

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139424.D
 Acq On : 18 Sep 2024 13:49
 Operator : RC/JU
 Sample : P4015-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW-3-TANK17

Quant Time: Sep 18 14:17:32 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)

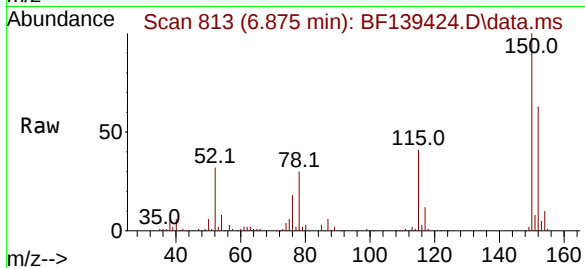
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	69988	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	263075	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	147573	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	249192	20.000	ng	0.00
76) Chrysene-d12	14.027	240	116239	20.000	ng	0.00
86) Perylene-d12	15.498	264	133787	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	404310	94.240	ng	0.00
7) Phenol-d6	6.504	99	537967	95.534	ng	0.00
23) Nitrobenzene-d5	7.439	82	369707	66.067	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	140248	89.268	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	685451	65.145	ng	0.00
79) Terphenyl-d14	12.980	244	496249	70.074	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	50902	15.254	ng	# 75
25) Isophorone	7.439	82	368467	41.634	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	18375	8.564	ng	# 15
57) 2,4-Dinitrotoluene	9.910	165	18375	6.343	ng	# 17
63) Azobenzene	10.622	77	24018	2.443	ng	# 4
67) 4-Bromophenyl-phenylether	10.698	248	9812	3.973	ng	# 1
71) Phenanthrene	11.416	178	43753	3.639	ng	98
75) Fluoranthene	12.604	202	66137	5.151	ng	99
77) Benzidine	12.980	184	7868	4.724	ng	# 92
78) Pyrene	12.833	202	48784	4.888	ng	98
81) Benzo(a)anthracene	14.021	228	27226	3.536	ng	99
83) Chrysene	14.021	228	27226	3.843	ng	95
88) Benzo(b)fluoranthene	15.068	252	36794	4.459	ng	# 96
89) Benzo(k)fluoranthene	15.068	252	36794	4.836	ng	# 95
90) Benzo(a)pyrene	15.433	252	19062	2.786	ng	95

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

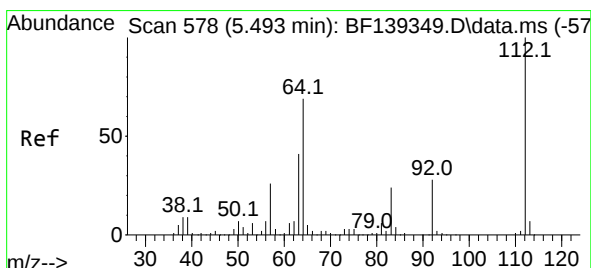
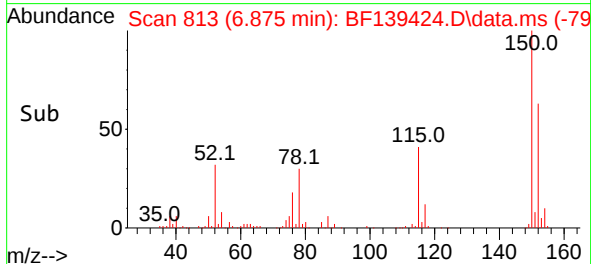
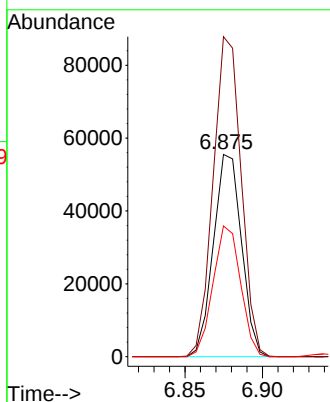


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139424.D
Acq: 18 Sep 2024 13:49

Instrument :
BNA_F
ClientSampleId :
SW-3-TANK17

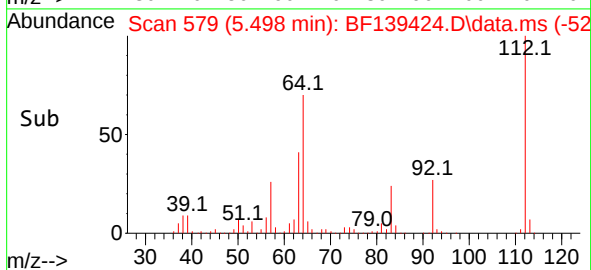
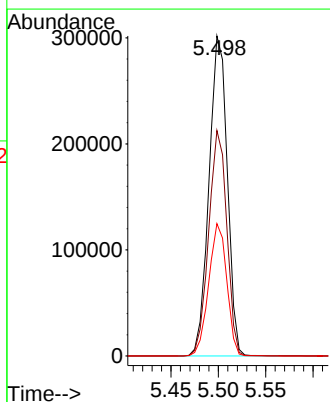
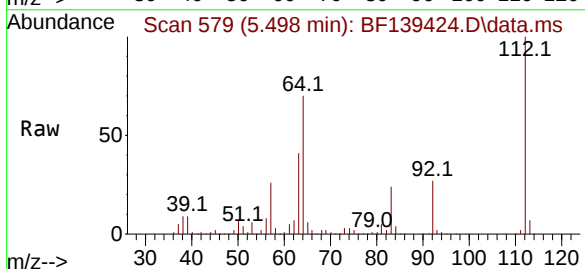


Tgt Ion:152 Resp: 69988
Ion Ratio Lower Upper
152 100
150 158.2 124.1 186.1
115 64.6 48.1 72.1



#5
2-Fluorophenol
Concen: 94.240 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.005 min
Lab File: BF139424.D
Acq: 18 Sep 2024 13:49

Tgt Ion:112 Resp: 404310
Ion Ratio Lower Upper
112 100
64 70.4 54.8 82.2
63 41.4 33.0 49.4

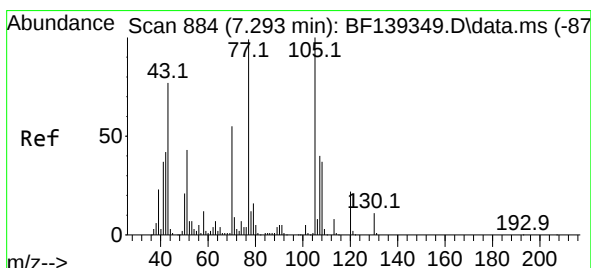
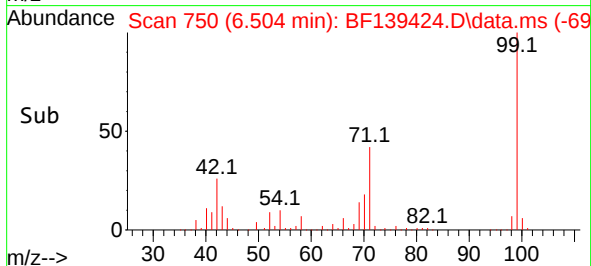
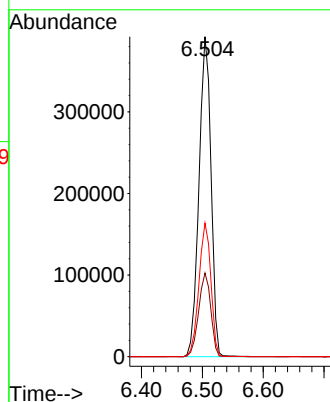
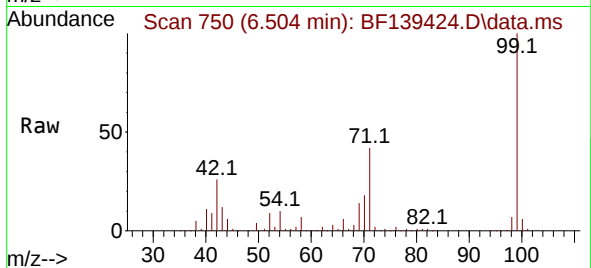




#7
Phenol-d6
Concen: 95.534 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139424.D
Acq: 18 Sep 2024 13:49

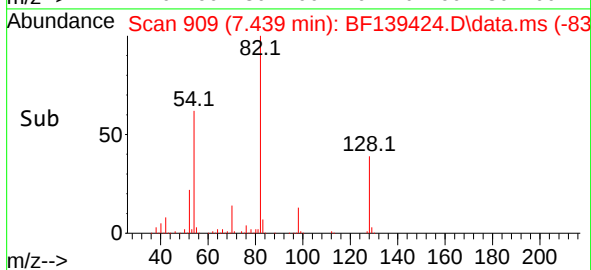
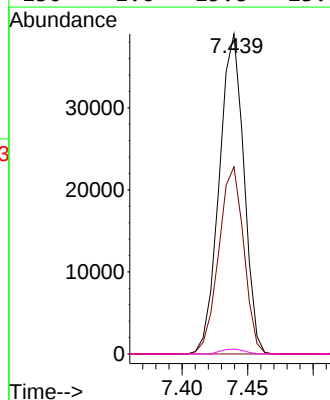
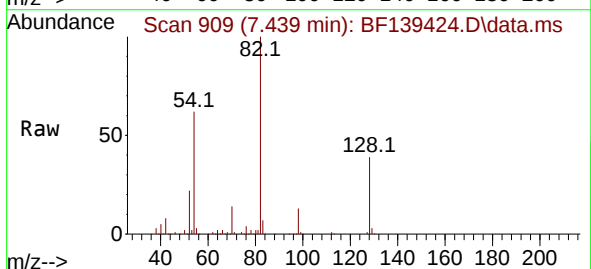
Instrument :
BNA_F
ClientSampleId :
SW-3-TANK17

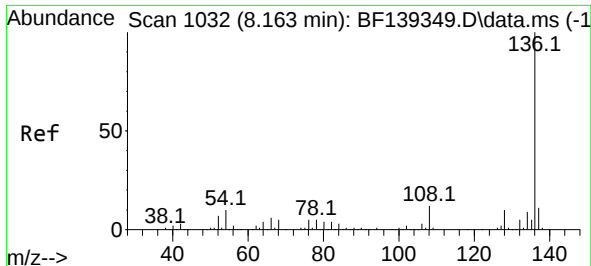
Tgt Ion: 99 Resp: 537967
Ion Ratio Lower Upper
99 100
42 26.2 21.9 32.9
71 41.7 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.254 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF139424.D
Acq: 18 Sep 2024 13:49

Tgt Ion: 70 Resp: 50902
Ion Ratio Lower Upper
70 100
42 58.5 61.2 91.8#
101 0.0 7.5 11.3#
130 1.6 15.8 23.8#

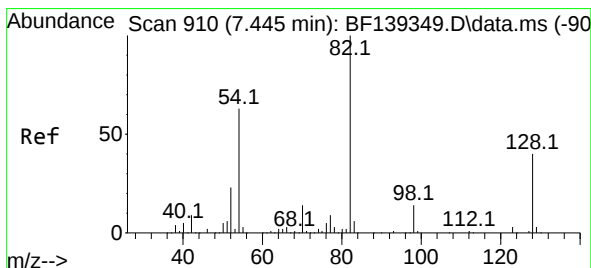
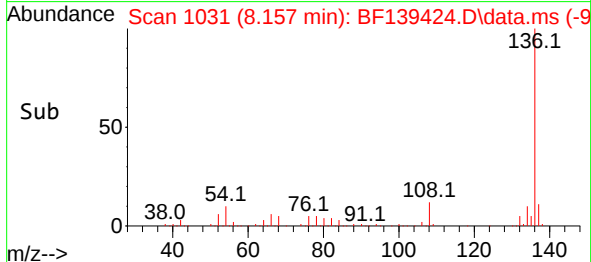
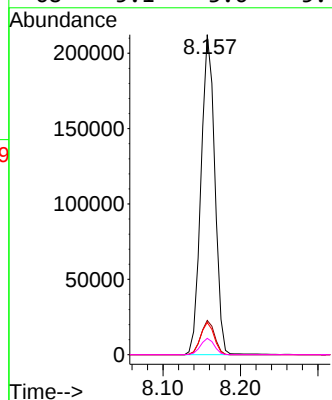
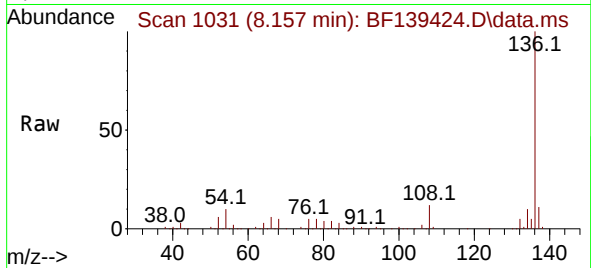




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139424.D
Acq: 18 Sep 2024 13:49

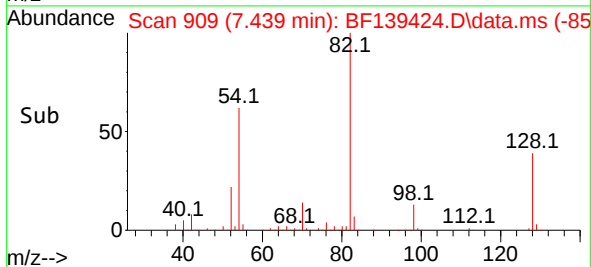
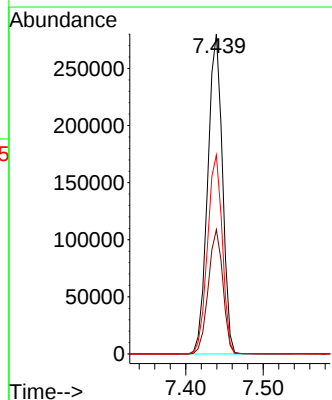
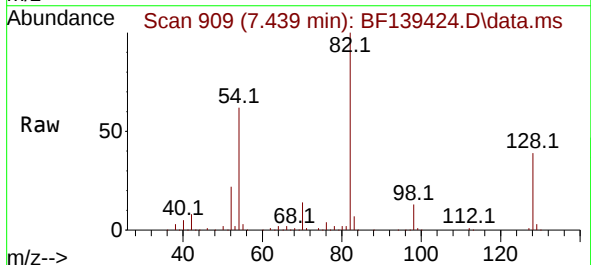
Instrument :
BNA_F
ClientSampleId :
SW-3-TANK17

Tgt Ion:	136	Resp:	263075
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	10.0	7.8	11.8
68	5.1	3.6	5.4



#23
Nitrobenzene-d5
Concen: 66.067 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139424.D
Acq: 18 Sep 2024 13:49

Tgt Ion:	82	Resp:	369707
Ion	Ratio	Lower	Upper
82	100		
128	38.8	31.8	47.6
54	62.2	50.6	75.8

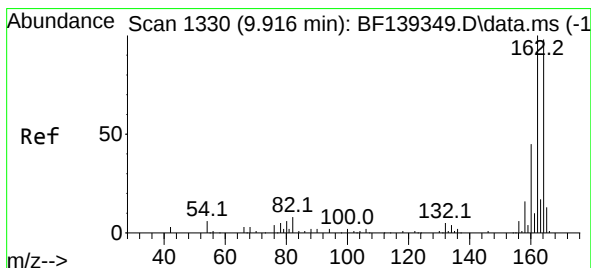
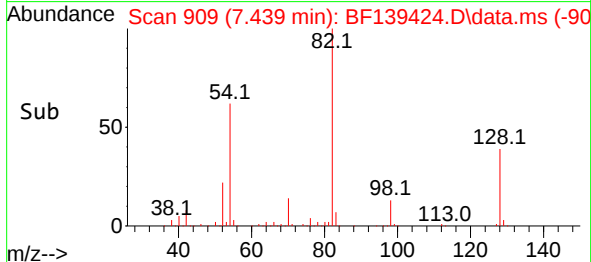
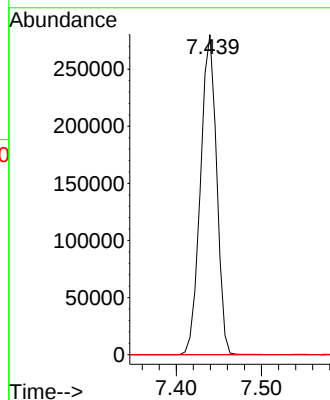
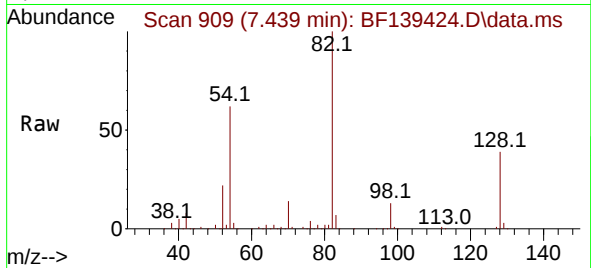




#25
Isophorone
Concen: 41.634 ng
RT: 7.439 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF139424.D
Acq: 18 Sep 2024 13:49

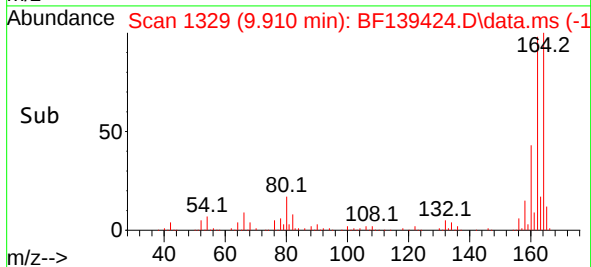
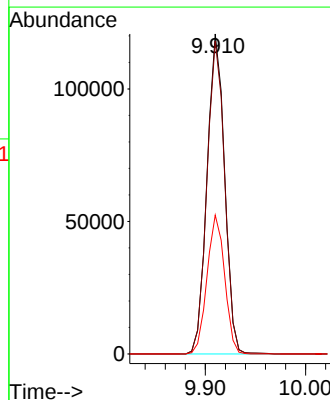
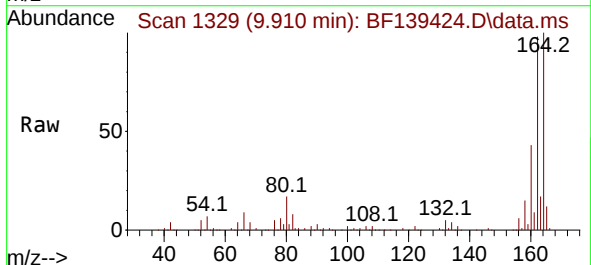
Instrument :
BNA_F
ClientSampleId :
SW-3-TANK17

Tgt Ion: 82 Resp: 368467
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: BF139424.D
Acq: 18 Sep 2024 13:49

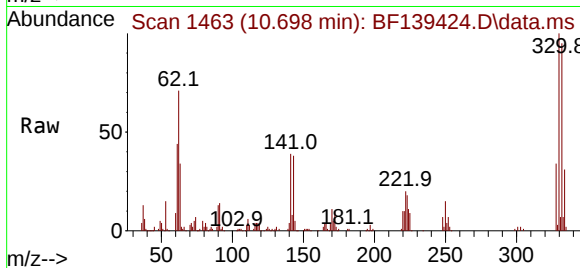
Tgt Ion:164 Resp: 147573
Ion Ratio Lower Upper
164 100
162 97.8 81.3 121.9
160 43.4 36.4 54.6



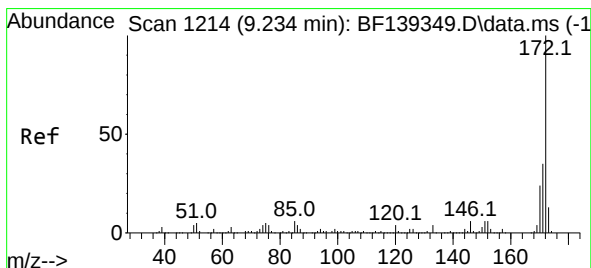
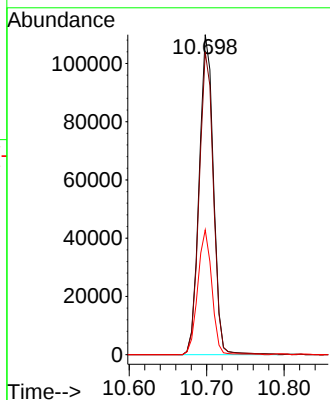
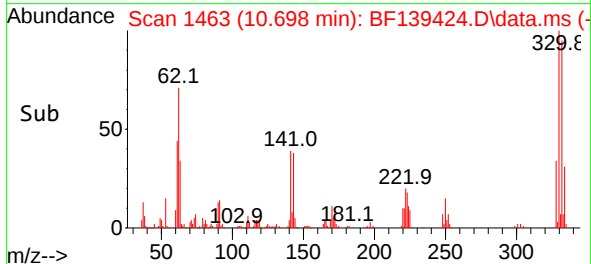


#42
2,4,6-Tribromophenol
Concen: 89.268 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139424.D
Acq: 18 Sep 2024 13:49

Instrument :
BNA_F
ClientSampleId :
SW-3-TANK17

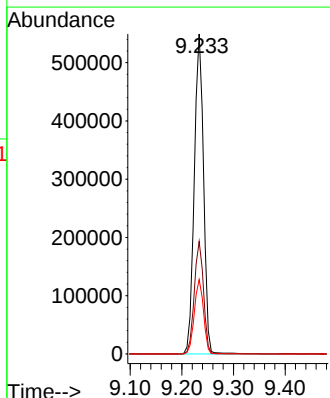
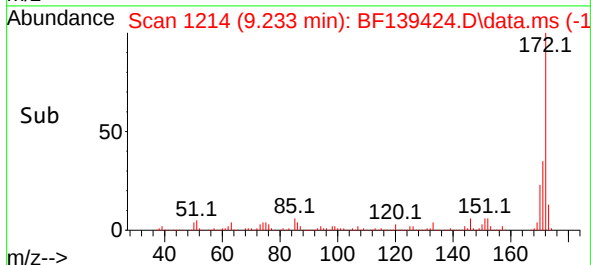
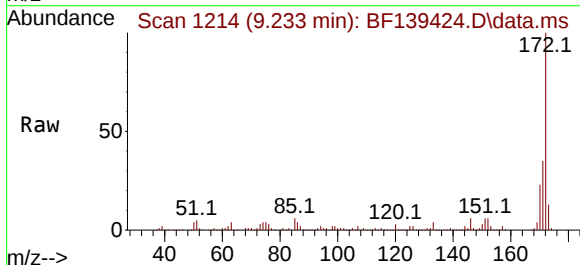


Tgt Ion:330 Resp: 140248
Ion Ratio Lower Upper
330 100
332 95.0 75.2 112.8
141 38.6 31.2 46.8



#45
2-Fluorobiphenyl
Concen: 65.145 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139424.D
Acq: 18 Sep 2024 13:49

Tgt Ion:172 Resp: 685451
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 23.2 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.564 ng

RT: 9.910 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF139424.D

Acq: 18 Sep 2024 13:49

Instrument :

BNA_F

ClientSampleId :

SW-3-TANK17

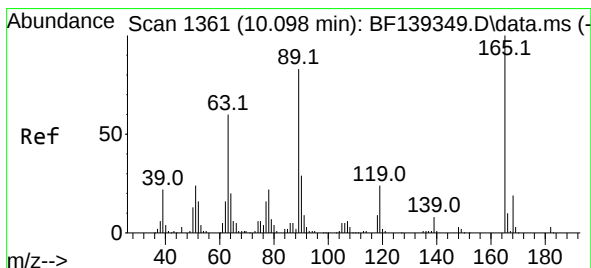
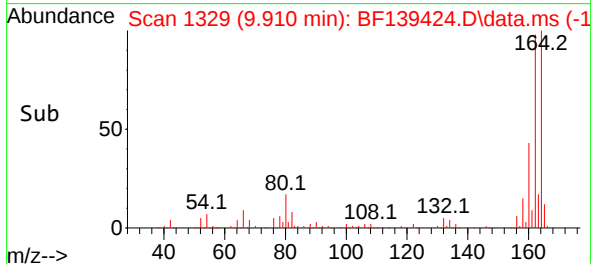
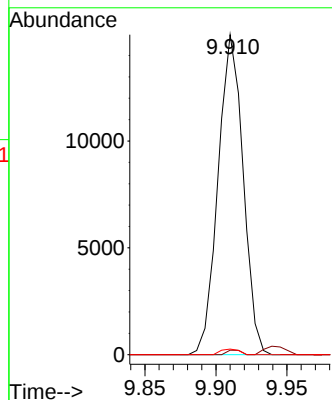
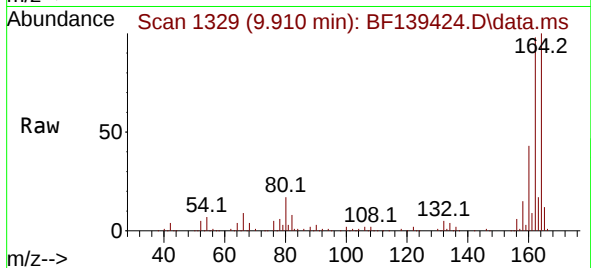
Tgt Ion:165 Resp: 18375

Ion Ratio Lower Upper

165 100

63 1.4 60.9 91.3#

89 1.7 54.7 82.1#



#57

2,4-Dinitrotoluene

Concen: 6.343 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.188 min

Lab File: BF139424.D

Acq: 18 Sep 2024 13:49

Tgt Ion:165 Resp: 18375

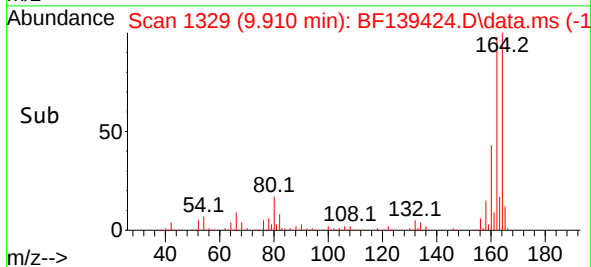
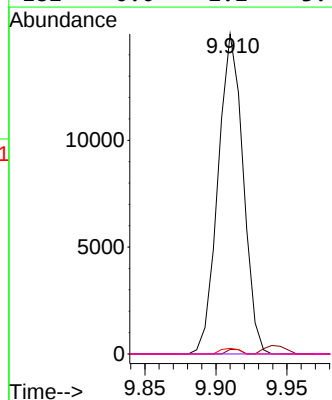
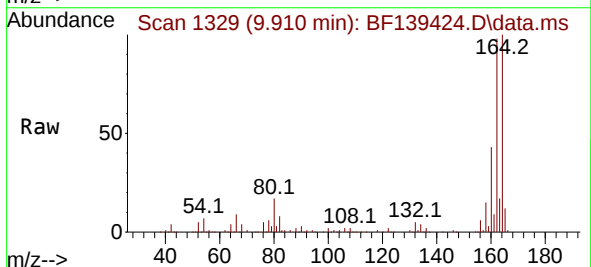
Ion Ratio Lower Upper

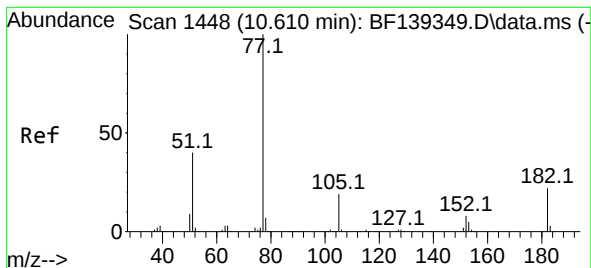
165 100

63 1.4 47.8 71.6#

89 1.7 66.7 100.1#

182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 2.443 ng

RT: 10.622 min Scan# 1448

Delta R.T. 0.012 min

Lab File: BF139424.D

Acq: 18 Sep 2024 13:49

Instrument :

BNA_F

ClientSampleId :

SW-3-TANK17

Tgt Ion: 77 Resp: 24018

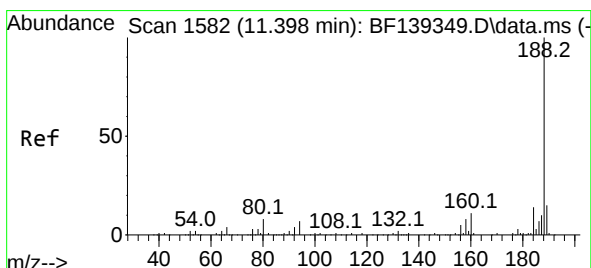
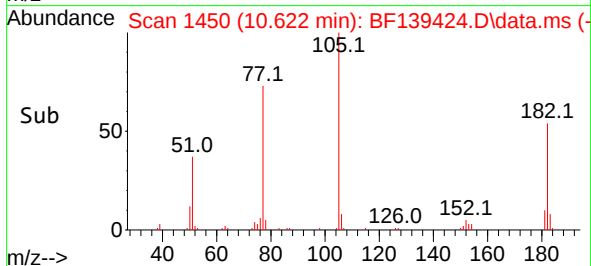
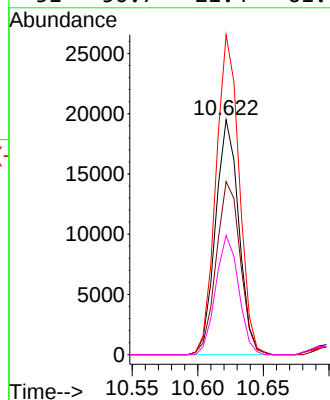
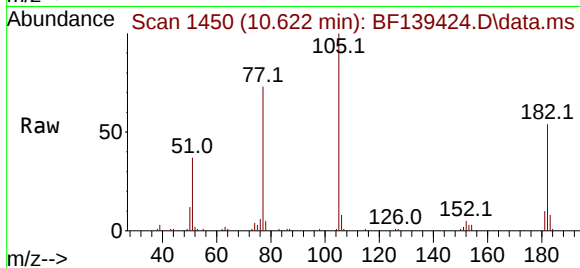
Ion Ratio Lower Upper

77 100

182 73.7 1.8 41.8#

105 136.2 0.0 38.6#

51 50.7 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: BF139424.D

Acq: 18 Sep 2024 13:49

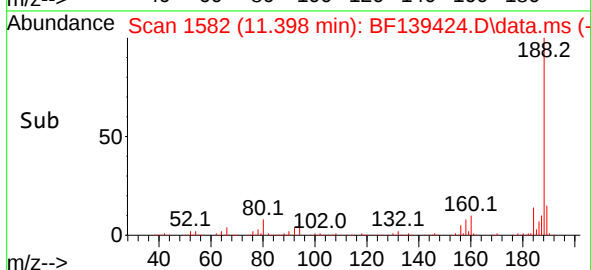
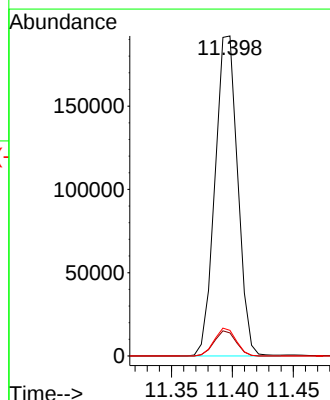
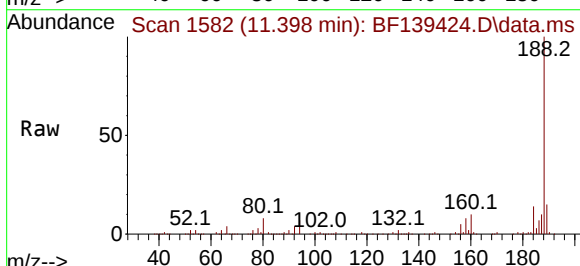
Tgt Ion: 188 Resp: 249192

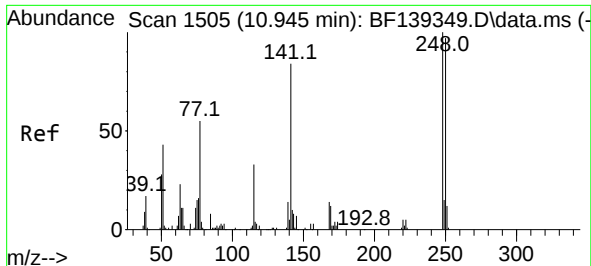
Ion Ratio Lower Upper

188 100

94 7.2 5.5 8.3

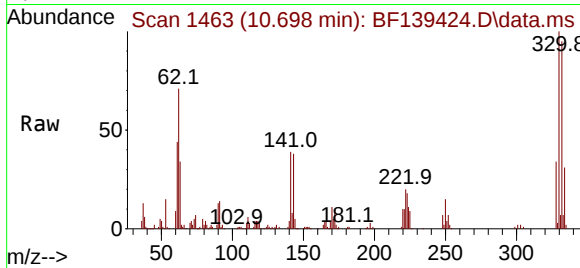
80 8.0 6.6 9.8



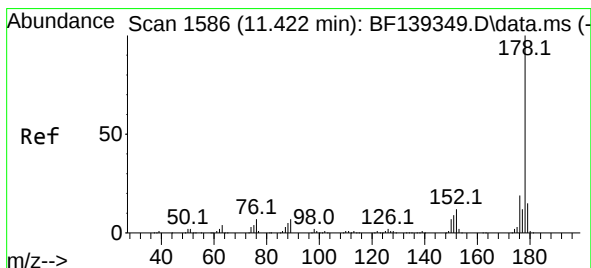
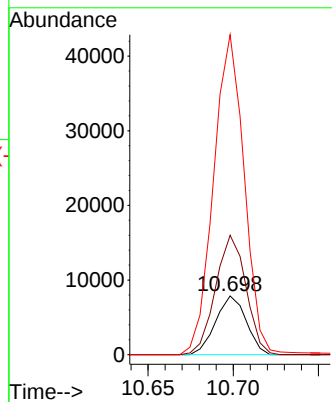
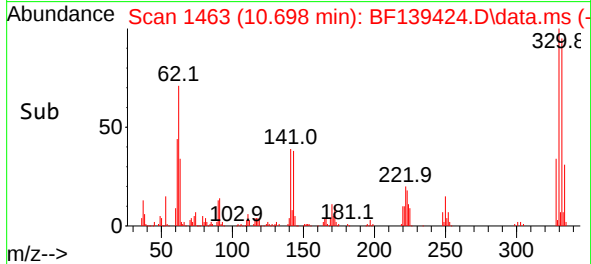


#67
4-Bromophenyl-phenylether
Concen: 3.973 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF139424.D
Acq: 18 Sep 2024 13:49

Instrument :
BNA_F
ClientSampleId :
SW-3-TANK17

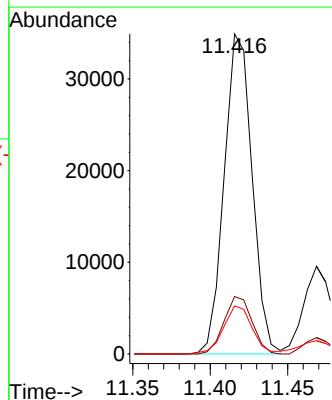
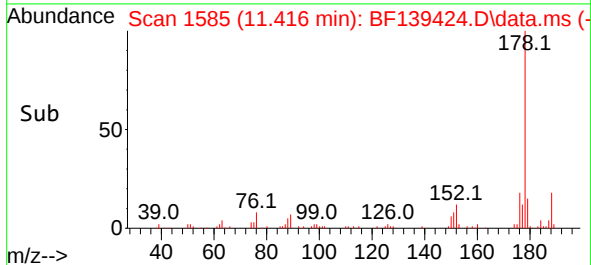
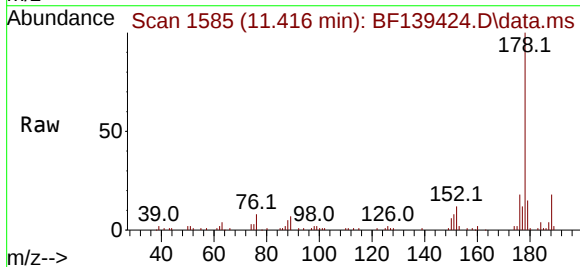


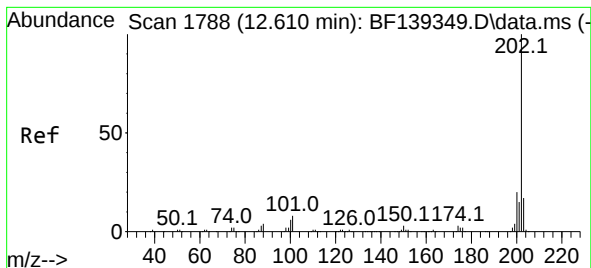
Tgt Ion:248 Resp: 9812
Ion Ratio Lower Upper
248 100
250 203.4 77.6 116.4#
141 545.0 66.9 100.3#



#71
Phenanthrene
Concen: 3.639 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139424.D
Acq: 18 Sep 2024 13:49

Tgt Ion:178 Resp: 43753
Ion Ratio Lower Upper
178 100
176 17.9 15.2 22.8
179 15.0 12.2 18.4





#75

Fluoranthene

Concen: 5.151 ng

RT: 12.604 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139424.D

Acq: 18 Sep 2024 13:49

Instrument :

BNA_F

ClientSampleId :

SW-3-TANK17

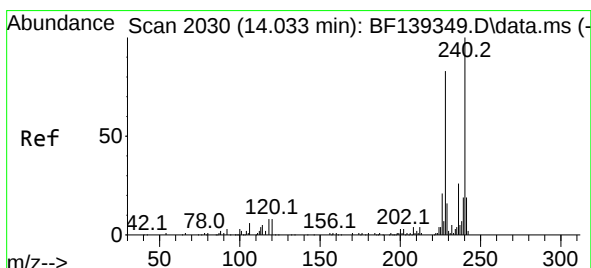
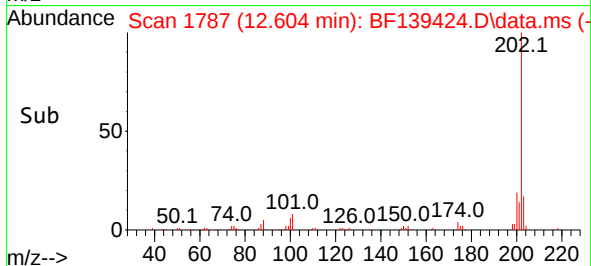
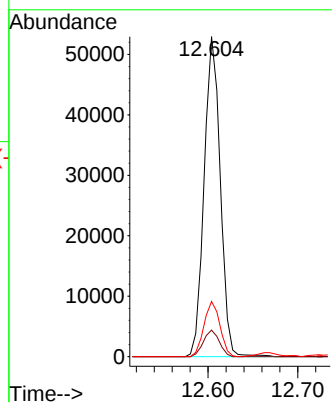
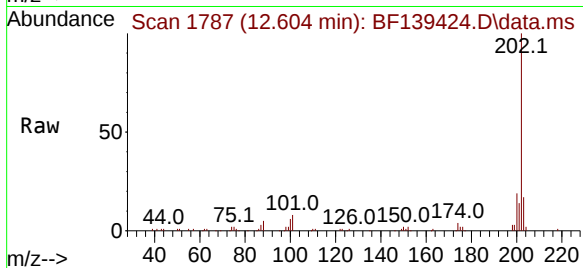
Tgt Ion:202 Resp: 66137

Ion Ratio Lower Upper

202 100

101 8.3 0.0 27.7

203 17.3 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: BF139424.D

Acq: 18 Sep 2024 13:49

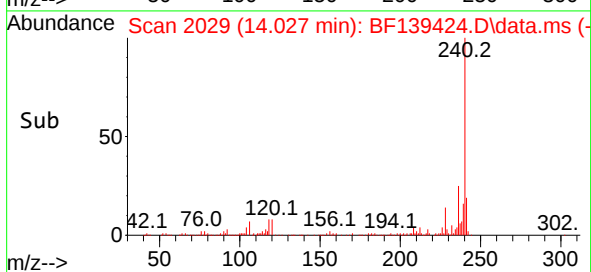
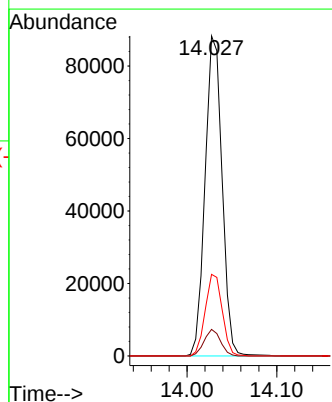
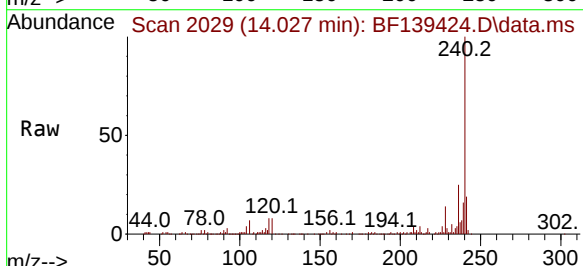
Tgt Ion:240 Resp: 116239

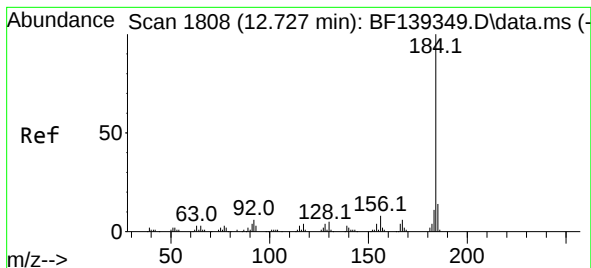
Ion Ratio Lower Upper

240 100

120 8.3 6.2 9.2

236 25.5 20.9 31.3





#77

Benzidine

Concen: 4.724 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.253 min

Lab File: BF139424.D

Acq: 18 Sep 2024 13:49

Instrument :

BNA_F

ClientSampleId :

SW-3-TANK17

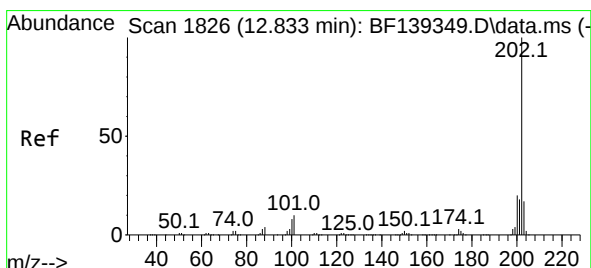
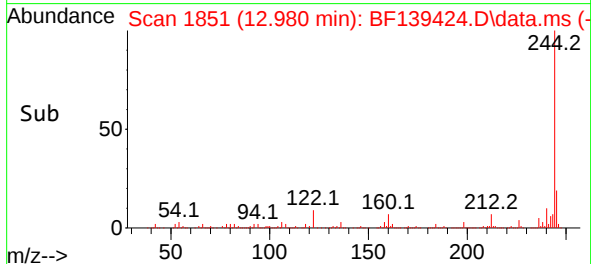
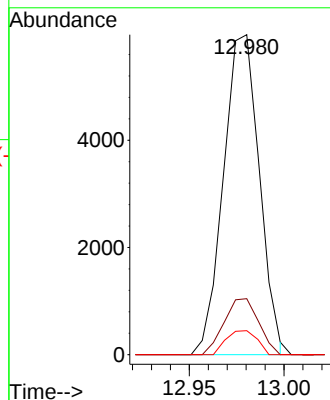
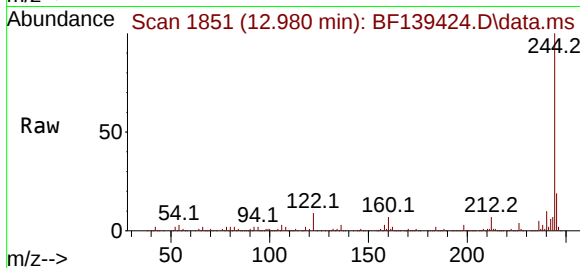
Tgt Ion:184 Resp: 7868

Ion Ratio Lower Upper

184 100

185 17.5 11.5 17.3#

183 7.5 8.9 13.3#



#78

Pyrene

Concen: 4.888 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF139424.D

Acq: 18 Sep 2024 13:49

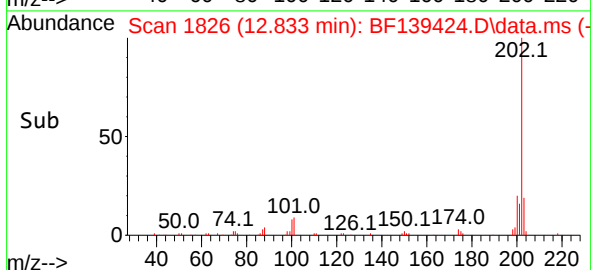
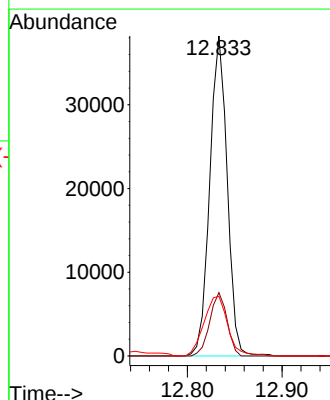
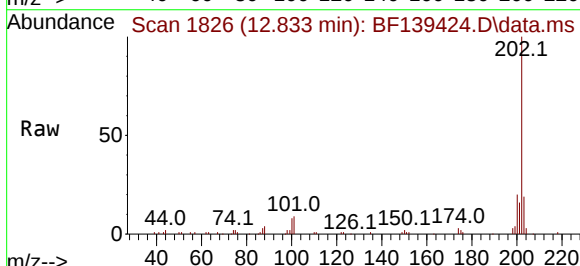
Tgt Ion:202 Resp: 48784

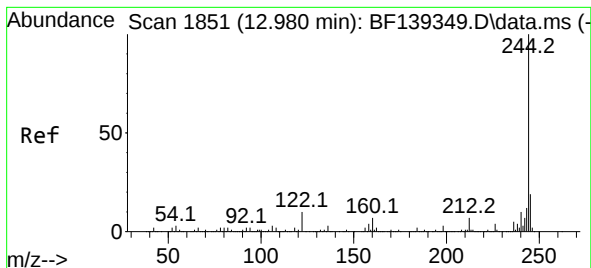
Ion Ratio Lower Upper

202 100

200 19.8 16.2 24.2

203 18.7 13.9 20.9





#79

Terphenyl-d14

Concen: 70.074 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139424.D

Acq: 18 Sep 2024 13:49

Instrument :

BNA_F

ClientSampleId :

SW-3-TANK17

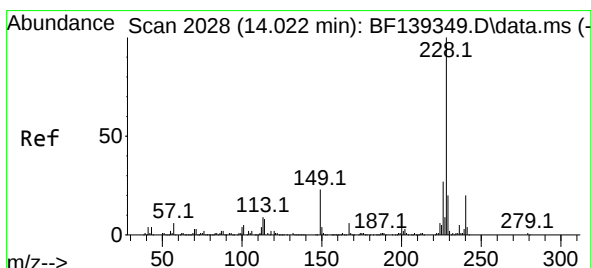
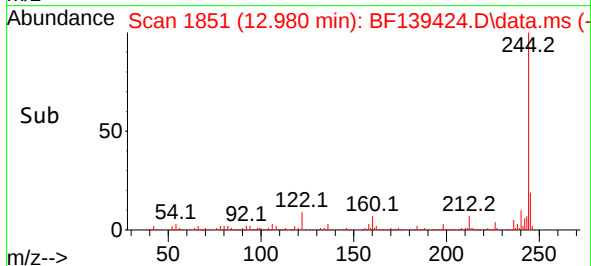
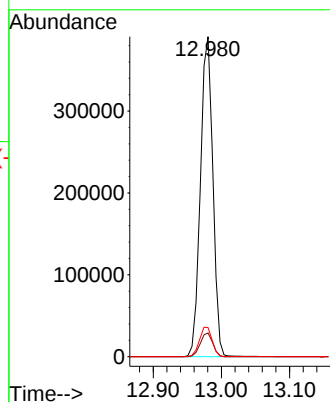
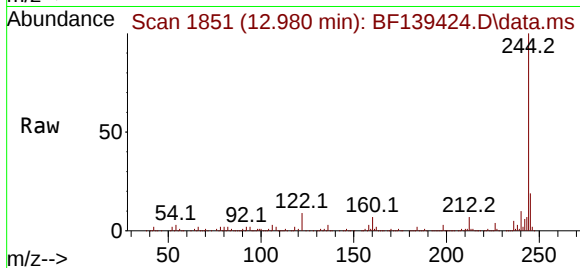
Tgt Ion:244 Resp: 496249

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 9.1 7.6 11.4



#81

Benzo(a)anthracene

Concen: 3.536 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF139424.D

Acq: 18 Sep 2024 13:49

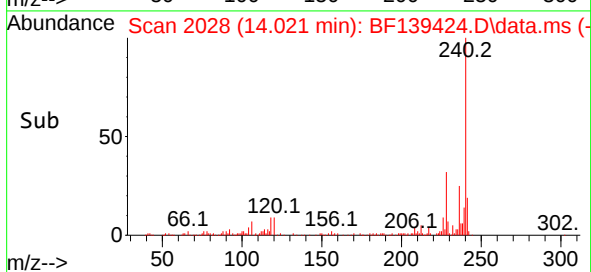
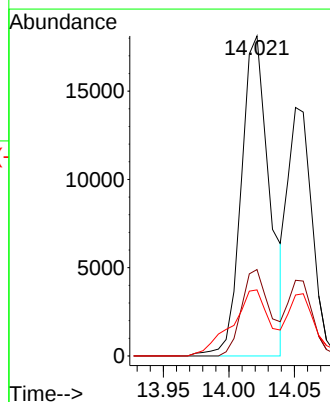
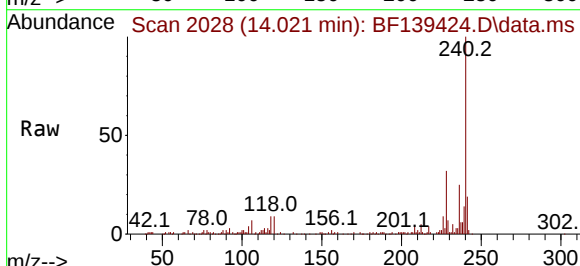
Tgt Ion:228 Resp: 27226

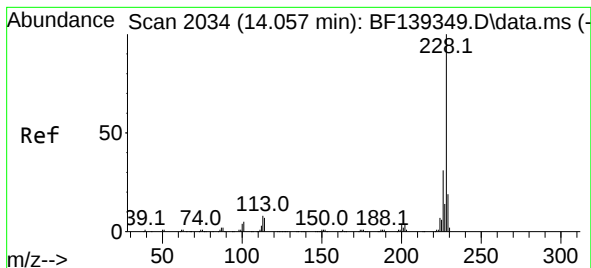
Ion Ratio Lower Upper

228 100

226 27.0 21.6 32.4

229 20.7 15.7 23.5





#83

Chrysene

Concen: 3.843 ng

RT: 14.021 min Scan# 2034

Delta R.T. -0.035 min

Lab File: BF139424.D

Acq: 18 Sep 2024 13:49

Instrument :

BNA_F

ClientSampleId :

SW-3-TANK17

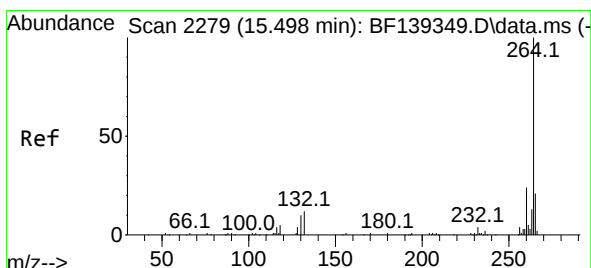
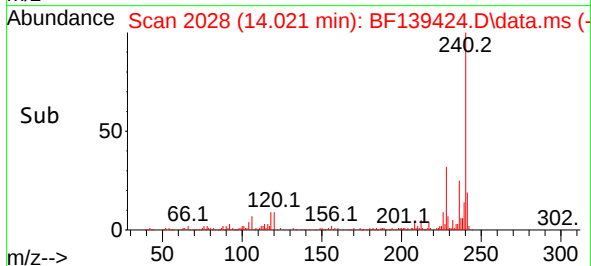
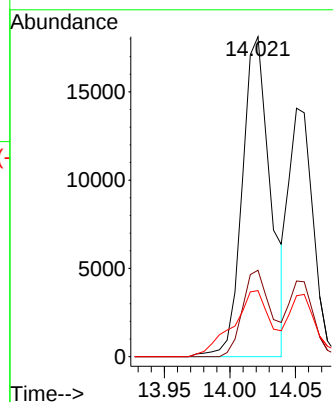
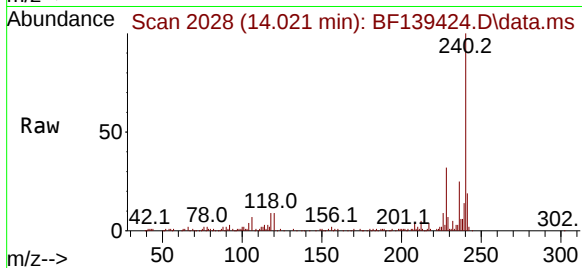
Tgt Ion:228 Resp: 27226

Ion Ratio Lower Upper

228 100

226 27.0 24.1 36.1

229 20.7 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: BF139424.D

Acq: 18 Sep 2024 13:49

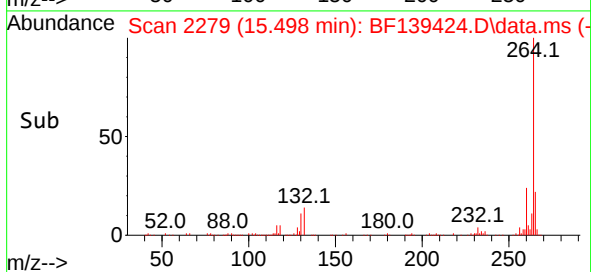
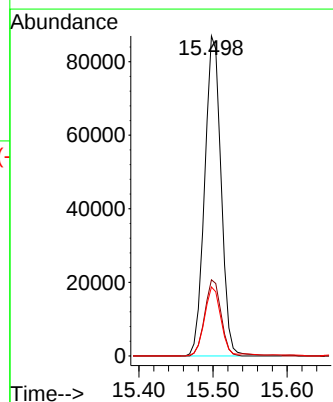
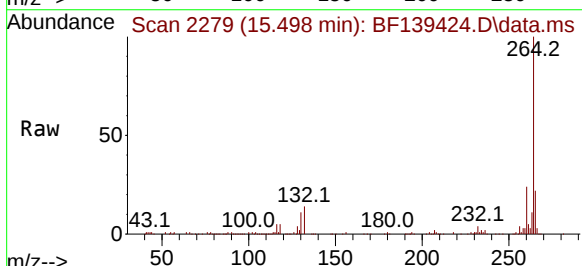
Tgt Ion:264 Resp: 133787

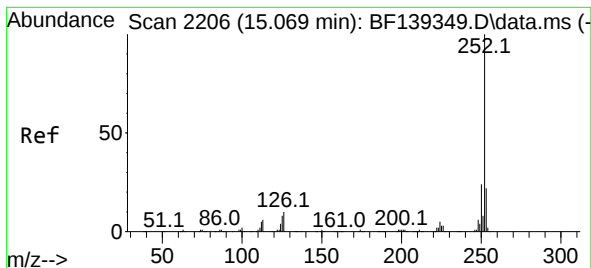
Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

265 21.5 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 4.459 ng

RT: 15.068 min Scan# 2206

Delta R.T. -0.000 min

Lab File: BF139424.D

Acq: 18 Sep 2024 13:49

Instrument :

BNA_F

ClientSampleId :

SW-3-TANK17

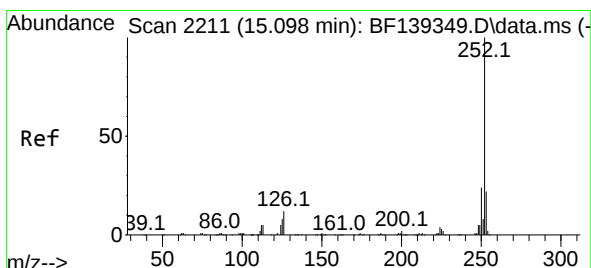
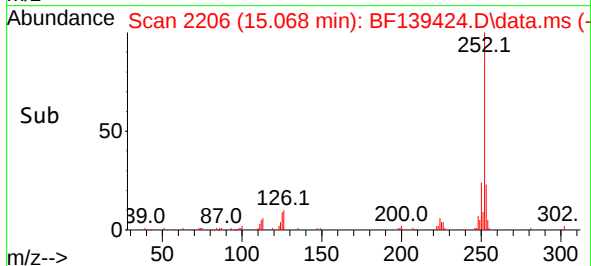
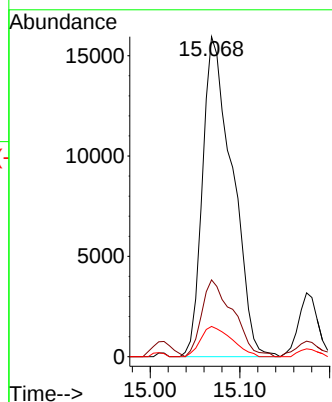
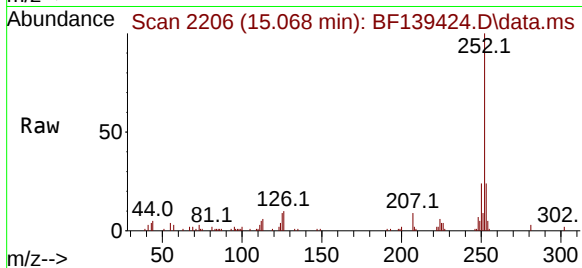
Tgt Ion:252 Resp: 36794

Ion Ratio Lower Upper

252 100

253 24.0 17.6 26.4

125 9.5 6.2 9.2#



#89

Benzo(k)fluoranthene

Concen: 4.836 ng

RT: 15.068 min Scan# 2206

Delta R.T. -0.030 min

Lab File: BF139424.D

Acq: 18 Sep 2024 13:49

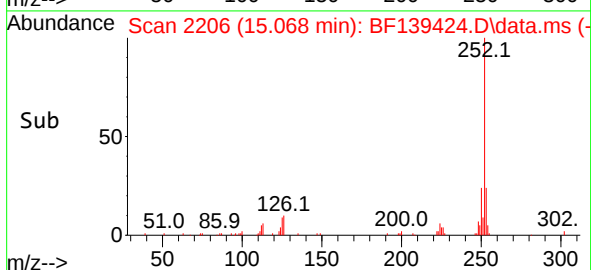
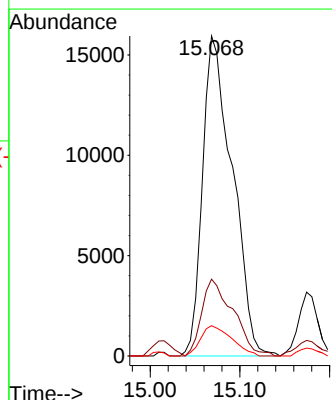
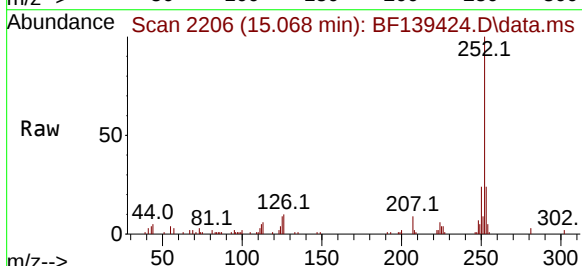
Tgt Ion:252 Resp: 36794

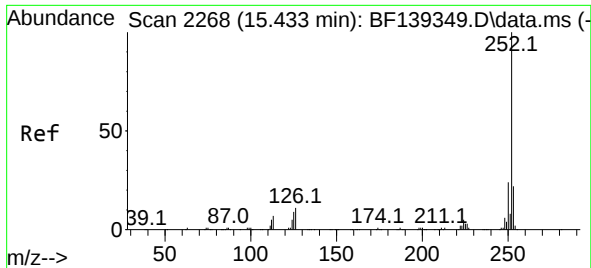
Ion Ratio Lower Upper

252 100

253 24.0 17.3 25.9

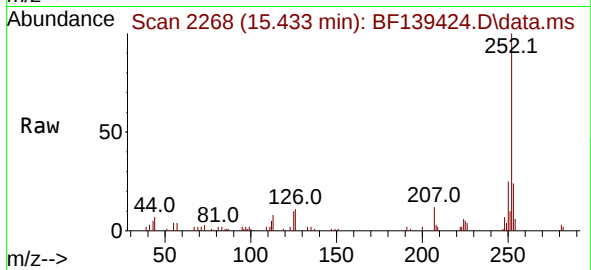
125 9.5 5.9 8.9#





#90
 Benzo(a)pyrene
 Concen: 2.786 ng
 RT: 15.433 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF139424.D
 Acq: 18 Sep 2024 13:49

Instrument :
 BNA_F
 ClientSampleId :
 SW-3-TANK17



Tgt Ion:252	Resp:	19062
Ion	Ratio	Lower Upper
252	100	
253	24.4	17.3 25.9
125	10.1	6.8 10.2

