

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139438.D
 Acq On : 18 Sep 2024 21:12
 Operator : RC/JU
 Sample : P4002-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: Sep 19 01:29:56 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)

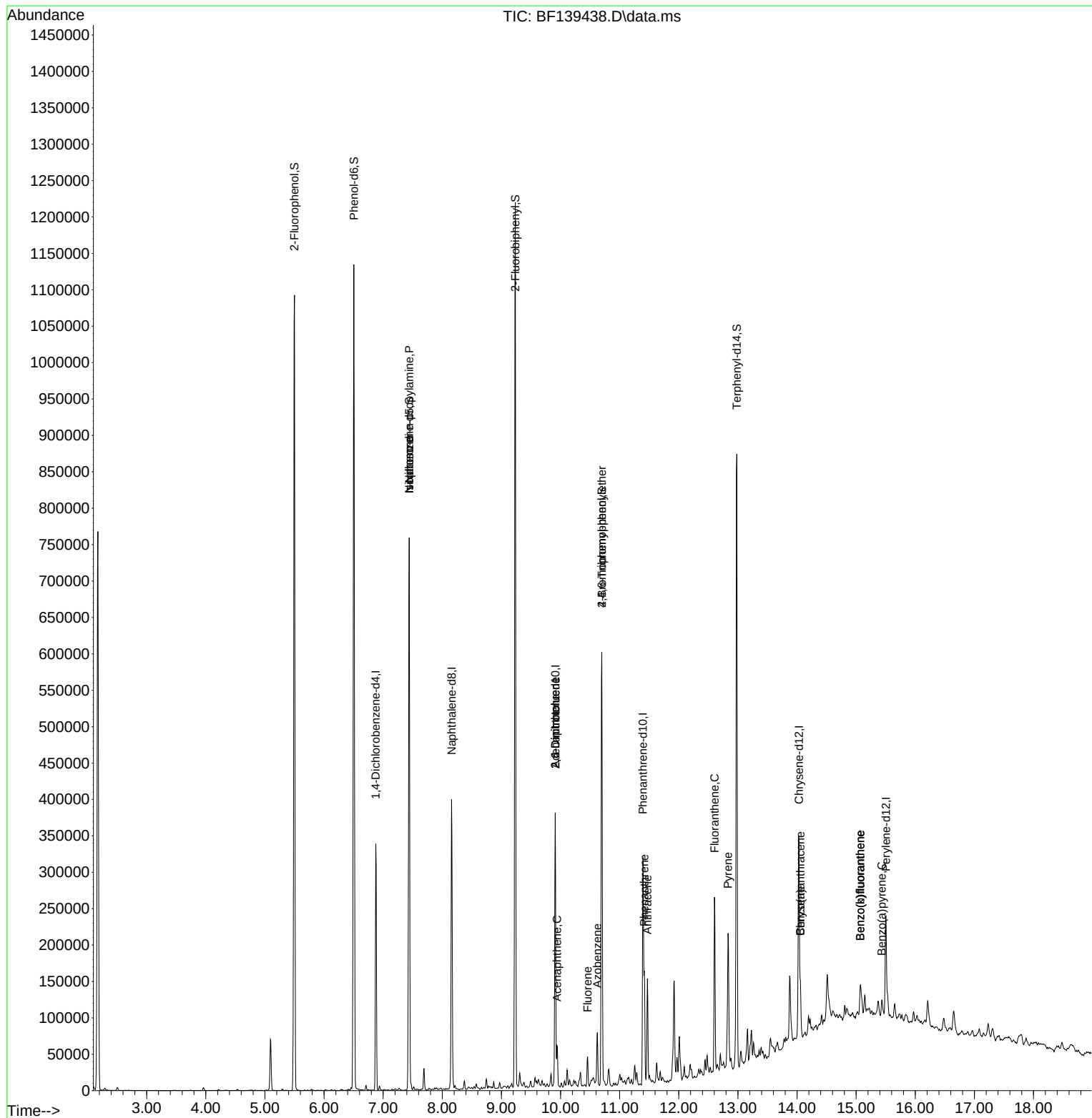
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	64991	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	223054	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	103470	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	162778	20.000	ng	0.00
76) Chrysene-d12	14.033	240	106663	20.000	ng	0.00
86) Perylene-d12	15.504	264	81450	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	360907	90.592	ng	0.00
7) Phenol-d6	6.504	99	472278	90.317	ng	0.00
23) Nitrobenzene-d5	7.440	82	310599	65.463	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	83817	76.089	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	507265	68.759	ng	0.00
79) Terphenyl-d14	12.980	244	399863	61.533	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	43643	14.084	ng	# 75
25) Isophorone	7.440	82	310647	41.399	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	13680	9.093	ng	# 15
52) Acenaphthene	9.939	154	16893	2.702	ng	97
57) 2,4-Dinitrotoluene	9.910	165	13680	6.735	ng	# 16
58) Fluorene	10.457	166	14243	2.003	ng	98
63) Azobenzene	10.622	77	17829	2.587	ng	# 5
67) 4-Bromophenyl-phenylether	10.698	248	5511	3.416	ng	# 1
71) Phenanthrene	11.416	178	74719	9.514	ng	99
72) Anthracene	11.469	178	75056	9.775	ng	99
75) Fluoranthene	12.604	202	132633	15.815	ng	99
78) Pyrene	12.833	202	106130	11.588	ng	97
81) Benzo(a)anthracene	14.057	228	38497	5.449	ng	93
83) Chrysene	14.057	228	38497	5.922	ng	96
88) Benzo(b)fluoranthene	15.068	252	32530	6.476	ng	# 88
89) Benzo(k)fluoranthene	15.068	252	32530	7.023	ng	# 87
90) Benzo(a)pyrene	15.433	252	14760	3.543	ng	# 90

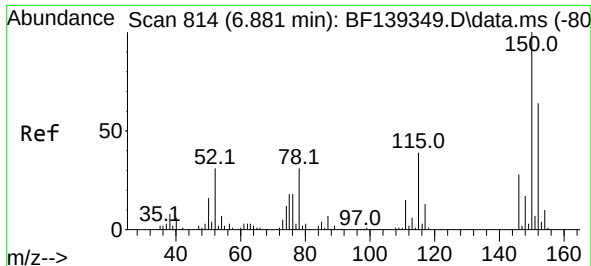
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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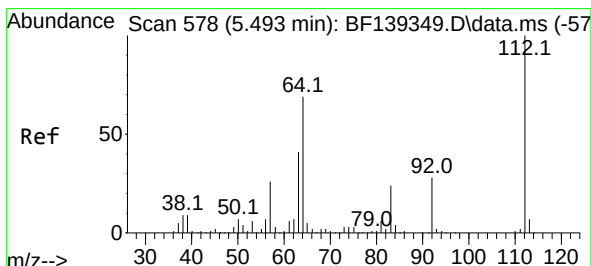
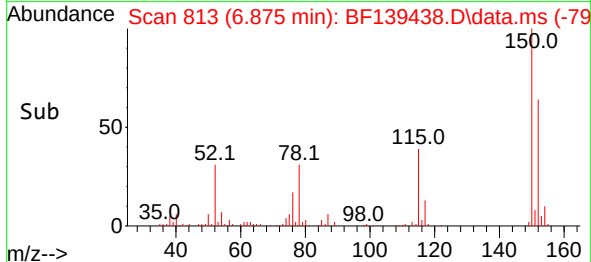
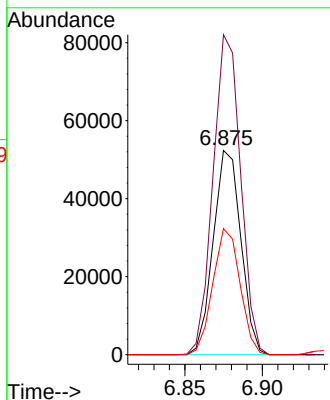
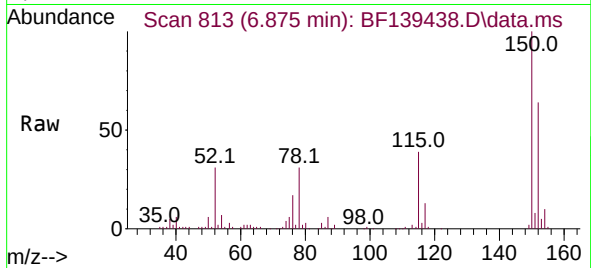




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12

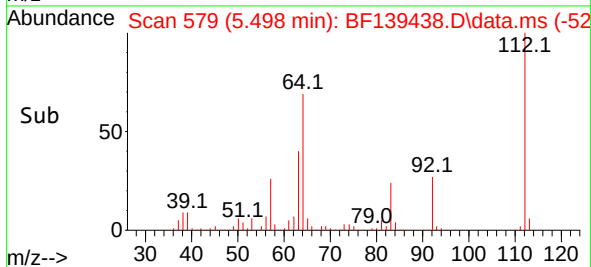
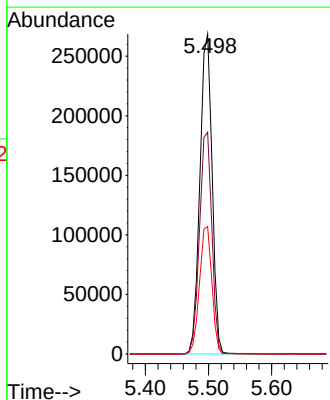
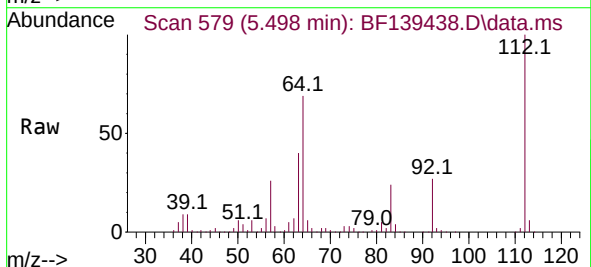
Instrument :
BNA_F
ClientSampleId :
TP-5

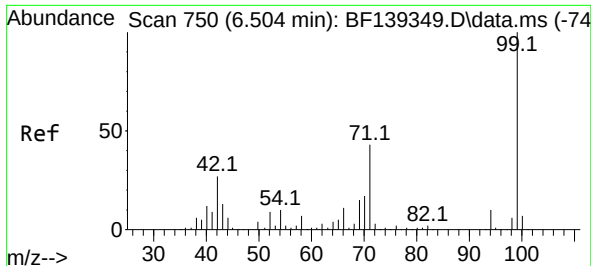
Tgt Ion:152 Resp: 64991
Ion Ratio Lower Upper
152 100
150 156.6 124.1 186.1
115 61.7 48.1 72.1



#5
2-Fluorophenol
Concen: 90.592 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.005 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12

Tgt Ion:112 Resp: 360907
Ion Ratio Lower Upper
112 100
64 69.3 54.8 82.2
63 39.8 33.0 49.4





#7

Phenol-d6

Concen: 90.317 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF139438.D

Acq: 18 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

TP-5

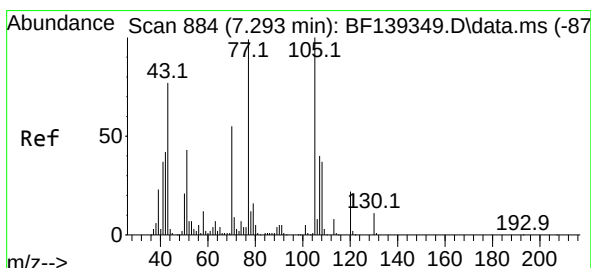
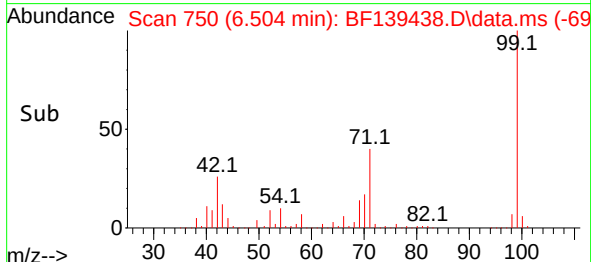
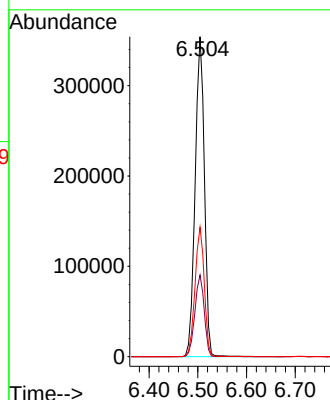
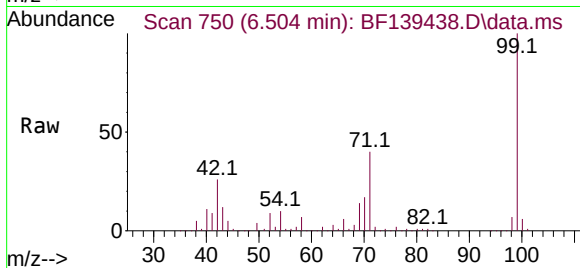
Tgt Ion: 99 Resp: 472278

Ion Ratio Lower Upper

99 100

42 25.5 21.9 32.9

71 40.4 34.6 52.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.084 ng

RT: 7.440 min Scan# 909

Delta R.T. 0.147 min

Lab File: BF139438.D

Acq: 18 Sep 2024 21:12

Tgt Ion: 70 Resp: 43643

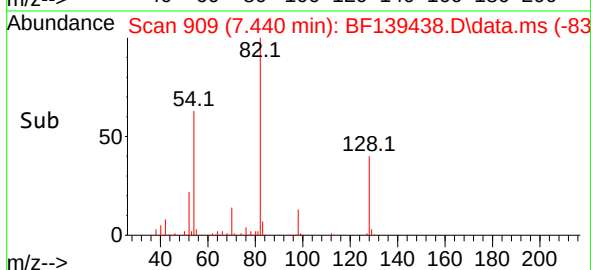
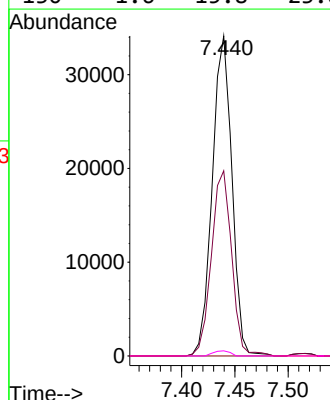
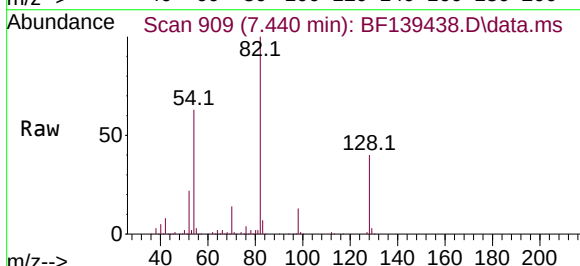
Ion Ratio Lower Upper

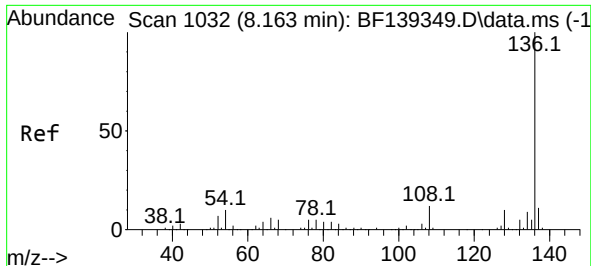
70 100

42 57.9 61.2 91.8#

101 0.0 7.5 11.3#

130 1.6 15.8 23.8#

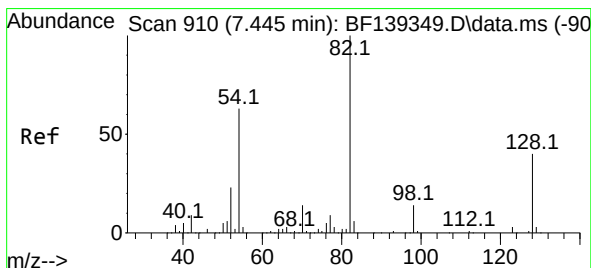
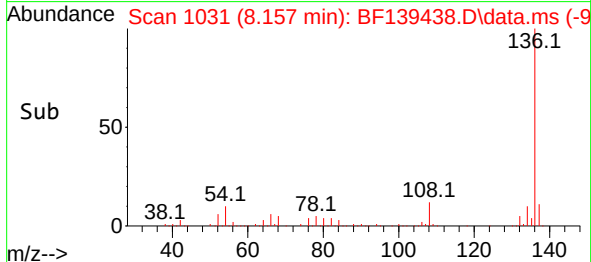
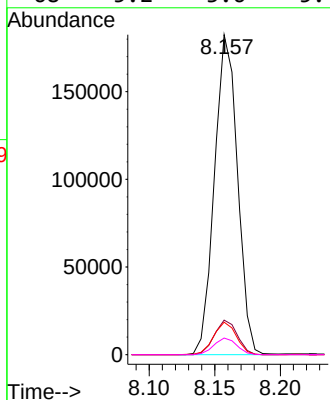
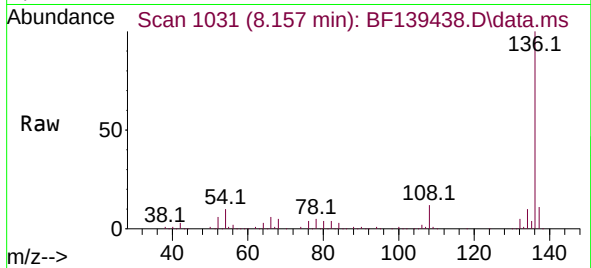




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12

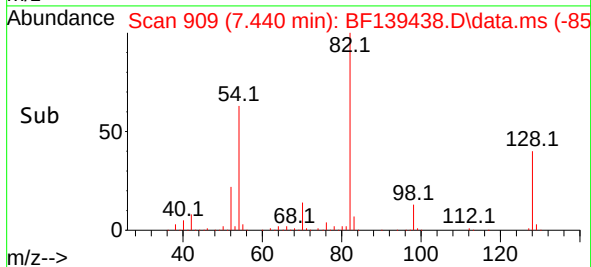
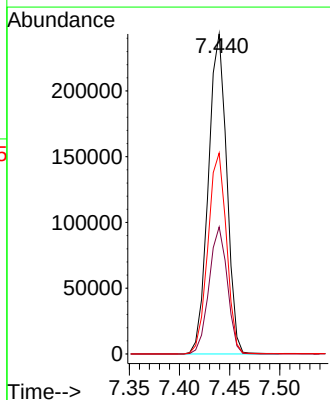
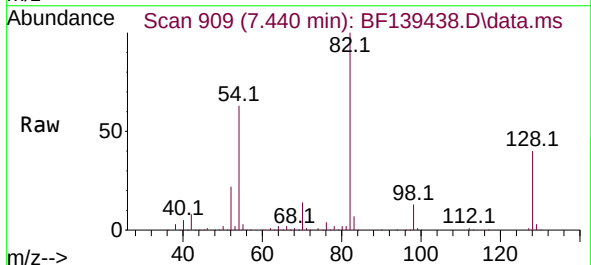
Instrument :
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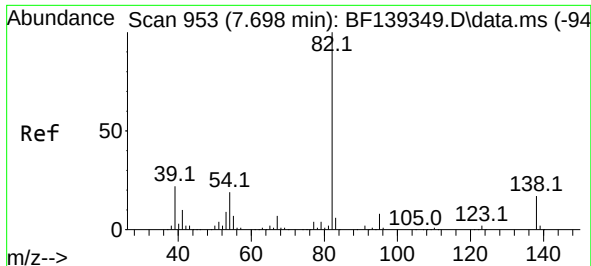
Tgt	Ion:136	Resp:	223054
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	10.1	7.8	11.8
68	5.2	3.6	5.4



#23
Nitrobenzene-d5
Concen: 65.463 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12

Tgt Ion: 82	Resp: 310599
Ion Ratio	Lower Upper
82 100	
128 39.7	31.8 47.6
54 62.8	50.6 75.8

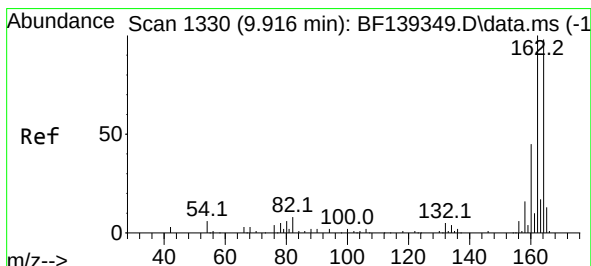
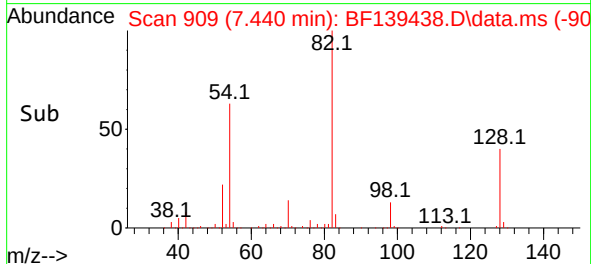
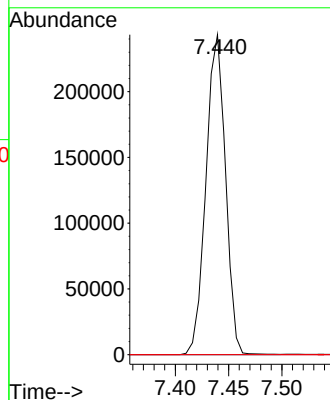
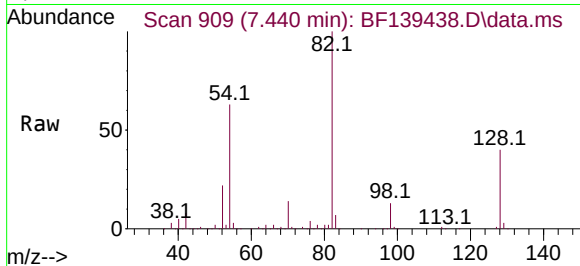




#25
Isophorone
Concen: 41.399 ng
RT: 7.440 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12

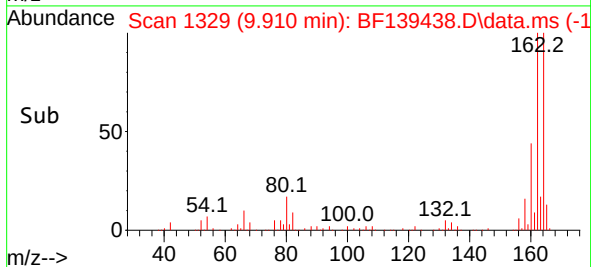
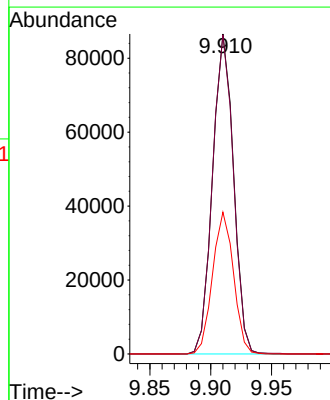
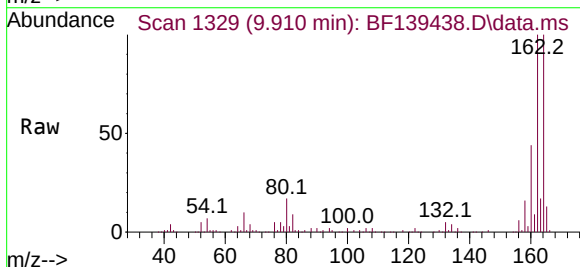
Instrument :
BNA_F
ClientSampleId :
TP-5

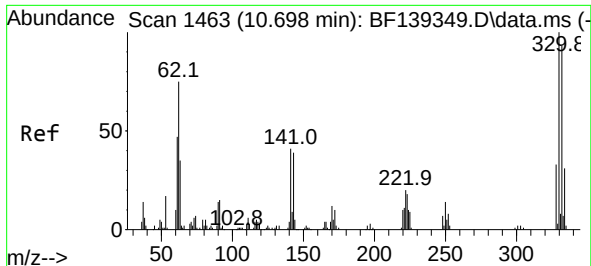
Tgt Ion: 82 Resp: 310647
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12

Tgt Ion:164 Resp: 103470
Ion Ratio Lower Upper
164 100
162 99.7 81.3 121.9
160 44.3 36.4 54.6

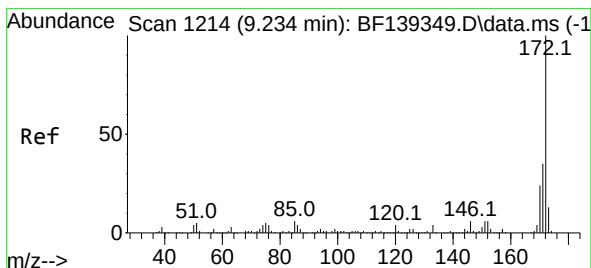
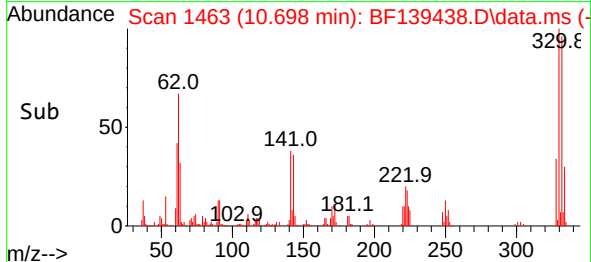
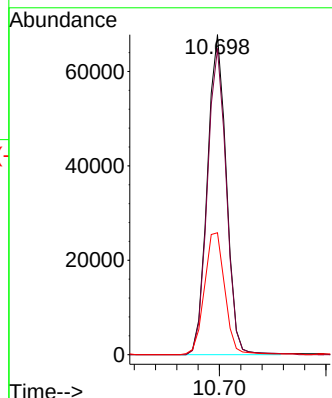
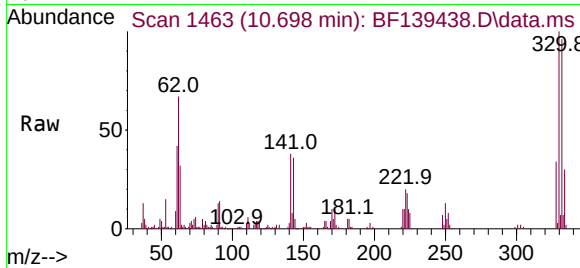




#42
2,4,6-Tribromophenol
Concen: 76.089 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12

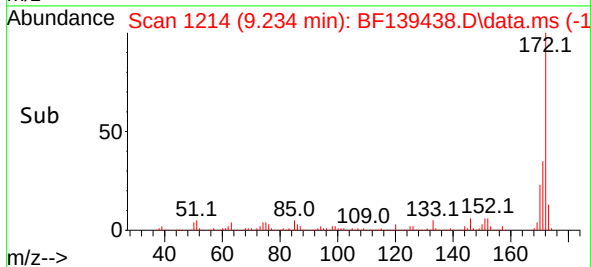
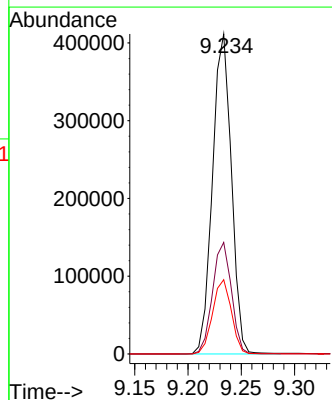
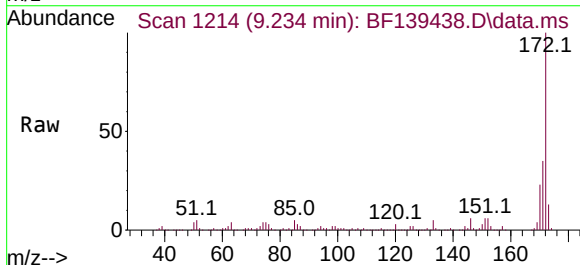
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ClientSampleId :
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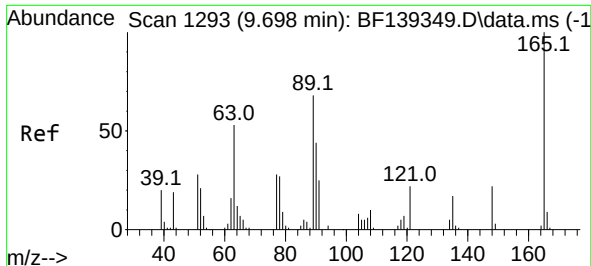
Tgt Ion: 330 Resp: 83817
Ion Ratio Lower Upper
330 100
332 95.8 75.2 112.8
141 41.4 31.2 46.8



#45
2-Fluorobiphenyl
Concen: 68.759 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12

Tgt Ion: 172 Resp: 507265
Ion Ratio Lower Upper
172 100
171 34.8 28.3 42.5
170 23.2 19.0 28.6

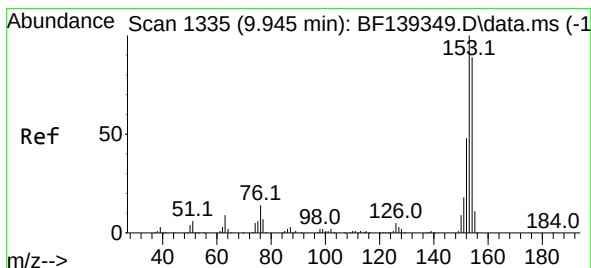
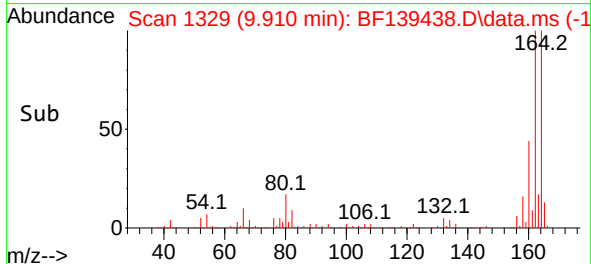
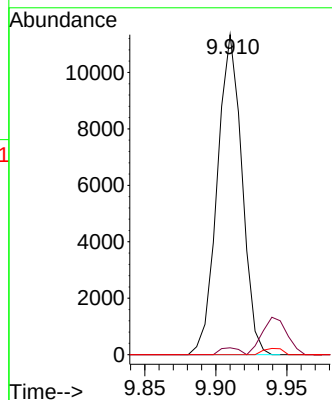
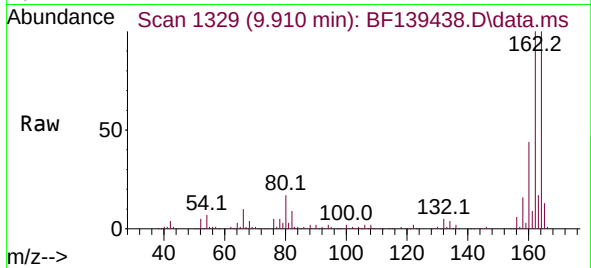




#51
2,6-Dinitrotoluene
Concen: 9.093 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12

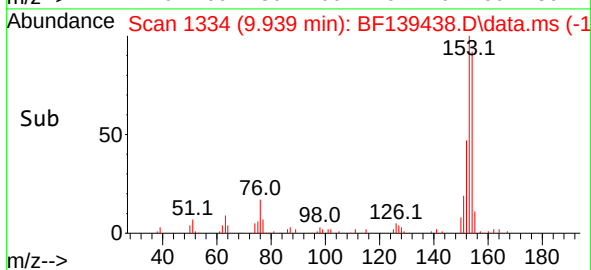
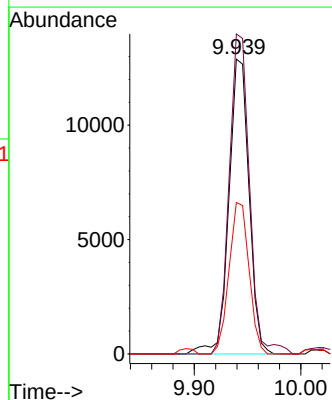
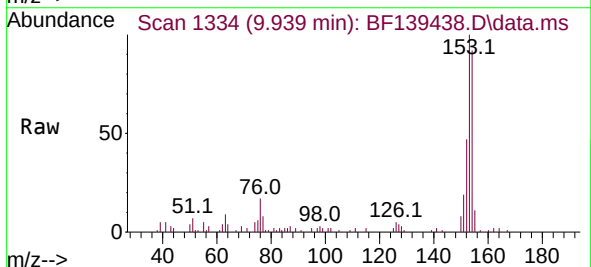
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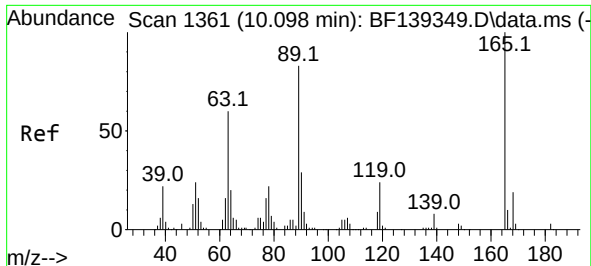
Tgt Ion:165 Resp: 13680
Ion Ratio Lower Upper
165 100
63 2.2 60.9 91.3#
89 0.0 54.7 82.1#



#52
Acenaphthene
Concen: 2.702 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12

Tgt Ion:154 Resp: 16893
Ion Ratio Lower Upper
154 100
153 108.5 89.5 134.3
152 51.4 42.6 64.0

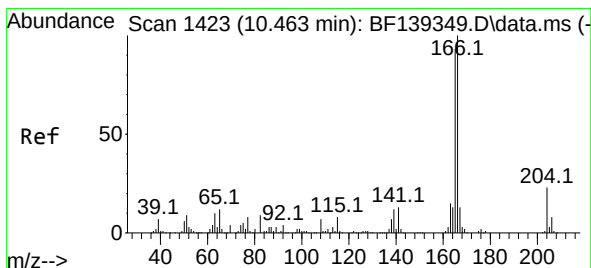
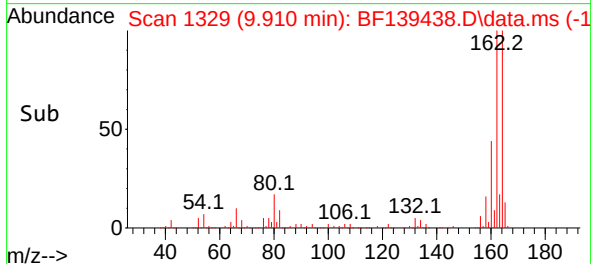
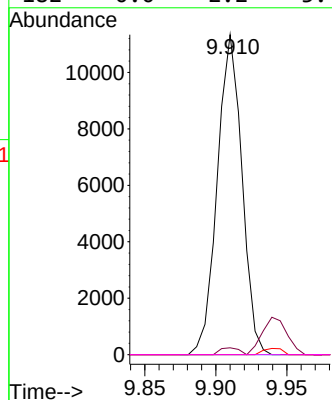
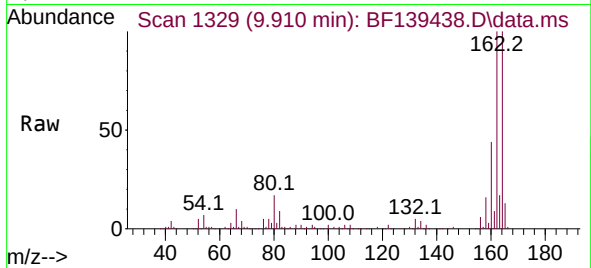




#57
2,4-Dinitrotoluene
Concen: 6.735 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12

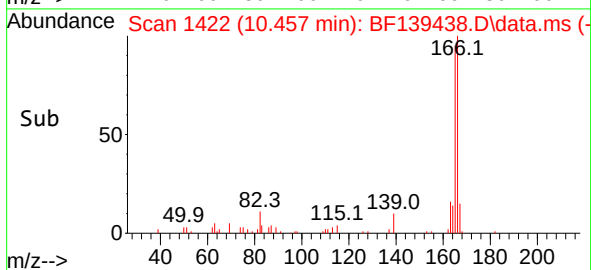
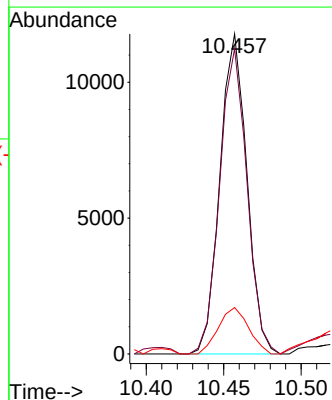
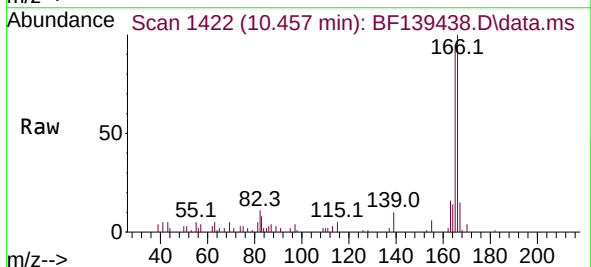
Instrument :
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TP-5

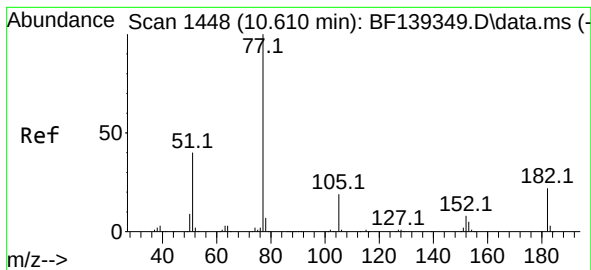
Tgt Ion:165 Resp: 13680
Ion Ratio Lower Upper
165 100
63 2.2 47.8 71.6#
89 0.0 66.7 100.1#
182 0.0 2.2 3.4#



#58
Fluorene
Concen: 2.003 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12

Tgt Ion:166 Resp: 14243
Ion Ratio Lower Upper
166 100
165 95.4 74.5 111.7
167 14.5 10.6 16.0





#63

Azobenzene

Concen: 2.587 ng

RT: 10.622 min Scan# 1448

Delta R.T. 0.012 min

Lab File: BF139438.D

Acq: 18 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

TP-5

Tgt Ion: 77 Resp: 17829

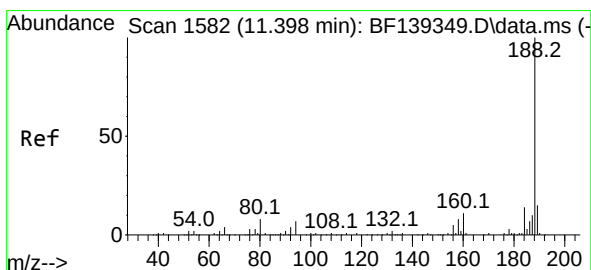
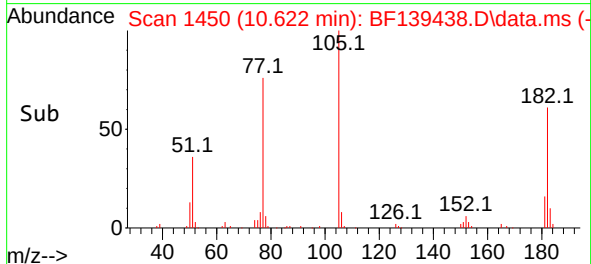
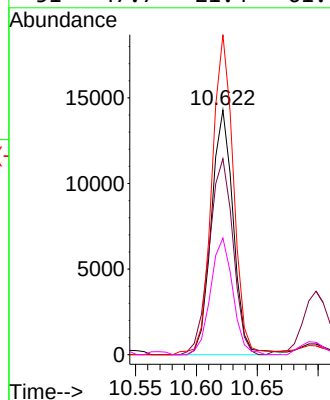
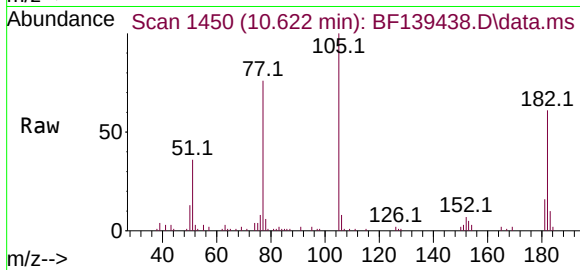
Ion Ratio Lower Upper

77 100

182 80.1 1.8 41.8#

105 130.8 0.0 38.6#

51 47.7 21.4 61.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF139438.D

Acq: 18 Sep 2024 21:12

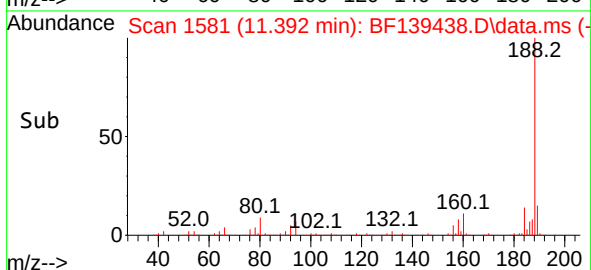
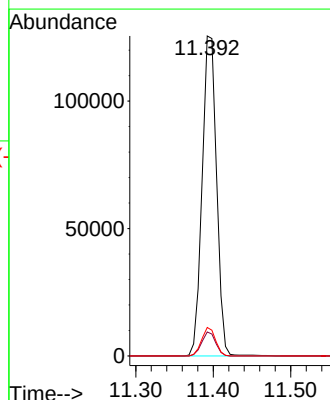
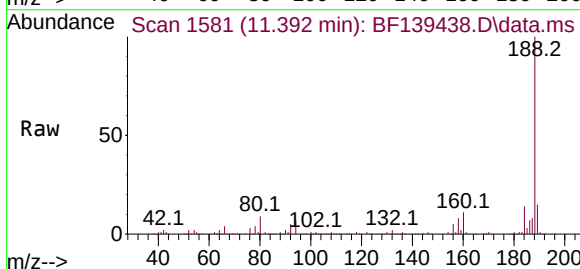
Tgt Ion: 188 Resp: 162778

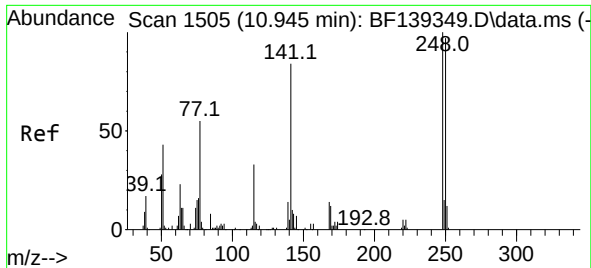
Ion Ratio Lower Upper

188 100

94 7.5 5.5 8.3

80 8.9 6.6 9.8

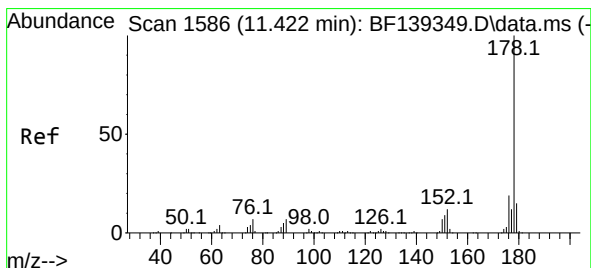
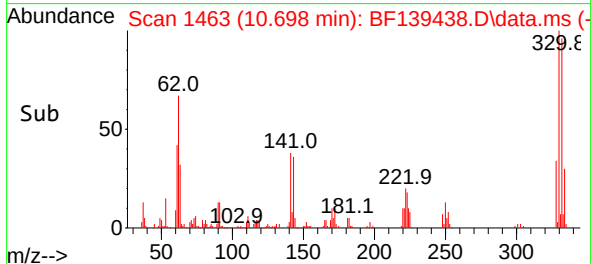
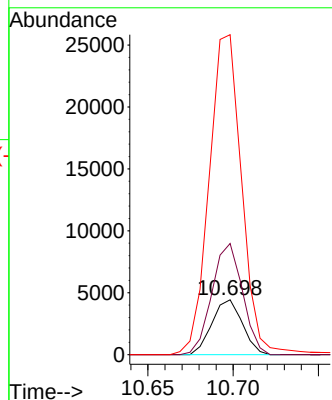
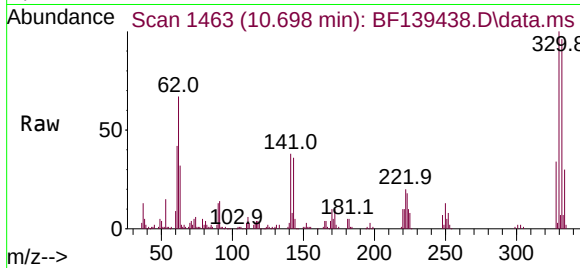




#67
4-Bromophenyl-phenylether
Concen: 3.416 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12

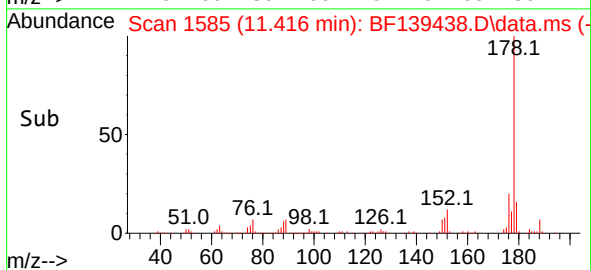
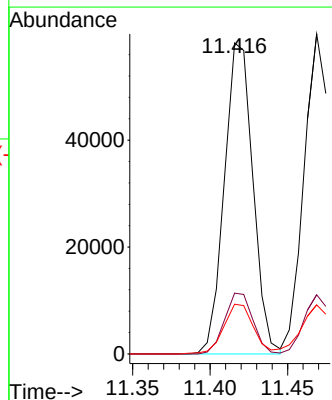
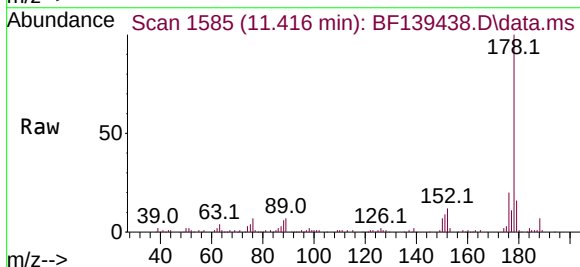
Instrument :
BNA_F
ClientSampleId :
TP-5

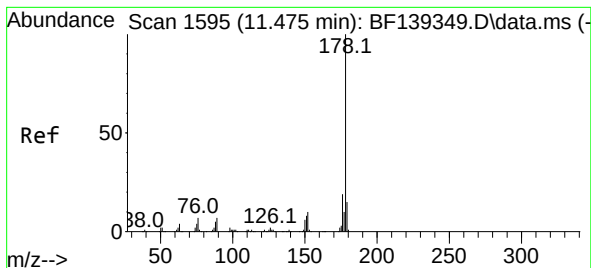
Tgt Ion:248 Resp: 5511
Ion Ratio Lower Upper
248 100
250 202.7 77.6 116.4#
141 583.4 66.9 100.3#



#71
Phenanthrene
Concen: 9.514 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139438.D
Acq: 18 Sep 2024 21:12

Tgt Ion:178 Resp: 74719
Ion Ratio Lower Upper
178 100
176 19.6 15.2 22.8
179 16.0 12.2 18.4





#72

Anthracene

Concen: 9.775 ng

RT: 11.469 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139438.D

Acq: 18 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

TP-5

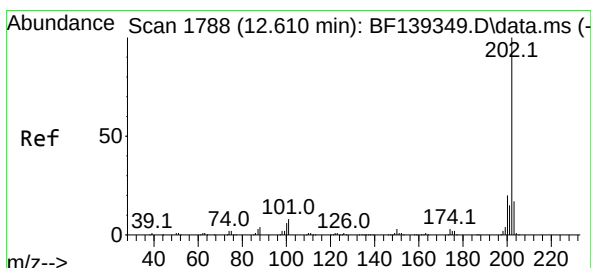
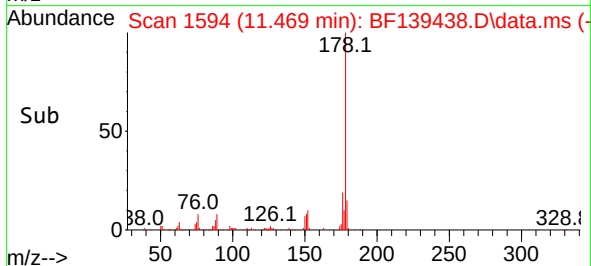
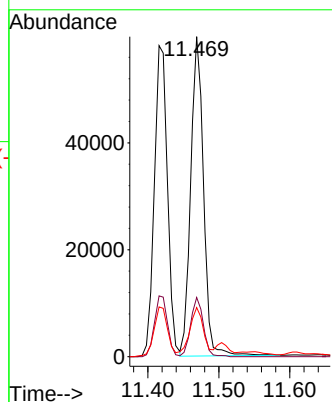
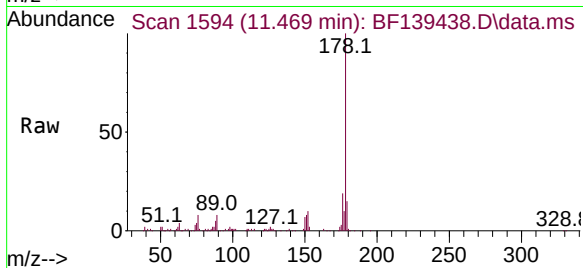
Tgt Ion:178 Resp: 75056

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.6

179 15.3 12.0 18.0



#75

Fluoranthene

Concen: 15.815 ng

RT: 12.604 min Scan# 1787

Delta R.T. -0.006 min

Lab File: BF139438.D

Acq: 18 Sep 2024 21:12

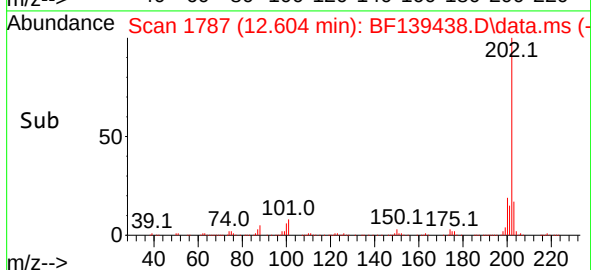
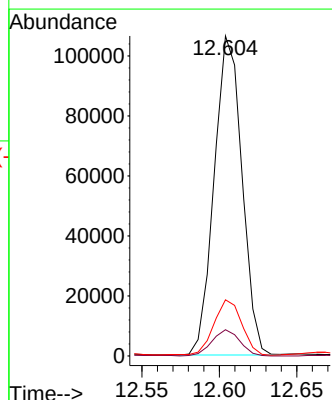
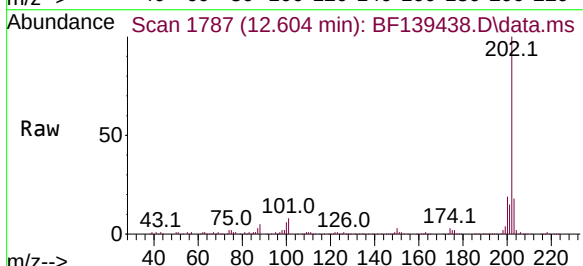
Tgt Ion:202 Resp: 132633

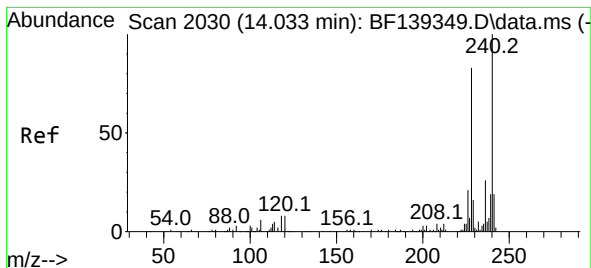
Ion Ratio Lower Upper

202 100

101 8.2 0.0 27.7

203 17.5 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: BF139438.D

Acq: 18 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

TP-5

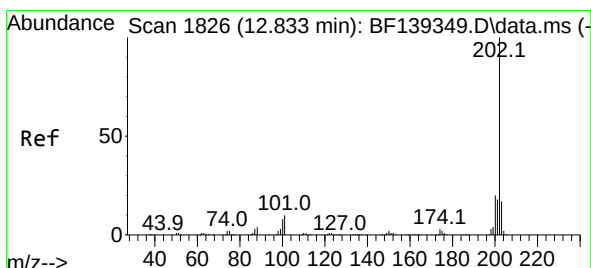
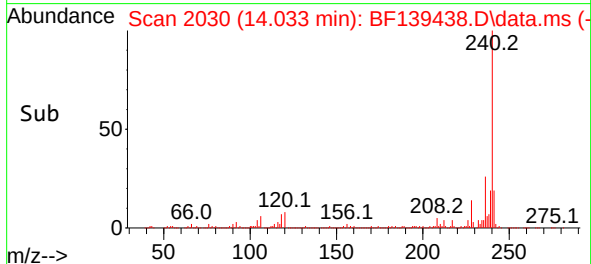
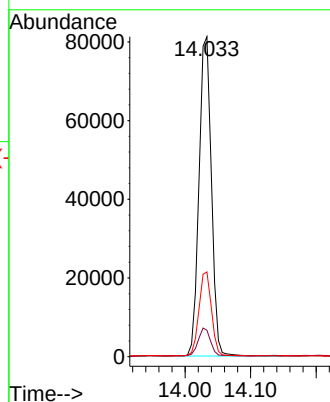
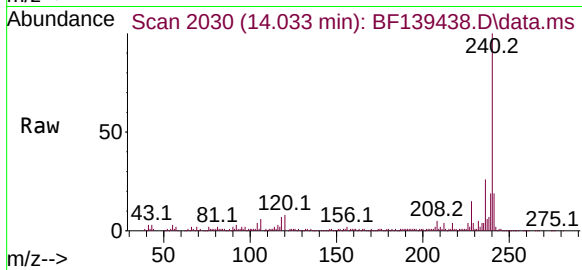
Tgt Ion:240 Resp: 106663

Ion Ratio Lower Upper

240 100

120 8.3 6.2 9.2

236 26.5 20.9 31.3



#78

Pyrene

Concen: 11.588 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF139438.D

Acq: 18 Sep 2024 21:12

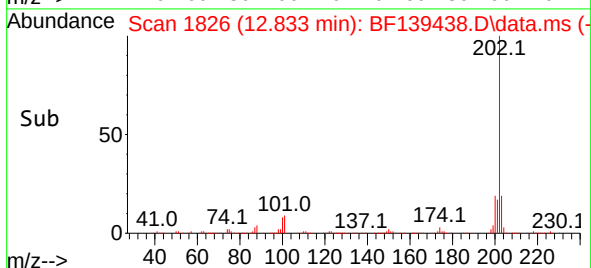
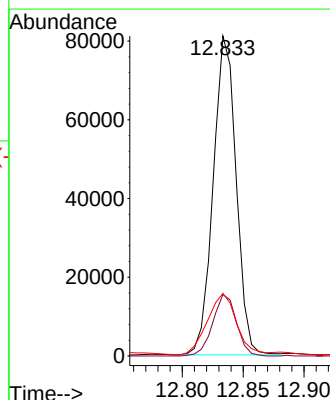
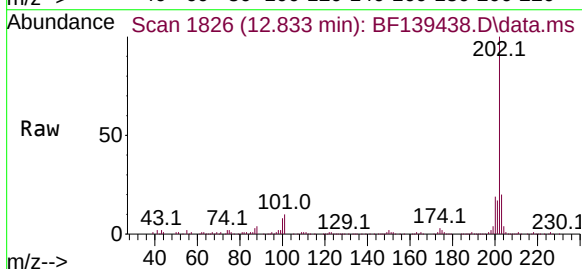
Tgt Ion:202 Resp: 106130

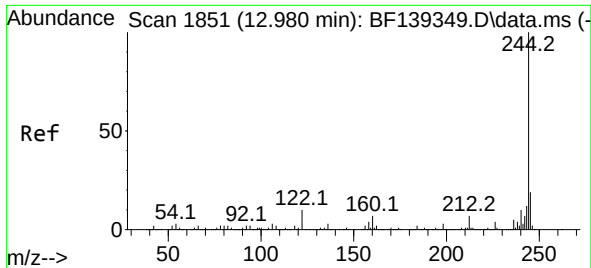
Ion Ratio Lower Upper

202 100

200 19.2 16.2 24.2

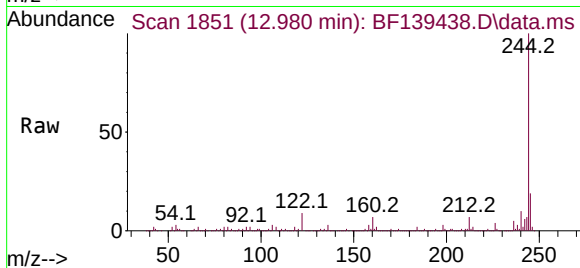
203 19.5 13.9 20.9



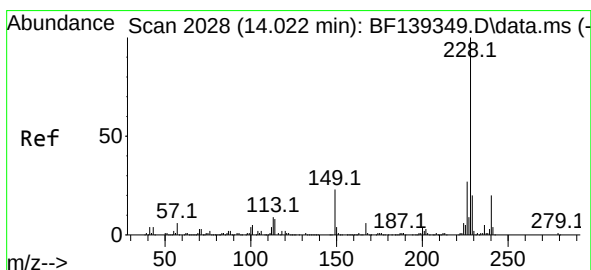
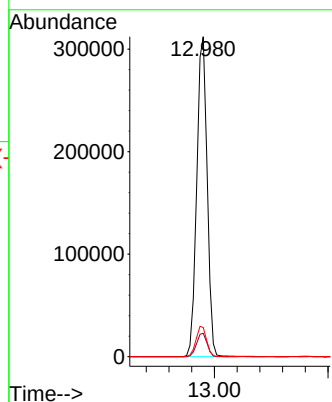
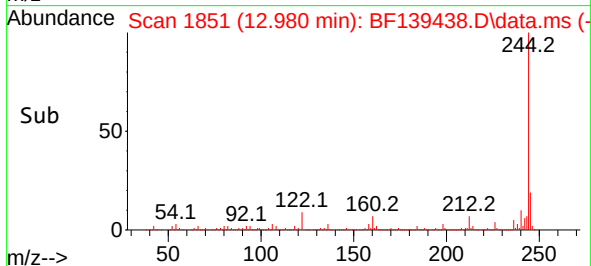


#79
 Terphenyl-d14
 Concen: 61.533 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF139438.D
 Acq: 18 Sep 2024 21:12

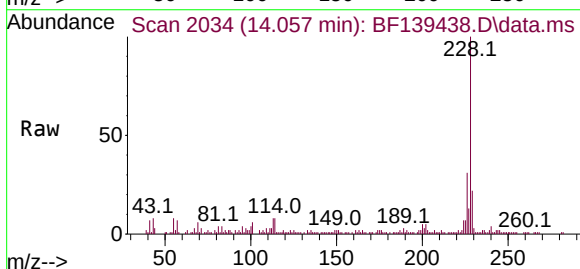
Instrument :
 BNA_F
 ClientSampleId :
 TP-5



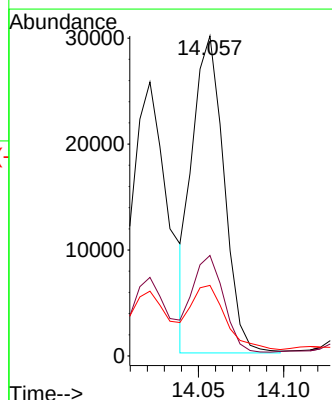
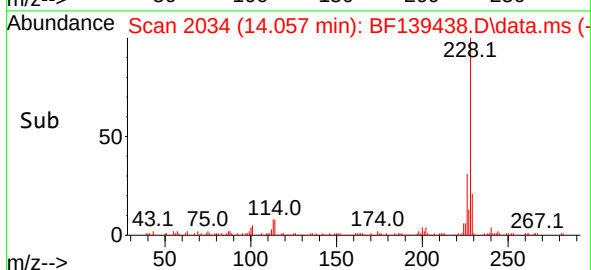
Tgt Ion:244 Resp: 399863
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 9.1 7.6 11.4

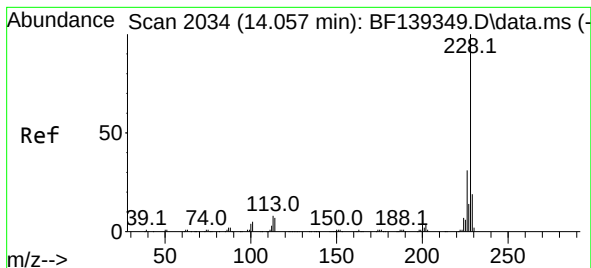


#81
 Benzo(a)anthracene
 Concen: 5.449 ng
 RT: 14.057 min Scan# 2034
 Delta R.T. 0.035 min
 Lab File: BF139438.D
 Acq: 18 Sep 2024 21:12



Tgt Ion:228 Resp: 38497
 Ion Ratio Lower Upper
 228 100
 226 31.4 21.6 32.4
 229 22.1 15.7 23.5





#83

Chrysene

Concen: 5.922 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139438.D

Acq: 18 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

TP-5

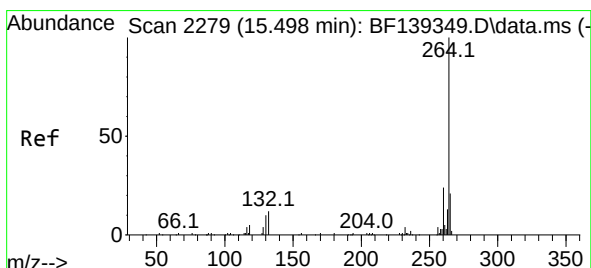
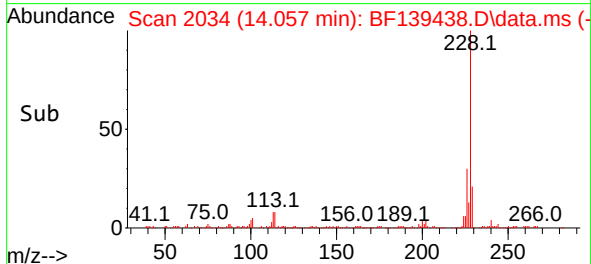
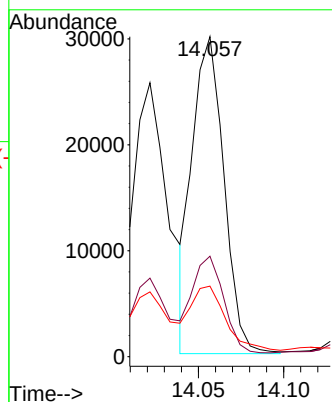
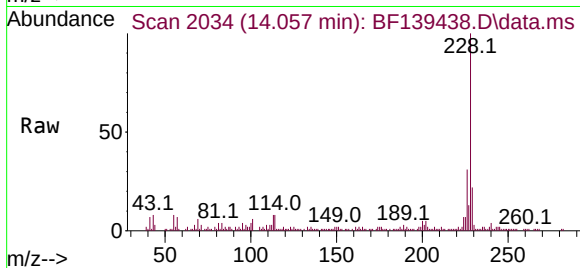
Tgt Ion:228 Resp: 38497

Ion Ratio Lower Upper

228 100

226 31.4 24.1 36.1

229 22.1 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2280

Delta R.T. 0.006 min

Lab File: BF139438.D

Acq: 18 Sep 2024 21:12

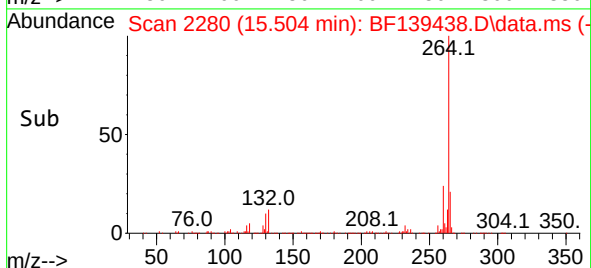
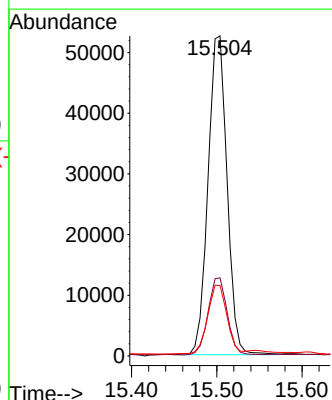
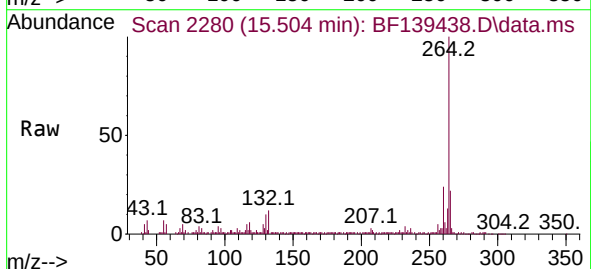
Tgt Ion:264 Resp: 81450

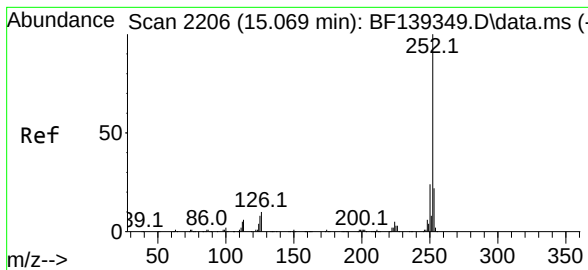
Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 22.0 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 6.476 ng

RT: 15.068 min Scan# 2206

Delta R.T. -0.000 min

Lab File: BF139438.D

Acq: 18 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

TP-5

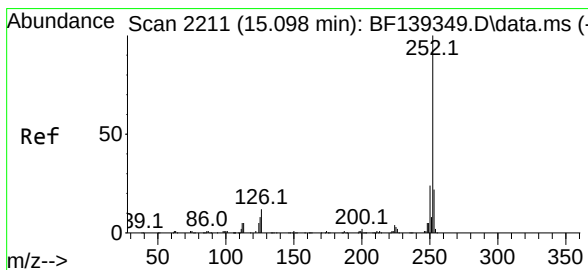
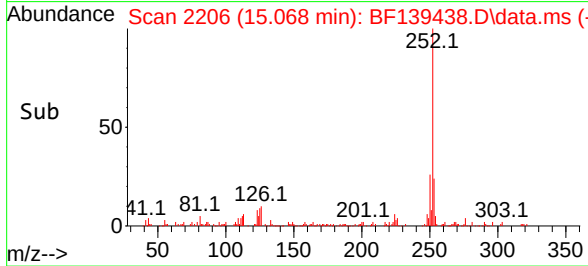
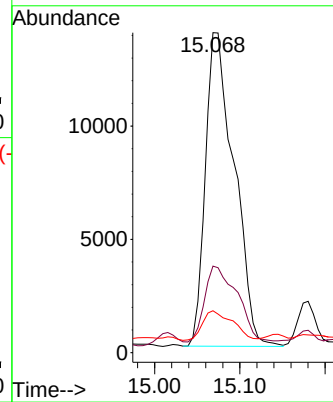
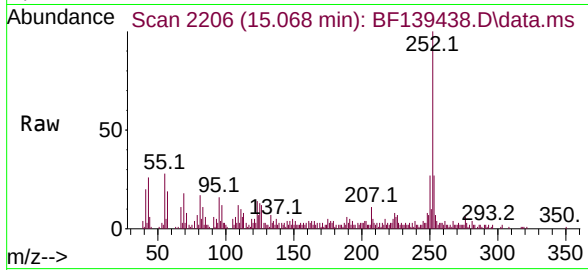
Tgt Ion:252 Resp: 32530

Ion Ratio Lower Upper

252 100

253 27.1 17.6 26.4#

125 13.1 6.2 9.2#



#89

Benzo(k)fluoranthene

Concen: 7.023 ng

RT: 15.068 min Scan# 2206

Delta R.T. -0.029 min

Lab File: BF139438.D

Acq: 18 Sep 2024 21:12

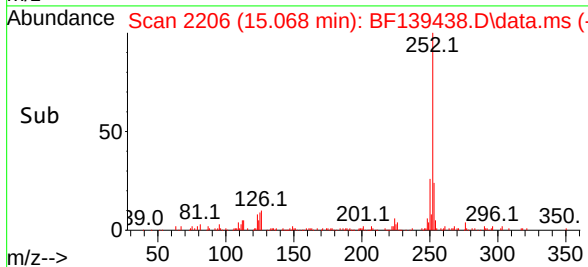
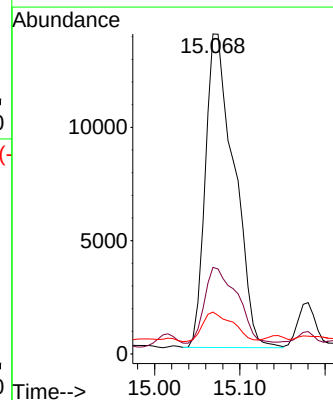
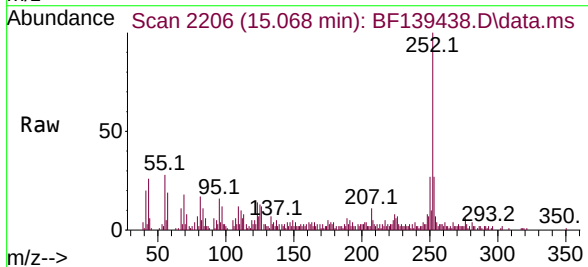
Tgt Ion:252 Resp: 32530

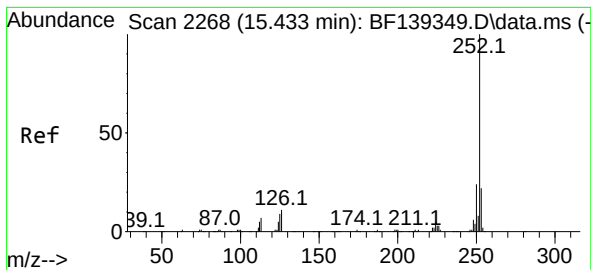
Ion Ratio Lower Upper

252 100

253 27.1 17.3 25.9#

125 13.1 5.9 8.9#





#90

Benzo(a)pyrene

Concen: 3.543 ng

RT: 15.433 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139438.D

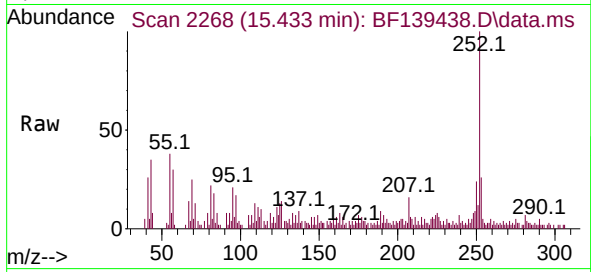
Acq: 18 Sep 2024 21:12

Instrument :

BNA_F

ClientSampleId :

TP-5



Tgt Ion:252 Resp: 14760

Ion Ratio Lower Upper

252 100

253 25.8 17.3 25.9

125 13.4 6.8 10.2#

