

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092424\
 Data File : BF139525.D
 Acq On : 24 Sep 2024 17:35
 Operator : RC/JU
 Sample : P4149-14
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-7

Quant Time: Sep 24 18:01:39 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)

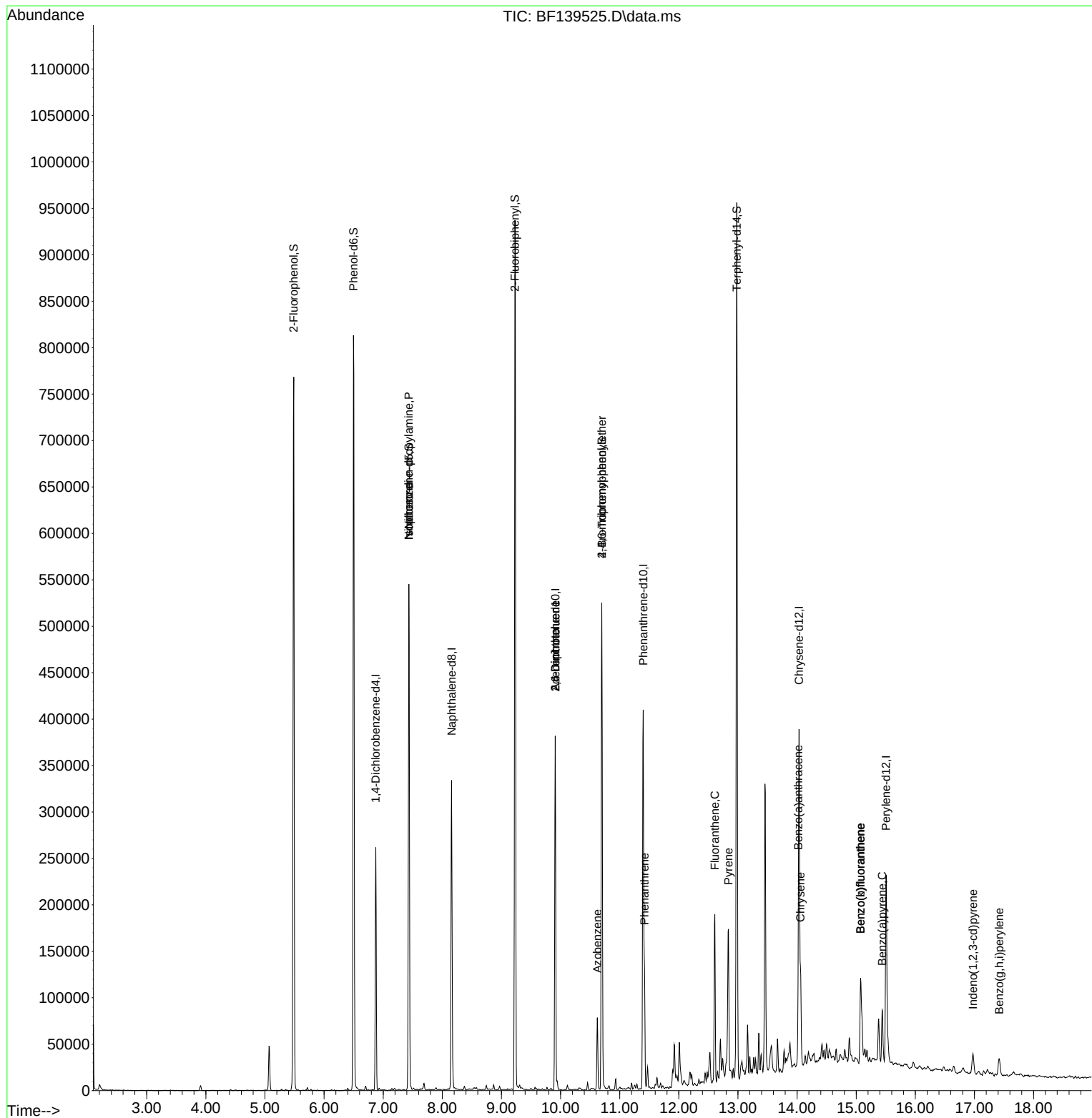
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	49463	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	189904	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	109185	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	214558	20.000	ng	0.00
76) Chrysene-d12	14.033	240	134471	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	119247	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	256655	84.648	ng	0.00
7) Phenol-d6	6.498	99	342032	85.943	ng	0.00
23) Nitrobenzene-d5	7.433	82	218986	54.211	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	77968	67.075	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	410512	52.732	ng	0.00
79) Terphenyl-d14	12.980	244	425668	51.958	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.433	70	29092	12.336	ng	# 76
25) Isophorone	7.433	82	219018	34.283	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	14277	8.993	ng	# 14
57) 2,4-Dinitrotoluene	9.910	165	14277	6.661	ng	# 16
63) Azobenzene	10.621	77	19903	2.736	ng	# 4
67) 4-Bromophenyl-phenylether	10.698	248	5629	2.647	ng	# 1
71) Phenanthrene	11.421	178	66775	6.451	ng	100
75) Fluoranthene	12.610	202	104017	9.409	ng	98
78) Pyrene	12.839	202	94860	8.216	ng	99
81) Benzo(a)anthracene	14.021	228	48724	5.470	ng	99
83) Chrysene	14.057	228	44550	5.436	ng	97
87) Indeno(1,2,3-cd)pyrene	16.974	276	18380	2.592	ng	96
88) Benzo(b)fluoranthene	15.074	252	73039	9.931	ng	# 96
89) Benzo(k)fluoranthene	15.074	252	73039	10.771	ng	# 96
90) Benzo(a)pyrene	15.439	252	35468	5.815	ng	# 98
92) Benzo(g,h,i)perylene	17.421	276	17308	2.983	ng	95

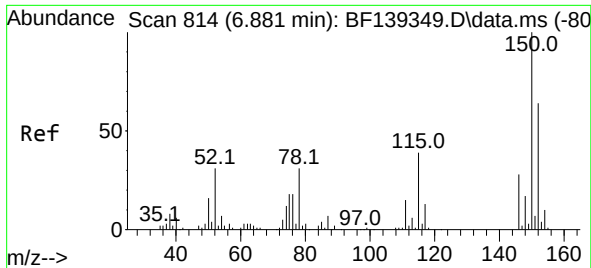
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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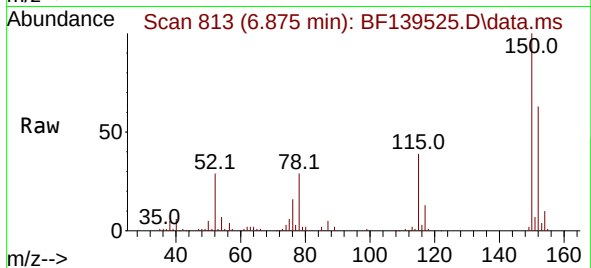
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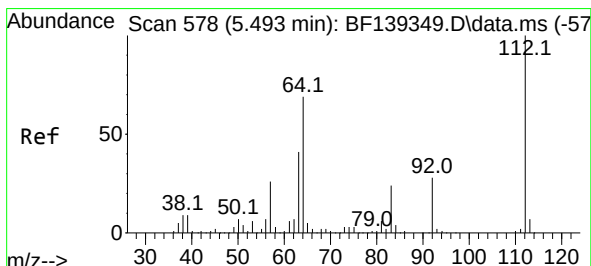
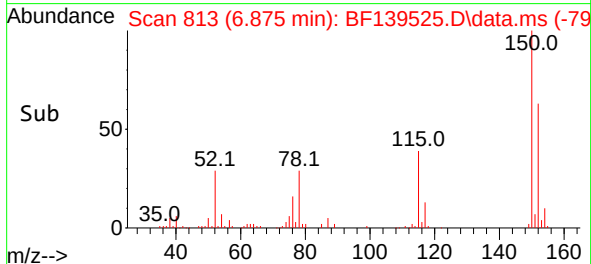
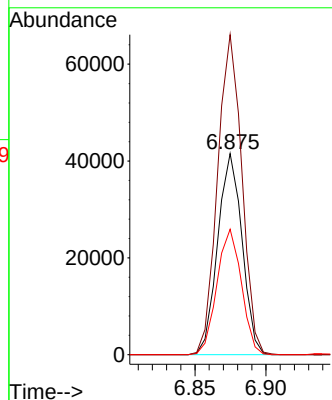


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139525.D
Acq: 24 Sep 2024 17:35

Instrument :
BNA_F
ClientSampleId :
COMP-7

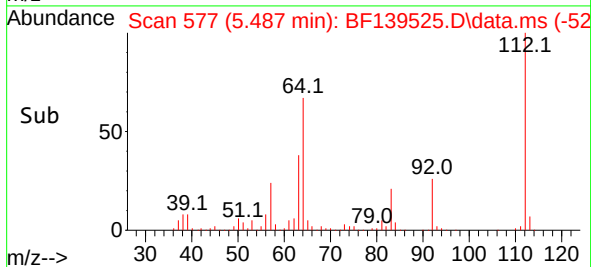
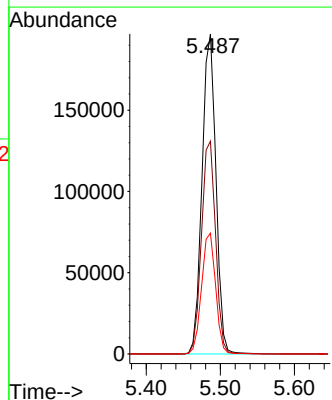
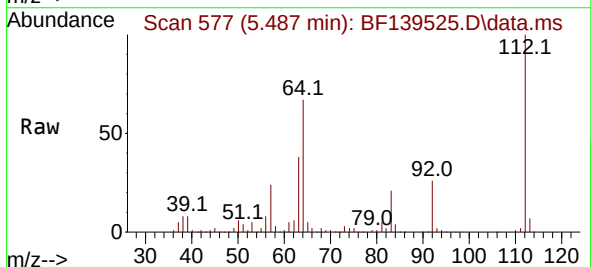


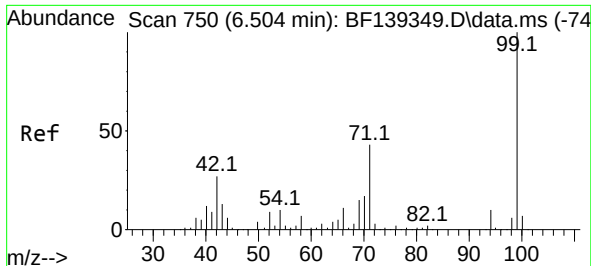
Tgt Ion:152 Resp: 49463
Ion Ratio Lower Upper
152 100
150 159.1 124.1 186.1
115 62.4 48.1 72.1



#5
2-Fluorophenol
Concen: 84.648 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF139525.D
Acq: 24 Sep 2024 17:35

Tgt Ion:112 Resp: 256655
Ion Ratio Lower Upper
112 100
64 66.5 54.8 82.2
63 37.7 33.0 49.4

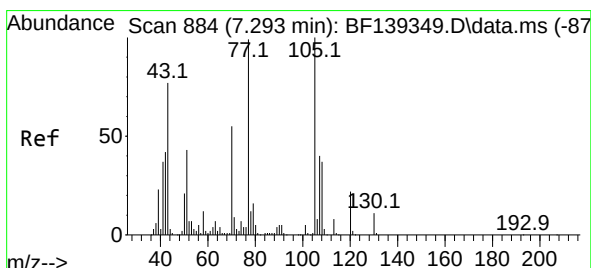
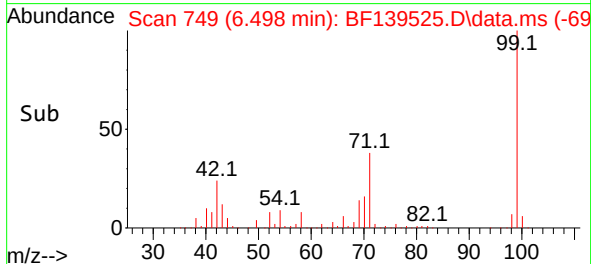
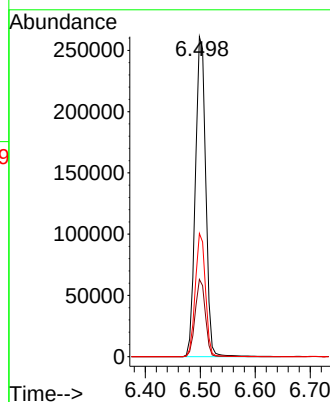
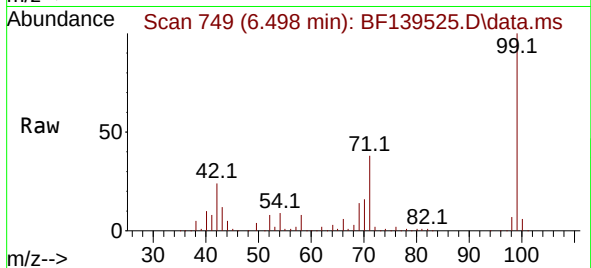




#7
Phenol-d6
Concen: 85.943 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139525.D
Acq: 24 Sep 2024 17:35

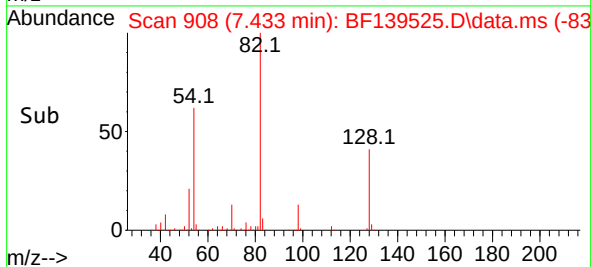
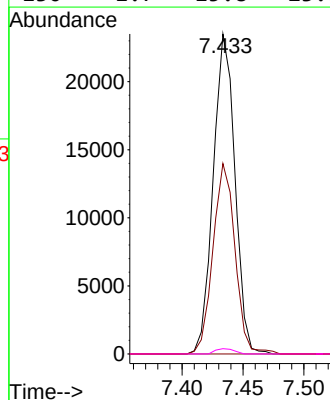
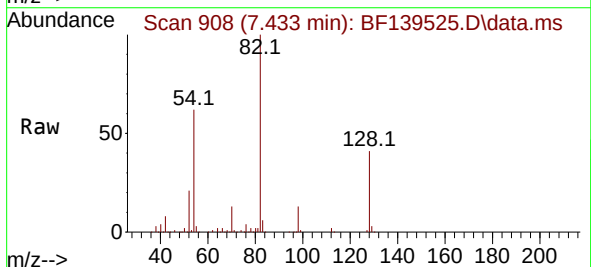
Instrument :
BNA_F
ClientSampleId :
COMP-7

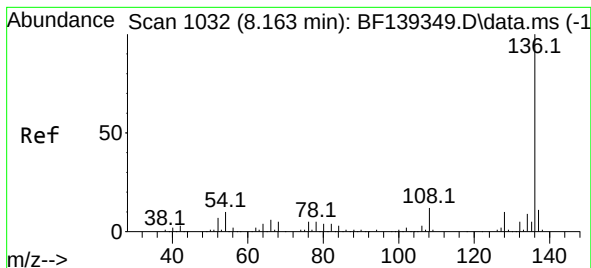
Tgt Ion: 99 Resp: 342032
Ion Ratio Lower Upper
99 100
42 24.2 21.9 32.9
71 38.5 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 12.336 ng
RT: 7.433 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF139525.D
Acq: 24 Sep 2024 17:35

Tgt Ion: 70 Resp: 29092
Ion Ratio Lower Upper
70 100
42 59.5 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: BF139525.D

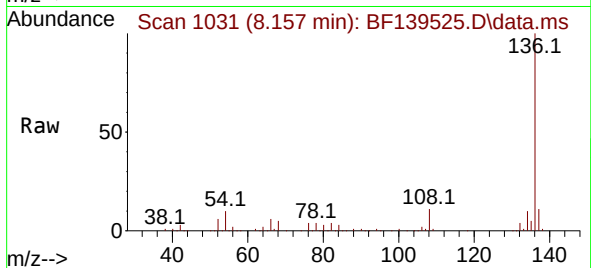
Acq: 24 Sep 2024 17:35

Instrument :

BNA_F

ClientSampleId :

COMP-7



Tgt Ion:136 Resp: 189904

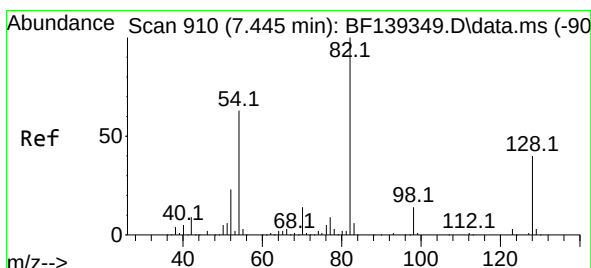
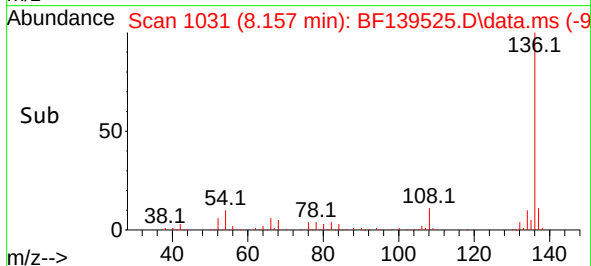
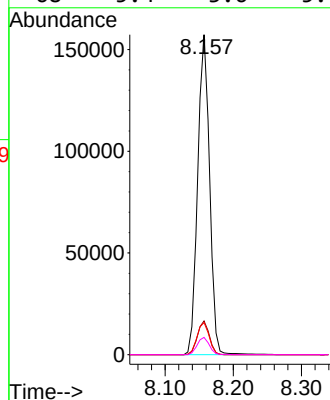
Ion Ratio Lower Upper

136 100

137 10.6 8.6 12.8

54 10.1 7.8 11.8

68 5.4 3.6 5.4#



#23

Nitrobenzene-d5

Concen: 54.211 ng

RT: 7.433 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF139525.D

Acq: 24 Sep 2024 17:35

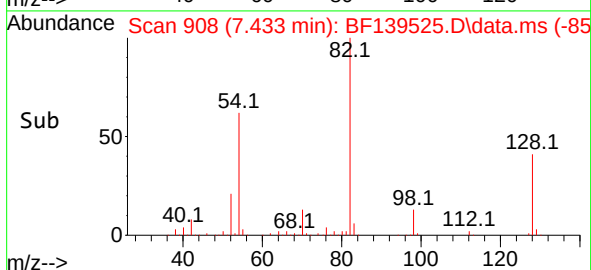
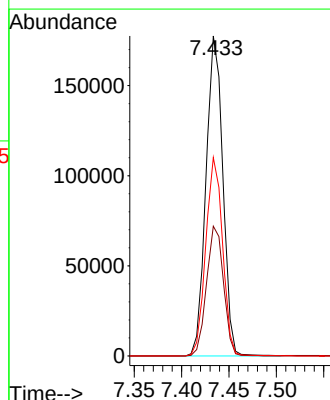
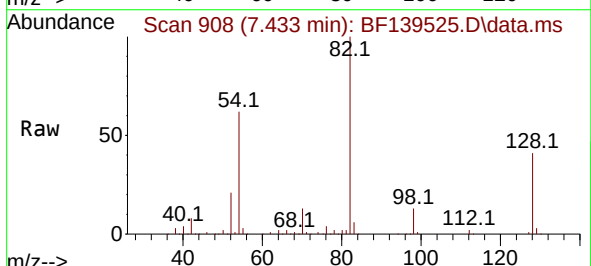
Tgt Ion: 82 Resp: 218986

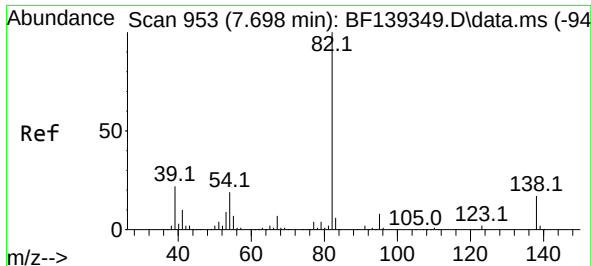
Ion Ratio Lower Upper

82 100

128 40.6 31.8 47.6

54 62.0 50.6 75.8

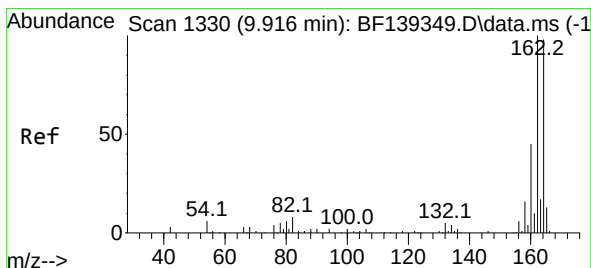
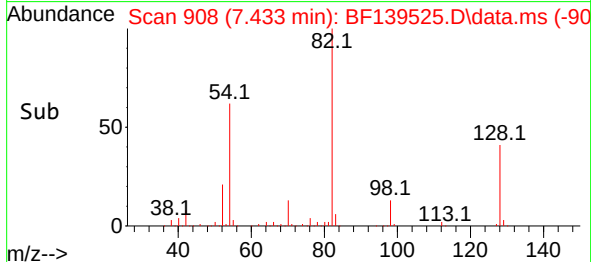
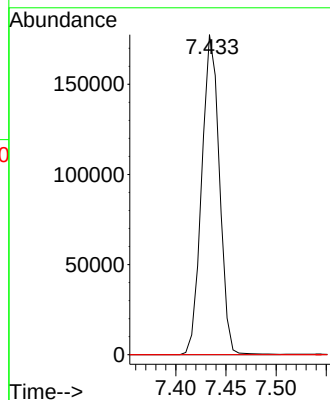
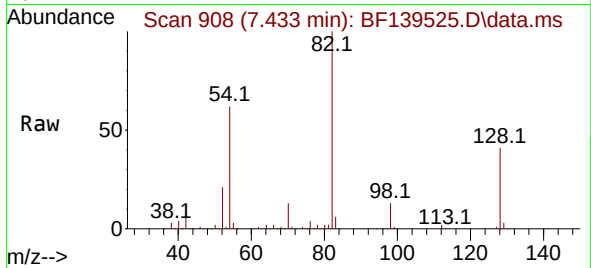




#25
Isophorone
Concen: 34.283 ng
RT: 7.433 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139525.D
Acq: 24 Sep 2024 17:35

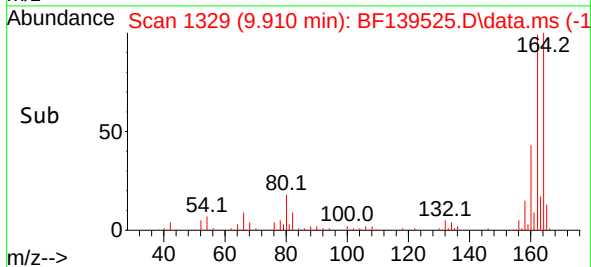
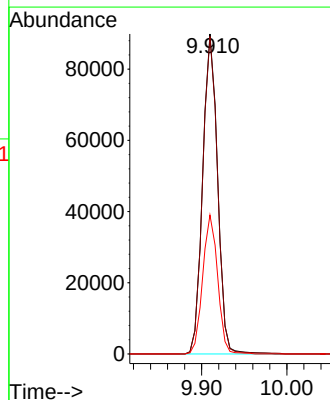
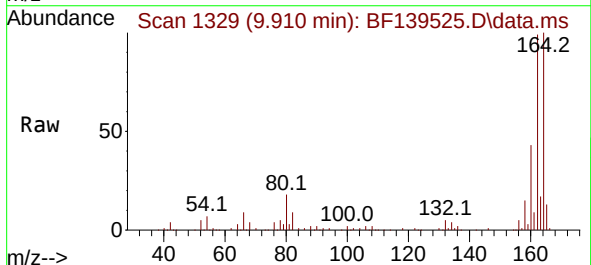
Instrument :
BNA_F
ClientSampleId :
COMP-7

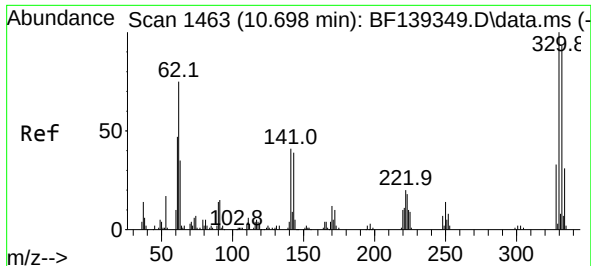
Tgt Ion: 82 Resp: 219018
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139525.D
Acq: 24 Sep 2024 17:35

Tgt Ion:164 Resp: 109185
Ion Ratio Lower Upper
164 100
162 99.2 81.3 121.9
160 43.4 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 67.075 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.000 min

Lab File: BF139525.D

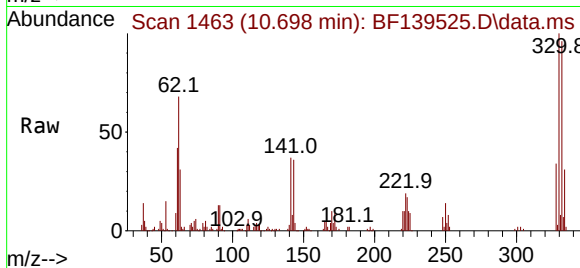
Acq: 24 Sep 2024 17:35

Instrument :

BNA_F

ClientSampleId :

COMP-7



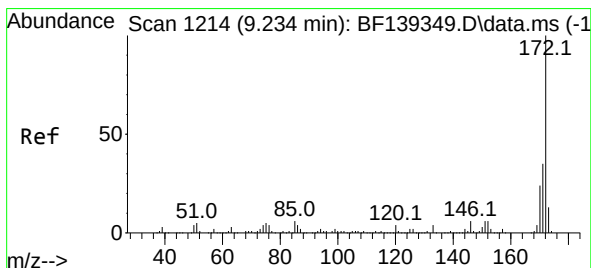
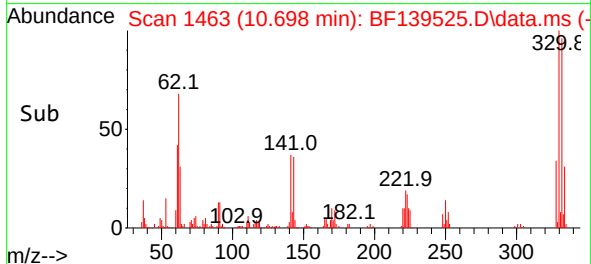
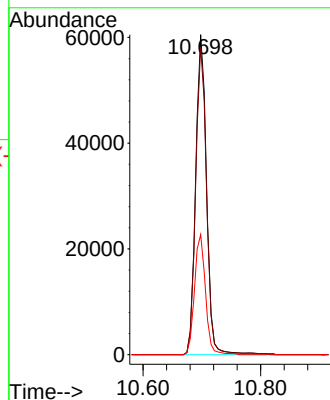
Tgt Ion:330 Resp: 77968

Ion Ratio Lower Upper

330 100

332 96.0 75.2 112.8

141 37.7 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 52.732 ng

RT: 9.227 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF139525.D

Acq: 24 Sep 2024 17:35

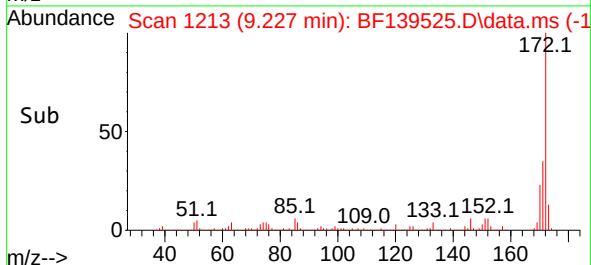
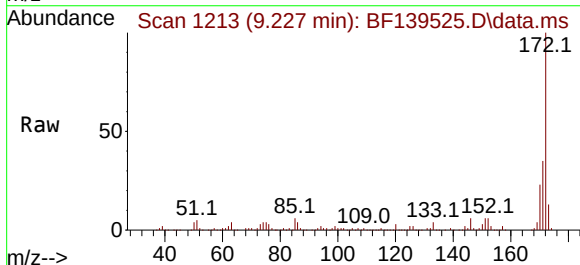
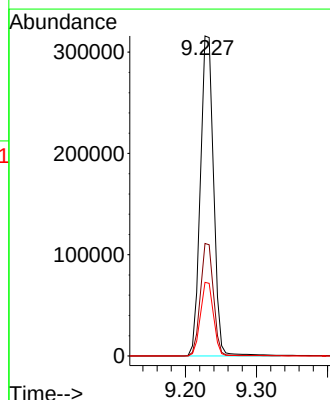
Tgt Ion:172 Resp: 410512

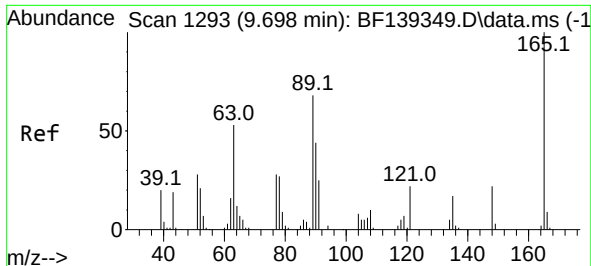
Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

170 23.0 19.0 28.6

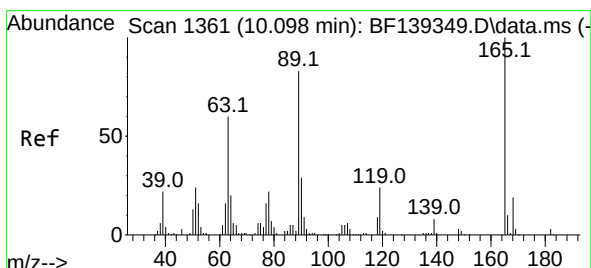
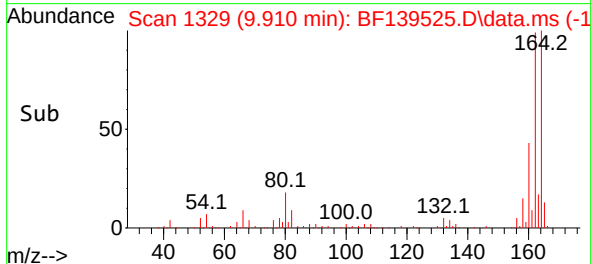
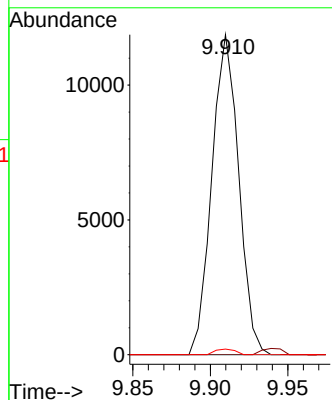
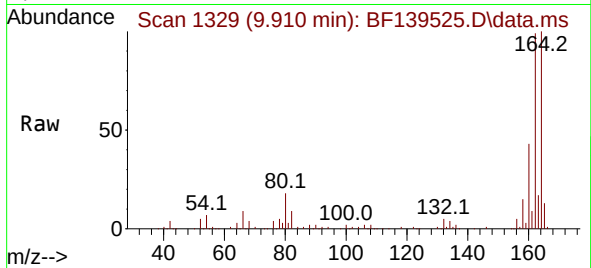




#51
2,6-Dinitrotoluene
Concen: 8.993 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.211 min
Lab File: BF139525.D
Acq: 24 Sep 2024 17:35

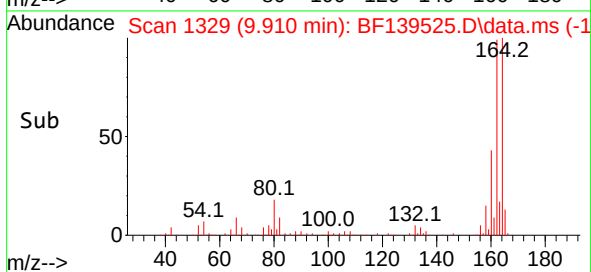
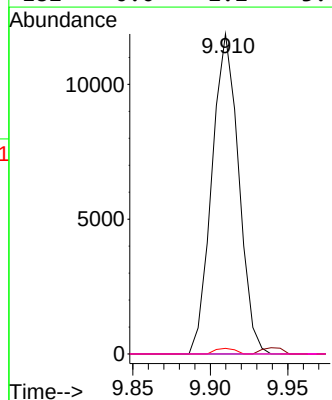
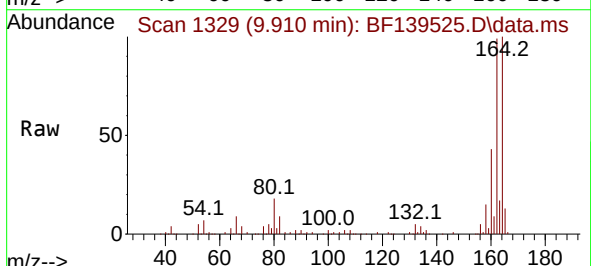
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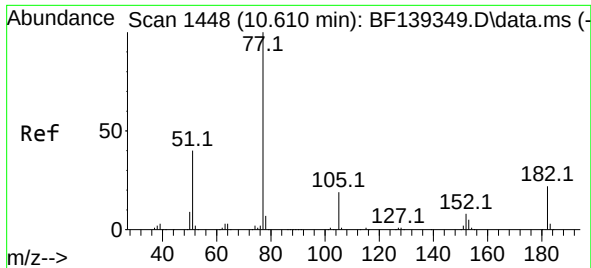
Tgt Ion:165 Resp: 14277
Ion Ratio Lower Upper
165 100
63 0.0 60.9 91.3#
89 1.8 54.7 82.1#



#57
2,4-Dinitrotoluene
Concen: 6.661 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF139525.D
Acq: 24 Sep 2024 17:35

Tgt Ion:165 Resp: 14277
Ion Ratio Lower Upper
165 100
63 0.0 47.8 71.6#
89 1.8 66.7 100.1#
182 0.0 2.2 3.4#

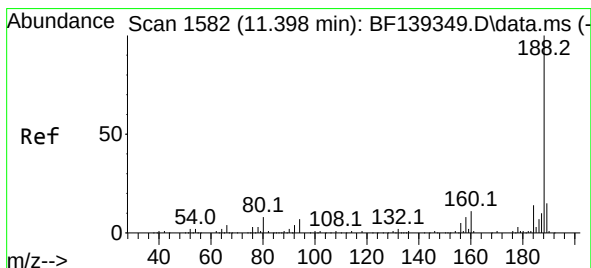
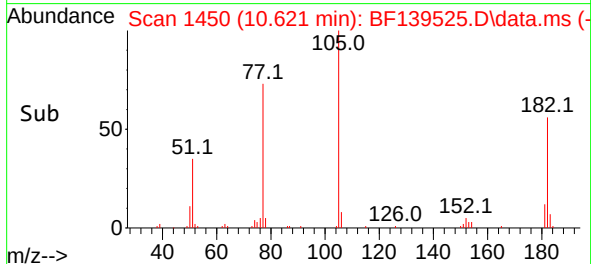
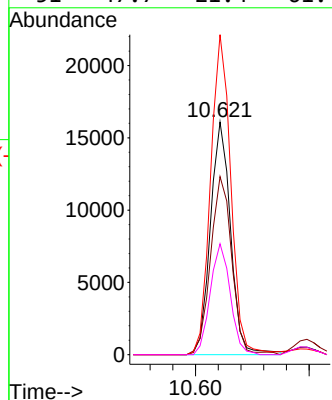
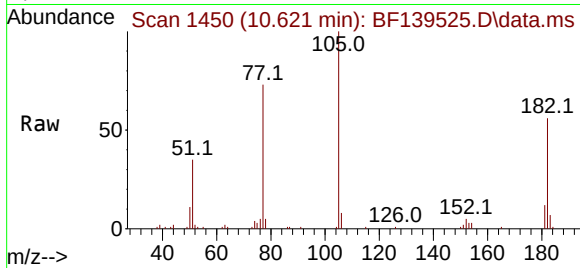




#63
Azobenzene
Concen: 2.736 ng
RT: 10.621 min Scan# 1448
Delta R.T. 0.011 min
Lab File: BF139525.D
Acq: 24 Sep 2024 17:35

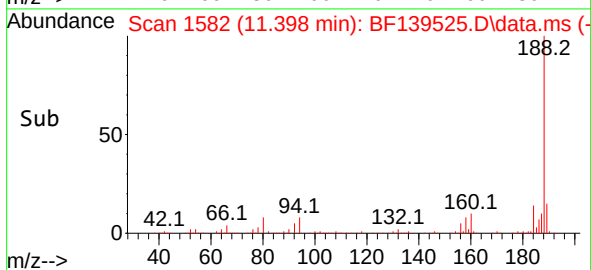
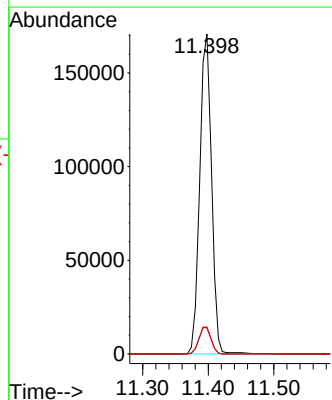
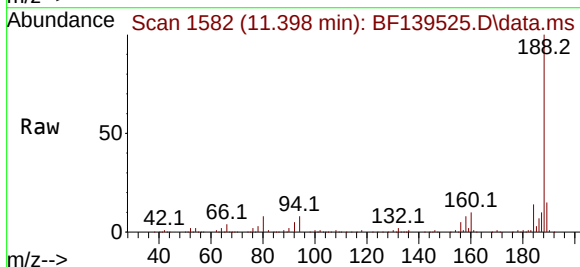
Instrument :
BNA_F
ClientSampleId :
COMP-7

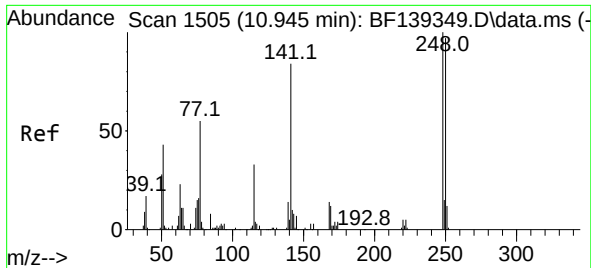
Tgt Ion:	77	Resp:	19903
Ion	Ratio	Lower	Upper
77	100		
182	76.6	1.8	41.8#
105	137.6	0.0	38.6#
51	47.7	21.4	61.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF139525.D
Acq: 24 Sep 2024 17:35

Tgt Ion:	188	Resp:	214558
Ion	Ratio	Lower	Upper
188	100		
94	8.2	5.5	8.3
80	8.5	6.6	9.8

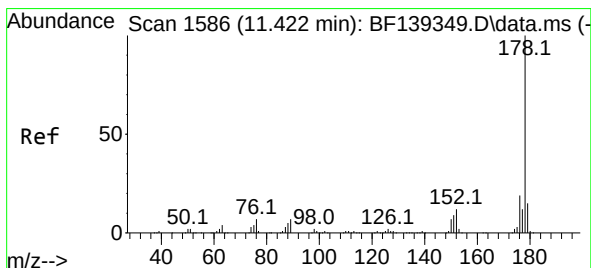
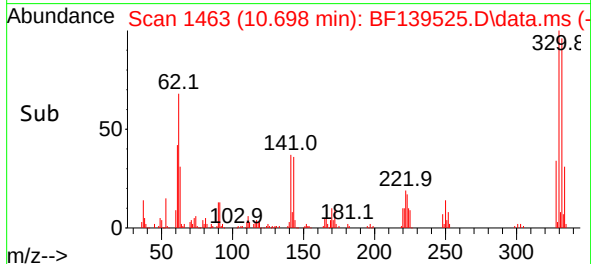
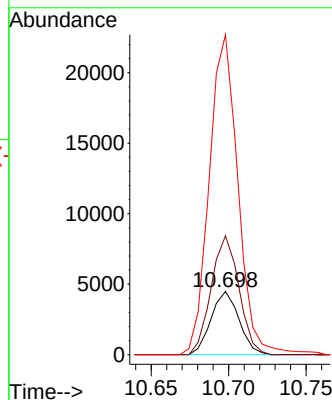
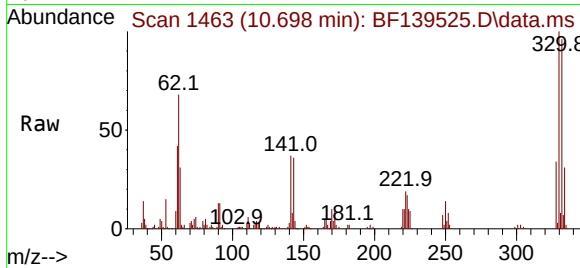




#67
4-Bromophenyl-phenylether
Concen: 2.647 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF139525.D
Acq: 24 Sep 2024 17:35

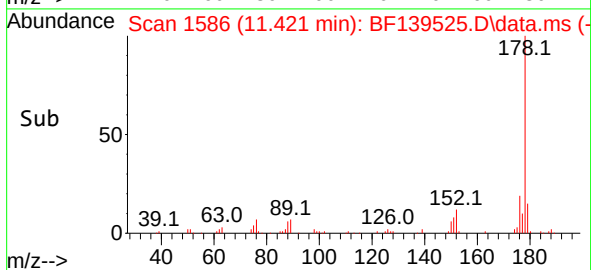
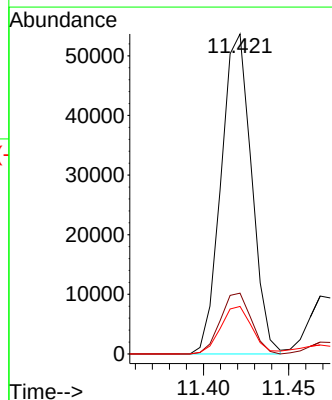
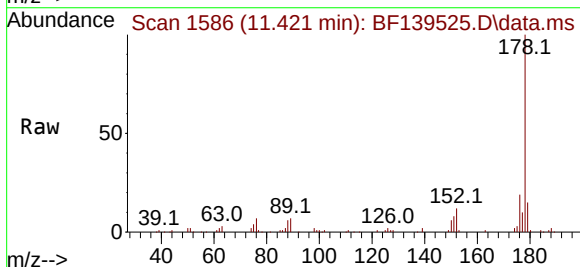
Instrument :
BNA_F
ClientSampleId :
COMP-7

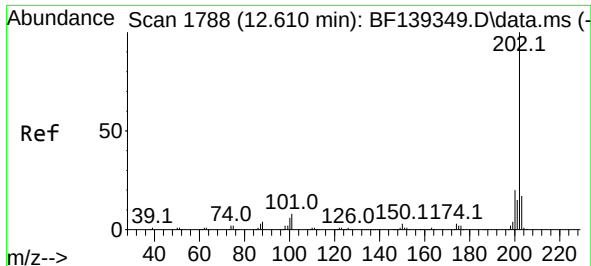
Tgt Ion:248 Resp: 5629
Ion Ratio Lower Upper
248 100
250 187.8 77.6 116.4#
141 505.7 66.9 100.3#



#71
Phenanthrene
Concen: 6.451 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139525.D
Acq: 24 Sep 2024 17:35

Tgt Ion:178 Resp: 66775
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 14.8 12.2 18.4

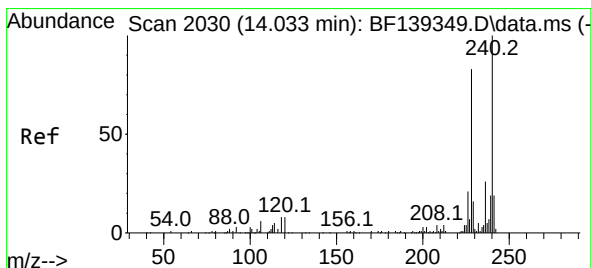
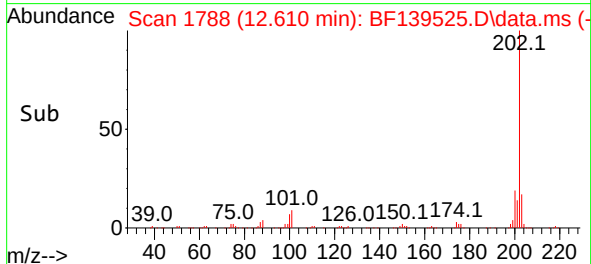
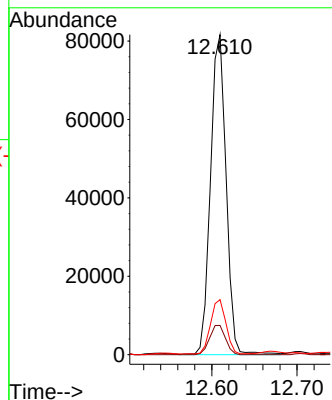
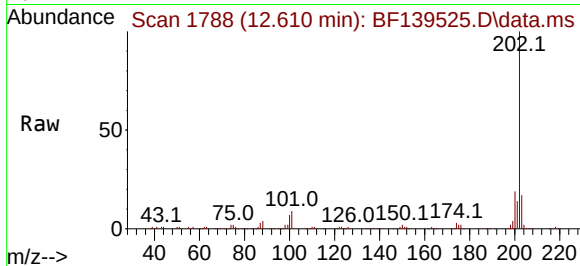




#75
Fluoranthene
Concen: 9.409 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.000 min
Lab File: BF139525.D
Acq: 24 Sep 2024 17:35

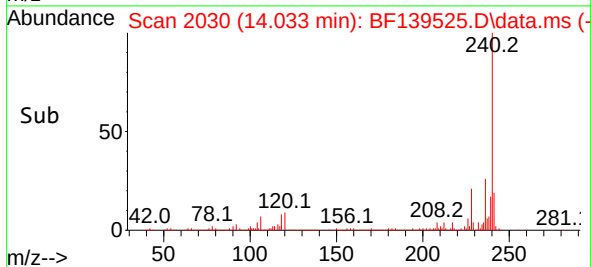
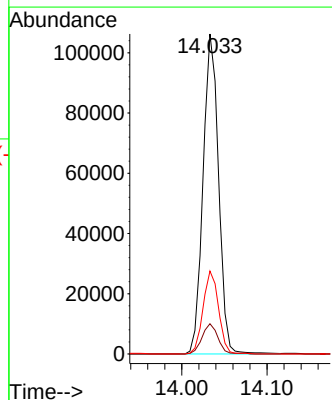
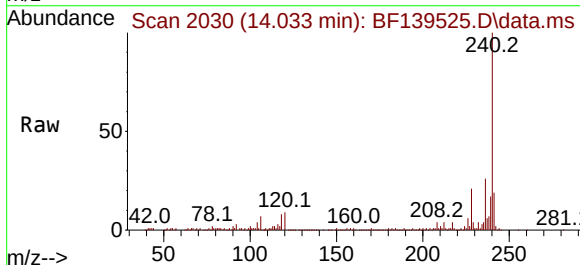
Instrument :
BNA_F
ClientSampleId :
COMP-7

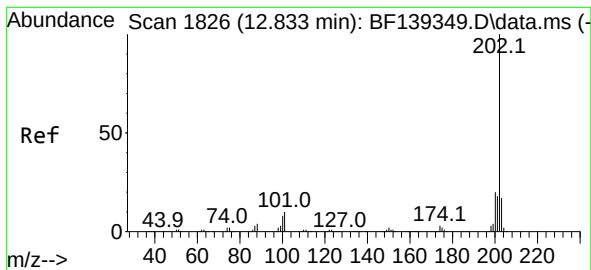
Tgt Ion:202 Resp: 104017
Ion Ratio Lower Upper
202 100
101 9.1 0.0 27.7
203 17.2 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139525.D
Acq: 24 Sep 2024 17:35

Tgt Ion:240 Resp: 134471
Ion Ratio Lower Upper
240 100
120 9.4 6.2 9.2#
236 25.9 20.9 31.3





#78

Pyrene

Concen: 8.216 ng

RT: 12.839 min Scan# 1827

Delta R.T. 0.006 min

Lab File: BF139525.D

Acq: 24 Sep 2024 17:35

Instrument :

BNA_F

ClientSampleId :

COMP-7

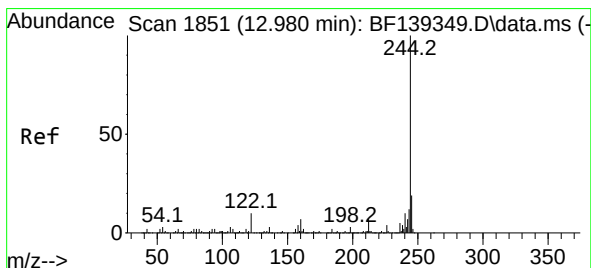
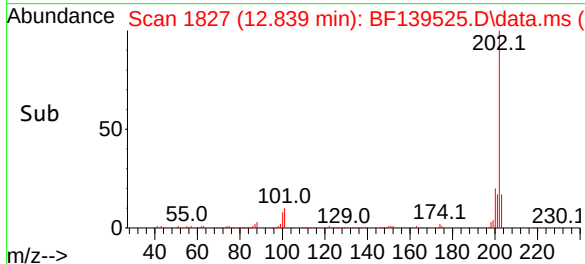
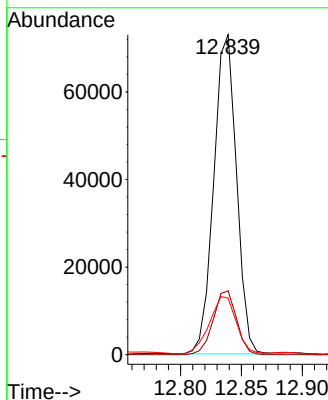
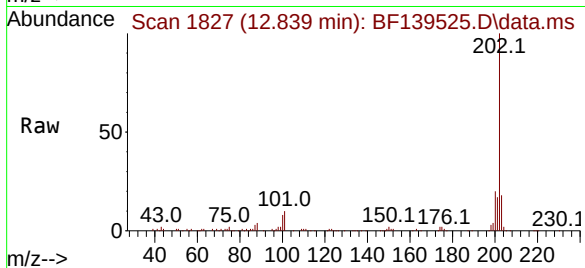
Tgt Ion:202 Resp: 94860

Ion Ratio Lower Upper

202 100

200 20.0 16.2 24.2

203 17.6 13.9 20.9



#79

Terphenyl-d14

Concen: 51.958 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139525.D

Acq: 24 Sep 2024 17:35

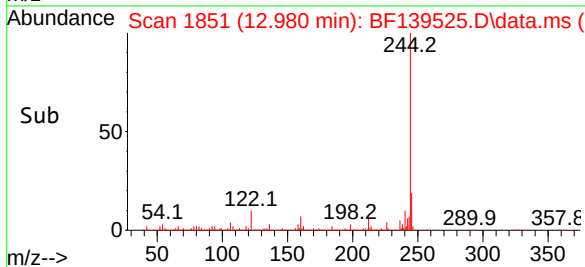
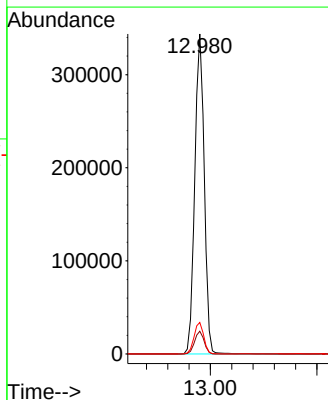
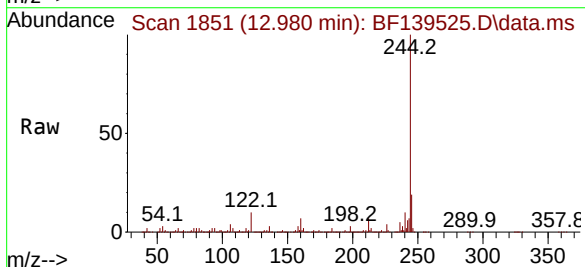
Tgt Ion:244 Resp: 425668

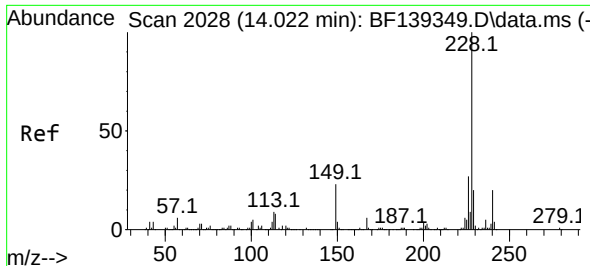
Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 9.8 7.6 11.4

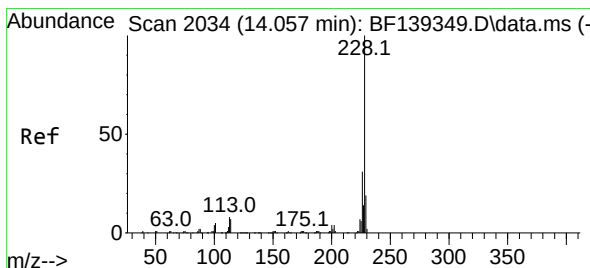
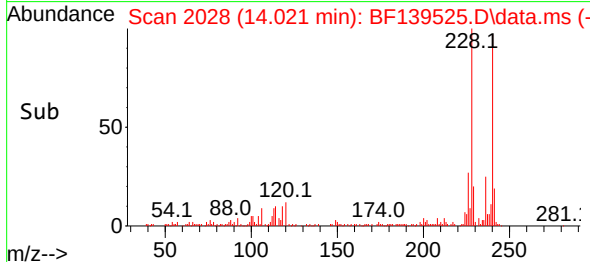
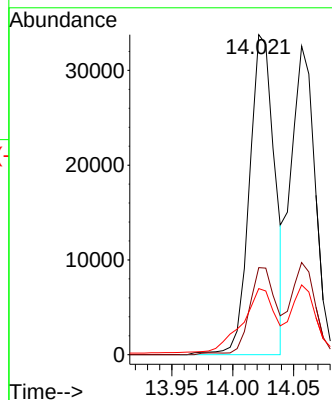
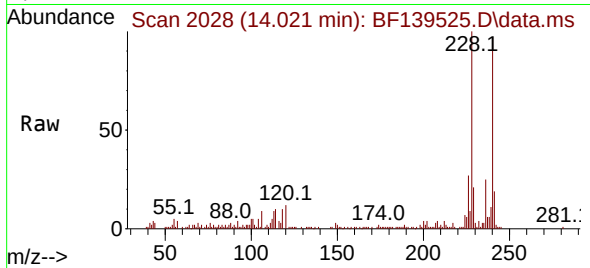




#81
Benzo(a)anthracene
Concen: 5.470 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF139525.D
Acq: 24 Sep 2024 17:35

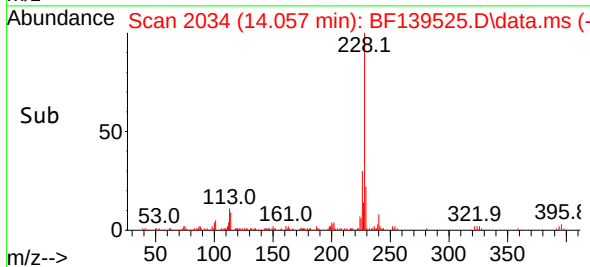
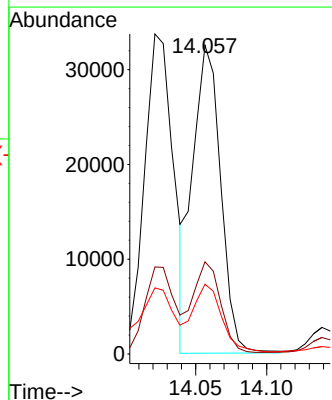
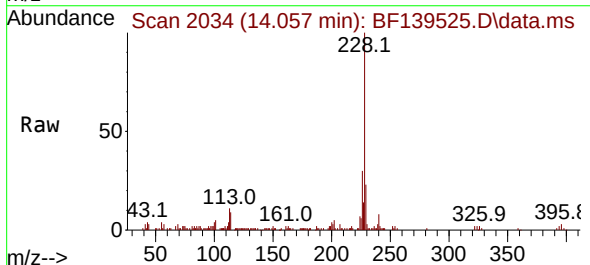
Instrument :
BNA_F
ClientSampleId :
COMP-7

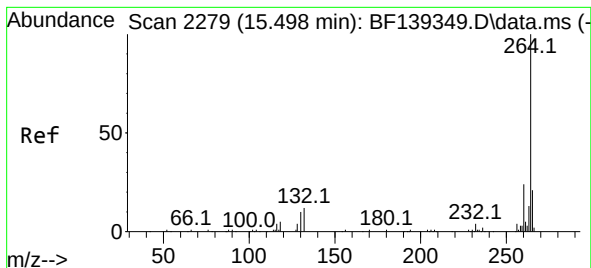
Tgt Ion:228 Resp: 48724
Ion Ratio Lower Upper
228 100
226 27.2 21.6 32.4
229 20.6 15.7 23.5



#83
Chrysene
Concen: 5.436 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139525.D
Acq: 24 Sep 2024 17:35

Tgt Ion:228 Resp: 44550
Ion Ratio Lower Upper
228 100
226 29.8 24.1 36.1
229 22.6 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139525.D

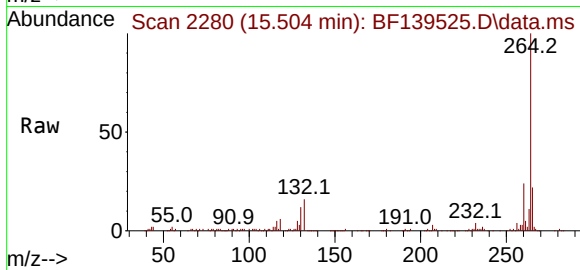
Acq: 24 Sep 2024 17:35

Instrument :

BNA_F

ClientSampleId :

COMP-7



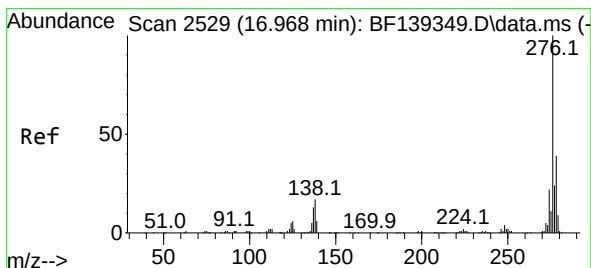
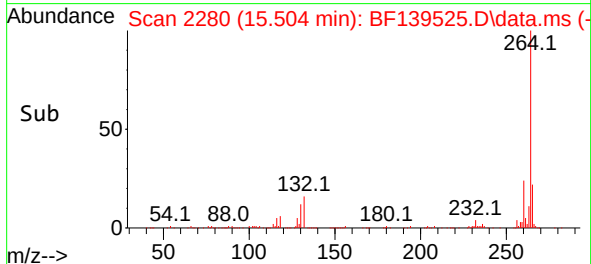
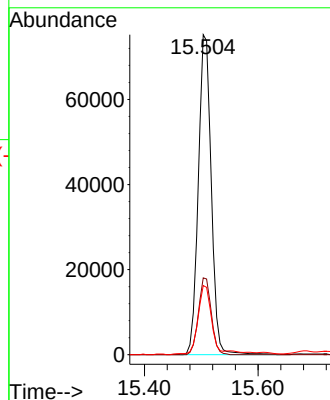
Tgt Ion:264 Resp: 119247

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

265 21.6 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.592 ng

RT: 16.974 min Scan# 2530

Delta R.T. 0.006 min

Lab File: BF139525.D

Acq: 24 Sep 2024 17:35

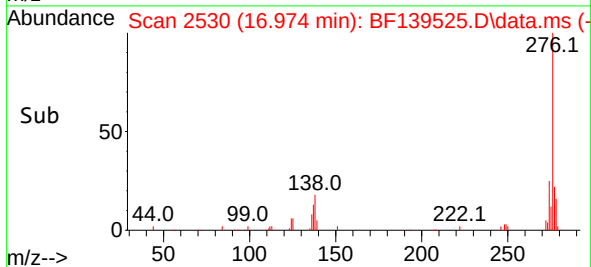
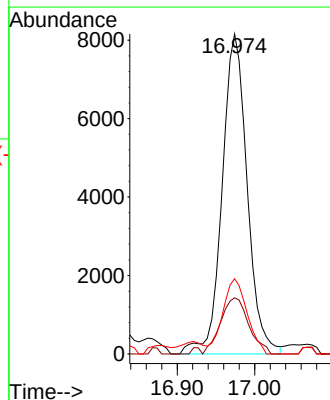
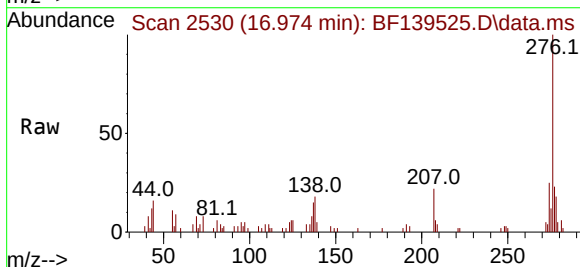
Tgt Ion:276 Resp: 18380

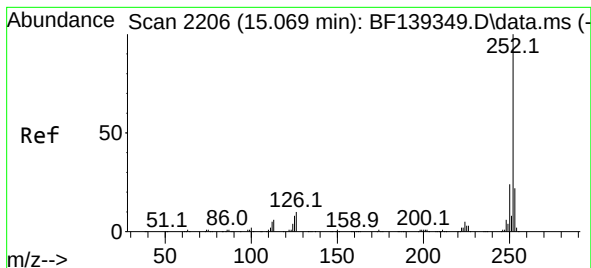
Ion Ratio Lower Upper

276 100

138 19.7 15.4 23.2

277 22.7 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 9.931 ng

RT: 15.074 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BF139525.D

Acq: 24 Sep 2024 17:35

Instrument :

BNA_F

ClientSampleId :

COMP-7

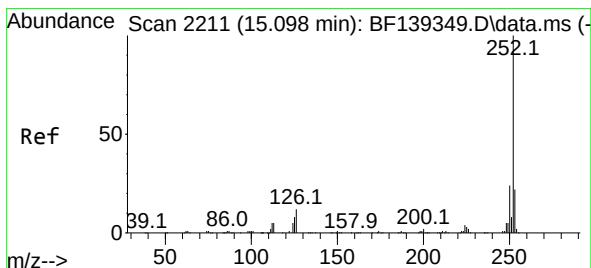
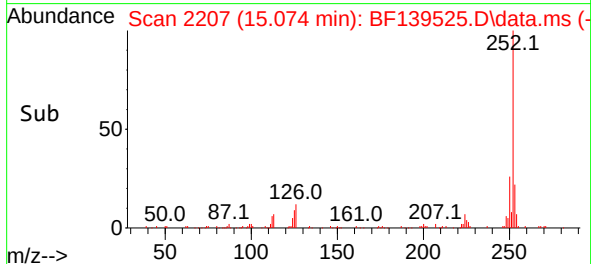
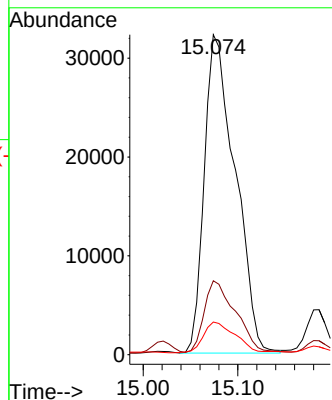
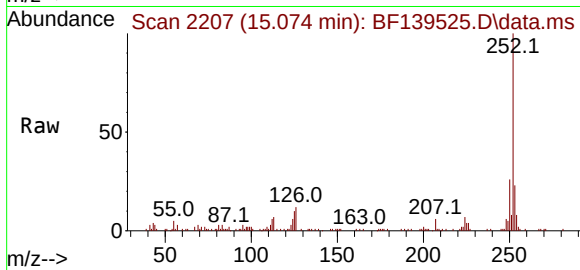
Tgt Ion:252 Resp: 73039

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 10.2 6.2 9.2#



#89

Benzo(k)fluoranthene

Concen: 10.771 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.024 min

Lab File: BF139525.D

Acq: 24 Sep 2024 17:35

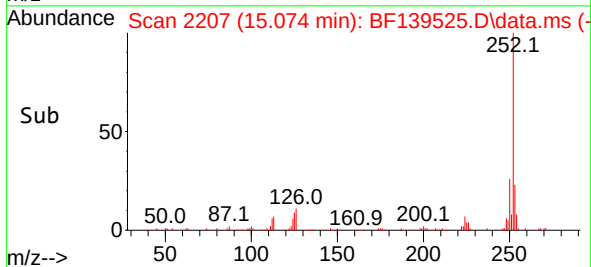
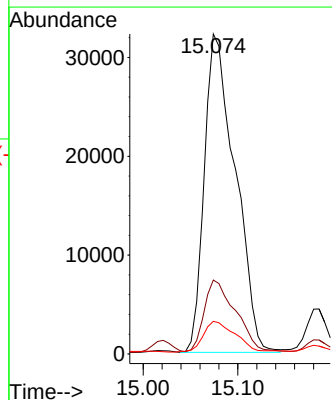
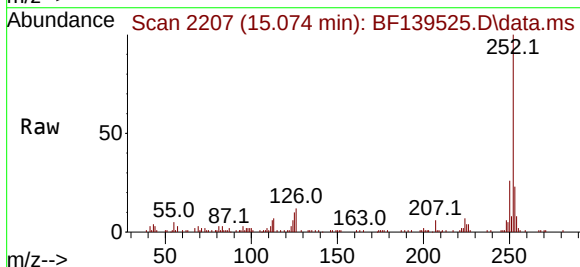
Tgt Ion:252 Resp: 73039

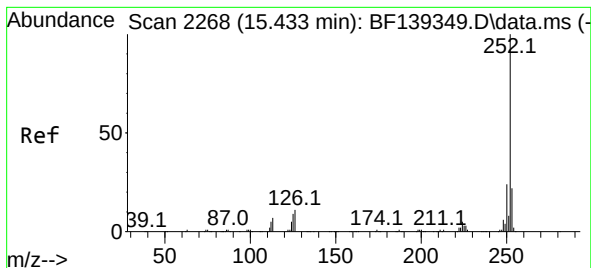
Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

125 10.2 5.9 8.9#





#90

Benzo(a)pyrene

Concen: 5.815 ng

RT: 15.439 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139525.D

Acq: 24 Sep 2024 17:35

Instrument :

BNA_F

ClientSampleId :

COMP-7

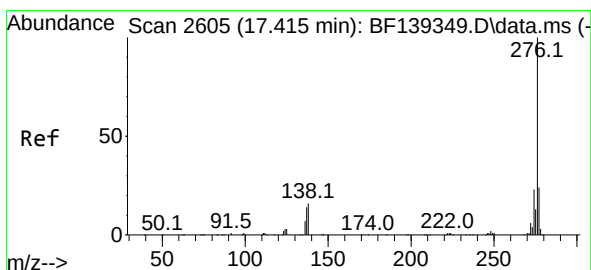
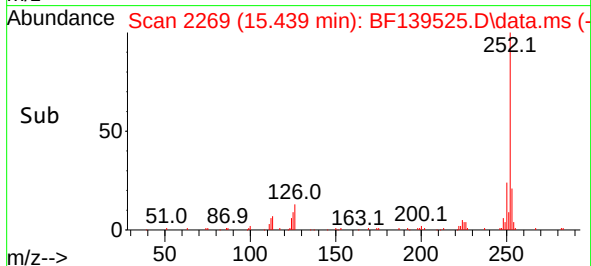
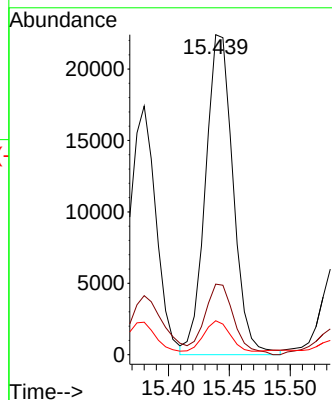
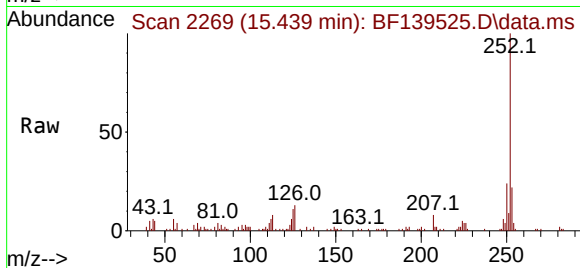
Tgt Ion:252 Resp: 35468

Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

125 10.6 6.8 10.2#



#92

Benzo(g,h,i)perylene

Concen: 2.983 ng

RT: 17.421 min Scan# 2606

Delta R.T. 0.006 min

Lab File: BF139525.D

Acq: 24 Sep 2024 17:35

Tgt Ion:276 Resp: 17308

Ion Ratio Lower Upper

276 100

277 25.8 18.9 28.3

138 18.6 13.0 19.6

