

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092424\
 Data File : BF139526.D
 Acq On : 24 Sep 2024 18:04
 Operator : RC/JU
 Sample : P4149-13 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-6

Quant Time: Sep 24 18:35:18 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)

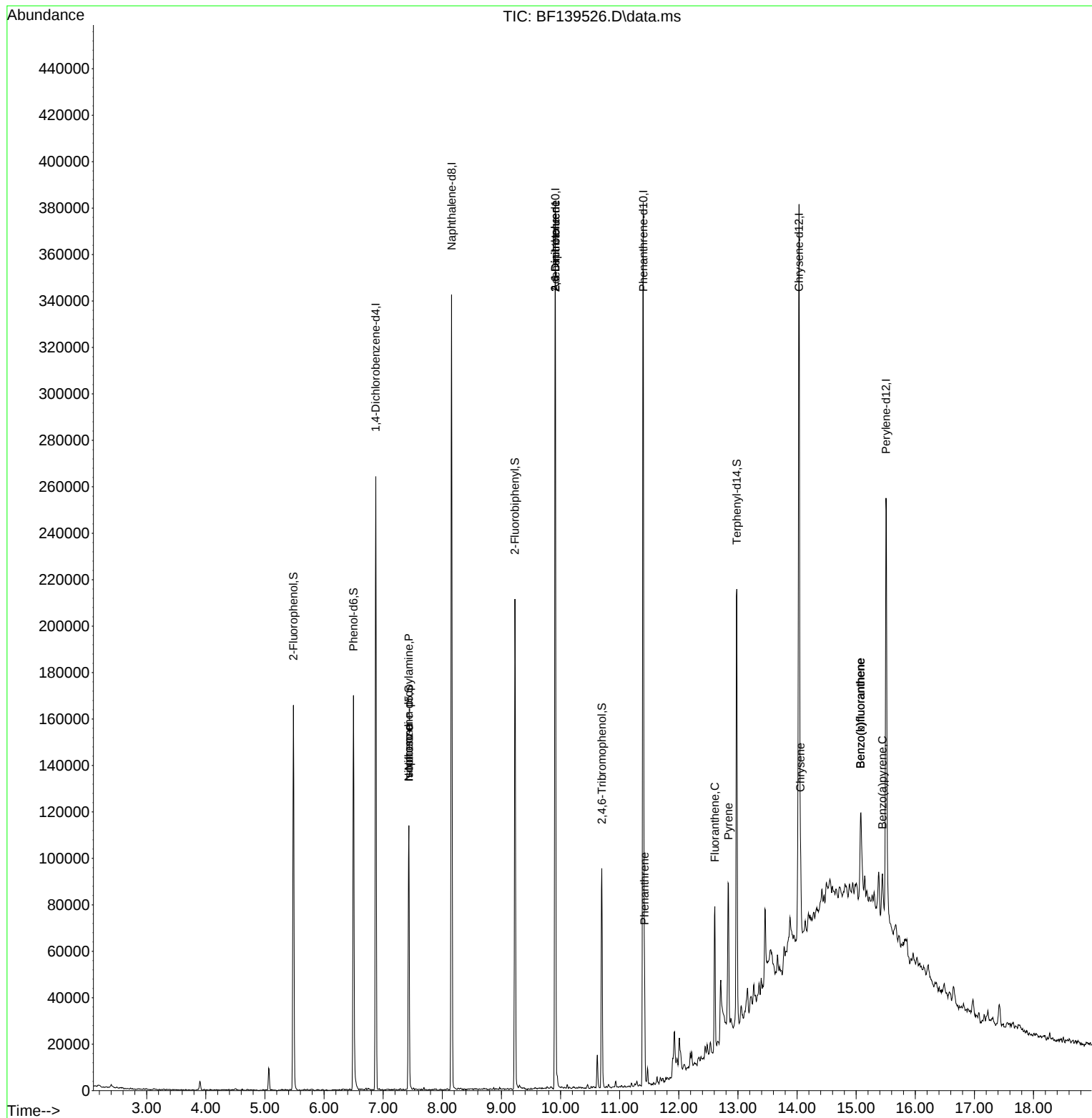
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	50232	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	195568	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	109373	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	201767	20.000	ng	0.00
76) Chrysene-d12	14.033	240	136326	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	105159	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	54382	17.661	ng	-0.01
7) Phenol-d6	6.498	99	71890	17.787	ng	0.00
23) Nitrobenzene-d5	7.434	82	44973	10.811	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	14109	12.117	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	89791	11.514	ng	0.00
79) Terphenyl-d14	12.980	244	89013	10.717	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	6193	2.586	ng	# 76
25) Isophorone	7.434	82	44972	6.836	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	13890	8.734	ng	# 15
57) 2,4-Dinitrotoluene	9.910	165	13890	6.469	ng	# 16
71) Phenanthrene	11.422	178	24973	2.565	ng	99
75) Fluoranthene	12.610	202	35492	3.414	ng	99
78) Pyrene	12.839	202	37635	3.215	ng	99
83) Chrysene	14.057	228	17931	2.158	ng	96
88) Benzo(b)fluoranthene	15.074	252	23963	3.695	ng	# 94
89) Benzo(k)fluoranthene	15.074	252	23963	4.007	ng	# 93
90) Benzo(a)pyrene	15.445	252	11614	2.159	ng	# 91

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

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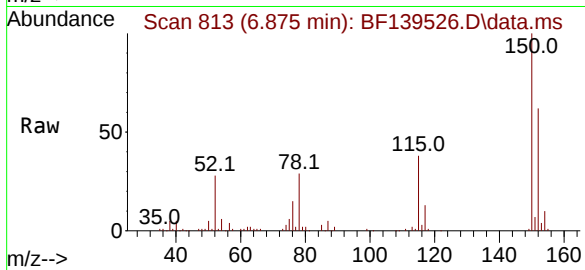
Quant Time: Sep 24 18:35:18 2024
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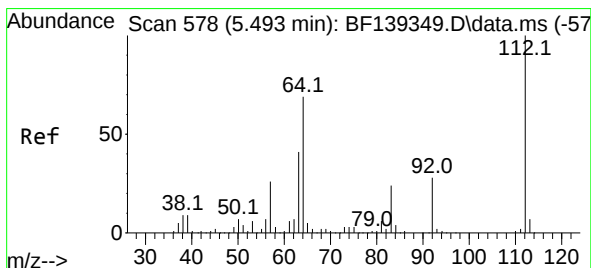
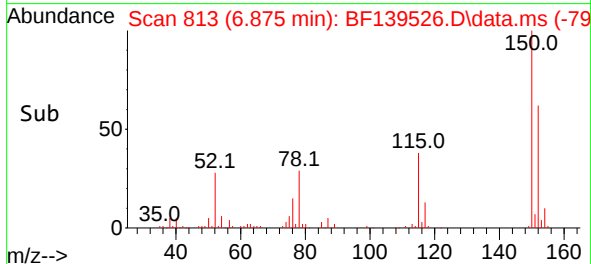
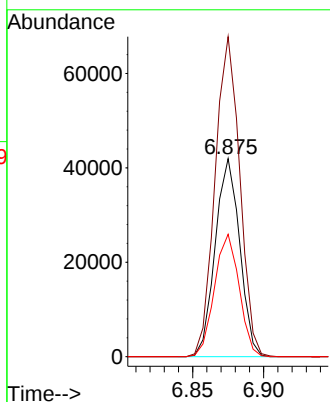


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04

Instrument :
BNA_F
ClientSampleId :
COMP-6

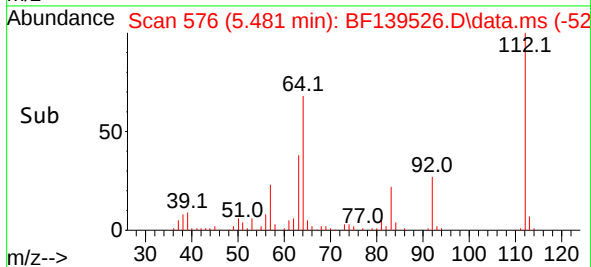
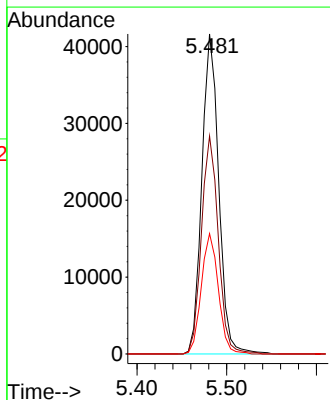
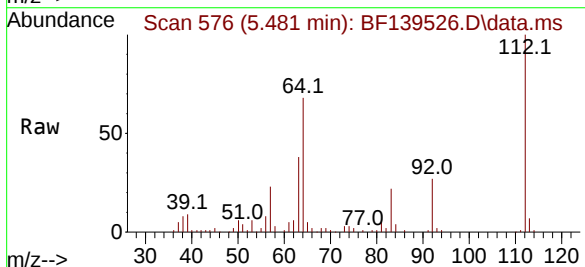


Tgt Ion:152 Resp: 50232
Ion Ratio Lower Upper
152 100
150 161.5 124.1 186.1
115 61.8 48.1 72.1



#5
2-Fluorophenol
Concen: 17.661 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04

Tgt Ion:112 Resp: 54382
Ion Ratio Lower Upper
112 100
64 68.1 54.8 82.2
63 37.6 33.0 49.4

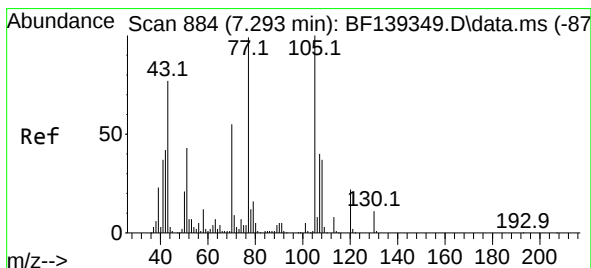
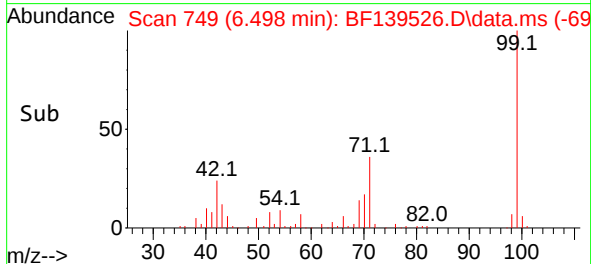
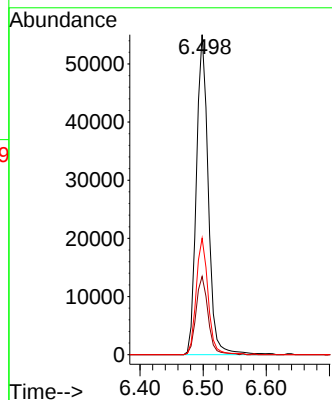
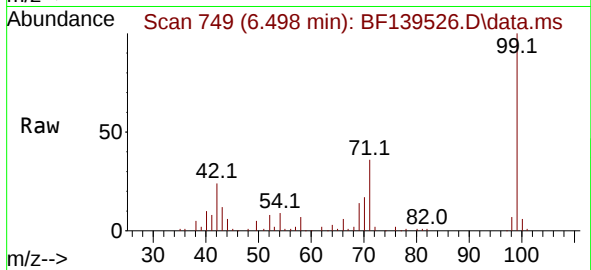




#7
Phenol-d6
Concen: 17.787 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04

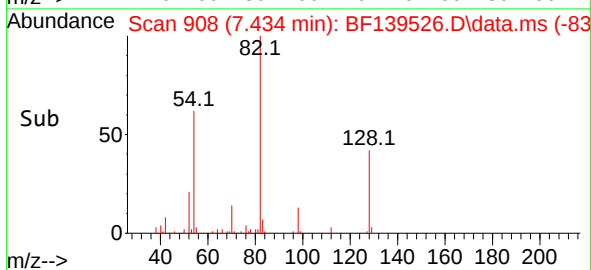
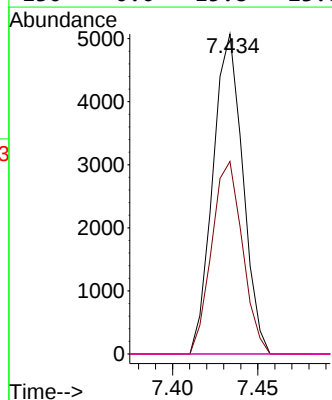
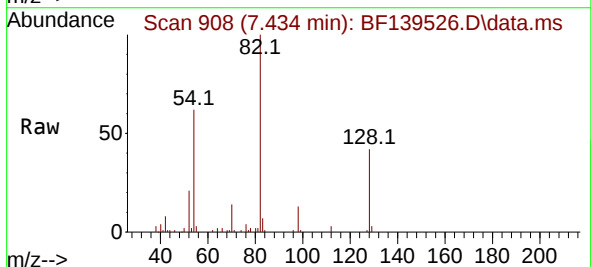
Instrument :
BNA_F
ClientSampleId :
COMP-6

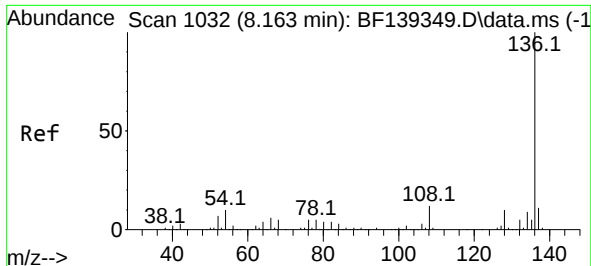
Tgt Ion: 99 Resp: 71890
Ion Ratio Lower Upper
99 100
42 24.5 21.9 32.9
71 36.4 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 2.586 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04

Tgt Ion: 70 Resp: 6193
Ion Ratio Lower Upper
70 100
42 60.1 61.2 91.8#
101 0.0 7.5 11.3#
130 0.0 15.8 23.8#

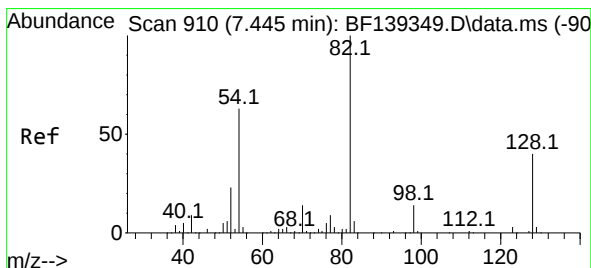
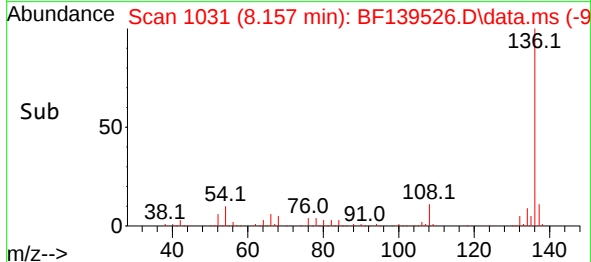
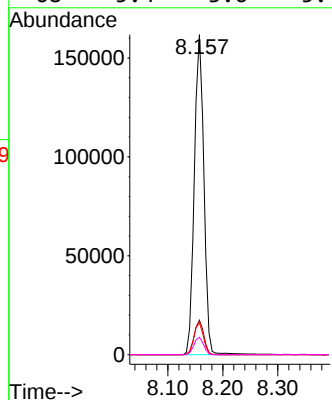
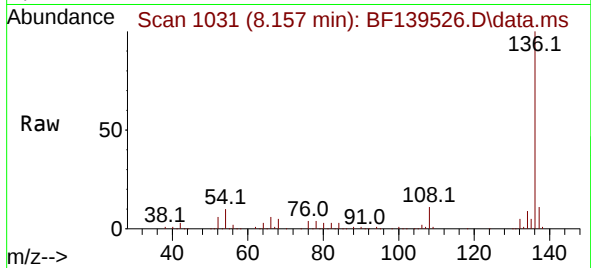




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04

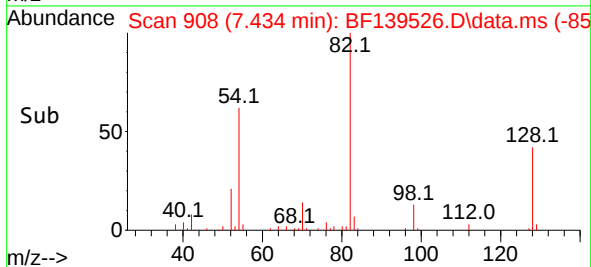
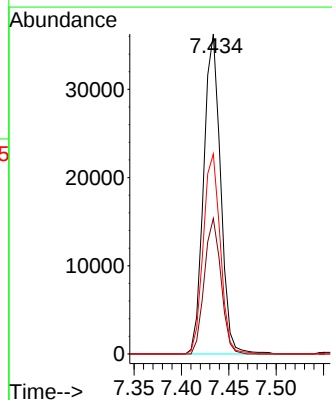
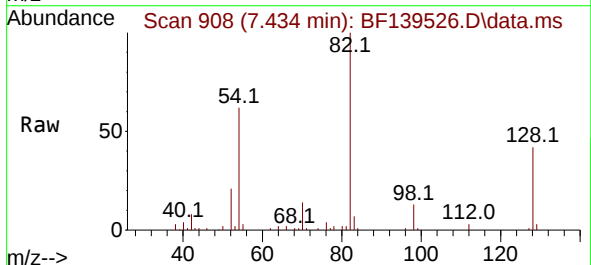
Instrument :
BNA_F
ClientSampleId :
COMP-6

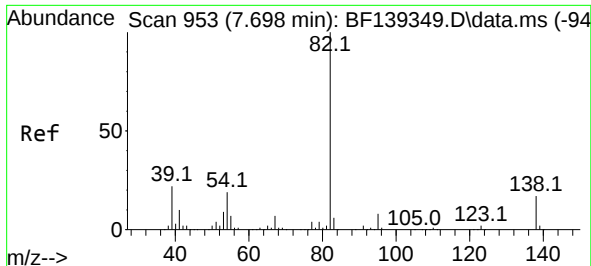
Tgt Ion:136	Resp: 195568
Ion Ratio	Lower Upper
136 100	
137 10.8	8.6 12.8
54 9.9	7.8 11.8
68 5.4	3.6 5.4#



#23
Nitrobenzene-d5
Concen: 10.811 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04

Tgt Ion: 82	Resp: 44973
Ion Ratio	Lower Upper
82 100	
128 42.3	31.8 47.6
54 62.5	50.6 75.8

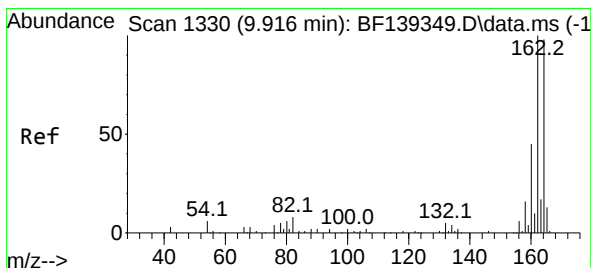
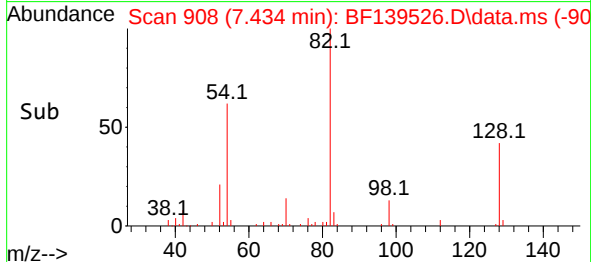
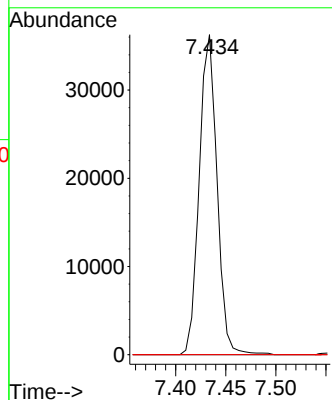
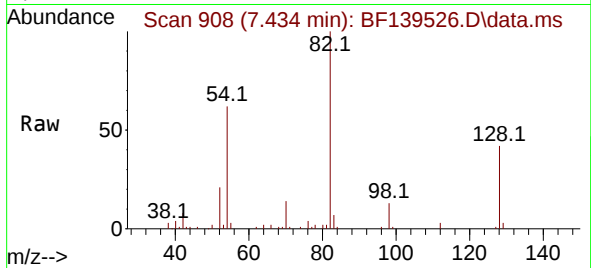




#25
Isophorone
Concen: 6.836 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04

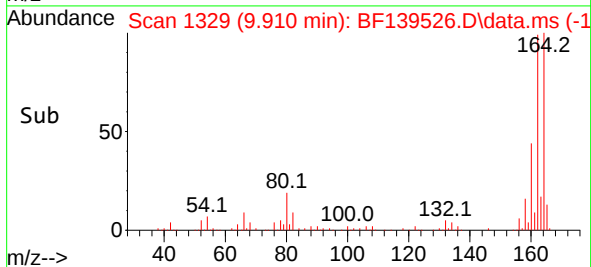
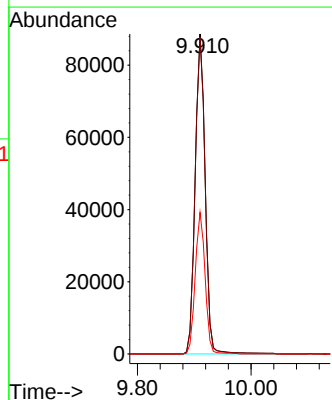
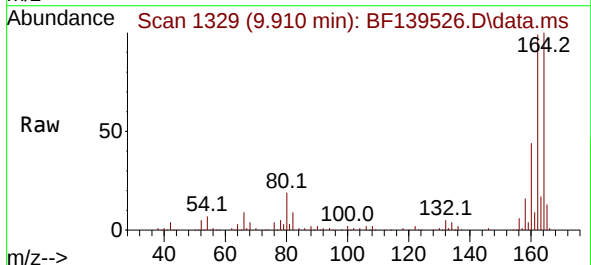
Instrument :
BNA_F
ClientSampleId :
COMP-6

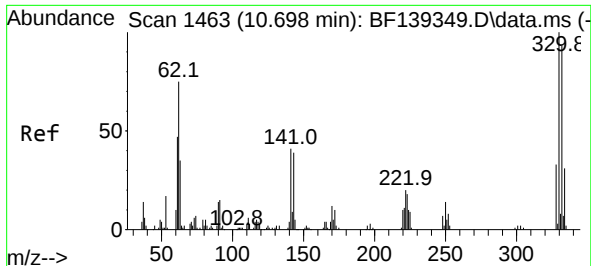
Tgt Ion: 82 Resp: 44972
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04

Tgt Ion: 164 Resp: 109373
Ion Ratio Lower Upper
164 100
162 99.0 81.3 121.9
160 44.3 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 12.117 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.000 min

Lab File: BF139526.D

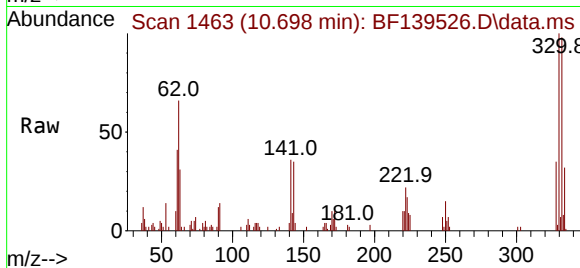
Acq: 24 Sep 2024 18:04

Instrument :

BNA_F

ClientSampleId :

COMP-6



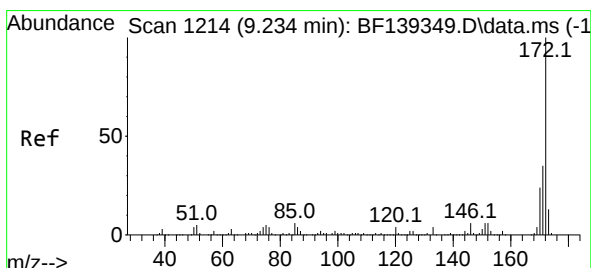
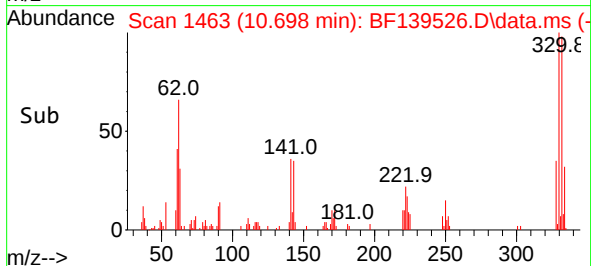
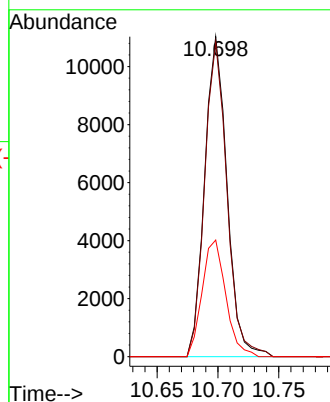
Tgt Ion:330 Resp: 14109

Ion Ratio Lower Upper

330 100

332 97.8 75.2 112.8

141 38.5 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 11.514 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF139526.D

Acq: 24 Sep 2024 18:04

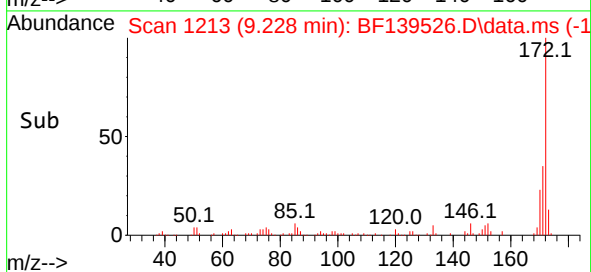
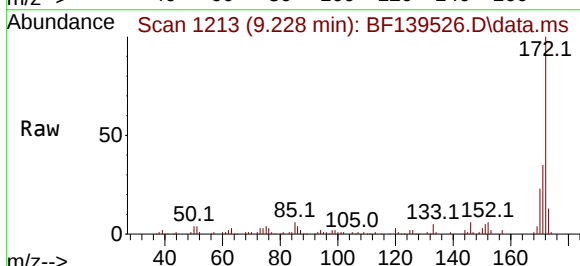
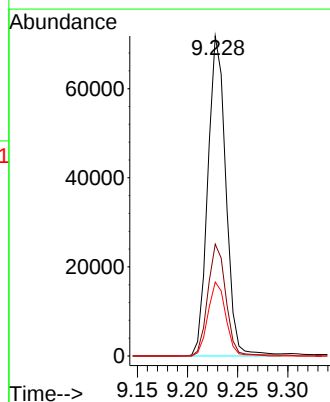
Tgt Ion:172 Resp: 89791

Ion Ratio Lower Upper

172 100

171 35.0 28.3 42.5

170 23.1 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.734 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF139526.D

Acq: 24 Sep 2024 18:04

Instrument :

BNA_F

ClientSampleId :

COMP-6

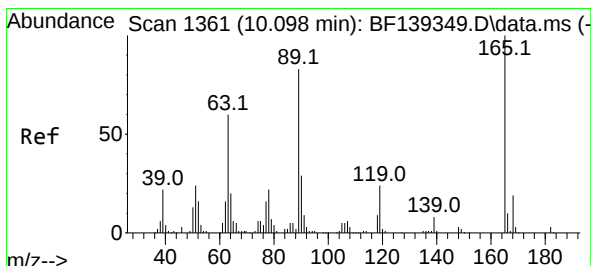
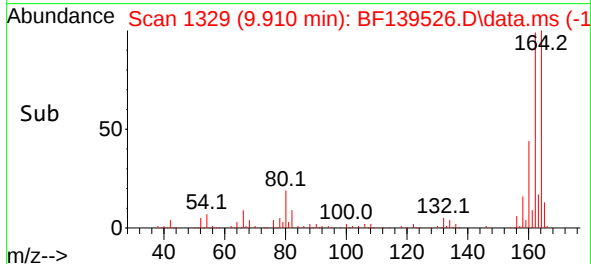
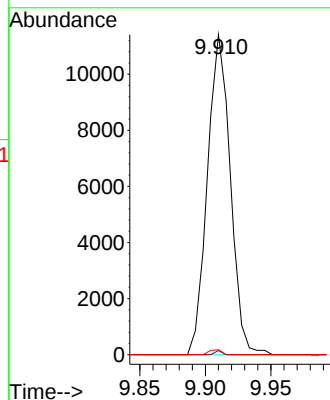
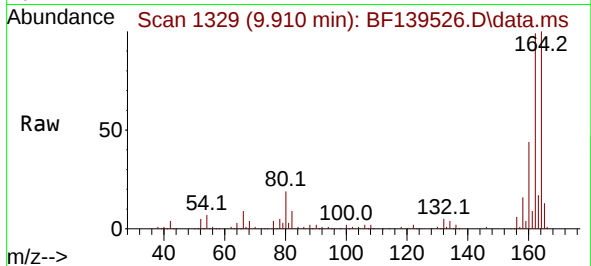
Tgt Ion:165 Resp: 13890

Ion Ratio Lower Upper

165 100

63 1.3 60.9 91.3#

89 1.5 54.7 82.1#



#57

2,4-Dinitrotoluene

Concen: 6.469 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.188 min

Lab File: BF139526.D

Acq: 24 Sep 2024 18:04

Tgt Ion:165 Resp: 13890

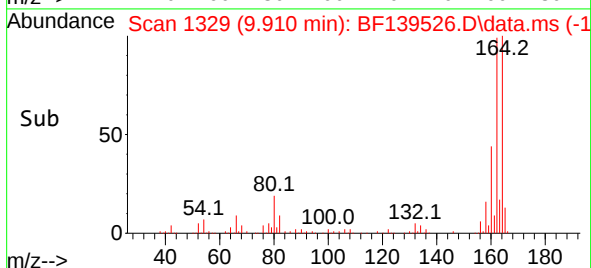
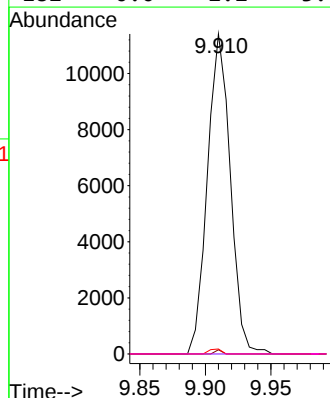
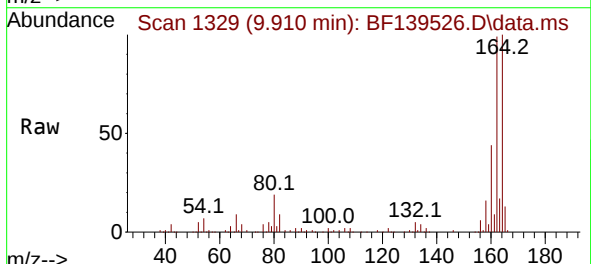
Ion Ratio Lower Upper

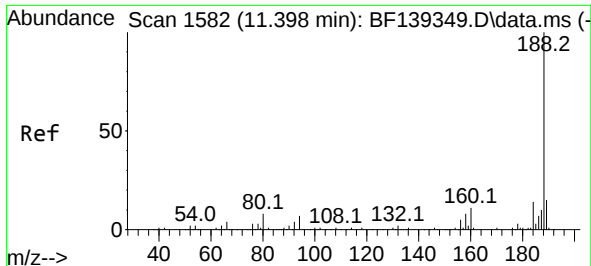
165 100

63 1.3 47.8 71.6#

89 1.5 66.7 100.1#

182 0.0 2.2 3.4#

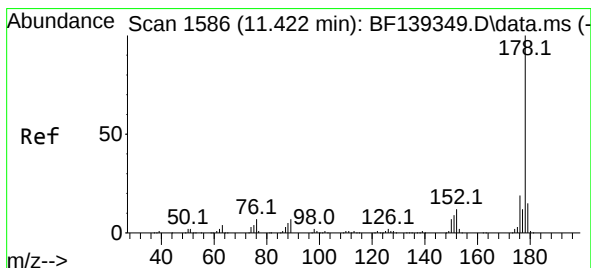
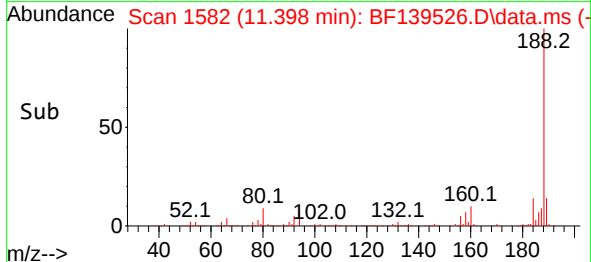
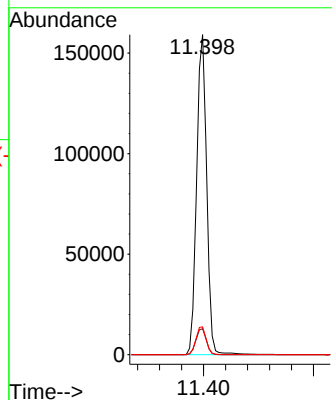
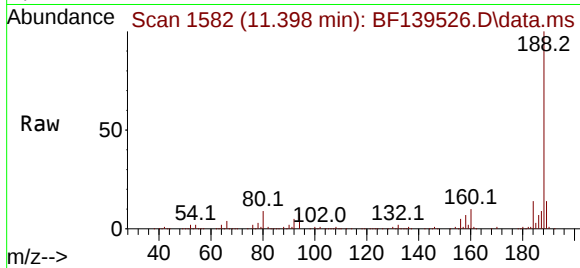




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04

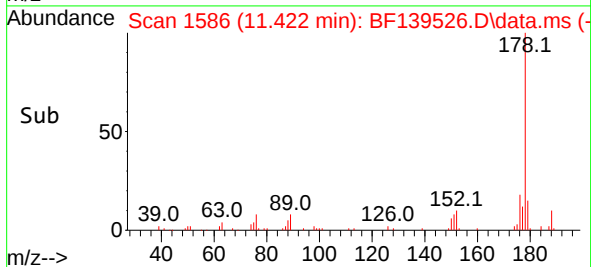
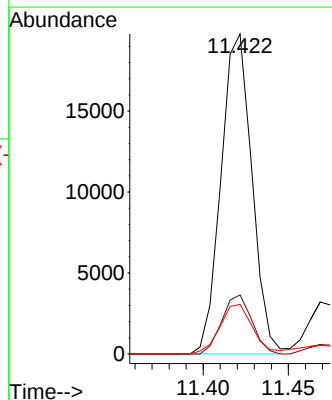
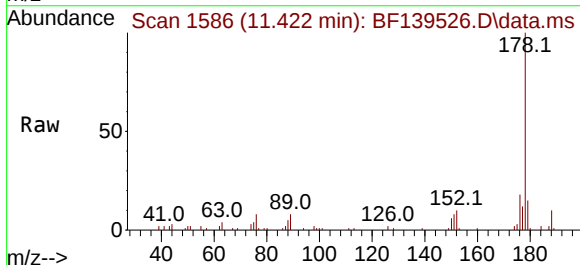
Instrument :
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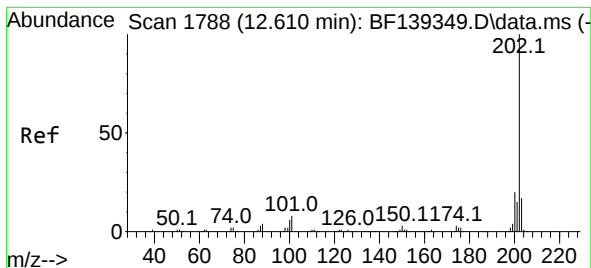
Tgt Ion:188 Resp: 201767
Ion Ratio Lower Upper
188 100
94 8.1 5.5 8.3
80 8.7 6.6 9.8



#71
Phenanthrene
Concen: 2.565 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04

Tgt Ion:178 Resp: 24973
Ion Ratio Lower Upper
178 100
176 18.5 15.2 22.8
179 15.5 12.2 18.4





#75

Fluoranthene

Concen: 3.414 ng

RT: 12.610 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139526.D

Acq: 24 Sep 2024 18:04

Instrument :

BNA_F

ClientSampleId :

COMP-6

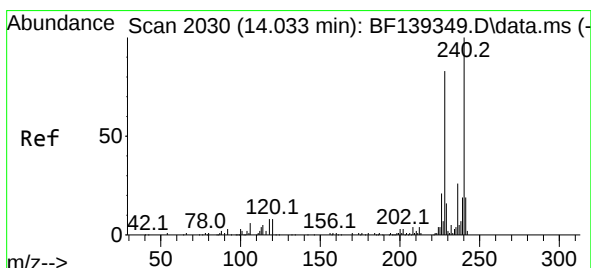
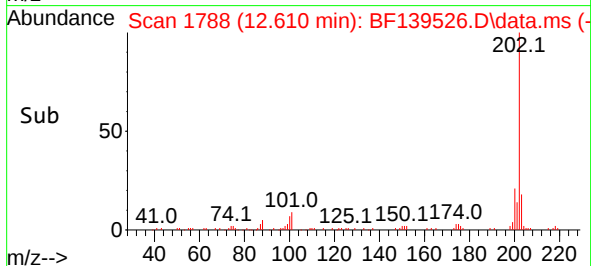
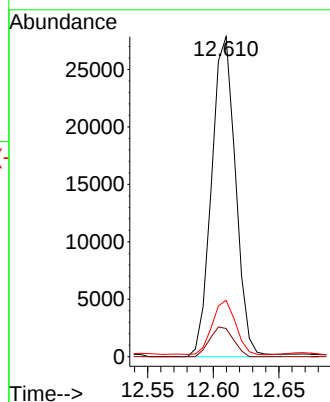
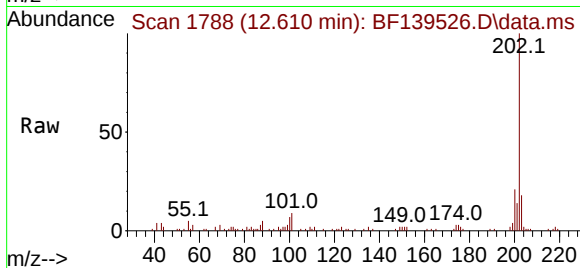
Tgt Ion:202 Resp: 35492

Ion Ratio Lower Upper

202 100

101 8.8 0.0 27.7

203 17.6 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: BF139526.D

Acq: 24 Sep 2024 18:04

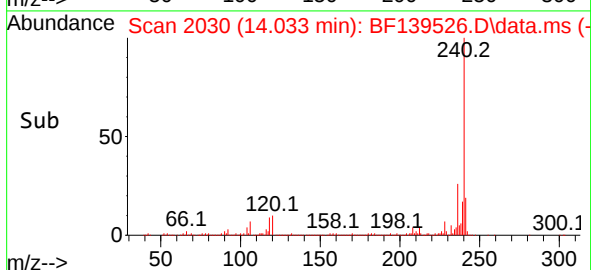
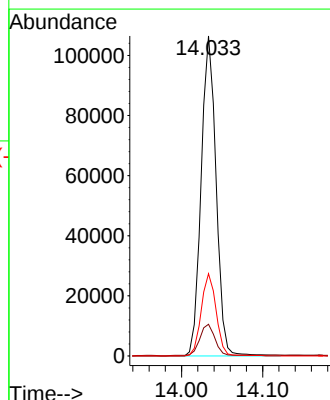
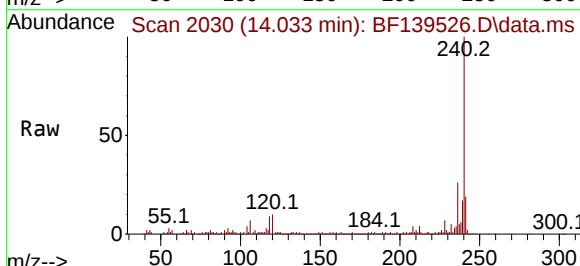
Tgt Ion:240 Resp: 136326

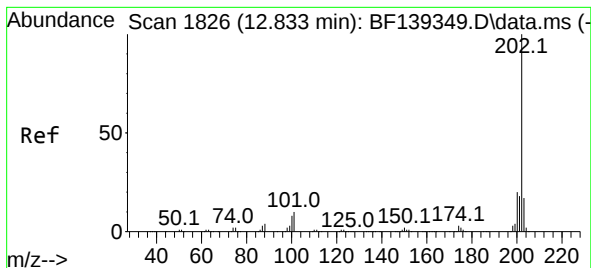
Ion Ratio Lower Upper

240 100

120 9.9 6.2 9.2#

236 25.7 20.9 31.3





#78

Pyrene

Concen: 3.215 ng

RT: 12.839 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF139526.D

Acq: 24 Sep 2024 18:04

Instrument :

BNA_F

ClientSampleId :

COMP-6

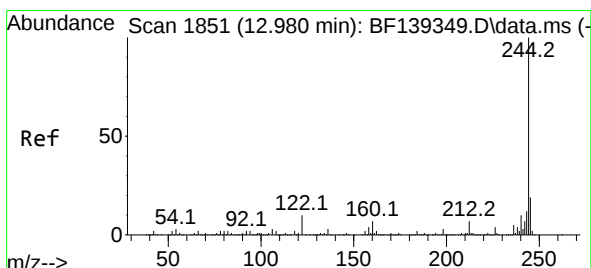
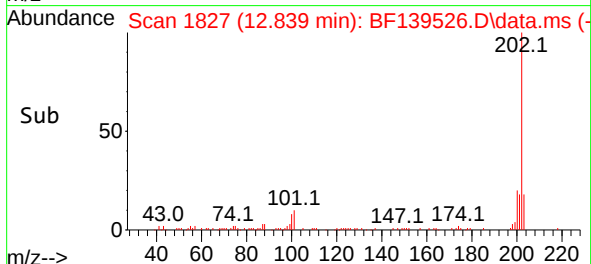
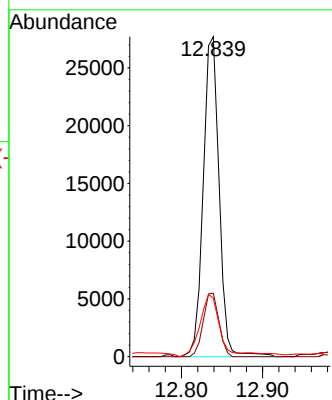
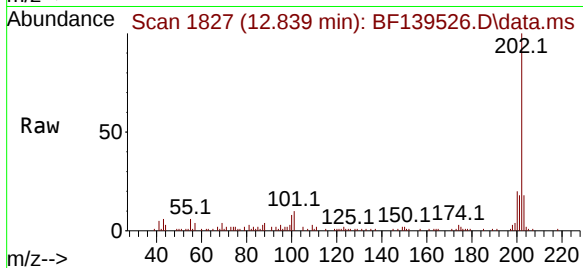
Tgt Ion:202 Resp: 37635

Ion Ratio Lower Upper

202 100

200 19.9 16.2 24.2

203 18.3 13.9 20.9



#79

Terphenyl-d14

Concen: 10.717 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139526.D

Acq: 24 Sep 2024 18:04

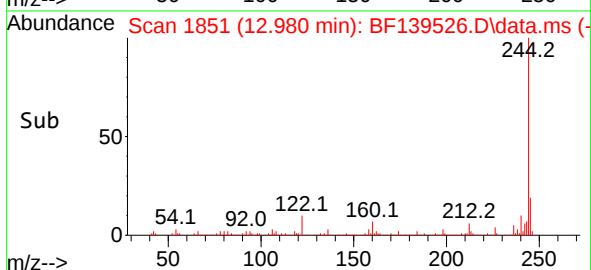
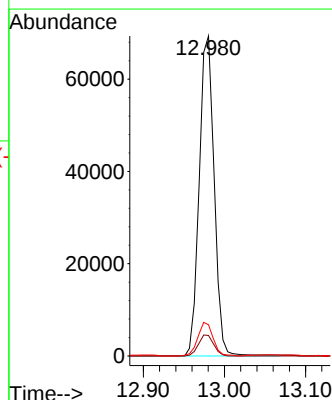
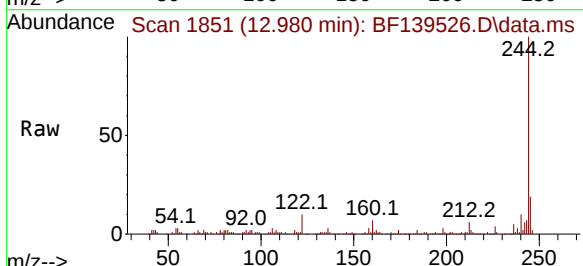
Tgt Ion:244 Resp: 89013

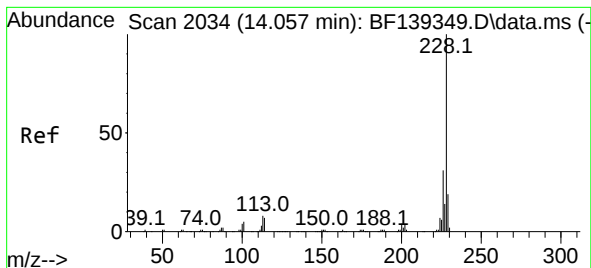
Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

122 9.8 7.6 11.4





#83

Chrysene

Concen: 2.158 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139526.D

Acq: 24 Sep 2024 18:04

Instrument :

BNA_F

ClientSampleId :

COMP-6

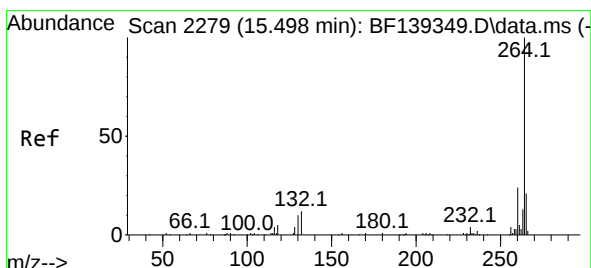
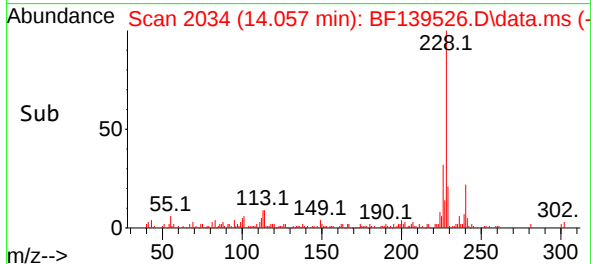
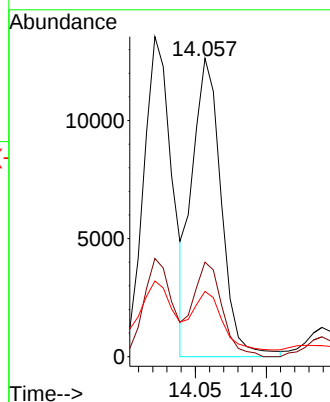
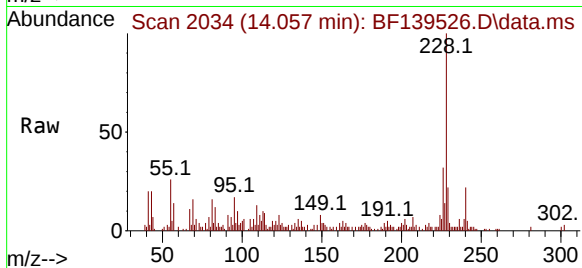
Tgt Ion:228 Resp: 17931

Ion Ratio Lower Upper

228 100

226 31.7 24.1 36.1

229 21.9 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: BF139526.D

Acq: 24 Sep 2024 18:04

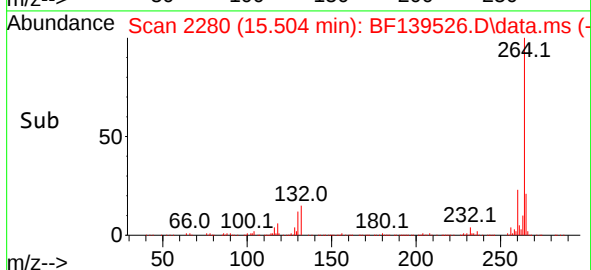
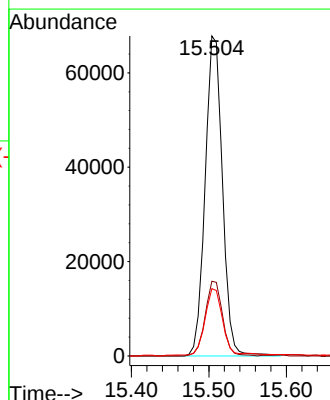
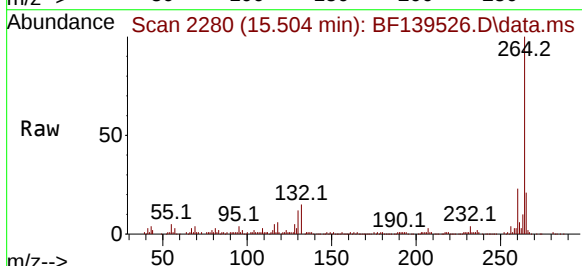
Tgt Ion:264 Resp: 105159

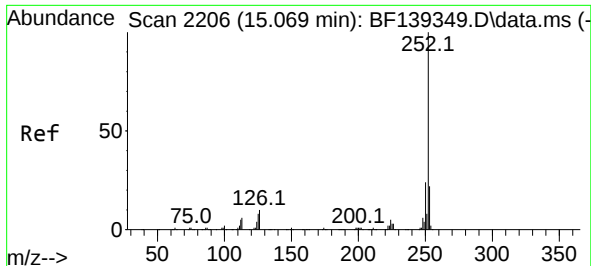
Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

265 21.1 16.6 25.0

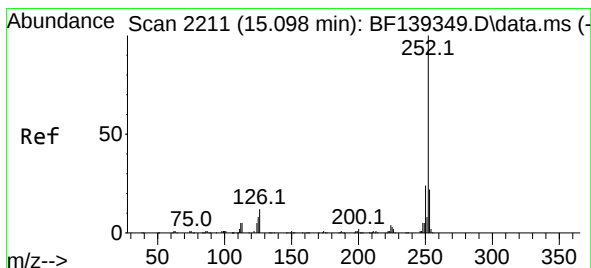
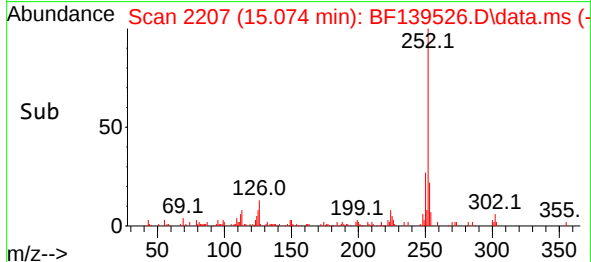
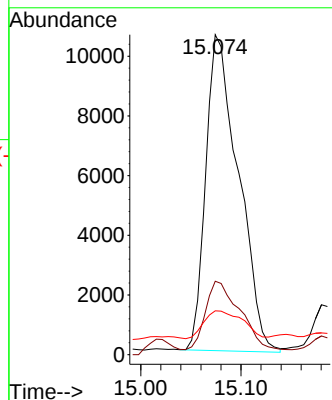
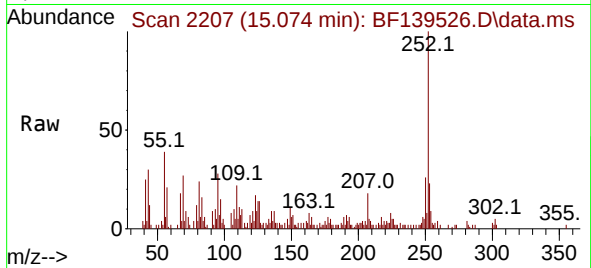




#88
Benzo(b)fluoranthene
Concen: 3.695 ng
RT: 15.074 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04

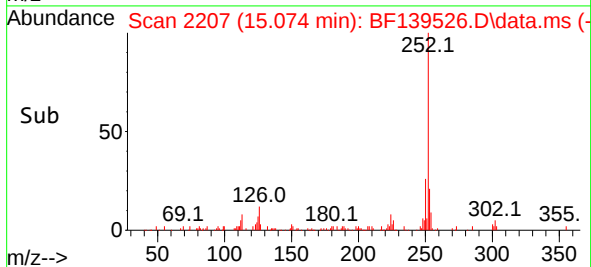
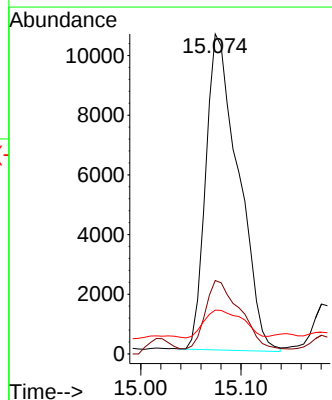
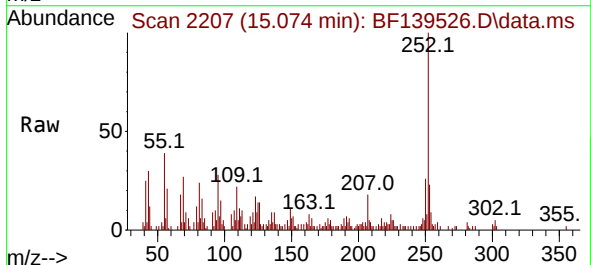
Instrument :
BNA_F
ClientSampleId :
COMP-6

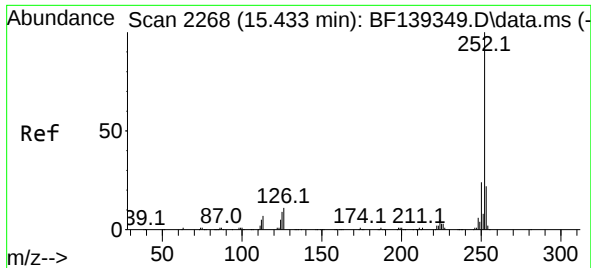
Tgt Ion:252 Resp: 23963
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 13.7 6.2 9.2#



#89
Benzo(k)fluoranthene
Concen: 4.007 ng
RT: 15.074 min Scan# 2207
Delta R.T. -0.024 min
Lab File: BF139526.D
Acq: 24 Sep 2024 18:04

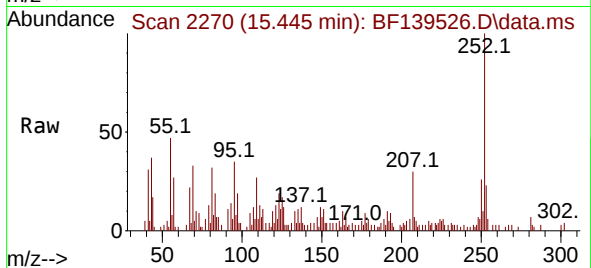
Tgt Ion:252 Resp: 23963
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 13.7 5.9 8.9#





#90
 Benzo(a)pyrene
 Concen: 2.159 ng
 RT: 15.445 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF139526.D
 Acq: 24 Sep 2024 18:04

Instrument :
 BNA_F
 ClientSampleId :
 COMP-6



Tgt Ion:252 Resp: 11614
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.3 25.9
 125 17.2 6.8 10.2#

