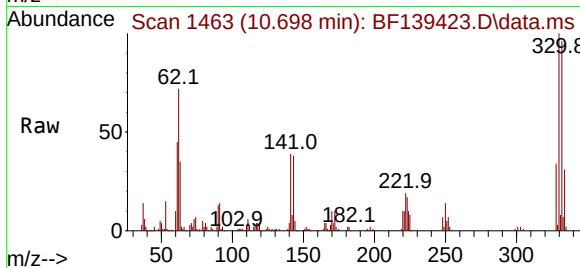
Acq: 18 Sep 2024 13:21

Instrument :

BNA_F

ClientSampleId :

SW-2-TANK17



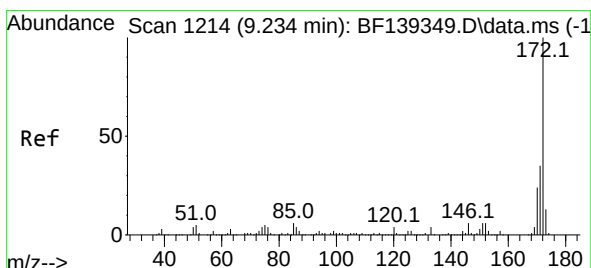
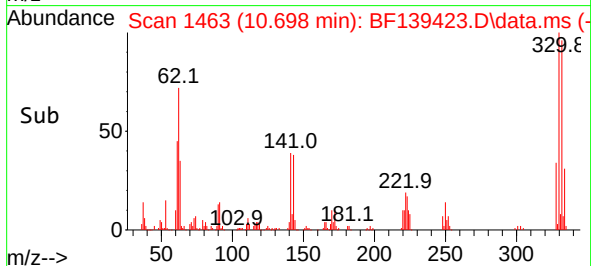
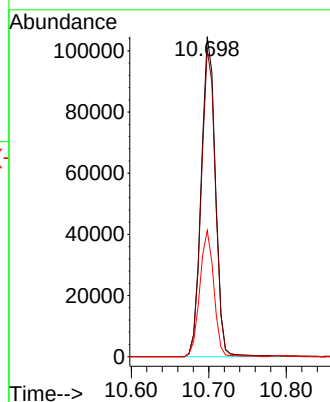
Tgt Ion:330 Resp: 133292

Ion Ratio Lower Upper

330 100

332 96.4 75.2 112.8

141 38.9 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 59.089 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.000 min

Lab File: BF139423.D

Acq: 18 Sep 2024 13:21

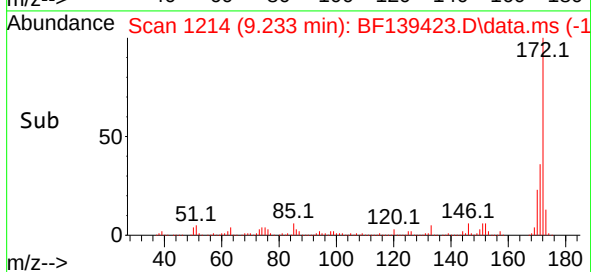
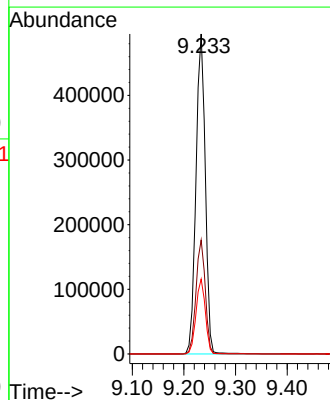
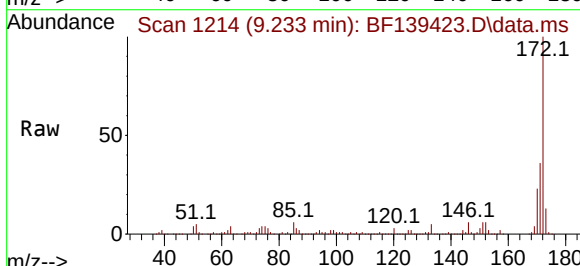
Tgt Ion:172 Resp: 622181

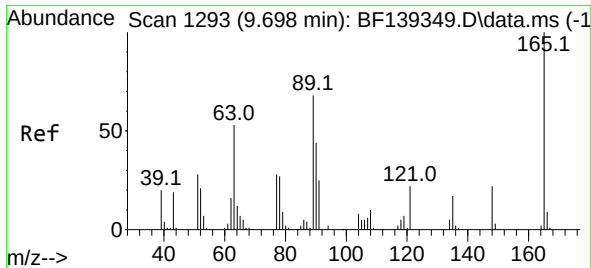
Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 23.4 19.0 28.6

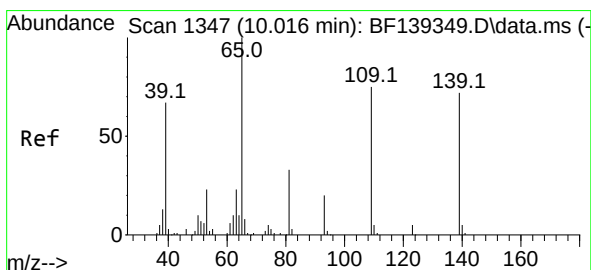
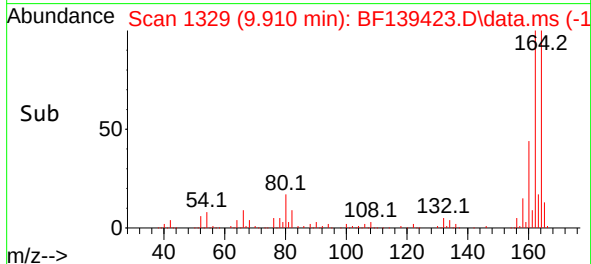
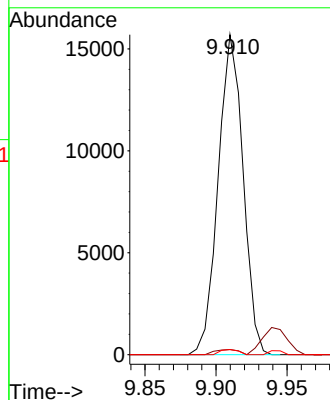
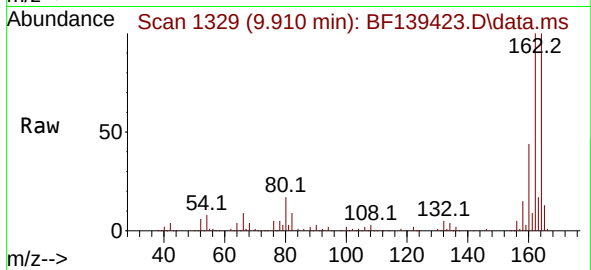




#51
2,6-Dinitrotoluene
Concen: 8.911 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

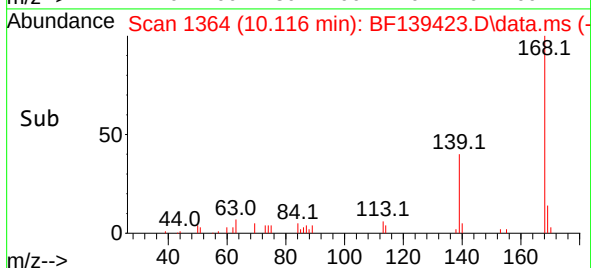
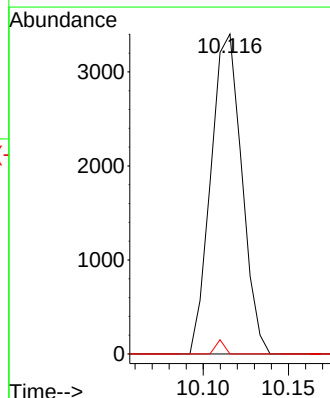
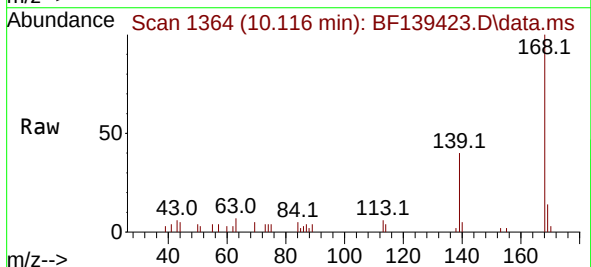
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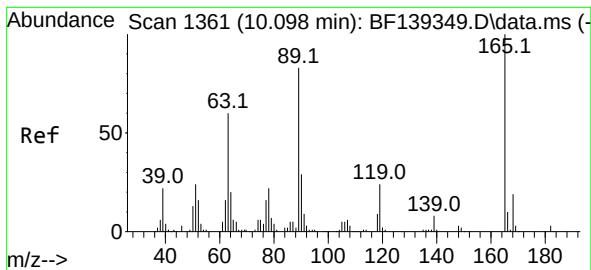
Tgt Ion:165 Resp: 19134
Ion Ratio Lower Upper
165 100
63 1.6 60.9 91.3#
89 1.6 54.7 82.1#



#56
4-Nitrophenol
Concen: 2.425 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.100 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

Tgt Ion:139 Resp: 4306
Ion Ratio Lower Upper
139 100
109 0.0 84.1 124.1#
65 0.0 120.0 160.0#

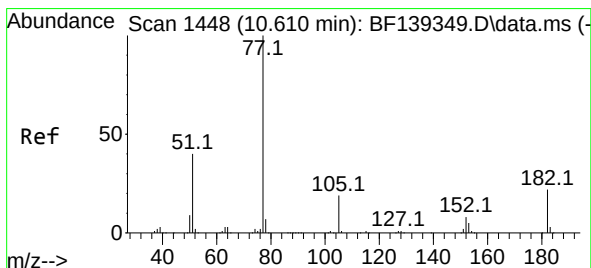
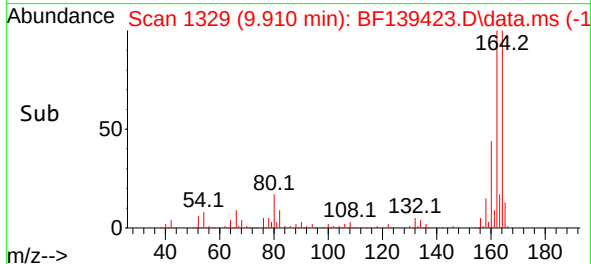
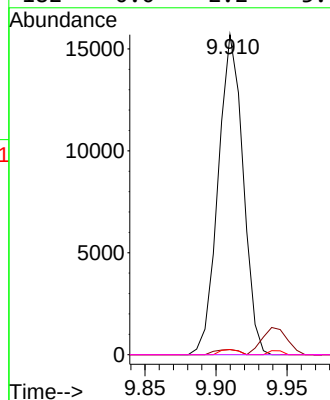
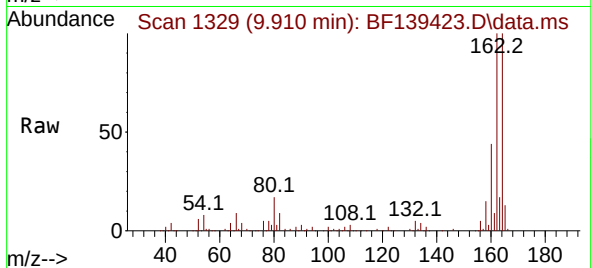




#57
2,4-Dinitrotoluene
Concen: 6.600 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

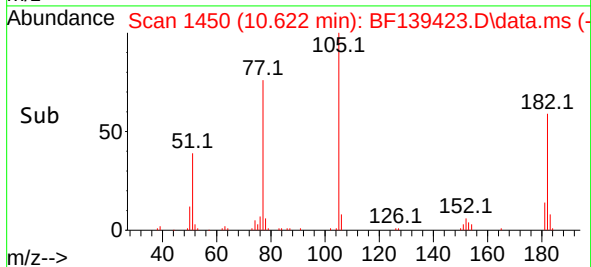
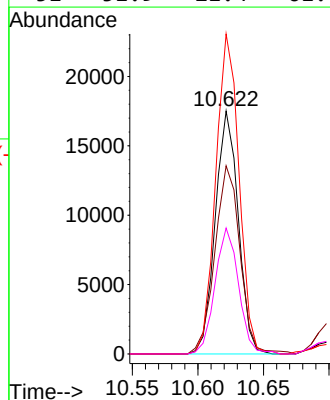
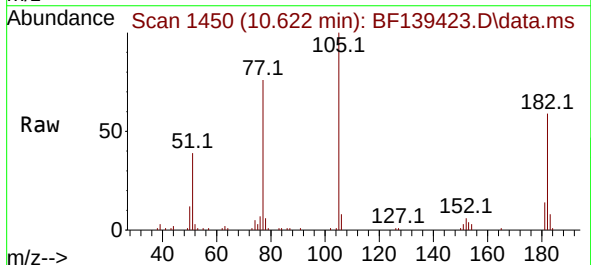
Instrument :
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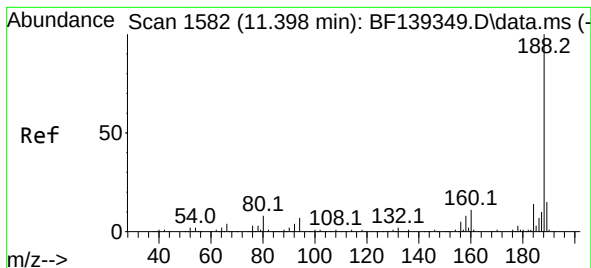
Tgt Ion:165 Resp: 19134
Ion Ratio Lower Upper
165 100
63 1.6 47.8 71.6#
89 1.6 66.7 100.1#
182 0.0 2.2 3.4#



#63
Azobenzene
Concen: 2.167 ng
RT: 10.622 min Scan# 1450
Delta R.T. 0.012 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

Tgt Ion: 77 Resp: 21316
Ion Ratio Lower Upper
77 100
182 77.5 1.8 41.8#
105 131.8 0.0 38.6#
51 51.9 21.4 61.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139423.D

Acq: 18 Sep 2024 13:21

Instrument :

BNA_F

ClientSampleId :

SW-2-TANK17

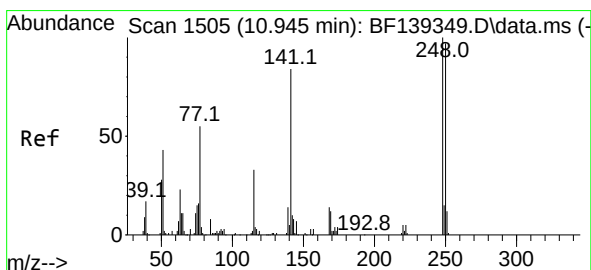
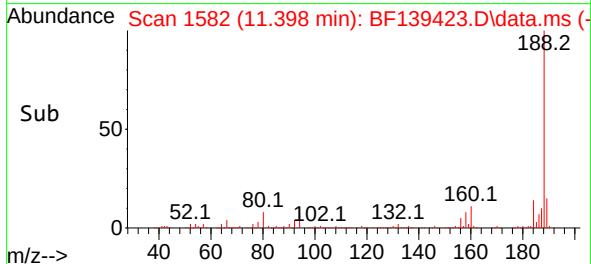
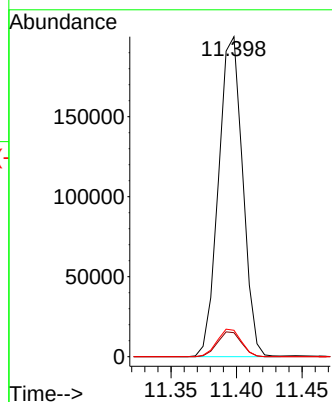
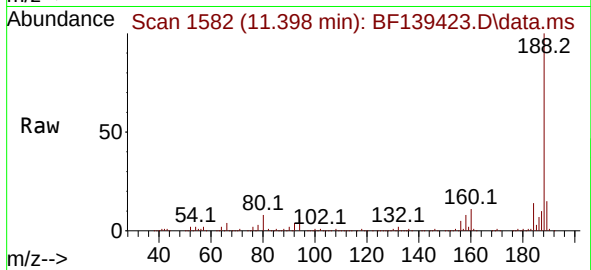
Tgt Ion:188 Resp: 256180

Ion Ratio Lower Upper

188 100

94 7.5 5.5 8.3

80 8.2 6.6 9.8



#67

4-Bromophenyl-phenylether

Concen: 3.539 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF139423.D

Acq: 18 Sep 2024 13:21

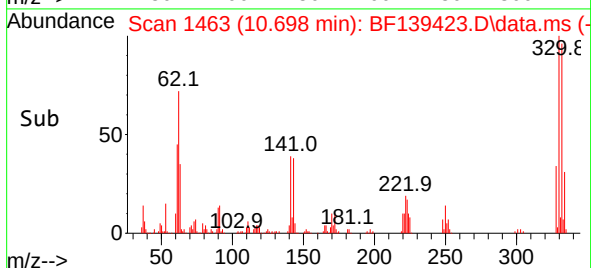
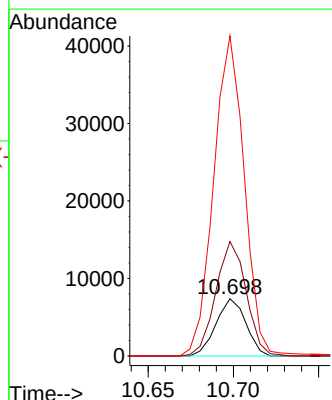
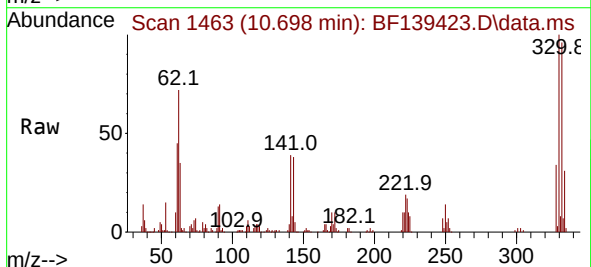
Tgt Ion:248 Resp: 8985

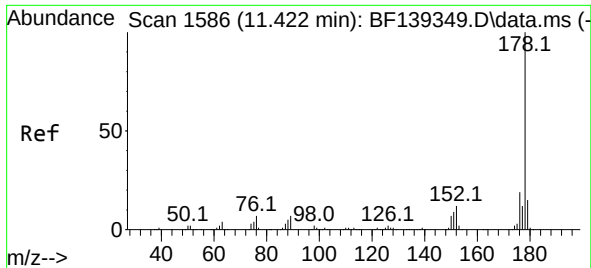
Ion Ratio Lower Upper

248 100

250 200.0 77.6 116.4#

141 559.3 66.9 100.3#

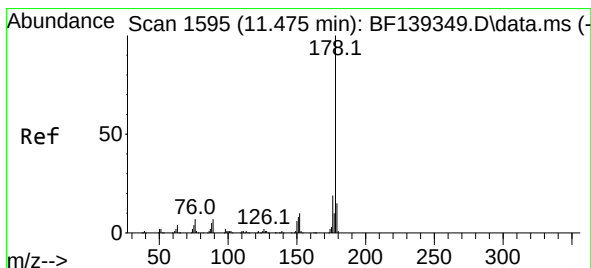
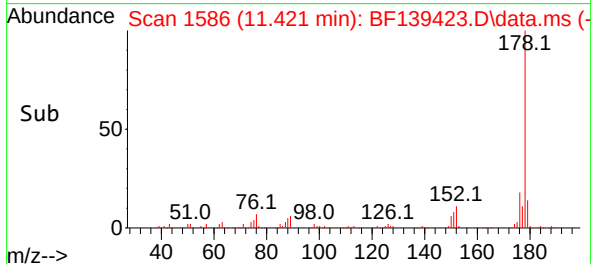
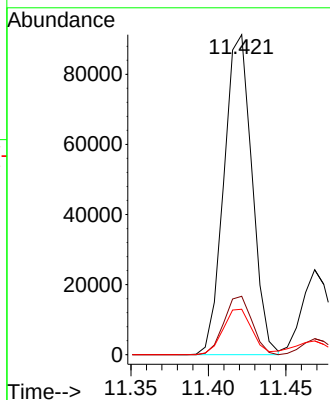
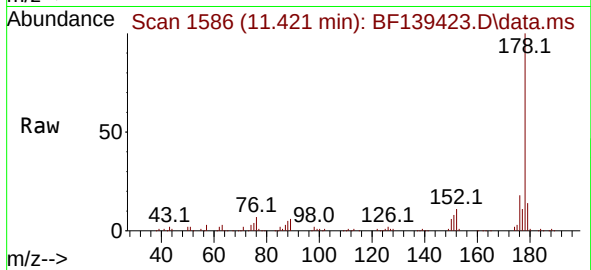




#71
Phenanthrene
Concen: 9.296 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

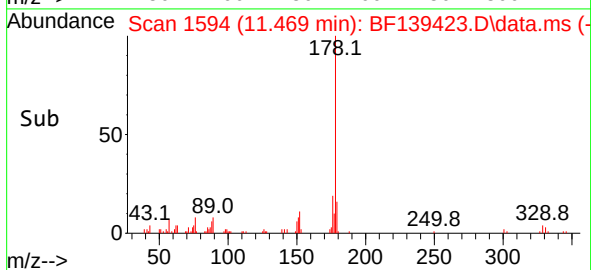
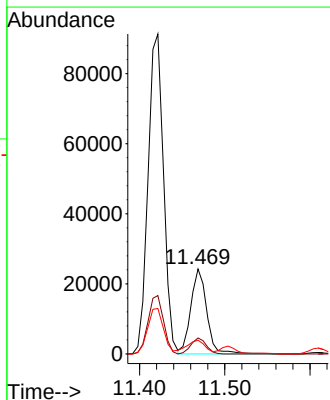
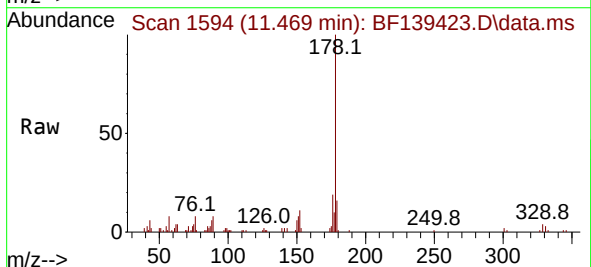
Instrument :
BNA_F
ClientSampleId :
SW-2-TANK17

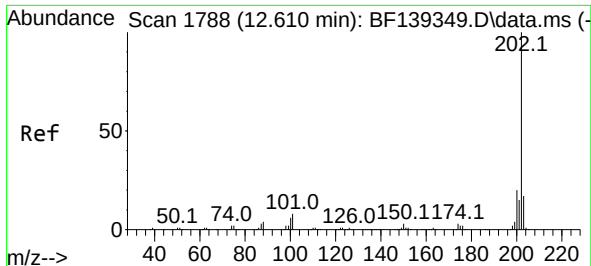
Tgt Ion:178 Resp: 114892
Ion Ratio Lower Upper
178 100
176 18.3 15.2 22.8
179 14.2 12.2 18.4



#72
Anthracene
Concen: 2.611 ng
RT: 11.469 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

Tgt Ion:178 Resp: 31550
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 16.1 12.0 18.0

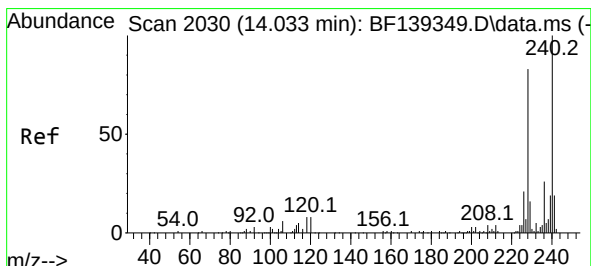
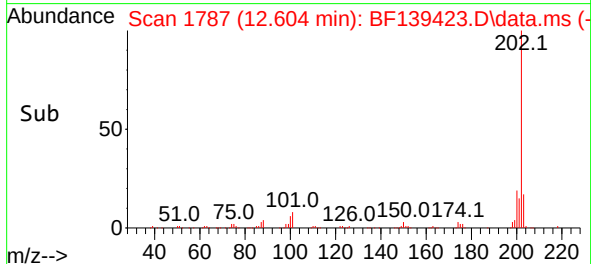
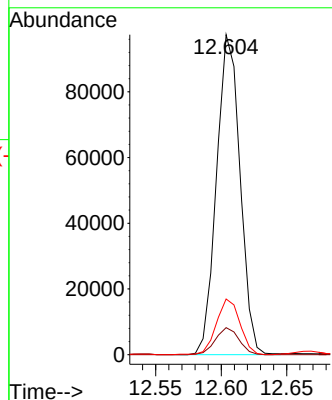
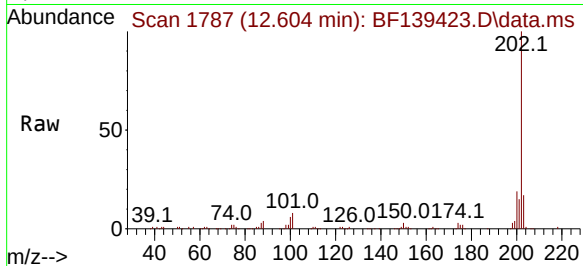




#75
Fluoranthene
Concen: 9.206 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

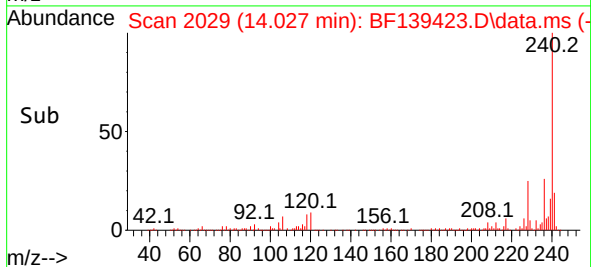
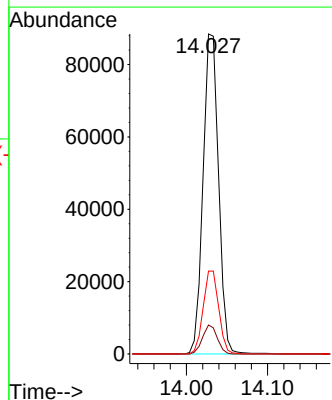
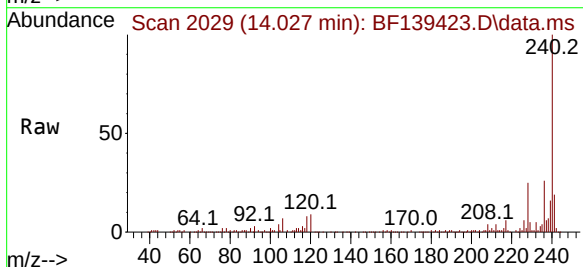
Instrument :
BNA_F
ClientSampleId :
SW-2-TANK17

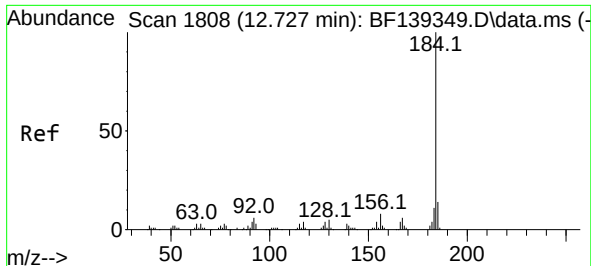
Tgt Ion:202 Resp: 121504
Ion Ratio Lower Upper
202 100
101 8.5 0.0 27.7
203 17.4 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

Tgt Ion:240 Resp: 117210
Ion Ratio Lower Upper
240 100
120 9.0 6.2 9.2
236 25.9 20.9 31.3

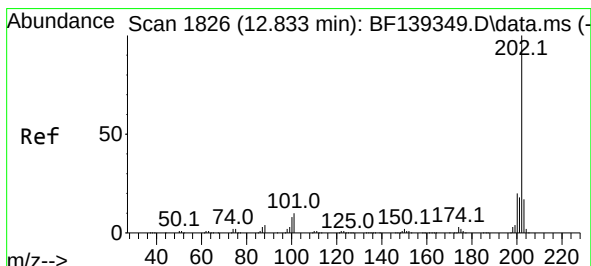
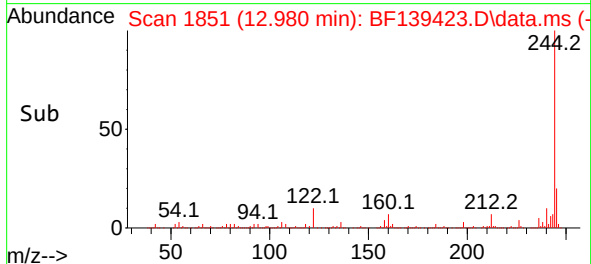
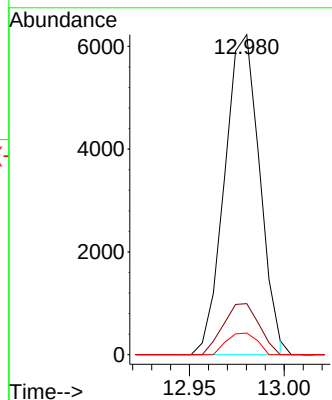
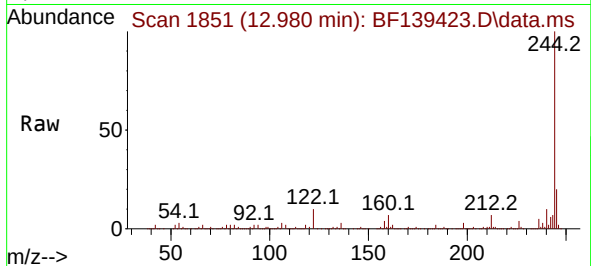




#77
Benzidine
Concen: 4.775 ng
RT: 12.980 min Scan# 1851
Delta R.T. 0.253 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

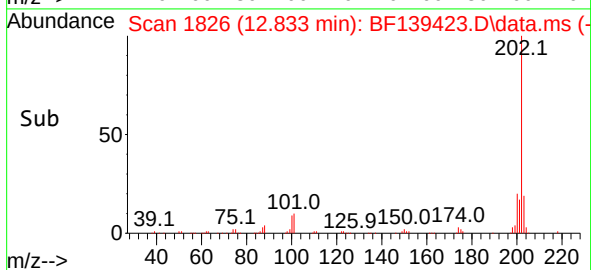
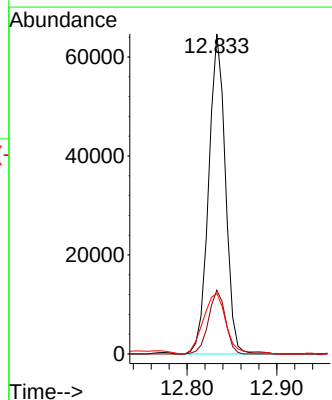
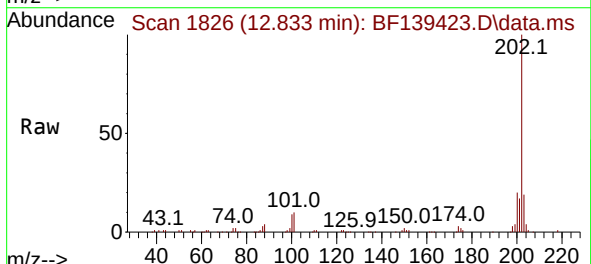
Instrument :
BNA_F
ClientSampleId :
SW-2-TANK17

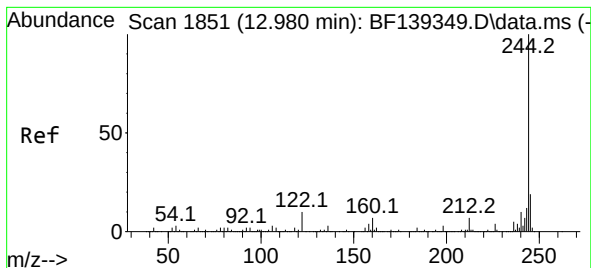
Tgt Ion:184 Resp: 8019
Ion Ratio Lower Upper
184 100
185 15.9 11.5 17.3
183 6.7 8.9 13.3#



#78
Pyrene
Concen: 8.309 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

Tgt Ion:202 Resp: 83622
Ion Ratio Lower Upper
202 100
200 20.0 16.2 24.2
203 19.0 13.9 20.9





#79

Terphenyl-d14

Concen: 70.729 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139423.D

Acq: 18 Sep 2024 13:21

Instrument :

BNA_F

ClientSampleId :

SW-2-TANK17

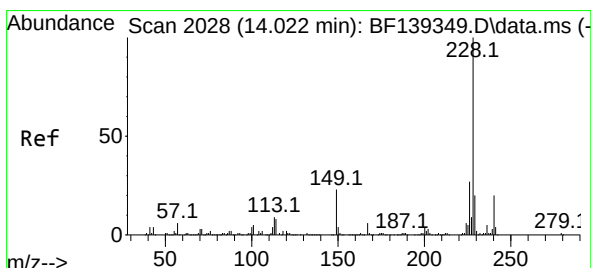
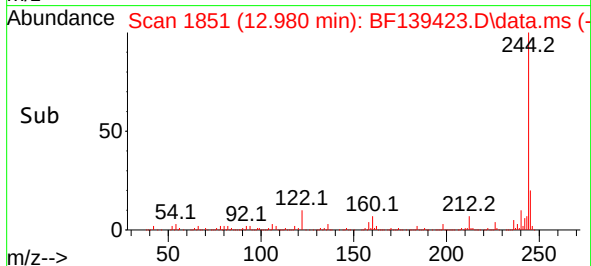
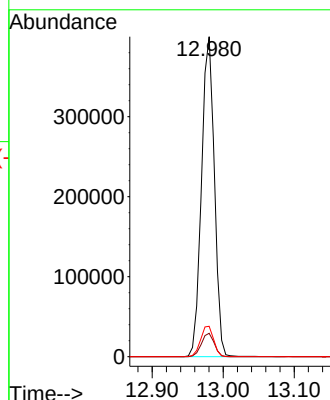
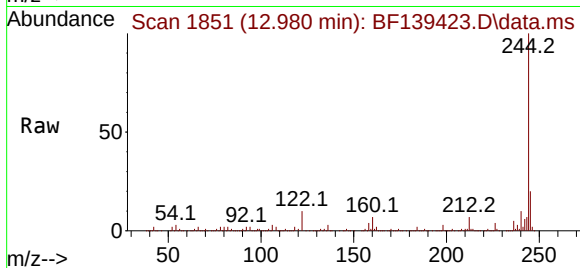
Tgt Ion:244 Resp: 505072

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 9.5 7.6 11.4



#81

Benzo(a)anthracene

Concen: 5.684 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF139423.D

Acq: 18 Sep 2024 13:21

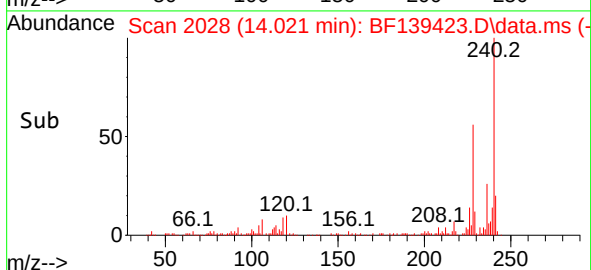
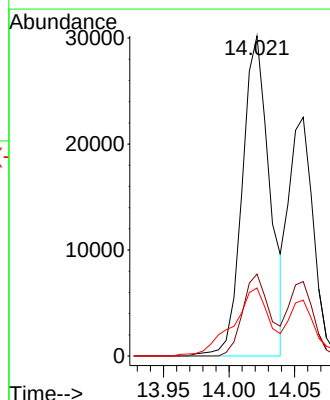
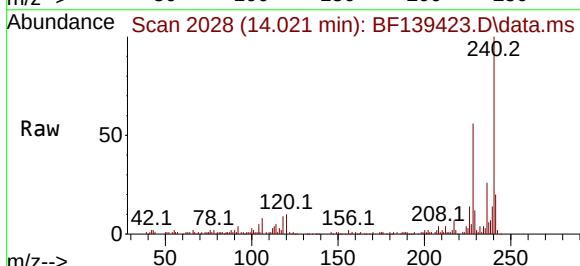
Tgt Ion:228 Resp: 44129

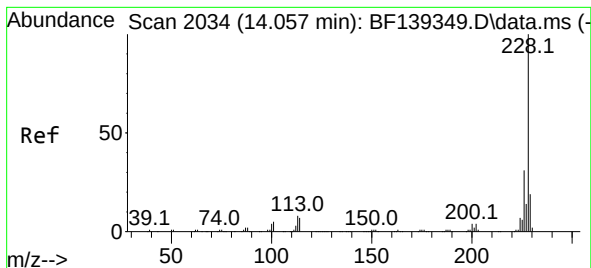
Ion Ratio Lower Upper

228 100

226 25.6 21.6 32.4

229 21.3 15.7 23.5





#83

Chrysene

Concen: 6.178 ng

RT: 14.021 min Scan# 2034

Delta R.T. -0.035 min

Lab File: BF139423.D

Acq: 18 Sep 2024 13:21

Instrument :

BNA_F

ClientSampleId :

SW-2-TANK17

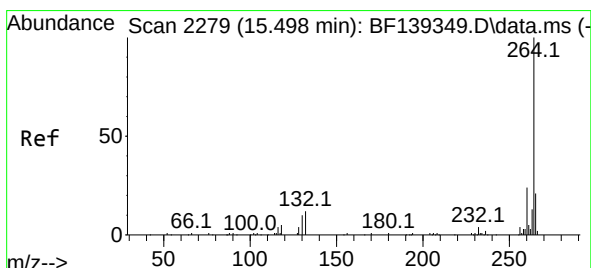
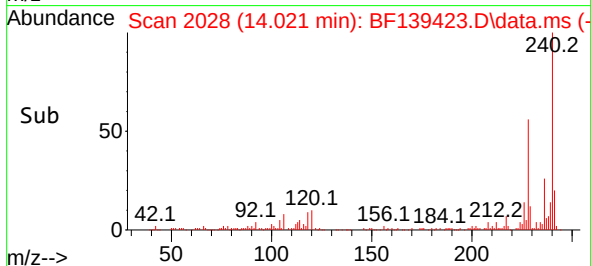
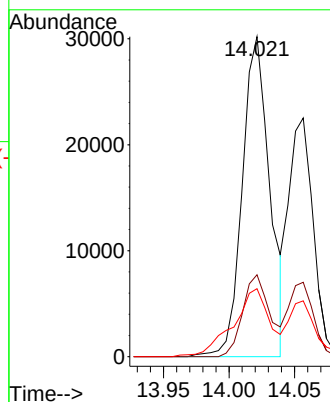
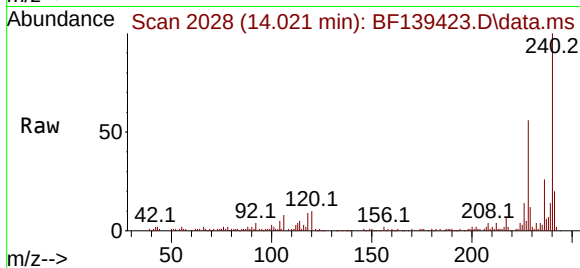
Tgt Ion:228 Resp: 44129

Ion Ratio Lower Upper

228 100

226 25.6 24.1 36.1

229 21.3 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: BF139423.D

Acq: 18 Sep 2024 13:21

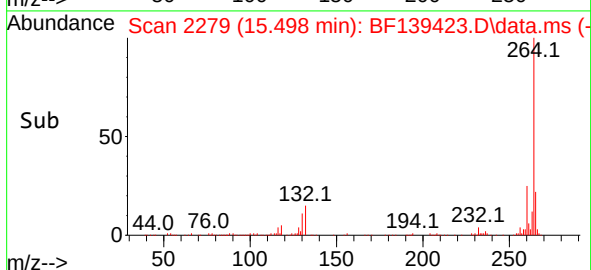
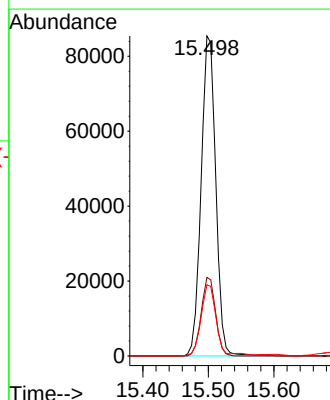
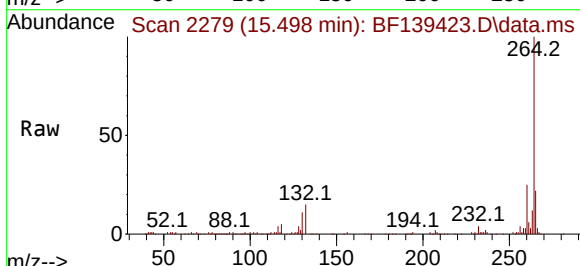
Tgt Ion:264 Resp: 132485

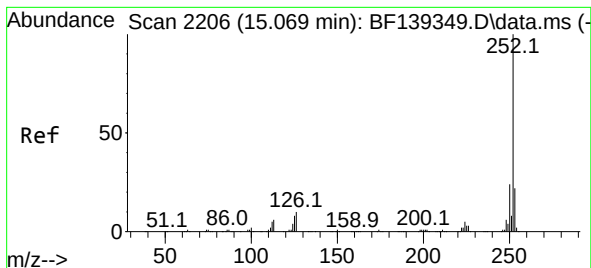
Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

265 22.2 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 6.725 ng

RT: 15.068 min Scan# 2206

Delta R.T. -0.000 min

Lab File: BF139423.D

Acq: 18 Sep 2024 13:21

Instrument :

BNA_F

ClientSampleId :

SW-2-TANK17

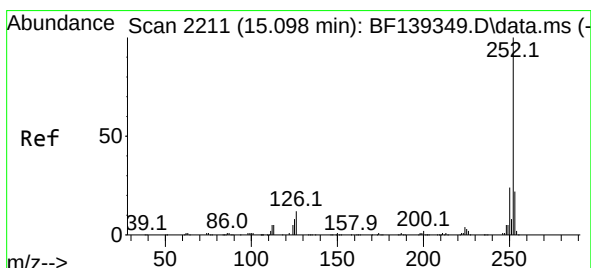
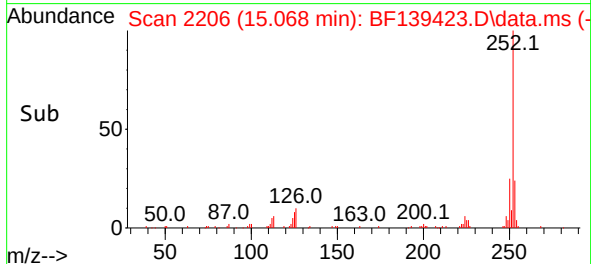
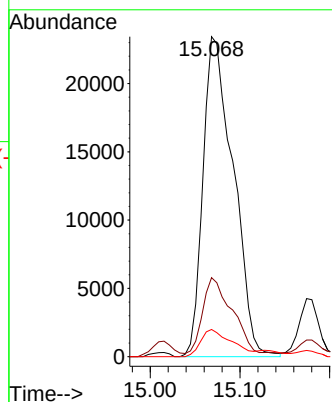
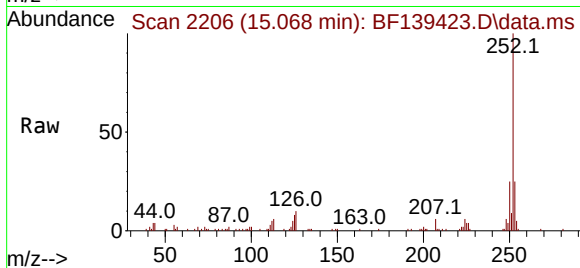
Tgt Ion:252 Resp: 54946

Ion Ratio Lower Upper

252 100

253 24.7 17.6 26.4

125 8.5 6.2 9.2



#89

Benzo(k)fluoranthene

Concen: 7.293 ng

RT: 15.068 min Scan# 2206

Delta R.T. -0.030 min

Lab File: BF139423.D

Acq: 18 Sep 2024 13:21

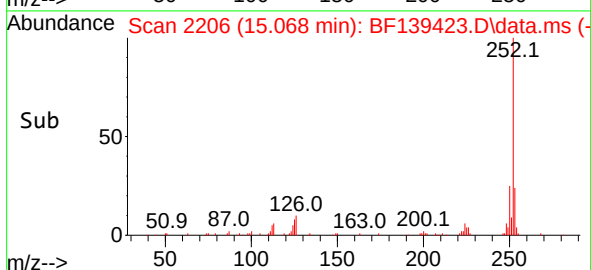
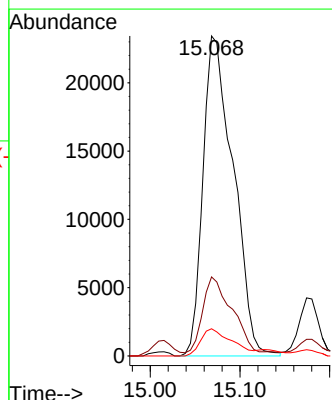
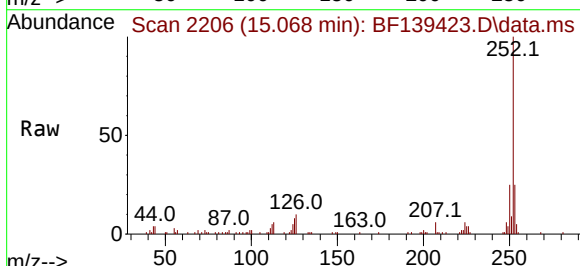
Tgt Ion:252 Resp: 54946

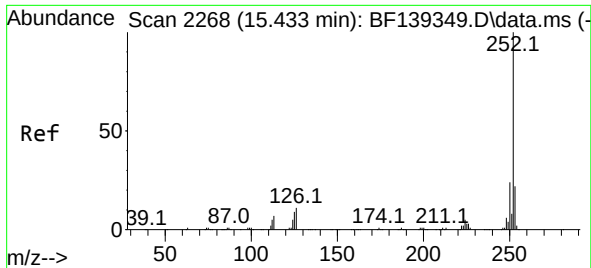
Ion Ratio Lower Upper

252 100

253 24.7 17.3 25.9

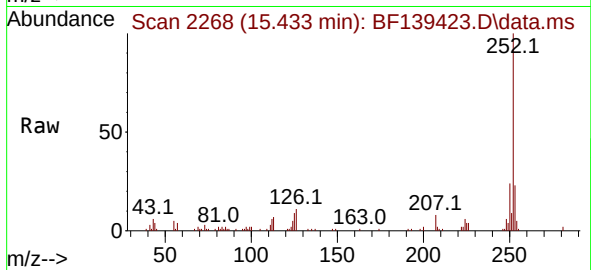
125 8.5 5.9 8.9





#90
Benzo(a)pyrene
Concen: 4.225 ng
RT: 15.433 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139423.D
Acq: 18 Sep 2024 13:21

Instrument :
BNA_F
ClientSampleId :
SW-2-TANK17



Tgt Ion:	252	Resp:	28628
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.3	25.9
125	8.6	6.8	10.2

