

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091024\
 Data File : BF139310.D
 Acq On : 10 Sep 2024 20:29
 Operator : RC/JU
 Sample : P3907-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-701-COMP-54

Quant Time: Sep 11 01:31:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

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

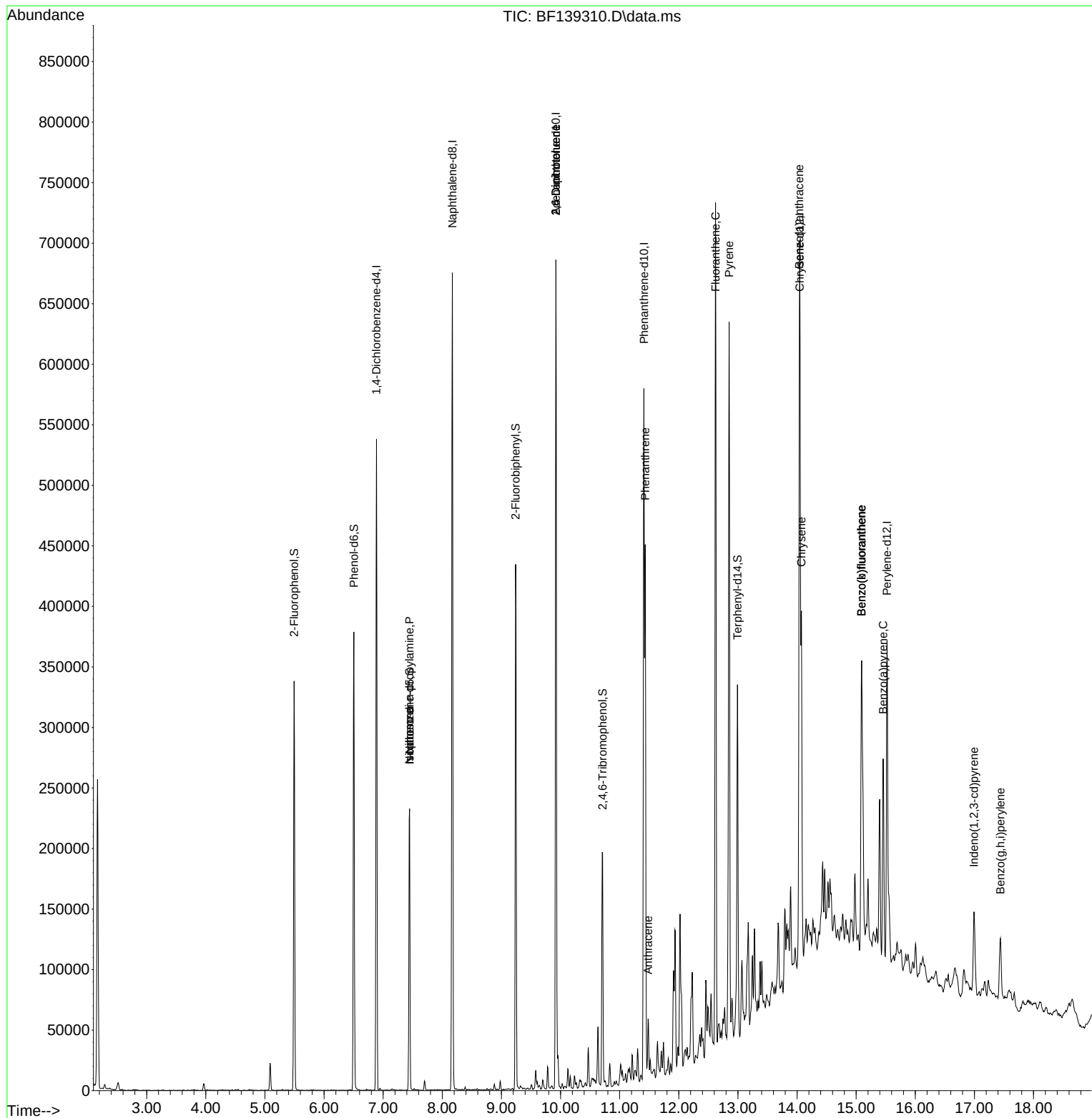
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	105160	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	386060	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	196955	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	290587	20.000	ng	0.00
76) Chrysene-d12	14.045	240	178515	20.000	ng	0.00
86) Perylene-d12	15.521	264	146194	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	108586	17.274	ng	-0.01
7) Phenol-d6	6.504	99	151117	18.007	ng	-0.01
23) Nitrobenzene-d5	7.445	82	95494	12.868	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	28534	16.777	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	186807	14.641	ng	-0.01
79) Terphenyl-d14	12.992	244	128646	11.635	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	13175	2.726	ng	# 73
25) Isophorone	7.445	82	95426	7.521	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	25836	9.540	ng	# 18
57) 2,4-Dinitrotoluene	9.922	165	25837	7.496	ng	# 18
71) Phenanthrene	11.433	178	222321	16.377	ng	100
72) Anthracene	11.480	178	27958	2.108	ng	99
75) Fluoranthene	12.622	202	383495	28.178	ng	99
78) Pyrene	12.851	202	336755	19.528	ng	99
81) Benzo(a)anthracene	14.039	228	165871	14.551	ng	96
83) Chrysene	14.074	228	145358	13.663	ng	97
87) Indeno(1,2,3-cd)pyrene	16.992	276	49276	5.395	ng	96
88) Benzo(b)fluoranthene	15.092	252	213931	25.410	ng	99
89) Benzo(k)fluoranthene	15.092	252	213931	28.339	ng	99
90) Benzo(a)pyrene	15.457	252	101670	14.221	ng	98
92) Benzo(g,h,i)perylene	17.439	276	46431	5.976	ng	95

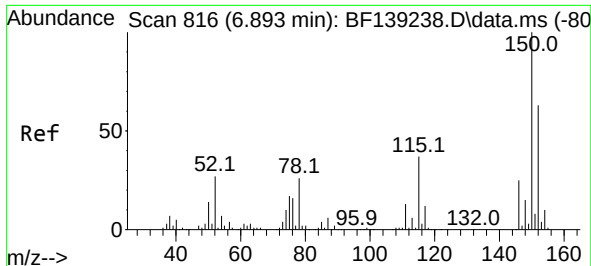
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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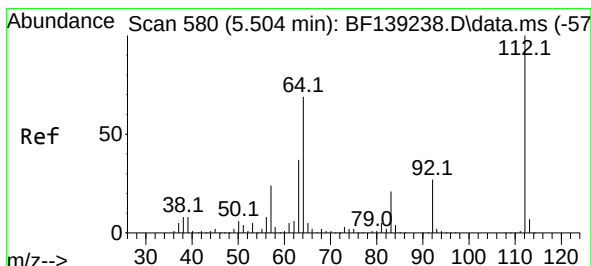
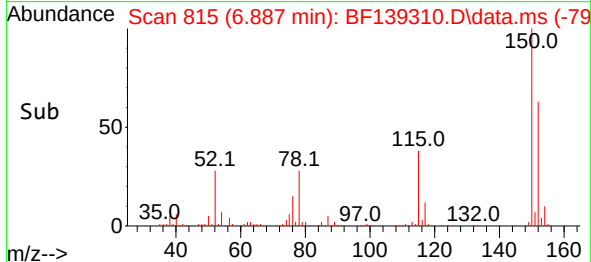
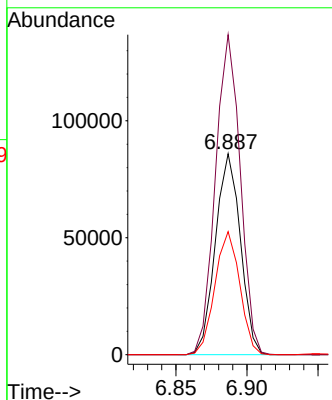
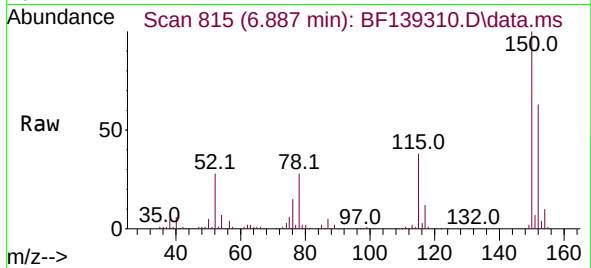




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

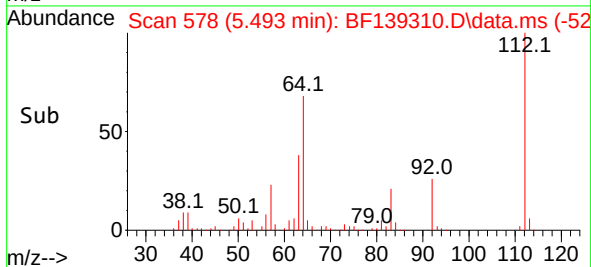
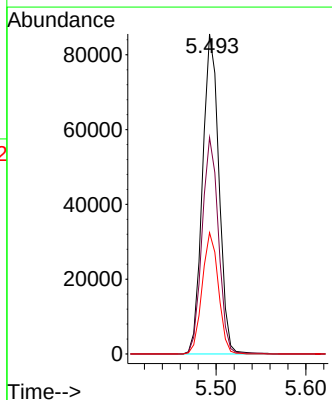
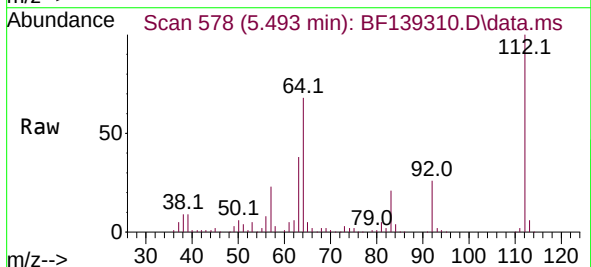
Instrument :
BNA_F
ClientSampleId :
PL-701-COMP-54

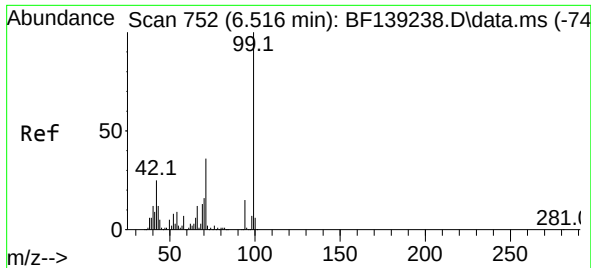
Tgt Ion:152 Resp: 105160
Ion Ratio Lower Upper
152 100
150 159.3 127.0 190.4
115 61.2 46.9 70.3



#5
2-Fluorophenol
Concen: 17.274 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.012 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:112 Resp: 108586
Ion Ratio Lower Upper
112 100
64 67.7 55.0 82.4
63 37.9 29.9 44.9

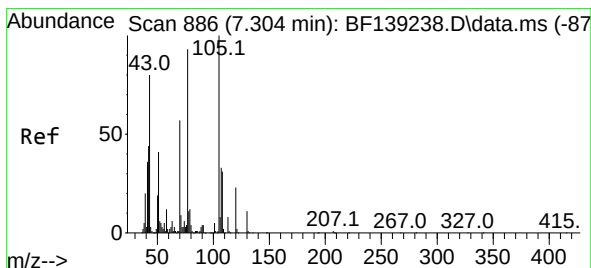
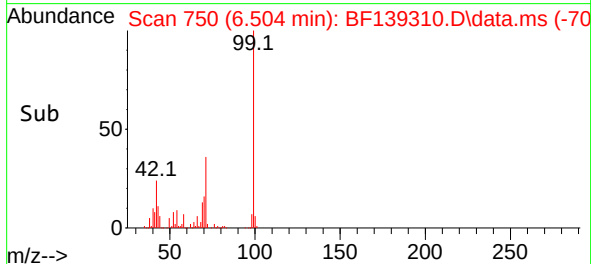
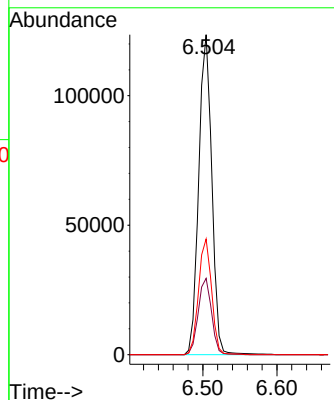
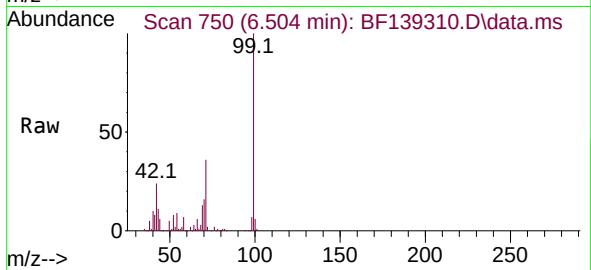




#7
Phenol-d6
Concen: 18.007 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

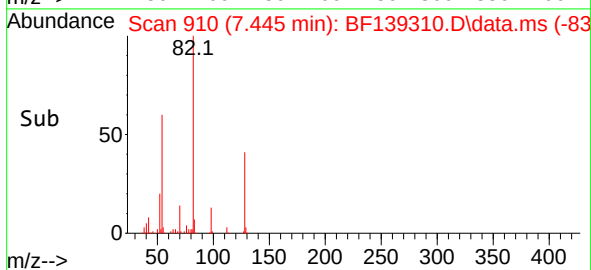
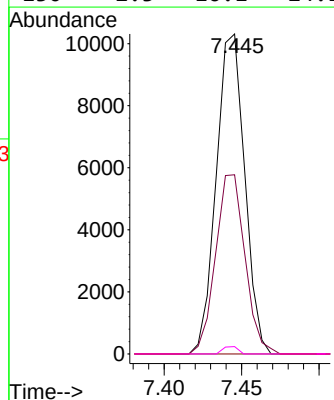
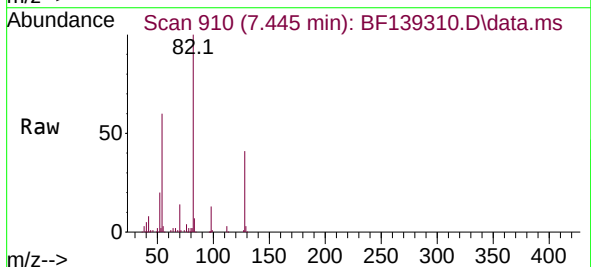
Instrument :
BNA_F
ClientSampleId :
PL-701-COMP-54

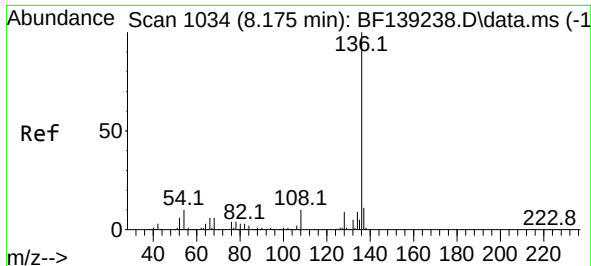
Tgt Ion: 99 Resp: 151117
Ion Ratio Lower Upper
99 100
42 23.8 19.8 29.6
71 36.1 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 2.726 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion: 70 Resp: 13175
Ion Ratio Lower Upper
70 100
42 56.0 61.0 91.6#
101 0.0 7.2 10.8#
130 2.3 16.1 24.1#

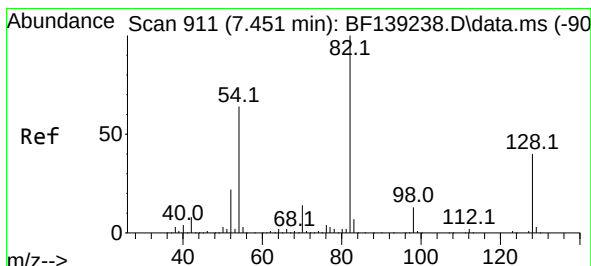
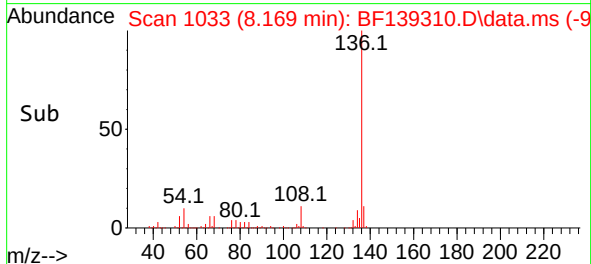
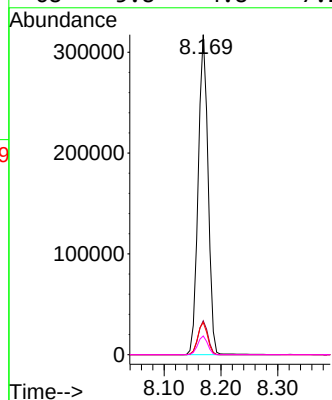
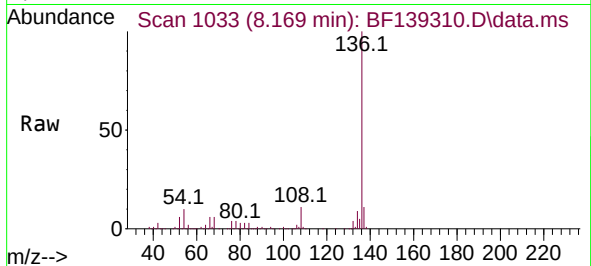




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

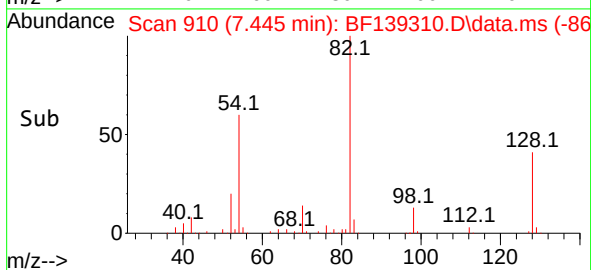
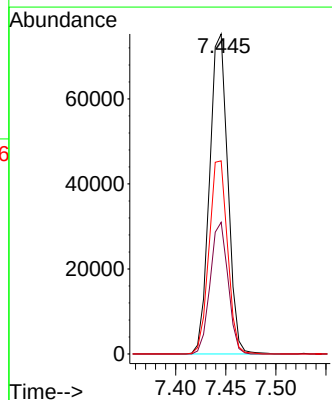
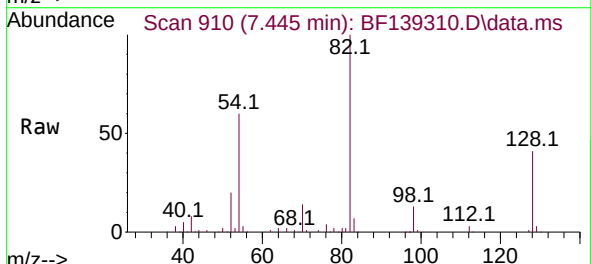
Instrument :
BNA_F
ClientSampleId :
PL-701-COMP-54

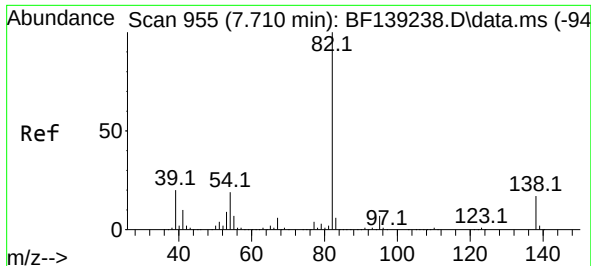
Tgt	Ion:136	Resp:	386060
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	10.1	8.4	12.6
68	5.8	4.8	7.2



#23
Nitrobenzene-d5
Concen: 12.868 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion: 82	Resp:	95494	
Ion Ratio	Lower	Upper	
82 100			
128 41.1	32.3	48.5	
54 60.4	51.2	76.8	

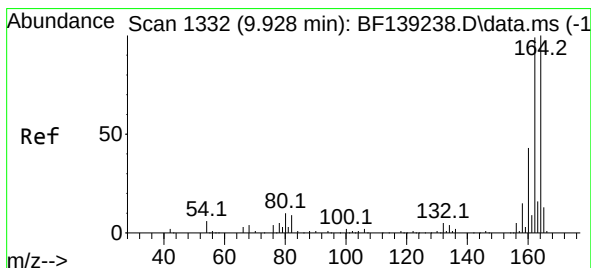
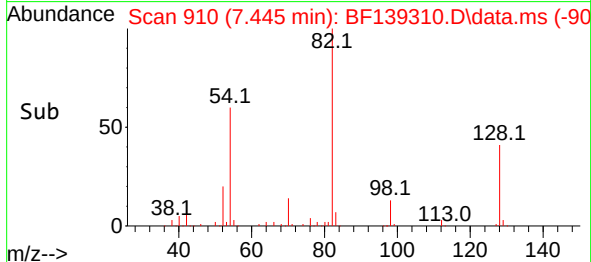
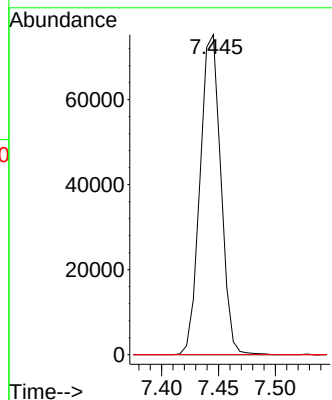
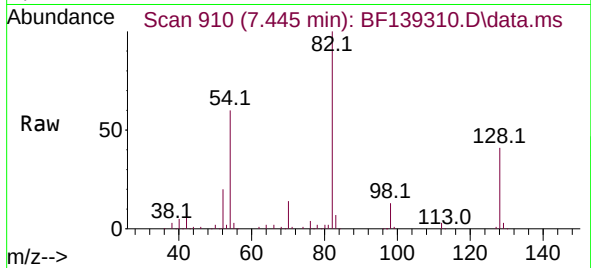




#25
Isophorone
Concen: 7.521 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

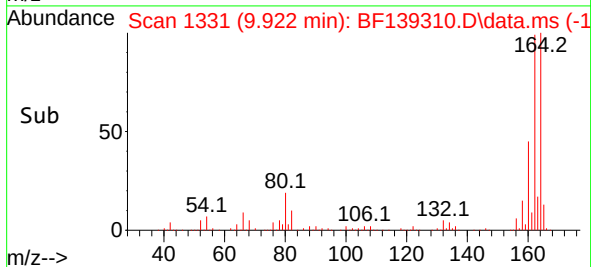
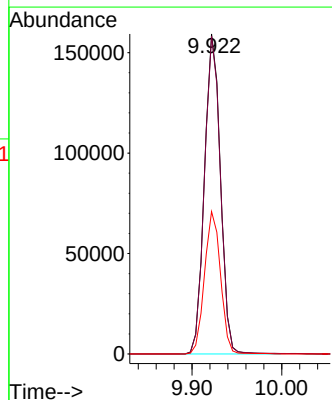
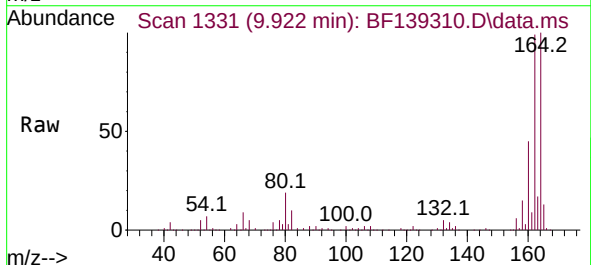
Instrument :
BNA_F
ClientSampleId :
PL-701-COMP-54

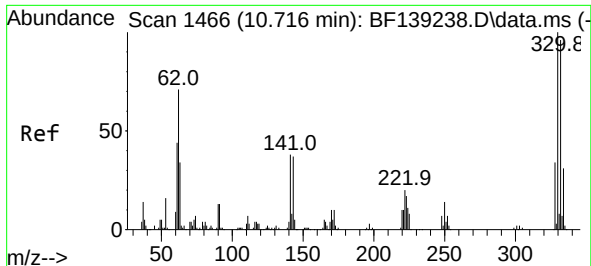
Tgt Ion: 82 Resp: 95426
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:164 Resp: 196955
Ion Ratio Lower Upper
164 100
162 99.3 79.2 118.8
160 44.5 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 16.777 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF139310.D

Acq: 10 Sep 2024 20:29

Instrument :

BNA_F

ClientSampleId :

PL-701-COMP-54

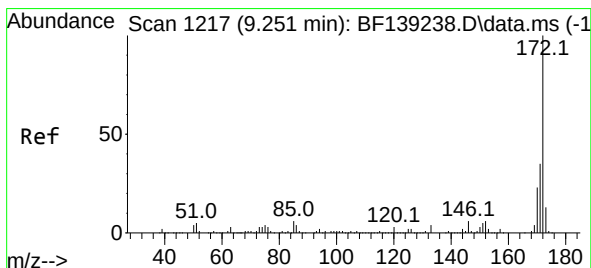
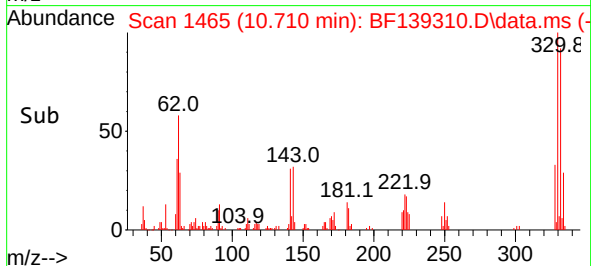
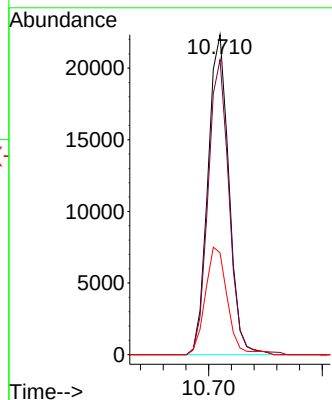
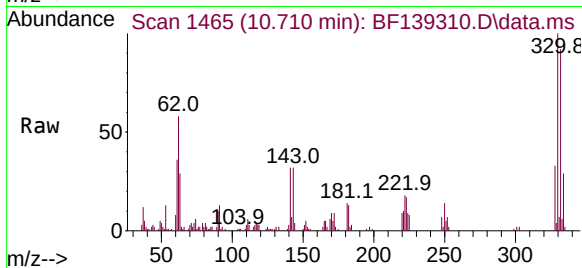
Tgt Ion:330 Resp: 28534

Ion Ratio Lower Upper

330 100

332 92.4 76.6 115.0

141 35.4 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 14.641 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF139310.D

Acq: 10 Sep 2024 20:29

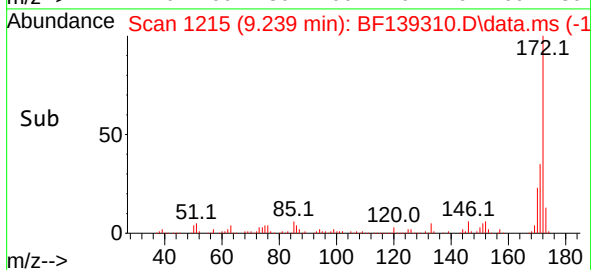
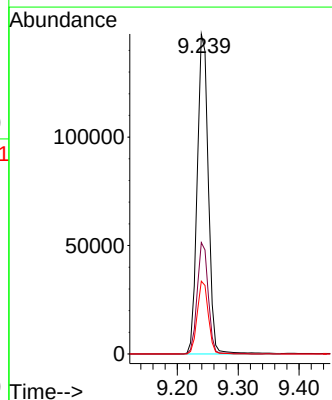
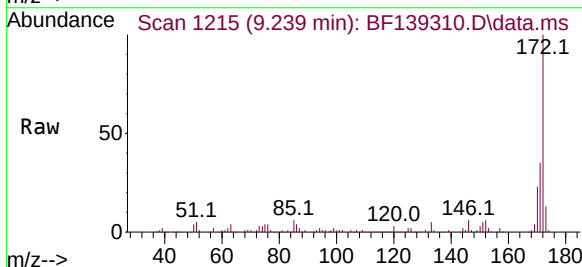
Tgt Ion:172 Resp: 186807

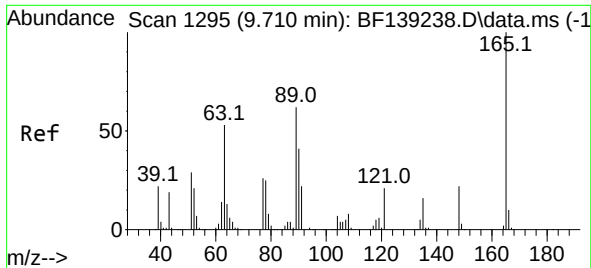
Ion Ratio Lower Upper

172 100

171 34.8 28.3 42.5

170 22.8 18.7 28.1

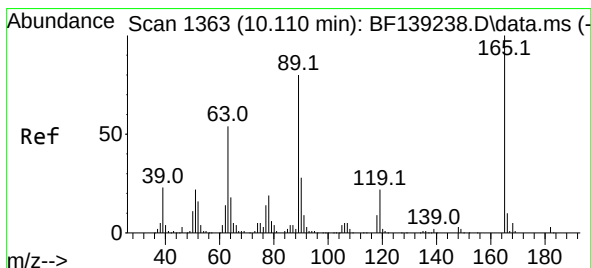
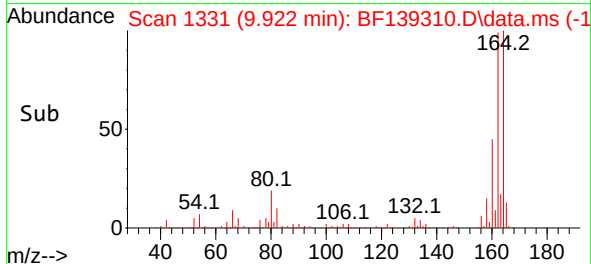
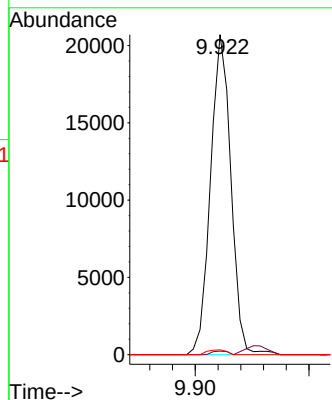
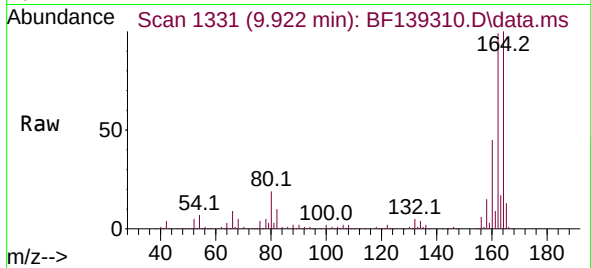




#51
2,6-Dinitrotoluene
Concen: 9.540 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

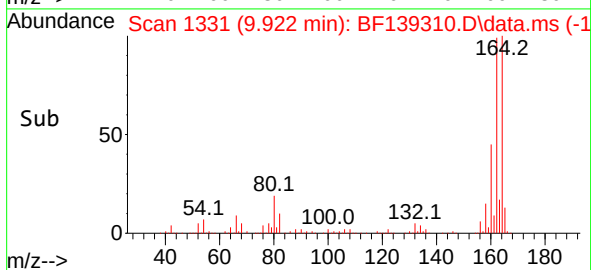
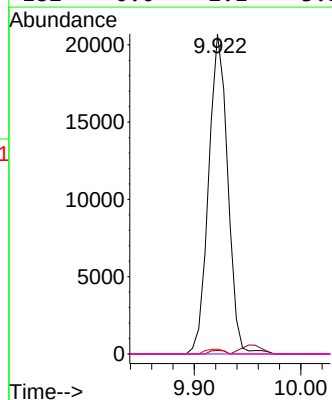
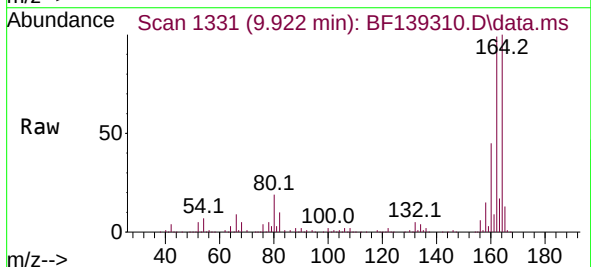
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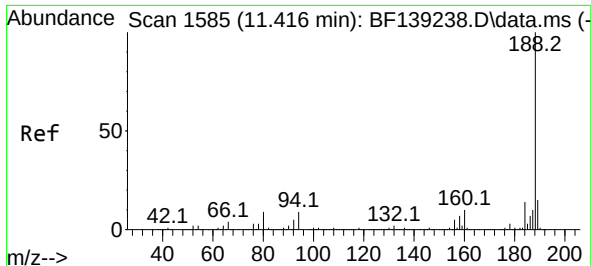
Tgt Ion:165 Resp: 25836
Ion Ratio Lower Upper
165 100
63 1.1 56.1 84.1#
89 1.5 49.7 74.5#



#57
2,4-Dinitrotoluene
Concen: 7.496 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:165 Resp: 25837
Ion Ratio Lower Upper
165 100
63 1.1 43.4 65.0#
89 1.5 64.2 96.4#
182 0.0 2.1 3.1#

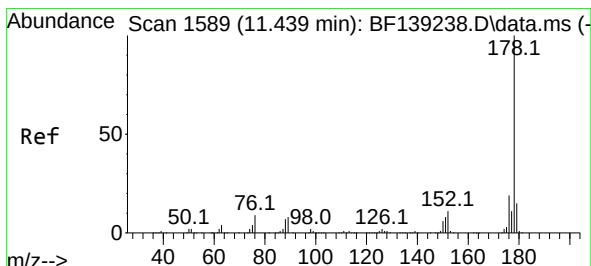
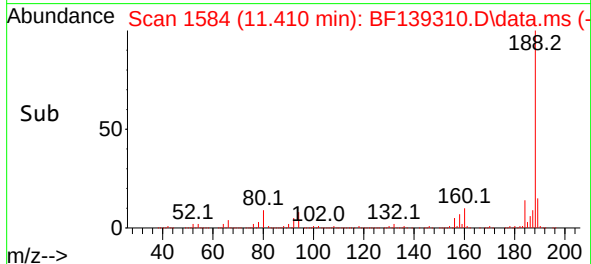
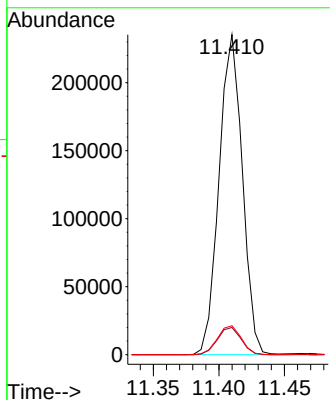
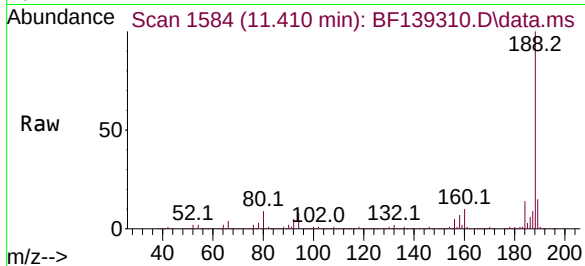




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

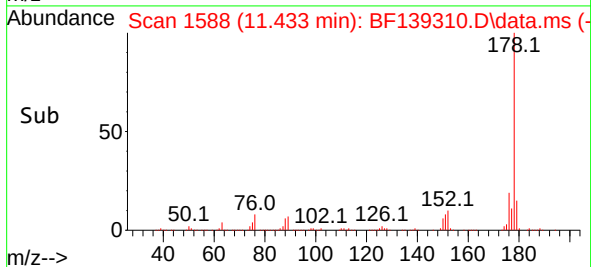
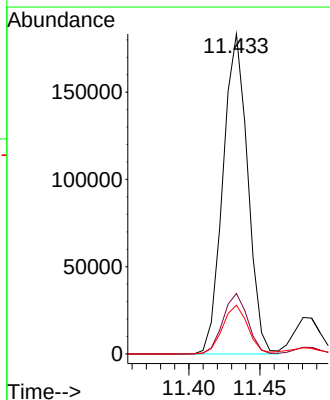
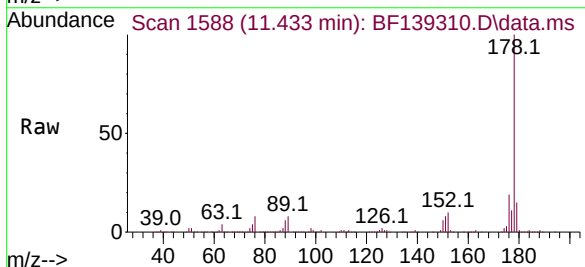
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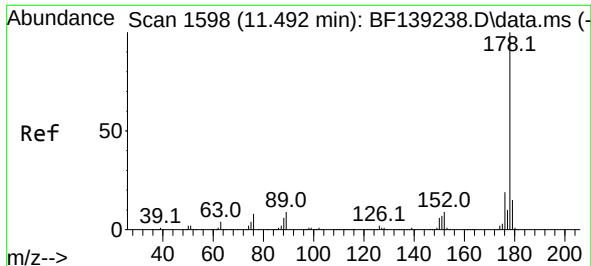
Tgt Ion:188 Resp: 290587
Ion Ratio Lower Upper
188 100
94 8.5 7.0 10.4
80 9.1 7.3 10.9



#71
Phenanthrene
Concen: 16.377 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:178 Resp: 222321
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.3 12.3 18.5

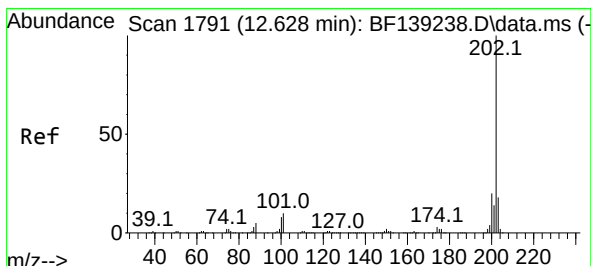
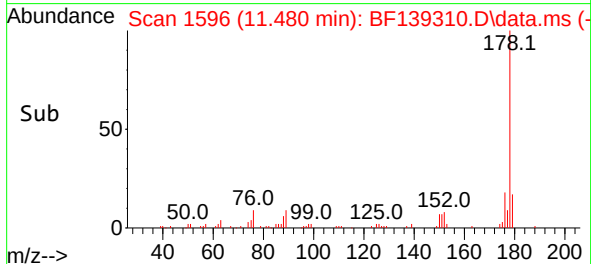
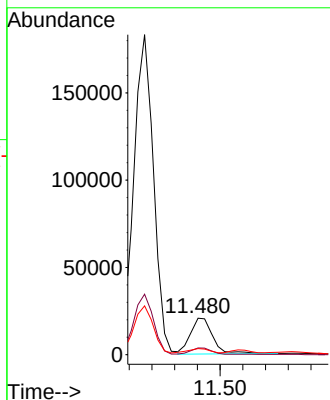
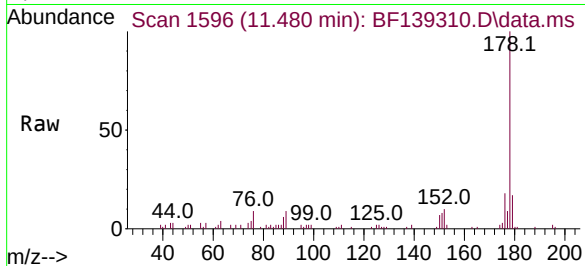




#72
Anthracene
Concen: 2.108 ng
RT: 11.480 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

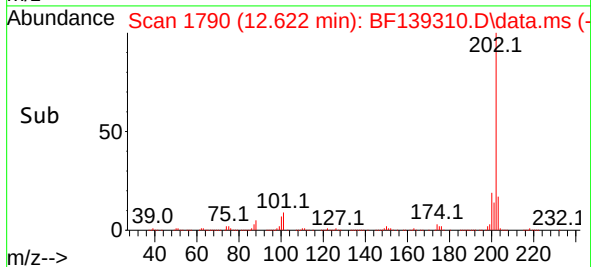
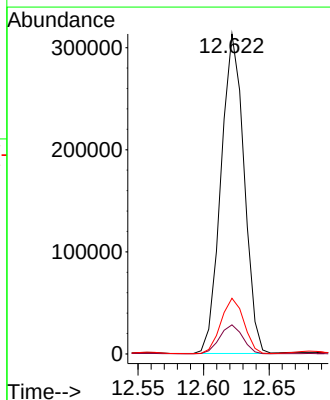
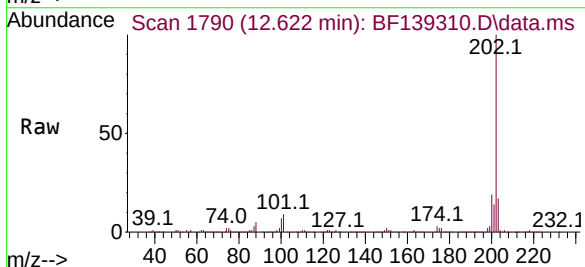
Instrument :
BNA_F
ClientSampleId :
PL-701-COMP-54

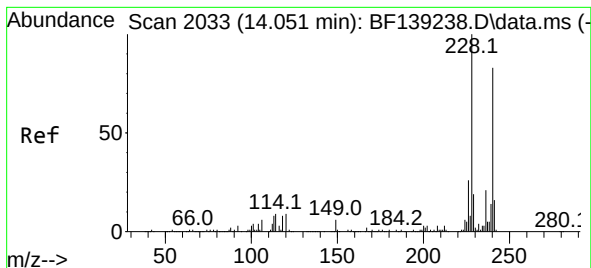
Tgt Ion:178 Resp: 27958
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 16.5 12.3 18.5



#75
Fluoranthene
Concen: 28.178 ng
RT: 12.622 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BF139310.D
Acq: 10 Sep 2024 20:29

Tgt Ion:202 Resp: 383495
Ion Ratio Lower Upper
202 100
101 9.1 0.0 29.9
203 17.4 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF139310.D

Acq: 10 Sep 2024 20:29

Instrument :

BNA_F

ClientSampleId :

PL-701-COMP-54

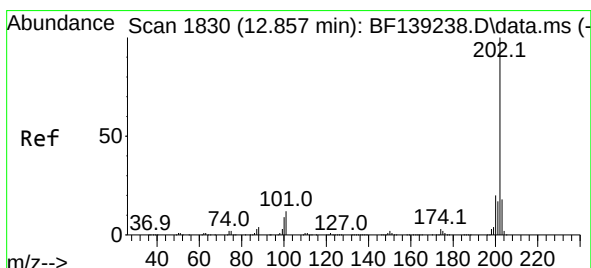
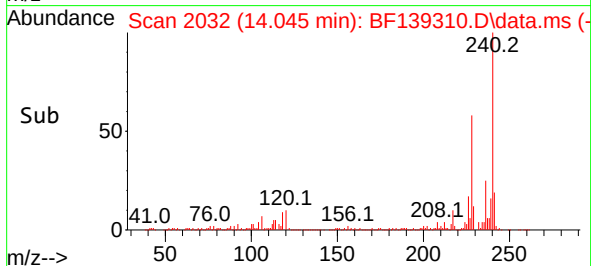
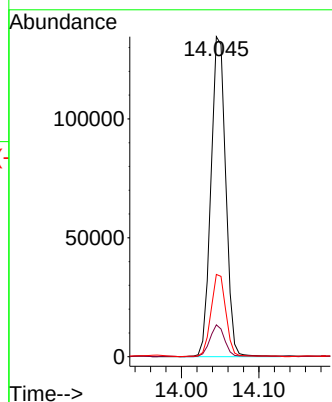
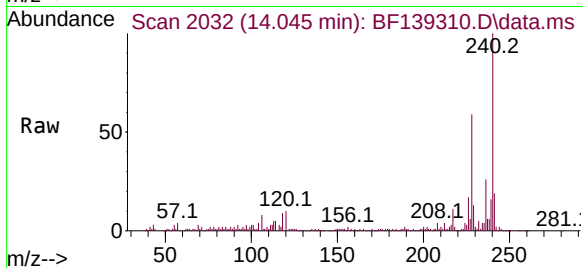
Tgt Ion:240 Resp: 178515

Ion Ratio Lower Upper

240 100

120 9.9 8.6 12.8

236 25.7 20.7 31.1



#78

Pyrene

Concen: 19.528 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF139310.D

Acq: 10 Sep 2024 20:29

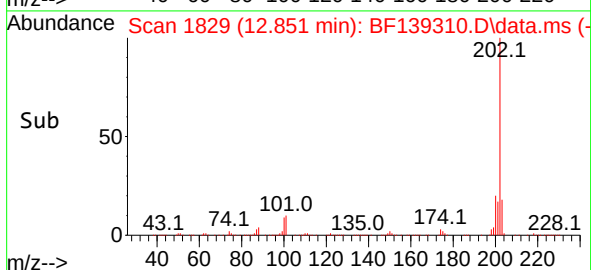
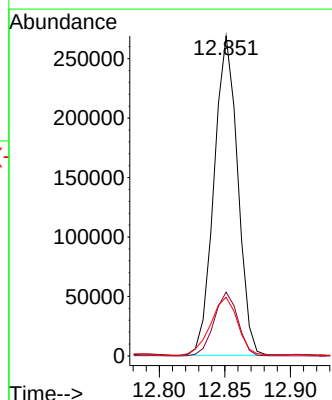
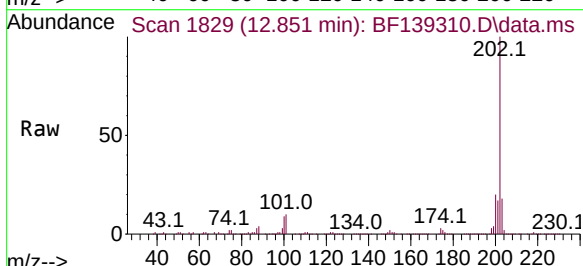
Tgt Ion:202 Resp: 336755

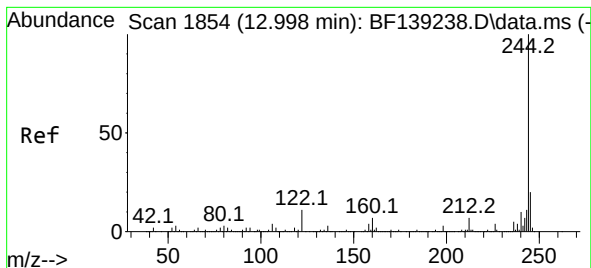
Ion Ratio Lower Upper

202 100

200 19.9 15.8 23.8

203 18.4 14.1 21.1





#79

Terphenyl-d14

Concen: 11.635 ng

RT: 12.992 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139310.D

Acq: 10 Sep 2024 20:29

Instrument :

BNA_F

ClientSampleId :

PL-701-COMP-54

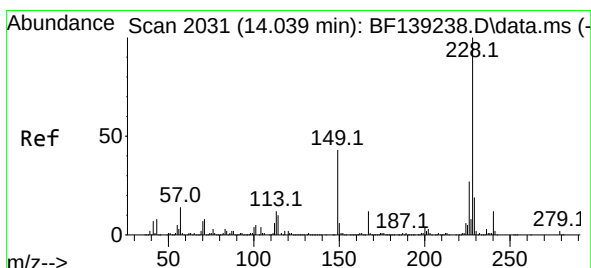
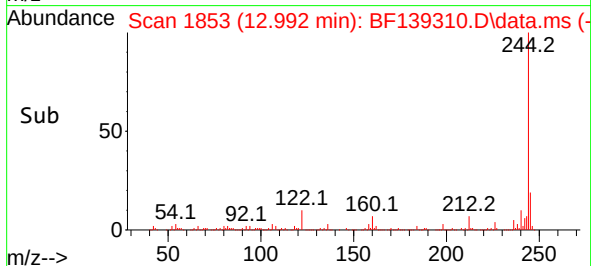
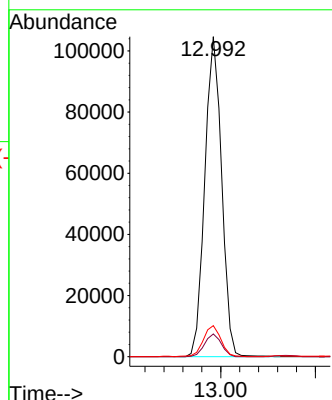
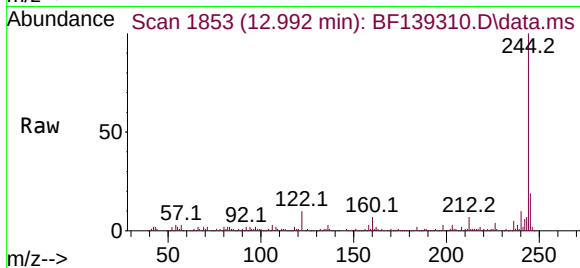
Tgt Ion:244 Resp: 128646

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

122 9.7 8.7 13.1



#81

Benzo(a)anthracene

Concen: 14.551 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF139310.D

Acq: 10 Sep 2024 20:29

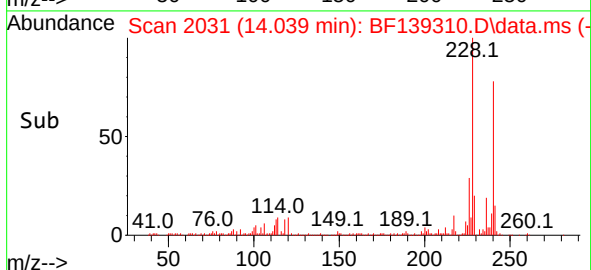
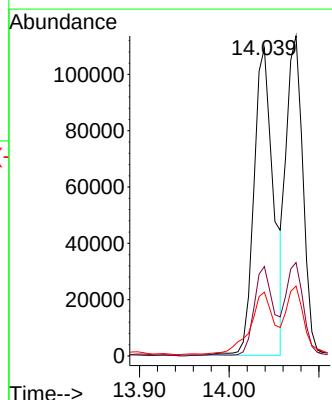
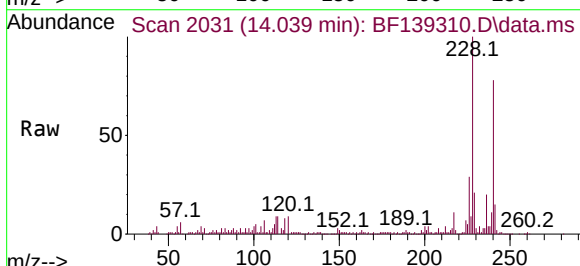
Tgt Ion:228 Resp: 165871

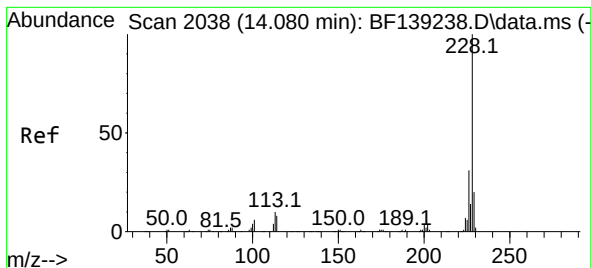
Ion Ratio Lower Upper

228 100

226 29.1 21.5 32.3

229 20.7 15.6 23.4





#83

Chrysene

Concen: 13.663 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF139310.D

Acq: 10 Sep 2024 20:29

Instrument :

BNA_F

ClientSampleId :

PL-701-COMP-54

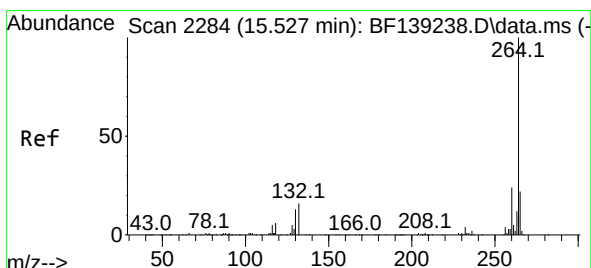
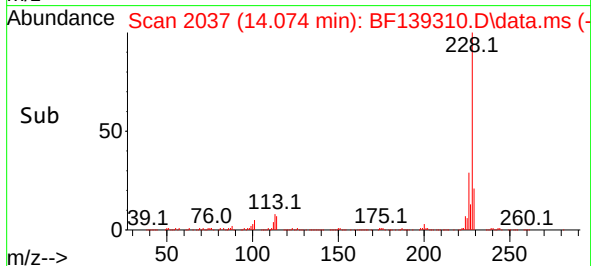
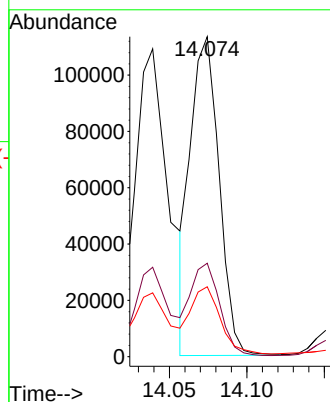
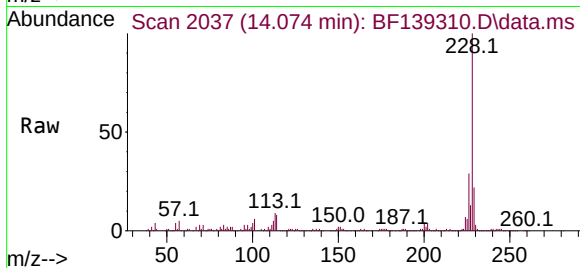
Tgt Ion:228 Resp: 145358

Ion Ratio Lower Upper

228 100

226 29.2 23.8 35.8

229 21.8 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2283

Delta R.T. -0.006 min

Lab File: BF139310.D

Acq: 10 Sep 2024 20:29

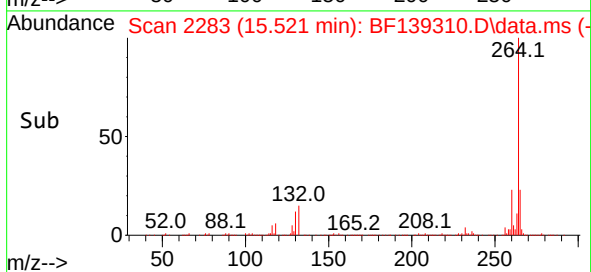
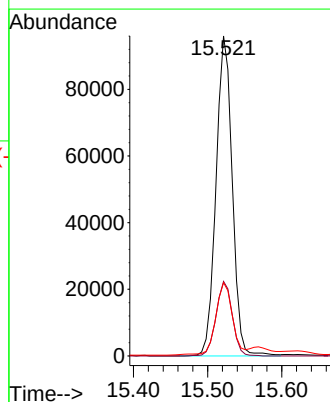
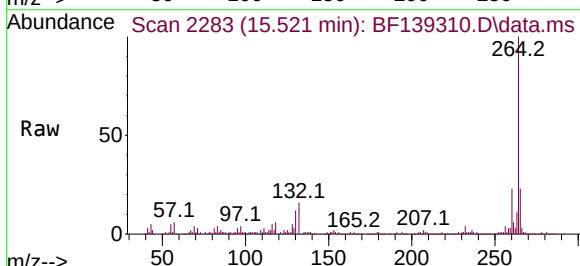
Tgt Ion:264 Resp: 146194

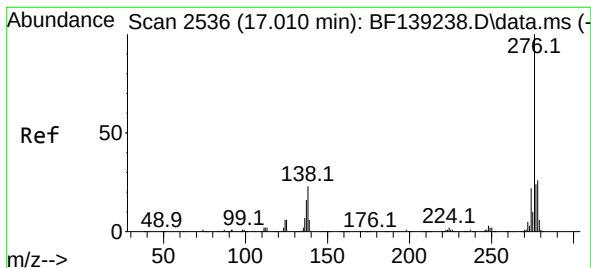
Ion Ratio Lower Upper

264 100

260 23.3 18.8 28.2

265 22.9 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.395 ng

RT: 16.992 min Scan# 2110

Delta R.T. -0.018 min

Lab File: BF139310.D

Acq: 10 Sep 2024 20:29

Instrument :

BNA_F

ClientSampleId :

PL-701-COMP-54

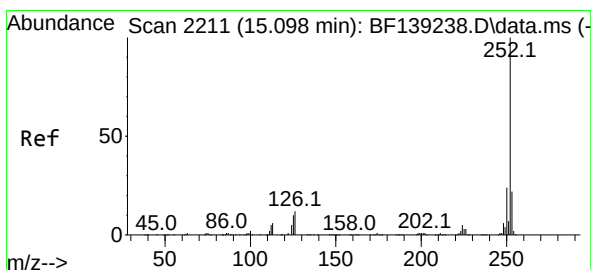
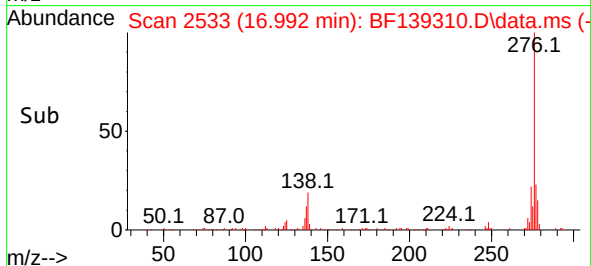
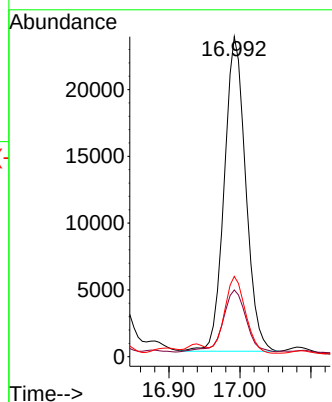
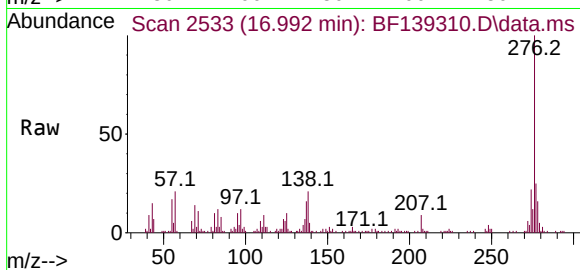
Tgt Ion:276 Resp: 49276

Ion Ratio Lower Upper

276 100

138 22.4 20.4 30.6

277 24.0 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 25.410 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF139310.D

Acq: 10 Sep 2024 20:29

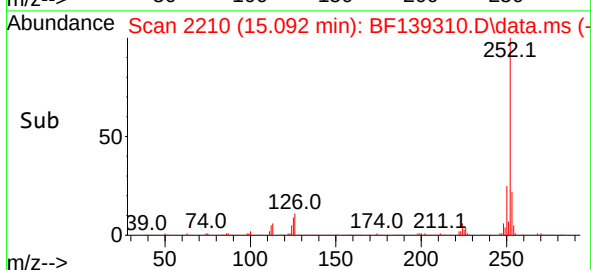
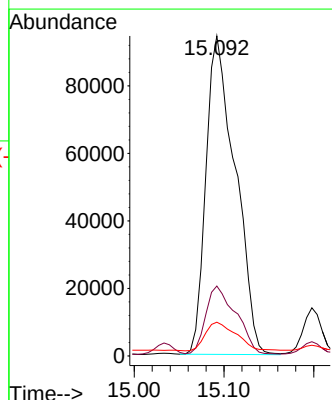
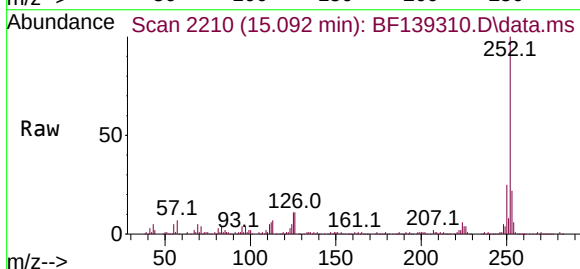
Tgt Ion:252 Resp: 213931

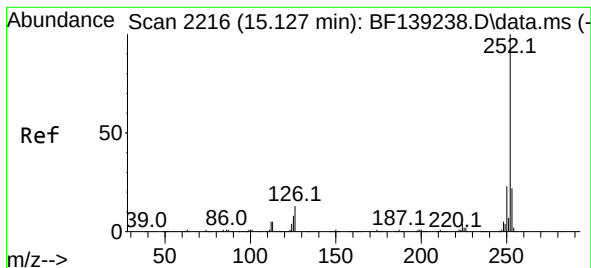
Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 10.5 7.6 11.4





#89

Benzo(k)fluoranthene

Concen: 28.339 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF139310.D

Acq: 10 Sep 2024 20:29

Instrument :

BNA_F

ClientSampleId :

PL-701-COMP-54

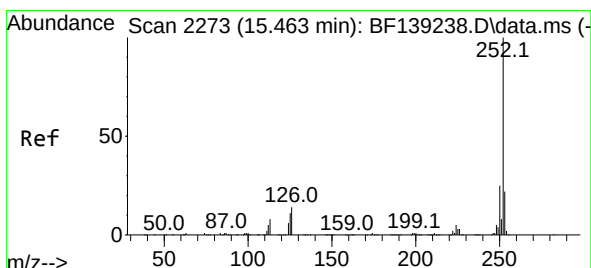
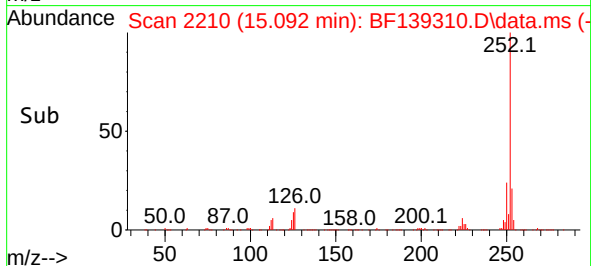
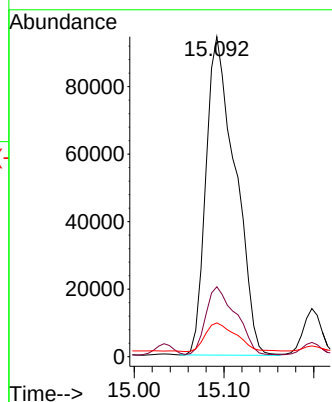
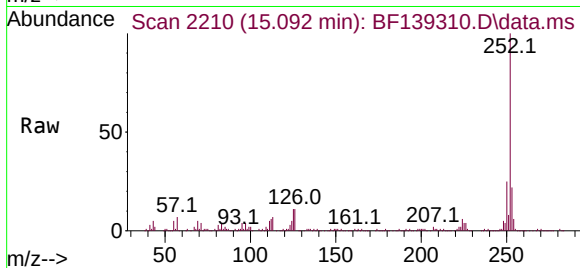
Tgt Ion:252 Resp: 213931

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 10.5 7.2 10.8



#90

Benzo(a)pyrene

Concen: 14.221 ng

RT: 15.457 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF139310.D

Acq: 10 Sep 2024 20:29

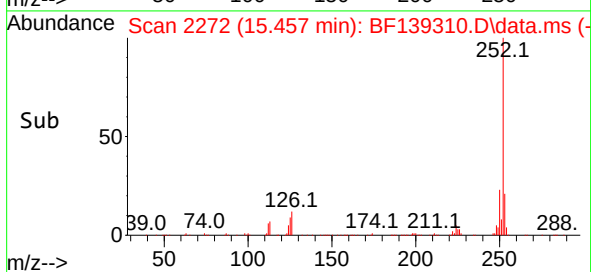
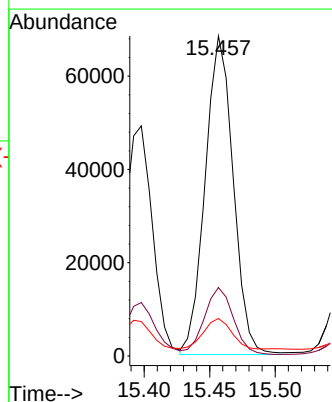
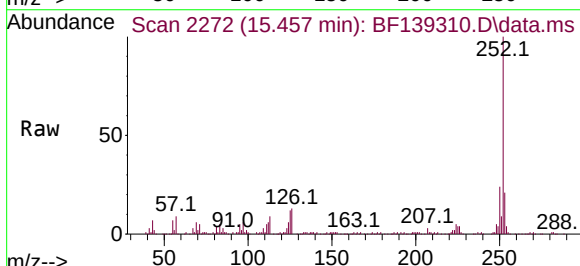
Tgt Ion:252 Resp: 101670

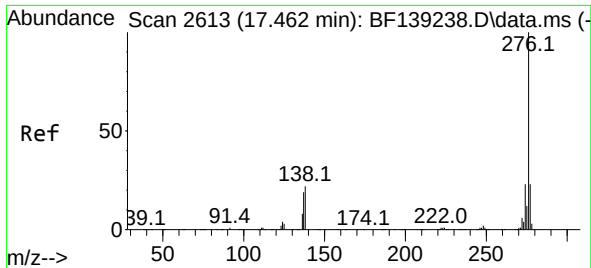
Ion Ratio Lower Upper

252 100

253 21.4 17.5 26.3

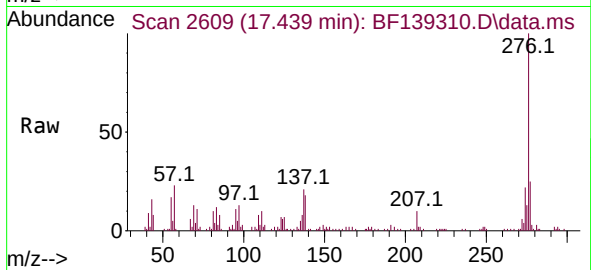
125 11.7 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 5.976 ng
 RT: 17.439 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BF139310.D
 Acq: 10 Sep 2024 20:29

Instrument :
 BNA_F
 ClientSampleId :
 PL-701-COMP-54



Tgt Ion:	276	Resp:	46431
Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	27.8
138	18.0	17.4	26.0

