

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139448.D
 Acq On : 19 Sep 2024 01:57
 Operator : RC/JU
 Sample : P4090-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-091724

Quant Time: Sep 19 02:34:35 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)

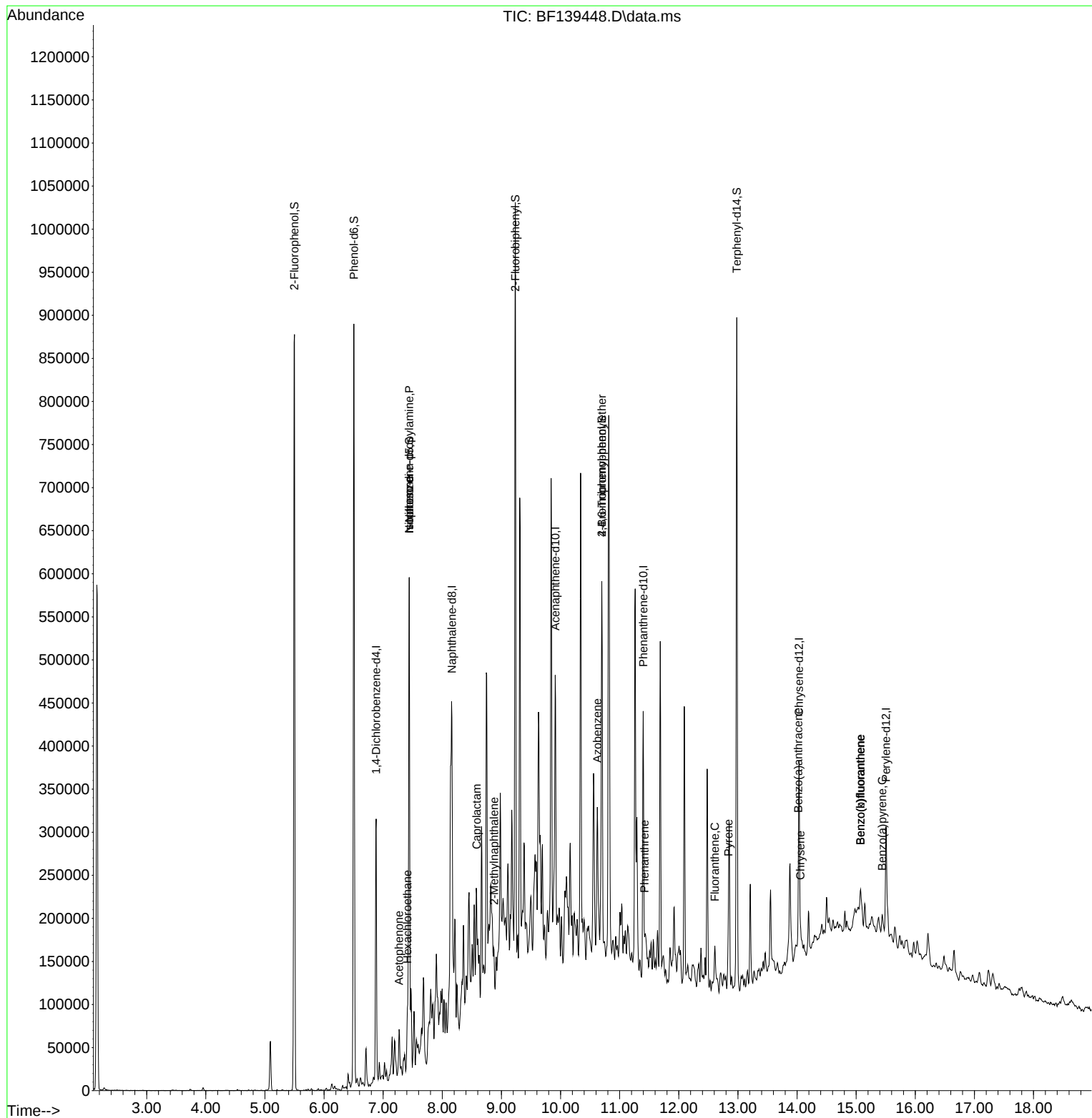
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	58177	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	183501	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	81354	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	146174	20.000	ng	0.00
76) Chrysene-d12	14.033	240	92515	20.000	ng	0.00
86) Perylene-d12	15.504	264	75546	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	285696	80.112	ng	0.00
7) Phenol-d6	6.504	99	354775	75.793	ng	0.00
23) Nitrobenzene-d5	7.440	82	223051	57.144	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	62124	71.727	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	348278	60.042	ng	0.00
79) Terphenyl-d14	12.980	244	351182	62.306	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.410	117	4053	2.522	ng	# 1
19) n-Nitroso-di-n-propyla...	7.440	70	37639	13.569	ng	# 75
22) Acetophenone	7.269	105	10708	2.232	ng	# 48
25) Isophorone	7.440	82	219349	35.533	ng	# 67
35) Caprolactam	8.581	113	4425	5.485	ng	# 1
37) 2-Methylnaphthalene	8.875	142	14962	2.461	ng	95
63) Azobenzene	10.622	77	40631	7.497	ng	# 5
67) 4-Bromophenyl-phenylether	10.698	248	4264	2.944	ng	# 1
71) Phenanthrene	11.422	178	14692	2.083	ng	# 95
75) Fluoranthene	12.610	202	26384	3.503	ng	97
78) Pyrene	12.839	202	32483	4.089	ng	96
81) Benzo(a)anthracene	14.022	228	13938	2.274	ng	# 78
83) Chrysene	14.057	228	14048	2.492	ng	# 90
88) Benzo(b)fluoranthene	15.074	252	18852	4.046	ng	# 82
89) Benzo(k)fluoranthene	15.074	252	18852	4.388	ng	# 82
90) Benzo(a)pyrene	15.439	252	11112	2.876	ng	# 78

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

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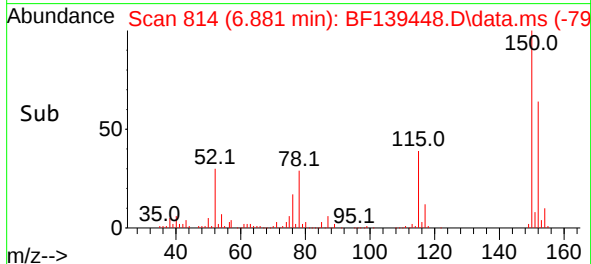
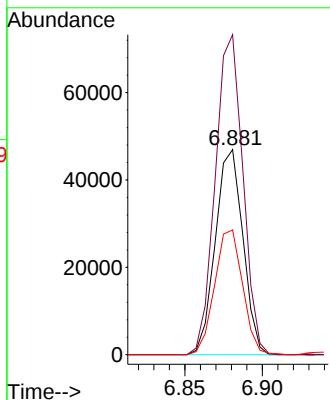
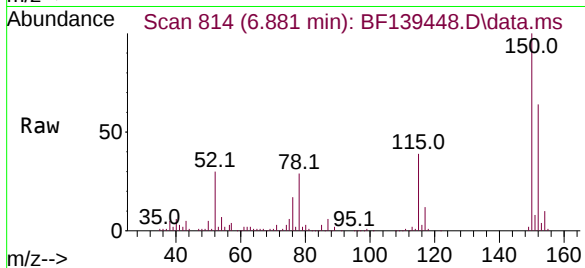




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139448.D
Acq: 19 Sep 2024 01:57

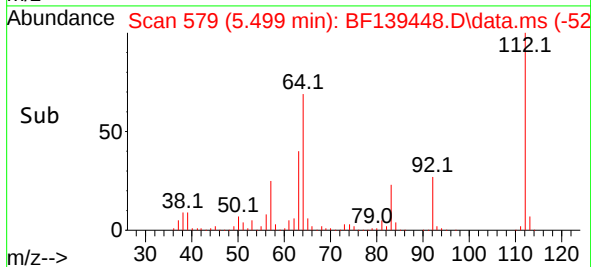
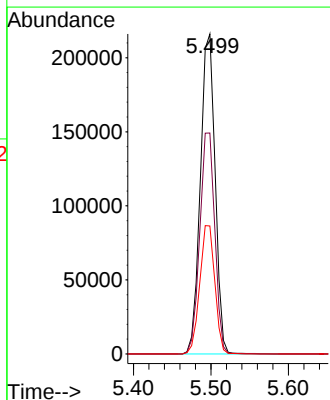
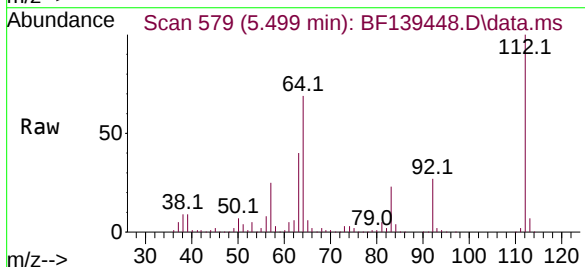
Instrument :
BNA_F
ClientSampleId :
TR-04-091724

Tgt Ion:152 Resp: 58177
Ion Ratio Lower Upper
152 100
150 156.0 124.1 186.1
115 60.9 48.1 72.1



#5
2-Fluorophenol
Concen: 80.112 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF139448.D
Acq: 19 Sep 2024 01:57

Tgt Ion:112 Resp: 285696
Ion Ratio Lower Upper
112 100
64 69.0 54.8 82.2
63 40.0 33.0 49.4





#7

Phenol-d6

Concen: 75.793 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF139448.D

Acq: 19 Sep 2024 01:57

Instrument :

BNA_F

ClientSampleId :

TR-04-091724

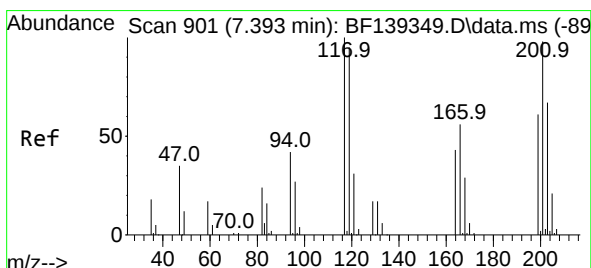
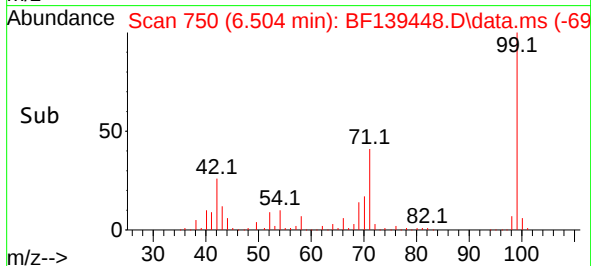
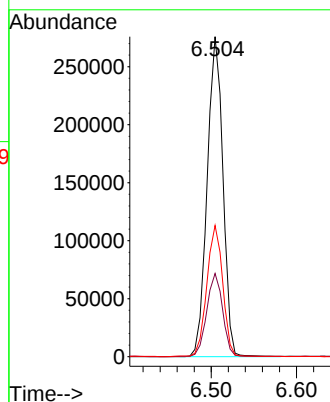
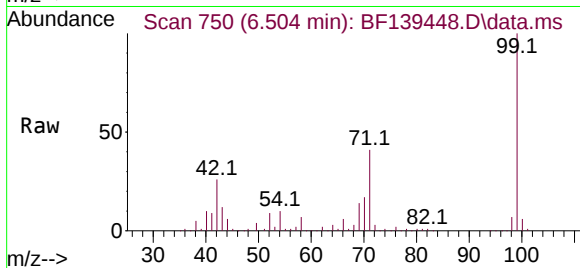
Tgt Ion: 99 Resp: 354775

Ion Ratio Lower Upper

99 100

42 26.0 21.9 32.9

71 41.0 34.6 52.0



#18

Hexachloroethane

Concen: 2.522 ng

RT: 7.410 min Scan# 904

Delta R.T. 0.018 min

Lab File: BF139448.D

Acq: 19 Sep 2024 01:57

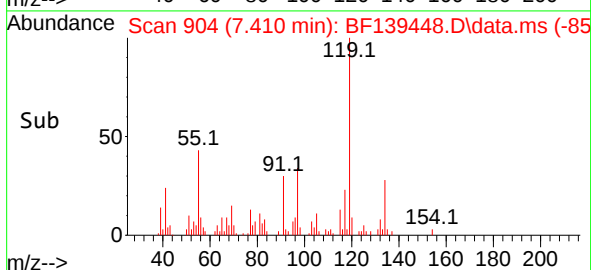
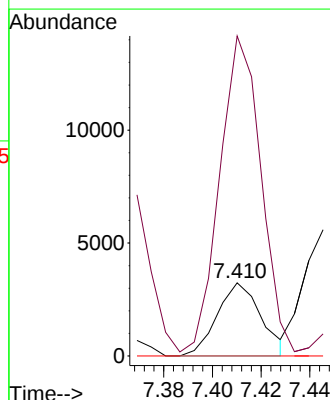
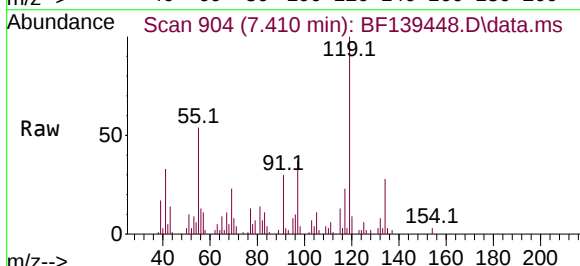
Tgt Ion: 117 Resp: 4053

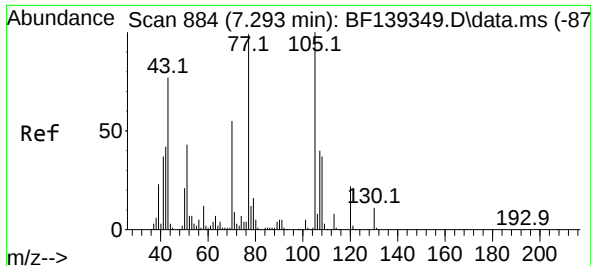
Ion Ratio Lower Upper

117 100

119 437.1 75.8 113.8#

201 0.0 78.6 118.0#

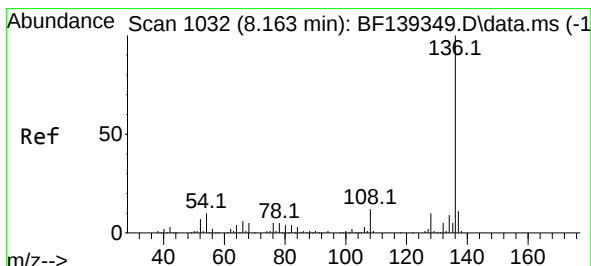
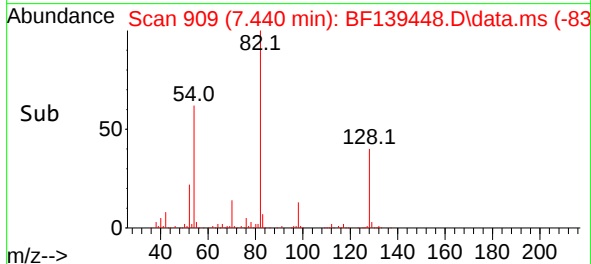
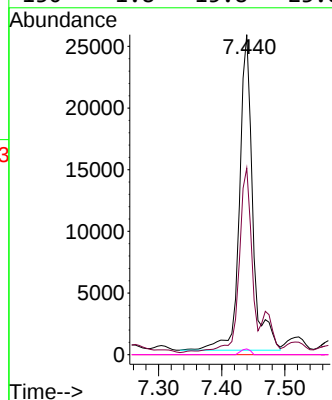
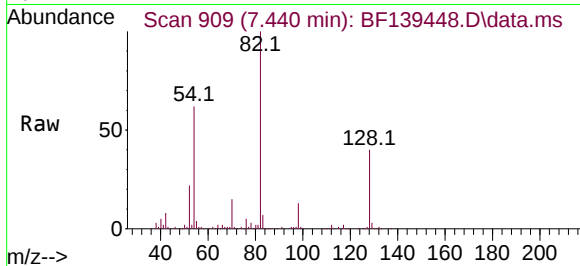




#19
n-Nitroso-di-n-propylamine
Concen: 13.569 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF139448.D
Acq: 19 Sep 2024 01:57

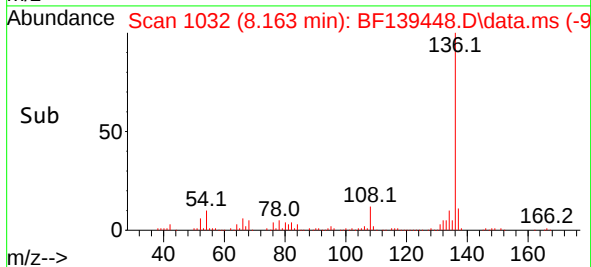
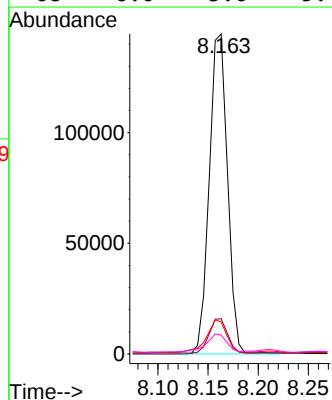
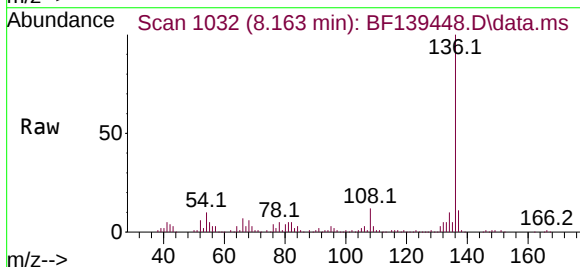
Instrument :
BNA_F
ClientSampleId :
TR-04-091724

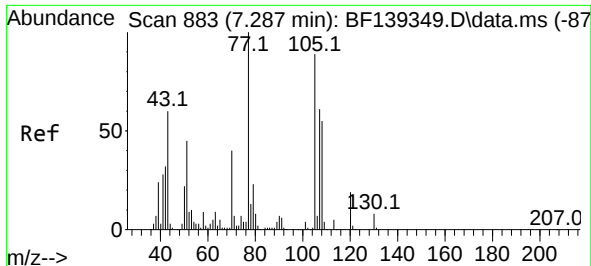
Tgt Ion: 70 Resp: 37639
Ion Ratio Lower Upper
70 100
42 58.3 61.2 91.8#
101 0.0 7.5 11.3#
130 1.8 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF139448.D
Acq: 19 Sep 2024 01:57

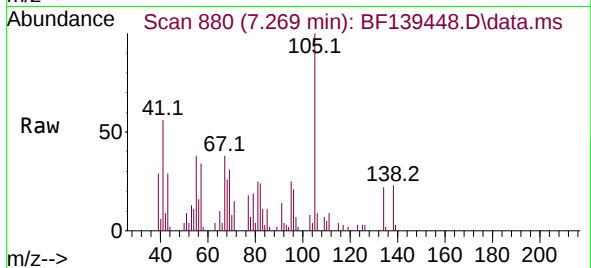
Tgt Ion:136 Resp: 183501
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 10.0 7.8 11.8
68 6.0 3.6 5.4#



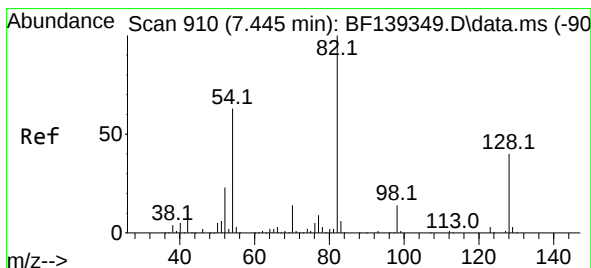
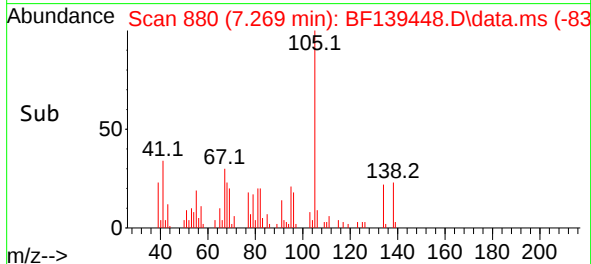
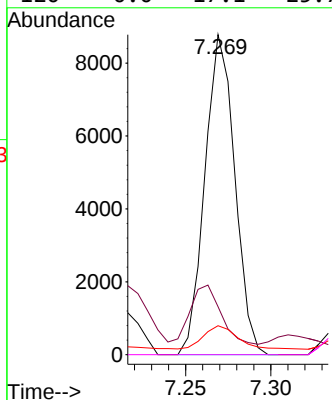


#22
Acetophenone
Concen: 2.232 ng
RT: 7.269 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF139448.D
Acq: 19 Sep 2024 01:57

Instrument :
BNA_F
ClientSampleId :
TR-04-091724

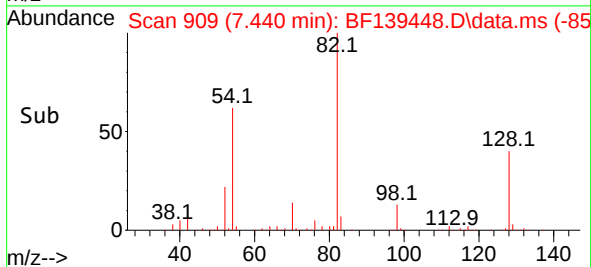
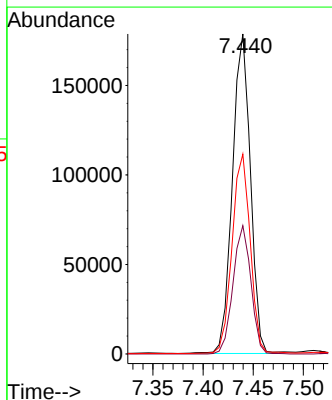
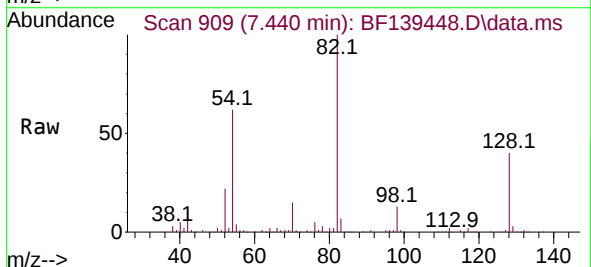


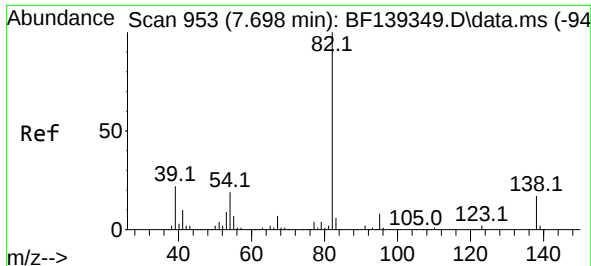
Tgt Ion:	105	Resp:	10708
Ion	Ratio	Lower	Upper
105	100		
71	15.0	5.9	8.9#
51	9.1	40.0	60.0#
120	0.0	17.1	25.7#



#23
Nitrobenzene-d5
Concen: 57.144 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139448.D
Acq: 19 Sep 2024 01:57

Tgt Ion:	82	Resp:	223051
Ion	Ratio	Lower	Upper
82	100		
128	40.1	31.8	47.6
54	62.4	50.6	75.8

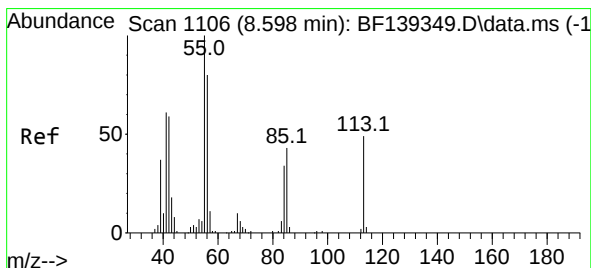
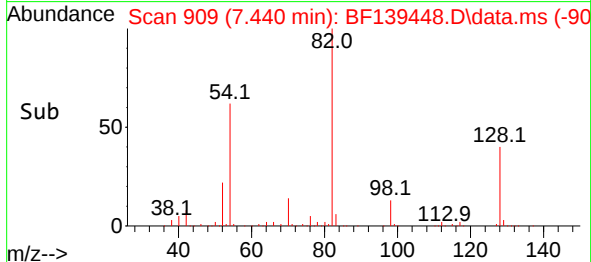
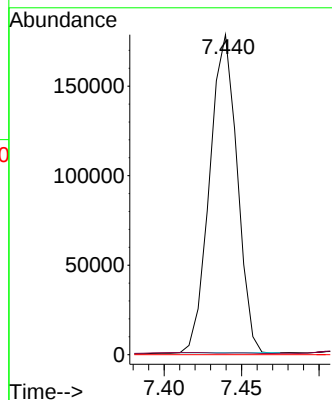
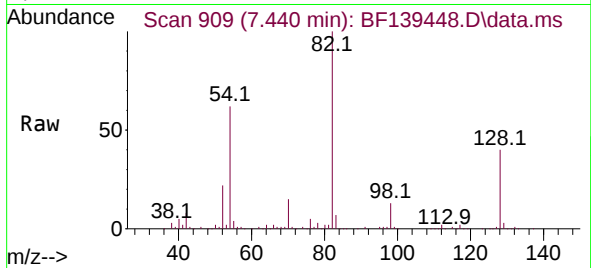




#25
Isophorone
Concen: 35.533 ng
RT: 7.440 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF139448.D
Acq: 19 Sep 2024 01:57

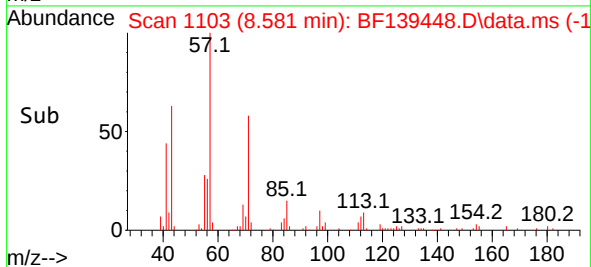
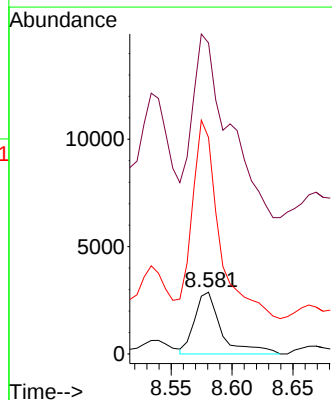
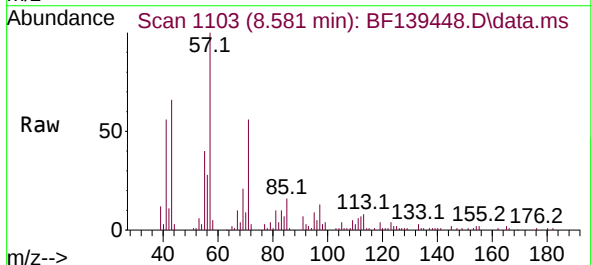
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ClientSampleId :
TR-04-091724

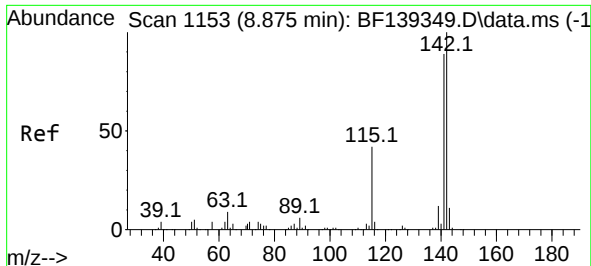
Tgt Ion: 82 Resp: 219349
Ion Ratio Lower Upper
82 100
95 0.5 6.7 10.1#
138 0.0 13.3 19.9#



#35
Caprolactam
Concen: 5.485 ng
RT: 8.581 min Scan# 1103
Delta R.T. -0.018 min
Lab File: BF139448.D
Acq: 19 Sep 2024 01:57

Tgt Ion: 113 Resp: 4425
Ion Ratio Lower Upper
113 100
55 504.2 186.1 226.1#
56 351.0 144.9 184.9#





#37

2-Methylnaphthalene

Concen: 2.461 ng

RT: 8.875 min Scan# 1153

Delta R.T. -0.000 min

Lab File: BF139448.D

Acq: 19 Sep 2024 01:57

Instrument :

BNA_F

ClientSampleId :

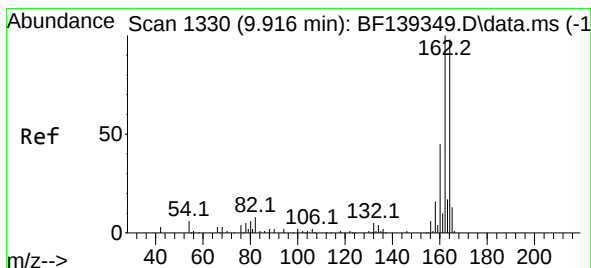
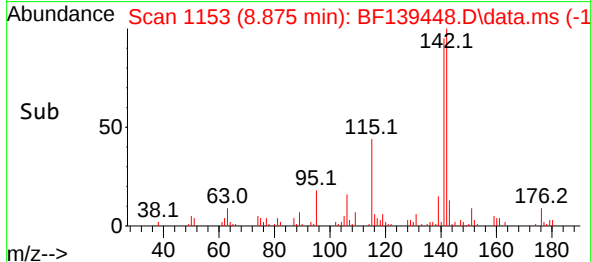
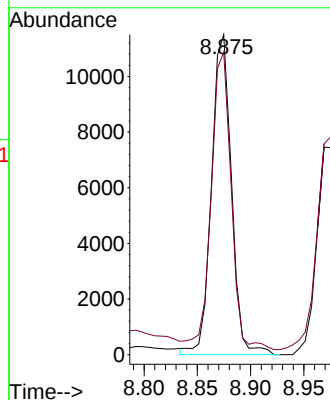
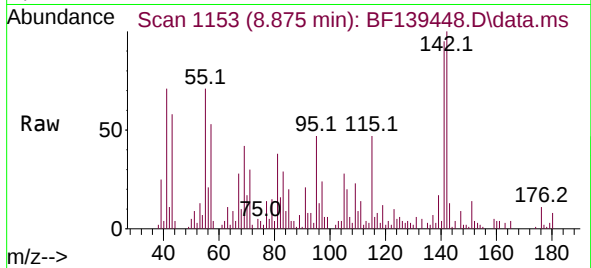
TR-04-091724

Tgt Ion:142 Resp: 14962

Ion Ratio Lower Upper

142 100

141 94.6 71.6 107.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF139448.D

Acq: 19 Sep 2024 01:57

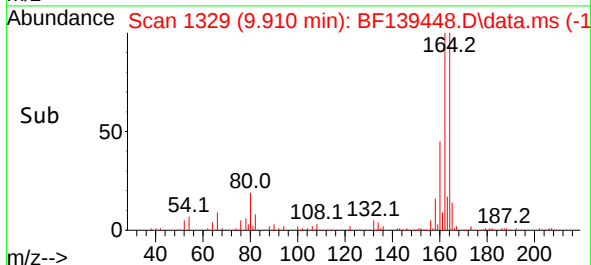
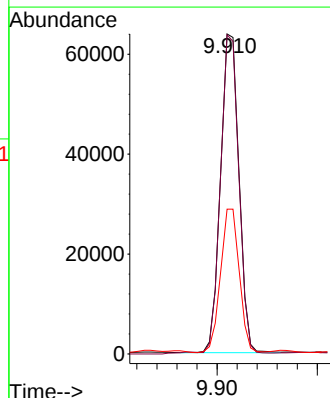
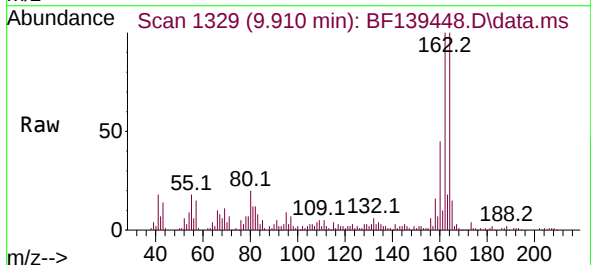
Tgt Ion:164 Resp: 81354

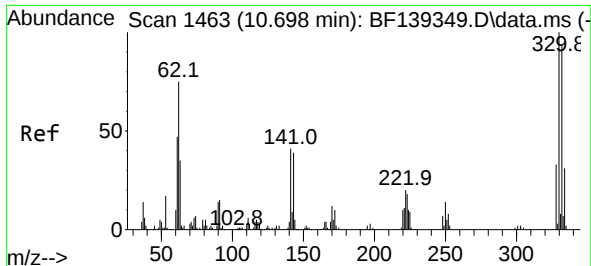
Ion Ratio Lower Upper

164 100

162 99.8 81.3 121.9

160 45.2 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 71.727 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.000 min

Lab File: BF139448.D

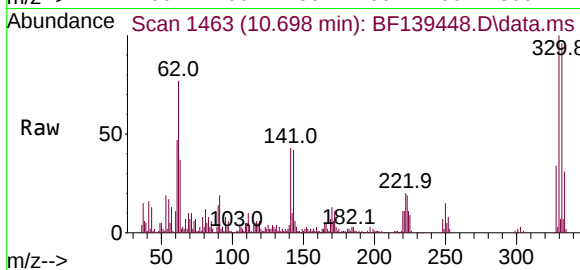
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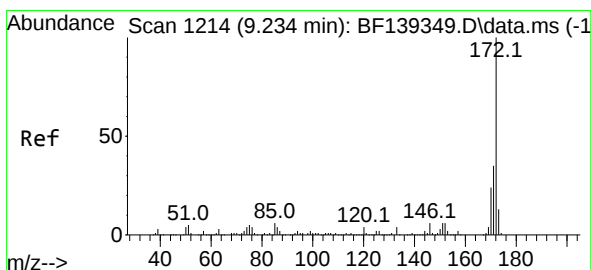
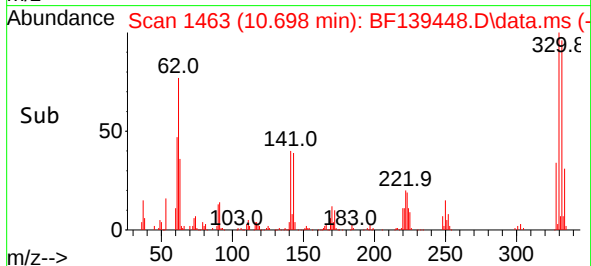
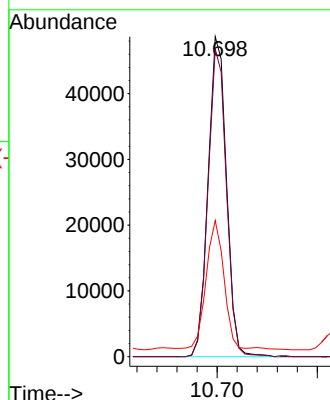
Tgt Ion:330 Resp: 62124

Ion Ratio Lower Upper

330 100

332 95.7 75.2 112.8

141 38.2 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 60.042 ng

RT: 9.234 min Scan# 1214

Delta R.T. -0.000 min

Lab File: BF139448.D

Acq: 19 Sep 2024 01:57

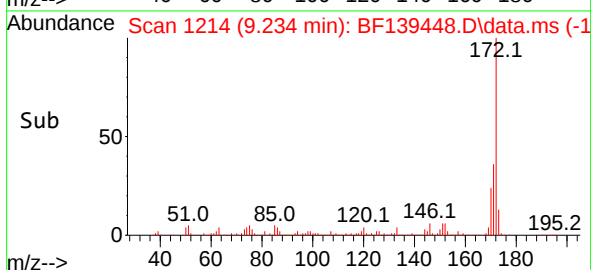
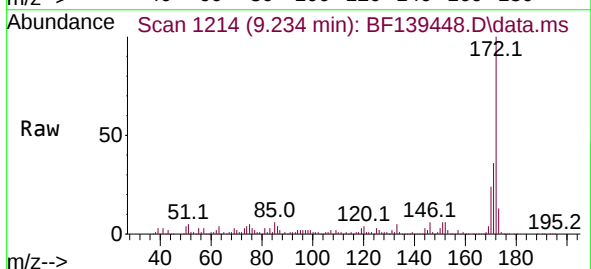
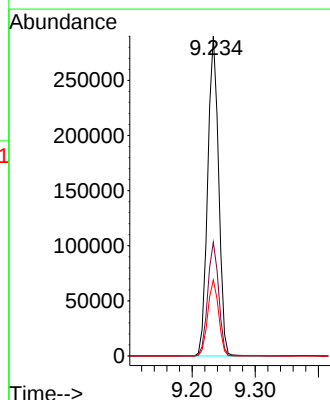
Tgt Ion:172 Resp: 348278

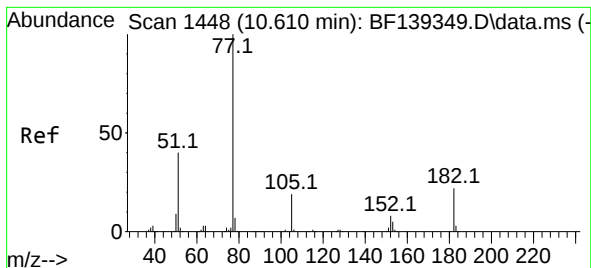
Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 23.8 19.0 28.6





#63

Azobenzene

Concen: 7.497 ng

RT: 10.622 min Scan# 1448

Delta R.T. 0.012 min

Lab File: BF139448.D

Acq: 19 Sep 2024 01:57

Instrument :

BNA_F

ClientSampleId :

TR-04-091724

Tgt Ion: 77 Resp: 40631

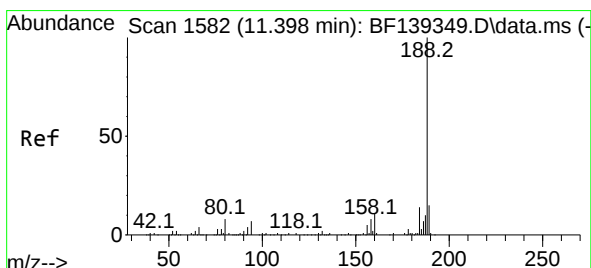
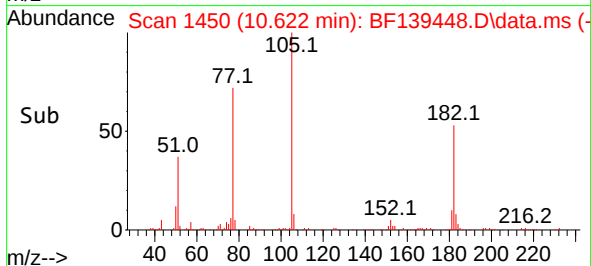
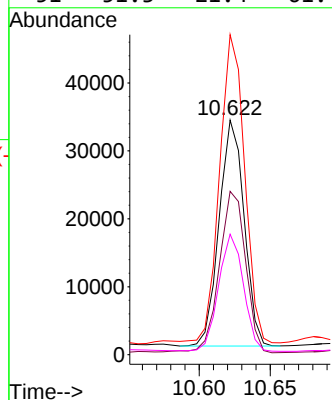
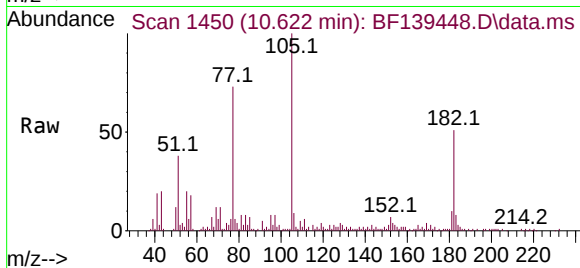
Ion Ratio Lower Upper

77 100

182 69.6 1.8 41.8#

105 136.4 0.0 38.6#

51 51.3 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: BF139448.D

Acq: 19 Sep 2024 01:57

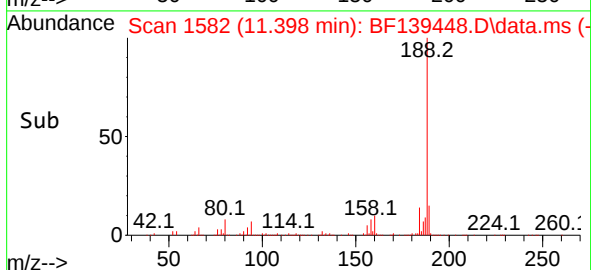
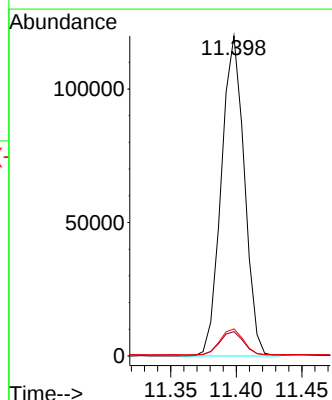
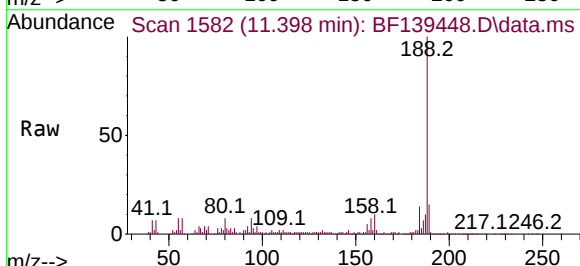
Tgt Ion: 188 Resp: 146174

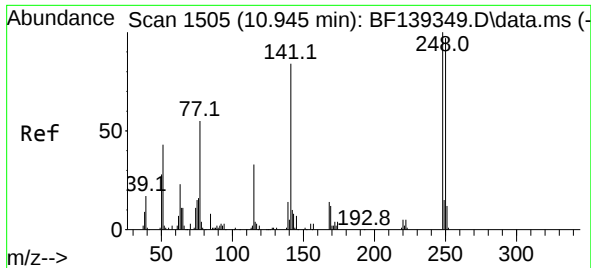
Ion Ratio Lower Upper

188 100

94 7.6 5.5 8.3

80 8.4 6.6 9.8

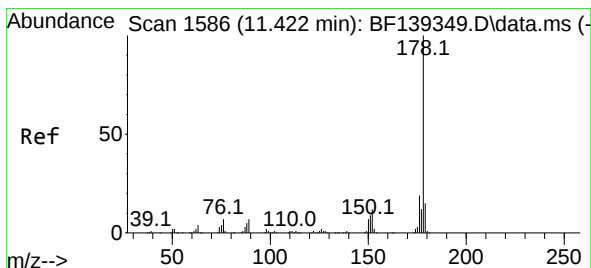
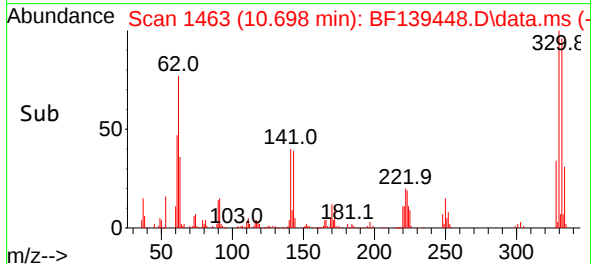
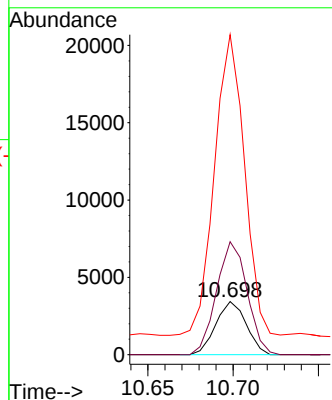
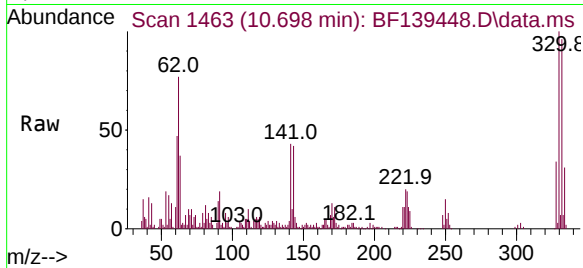




#67
4-Bromophenyl-phenylether
Concen: 2.944 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF139448.D
Acq: 19 Sep 2024 01:57

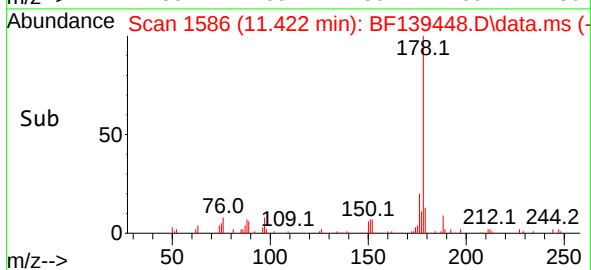
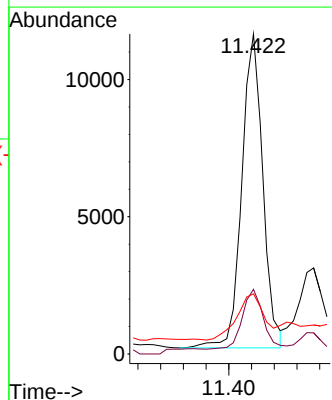
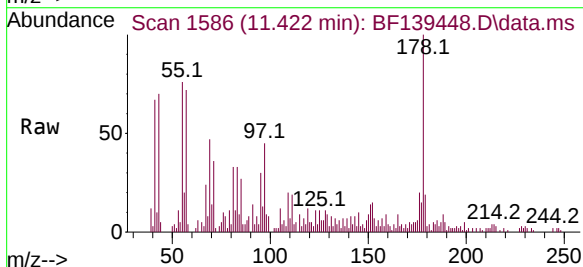
Instrument :
BNA_F
ClientSampleId :
TR-04-091724

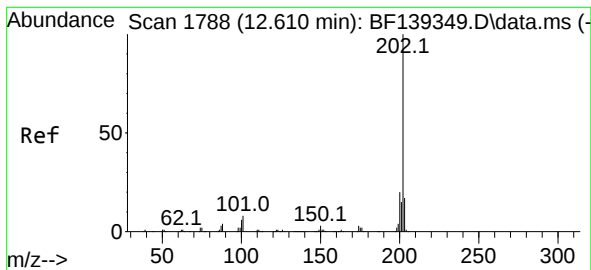
Tgt Ion:248 Resp: 4264
Ion Ratio Lower Upper
248 100
250 212.3 77.6 116.4#
141 601.8 66.9 100.3#



#71
Phenanthrene
Concen: 2.083 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139448.D
Acq: 19 Sep 2024 01:57

Tgt Ion:178 Resp: 14692
Ion Ratio Lower Upper
178 100
176 20.2 15.2 22.8
179 18.8 12.2 18.4#





#75

Fluoranthene

Concen: 3.503 ng

RT: 12.610 min Scan# 1788

Delta R.T. -0.000 min

Lab File: BF139448.D

Acq: 19 Sep 2024 01:57

Instrument :

BNA_F

ClientSampleId :

TR-04-091724

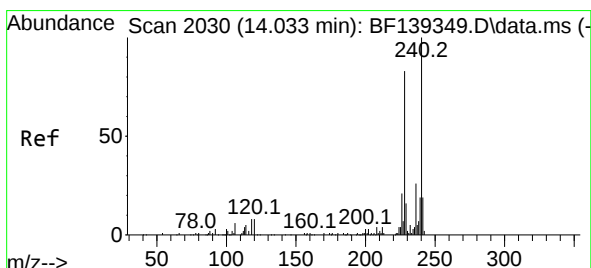
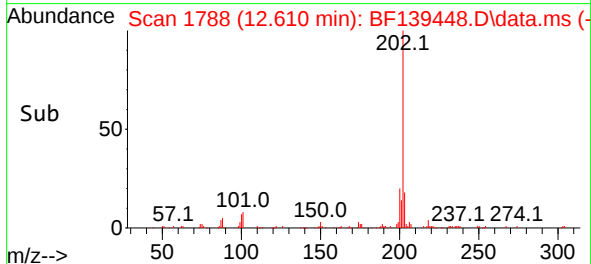
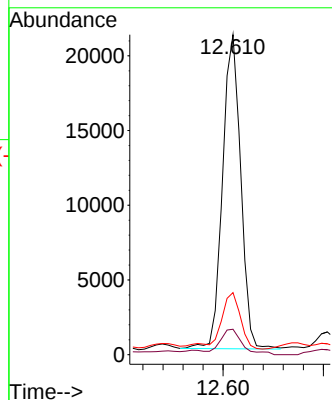
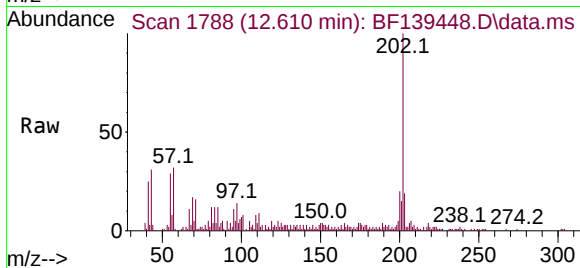
Tgt Ion:202 Resp: 26384

Ion Ratio Lower Upper

202 100

101 7.9 0.0 27.7

203 19.4 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: BF139448.D

Acq: 19 Sep 2024 01:57

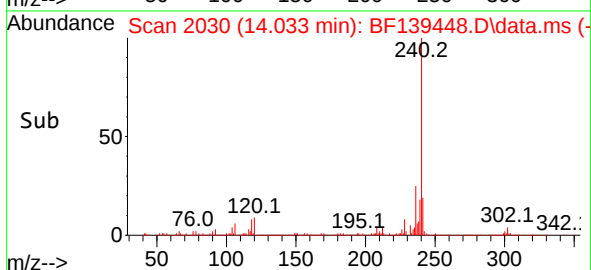
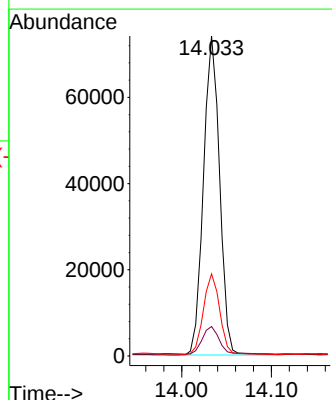
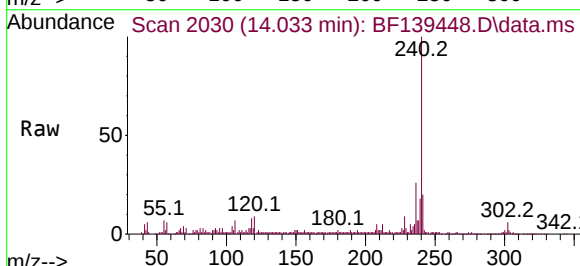
Tgt Ion:240 Resp: 92515

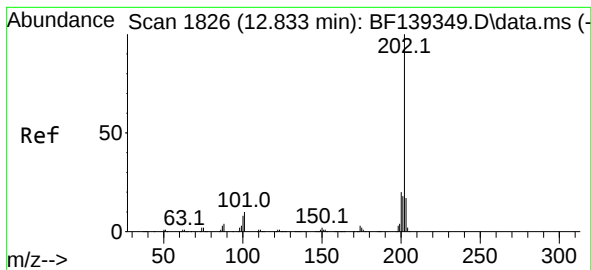
Ion Ratio Lower Upper

240 100

120 9.2 6.2 9.2

236 25.7 20.9 31.3





#78

Pyrene

Concen: 4.089 ng

RT: 12.839 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF139448.D

Acq: 19 Sep 2024 01:57

Instrument :

BNA_F

ClientSampleId :

TR-04-091724

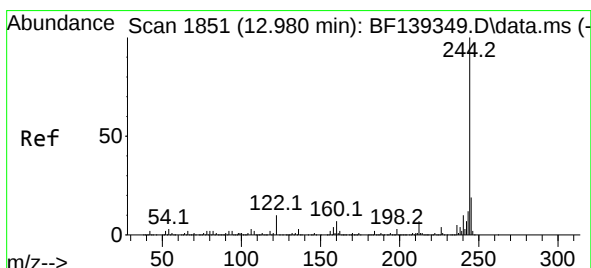
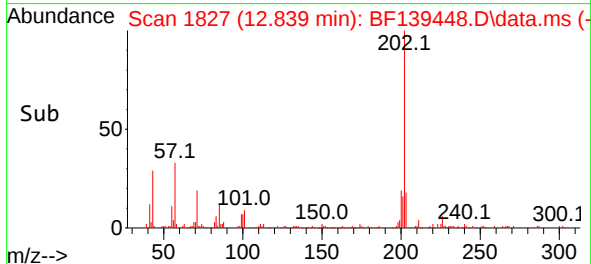
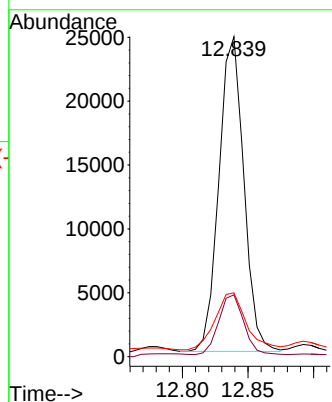
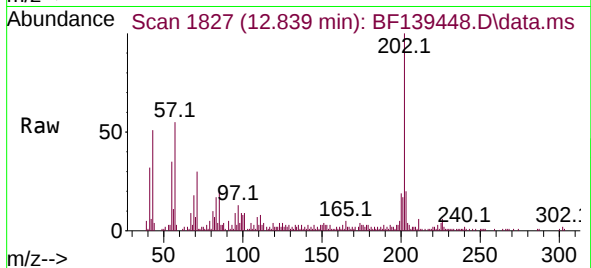
Tgt Ion:202 Resp: 32483

Ion Ratio Lower Upper

202 100

200 19.4 16.2 24.2

203 19.9 13.9 20.9



#79

Terphenyl-d14

Concen: 62.306 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139448.D

Acq: 19 Sep 2024 01:57

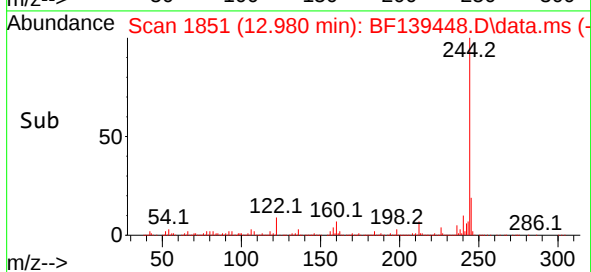
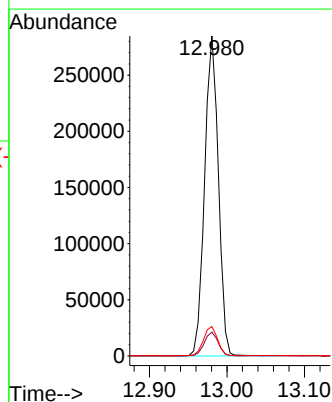
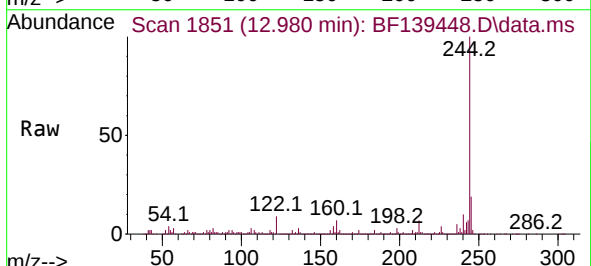
Tgt Ion:244 Resp: 351182

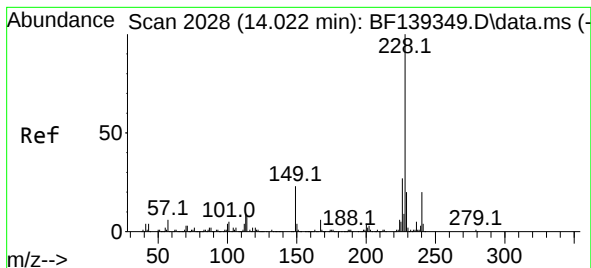
Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 9.2 7.6 11.4





#81

Benzo(a)anthracene

Concen: 2.274 ng

RT: 14.022 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF139448.D

Acq: 19 Sep 2024 01:57

Instrument :

BNA_F

ClientSampleId :

TR-04-091724

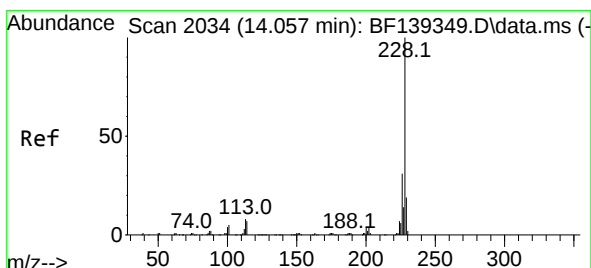
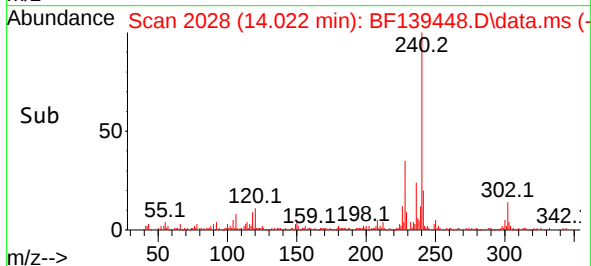
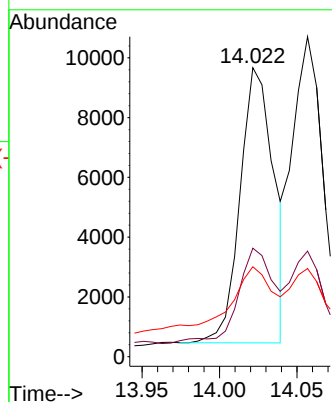
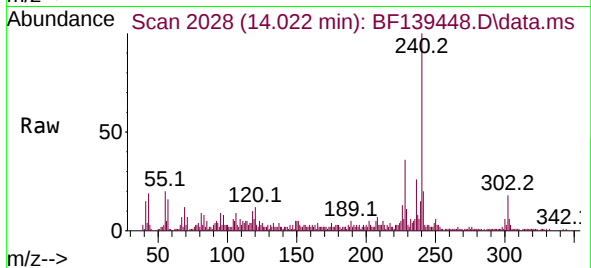
Tgt Ion:228 Resp: 13938

Ion Ratio Lower Upper

228 100

226 37.5 21.6 32.4#

229 31.1 15.7 23.5#



#83

Chrysene

Concen: 2.492 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139448.D

Acq: 19 Sep 2024 01:57

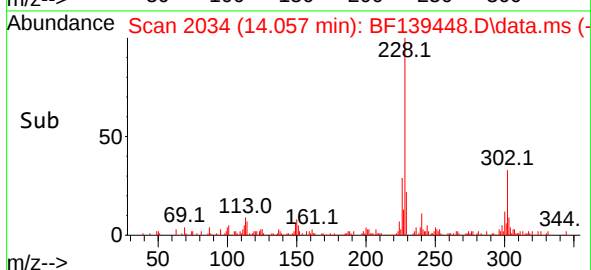
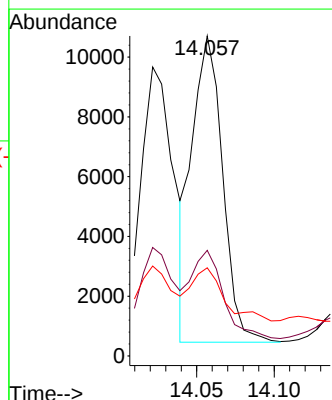
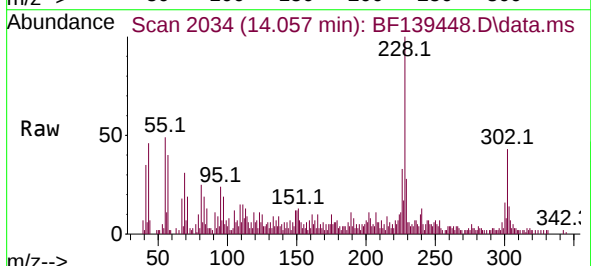
Tgt Ion:228 Resp: 14048

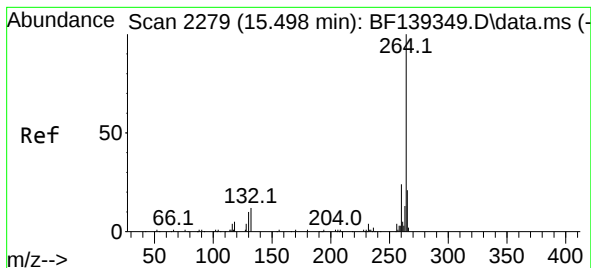
Ion Ratio Lower Upper

228 100

226 33.0 24.1 36.1

229 27.6 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: BF139448.D

Acq: 19 Sep 2024 01:57

Instrument :

BNA_F

ClientSampleId :

TR-04-091724

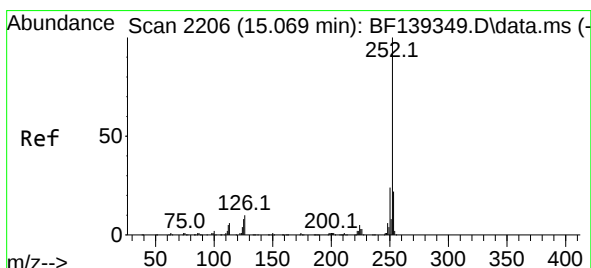
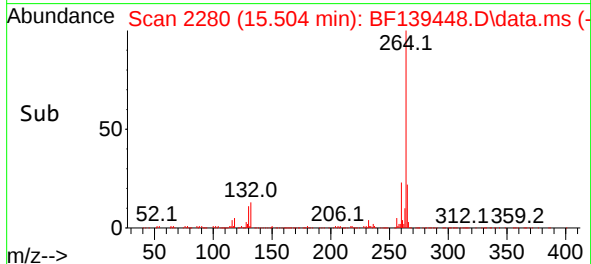
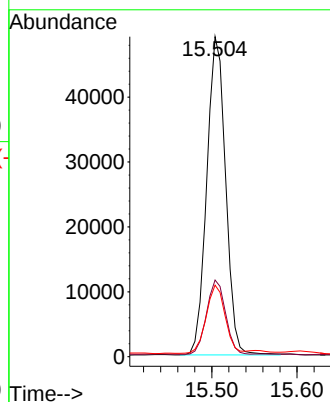
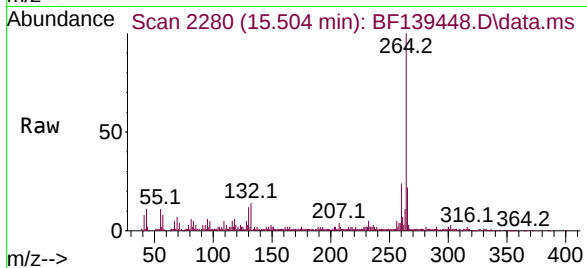
Tgt Ion:264 Resp: 75546

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

265 22.4 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 4.046 ng

RT: 15.074 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BF139448.D

Acq: 19 Sep 2024 01:57

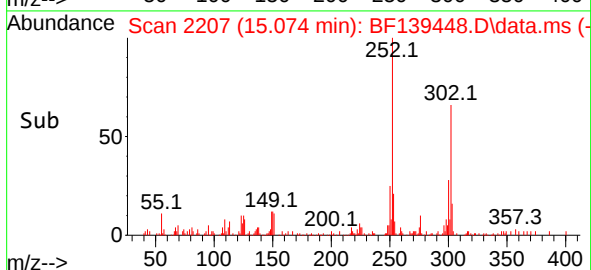
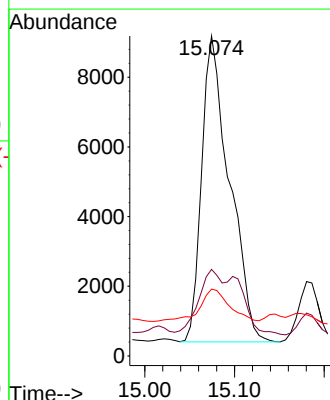
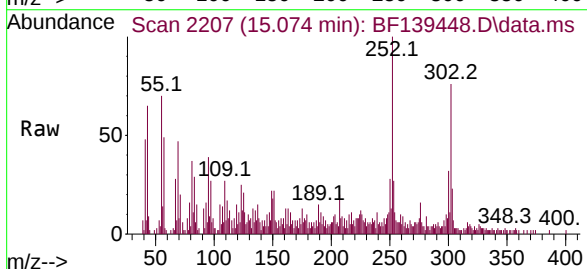
Tgt Ion:252 Resp: 18852

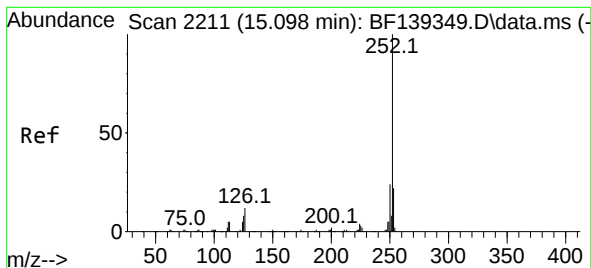
Ion Ratio Lower Upper

252 100

253 27.1 17.6 26.4#

125 20.9 6.2 9.2#





#89

Benzo(k)fluoranthene

Concen: 4.388 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF139448.D

Acq: 19 Sep 2024 01:57

Instrument :

BNA_F

ClientSampleId :

TR-04-091724

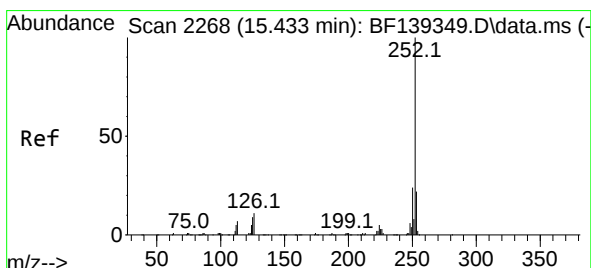
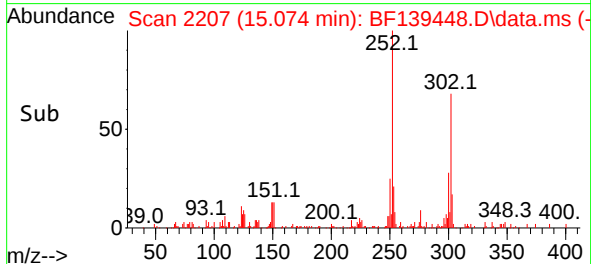
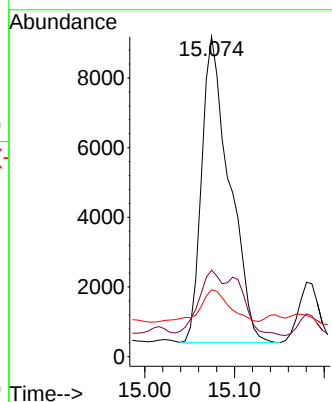
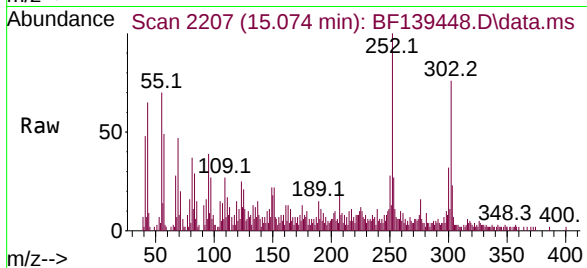
Tgt Ion:252 Resp: 18852

Ion Ratio Lower Upper

252 100

253 27.1 17.3 25.9#

125 20.9 5.9 8.9#



#90

Benzo(a)pyrene

Concen: 2.876 ng

RT: 15.439 min Scan# 2269

Delta R.T. 0.006 min

Lab File: BF139448.D

Acq: 19 Sep 2024 01:57

Tgt Ion:252 Resp: 11112

Ion Ratio Lower Upper

252 100

253 29.6 17.3 25.9#

125 21.0 6.8 10.2#

