

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092424\
 Data File : BF139527.D
 Acq On : 24 Sep 2024 18:32
 Operator : RC/JU
 Sample : P4150-01 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-09132024

Quant Time: Sep 25 00:58:35 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)

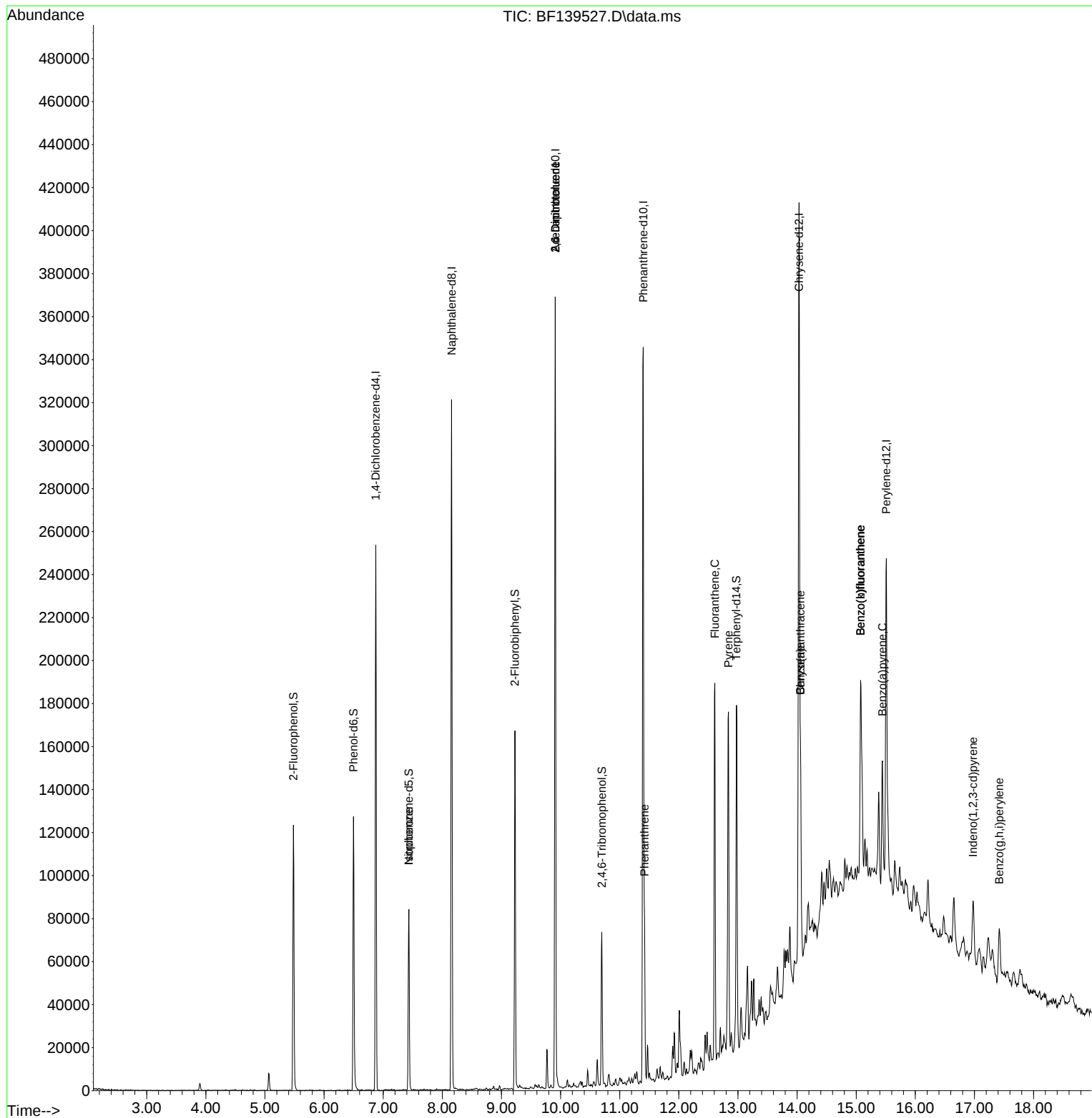
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	49026	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	184573	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	105643	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	185557	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	129806	20.000	ng	# 0.00
86) Perylene-d12	15.510	264	88314	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	41112	13.680	ng	-0.01
7) Phenol-d6	6.498	99	55053	13.957	ng	0.00
23) Nitrobenzene-d5	7.434	82	33913	8.638	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	9927	8.826	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	71246	9.459	ng	0.00
79) Terphenyl-d14	12.974	244	73453	9.288	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.434	82	33912	5.462	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	13148	8.560	ng	# 13
57) 2,4-Dinitrotoluene	9.910	165	13148	6.340	ng	# 15
71) Phenanthrene	11.422	178	37627	4.203	ng	99
75) Fluoranthene	12.610	202	101935	10.662	ng	99
78) Pyrene	12.839	202	91609	8.219	ng	99
81) Benzo(a)anthracene	14.057	228	51482	5.987	ng	93
83) Chrysene	14.057	228	51482	6.508	ng	96
87) Indeno(1,2,3-cd)pyrene	16.974	276	18770	3.574	ng	97
88) Benzo(b)fluoranthene	15.074	252	75624	13.885	ng	# 96
89) Benzo(k)fluoranthene	15.074	252	75624	15.059	ng	# 95
90) Benzo(a)pyrene	15.445	252	33818	7.487	ng	# 95
92) Benzo(g,h,i)perylene	17.421	276	19065	4.437	ng	92

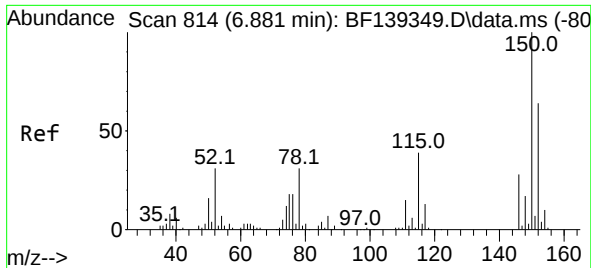
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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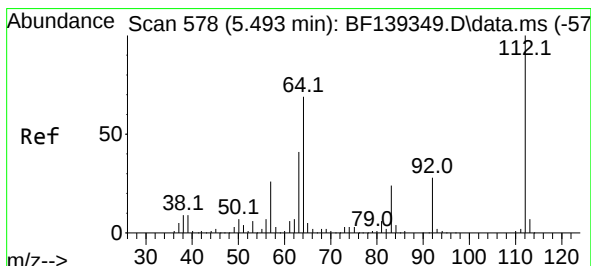
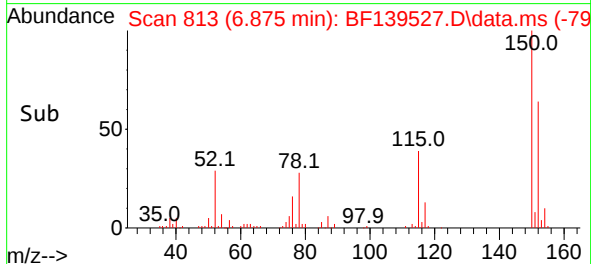
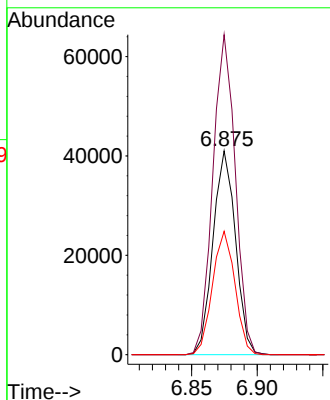
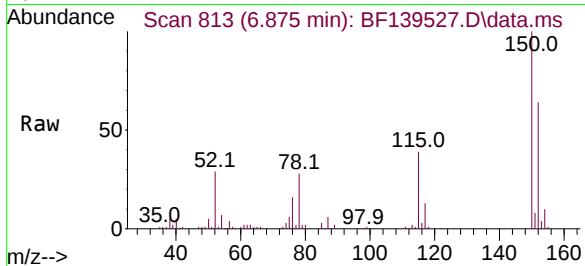




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139527.D
Acq: 24 Sep 2024 18:32

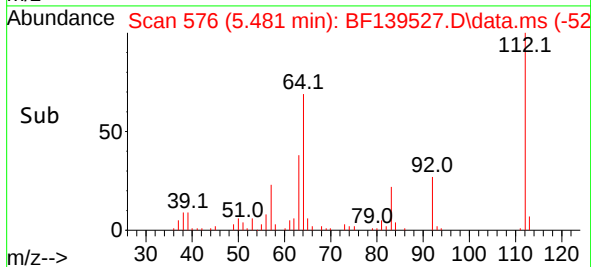
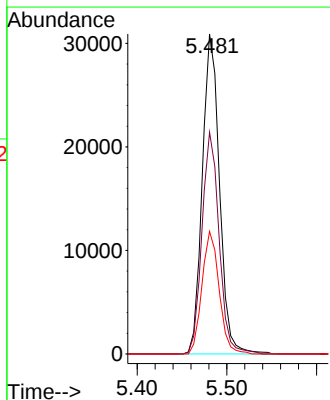
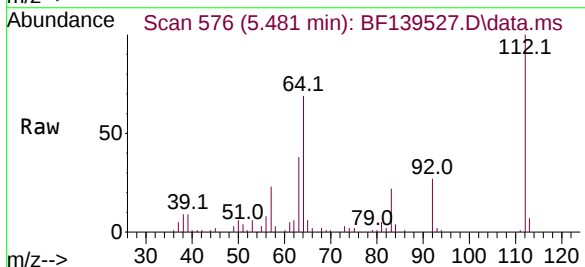
Instrument :
BNA_F
ClientSampleId :
OK-02-09132024

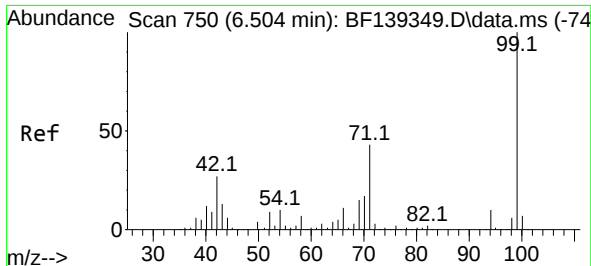
Tgt Ion:152 Resp: 49026
Ion Ratio Lower Upper
152 100
150 157.0 124.1 186.1
115 60.6 48.1 72.1



#5
2-Fluorophenol
Concen: 13.680 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF139527.D
Acq: 24 Sep 2024 18:32

Tgt Ion:112 Resp: 41112
Ion Ratio Lower Upper
112 100
64 69.3 54.8 82.2
63 38.3 33.0 49.4

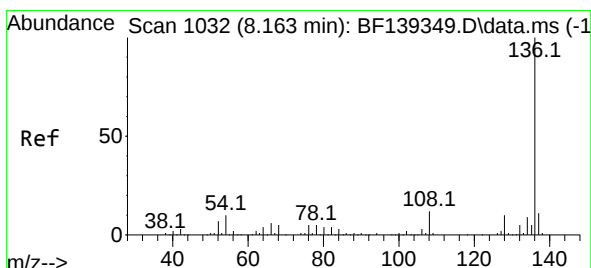
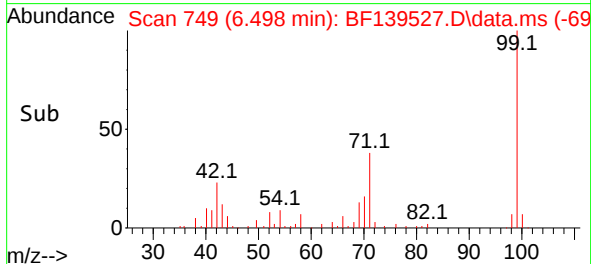
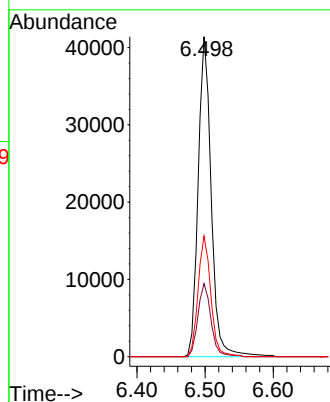
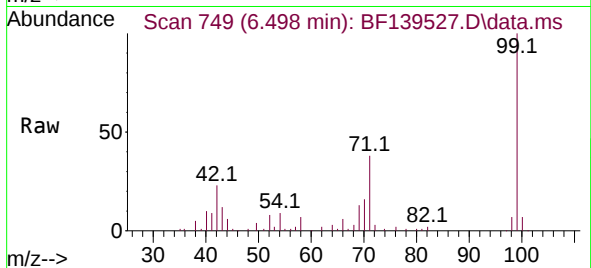




#7
Phenol-d6
Concen: 13.957 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139527.D
Acq: 24 Sep 2024 18:32

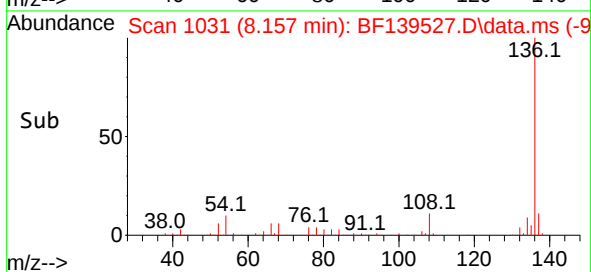
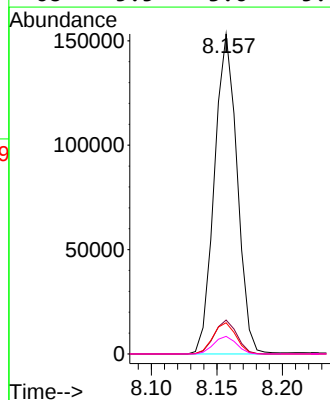
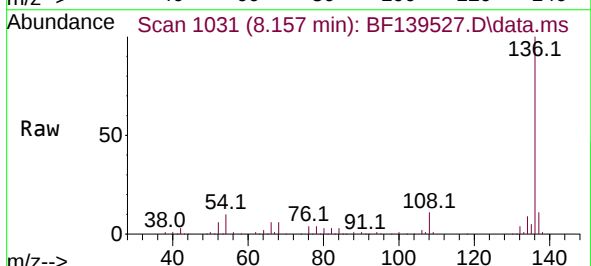
Instrument :
BNA_F
ClientSampleId :
OK-02-09132024

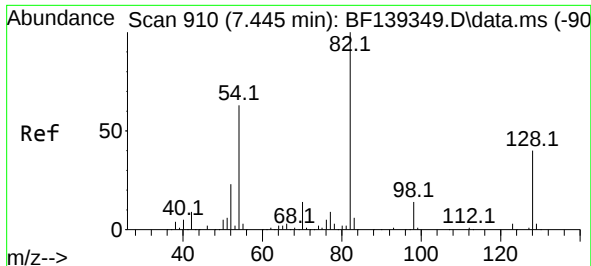
Tgt Ion: 99 Resp: 55053
Ion Ratio Lower Upper
99 100
42 22.9 21.9 32.9
71 37.7 34.6 52.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139527.D
Acq: 24 Sep 2024 18:32

Tgt Ion: 136 Resp: 184573
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 9.8 7.8 11.8
68 5.5 3.6 5.4





#23

Nitrobenzene-d5

Concen: 8.638 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF139527.D

Acq: 24 Sep 2024 18:32

Instrument :

BNA_F

ClientSampleId :

OK-02-09132024

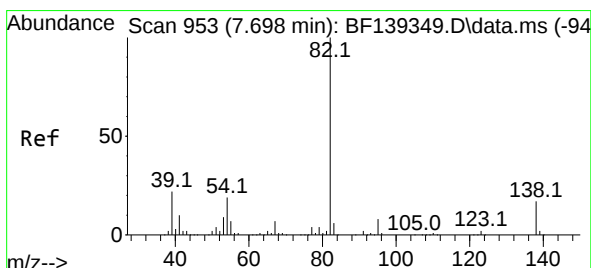
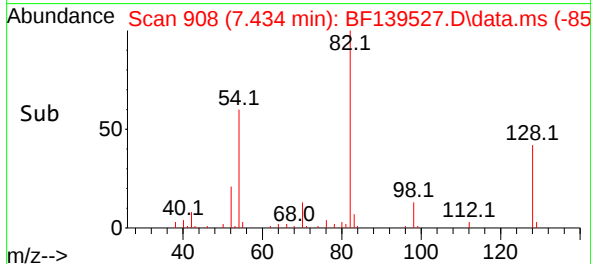
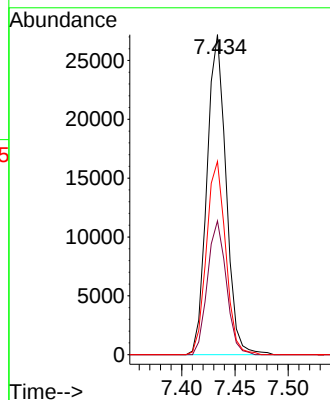
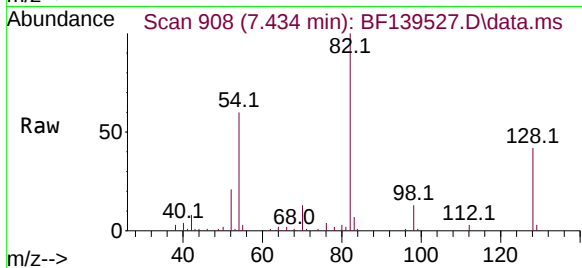
Tgt Ion: 82 Resp: 33913

Ion Ratio Lower Upper

82 100

128 41.8 31.8 47.6

54 60.4 50.6 75.8



#25

Isophorone

Concen: 5.462 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.265 min

Lab File: BF139527.D

Acq: 24 Sep 2024 18:32

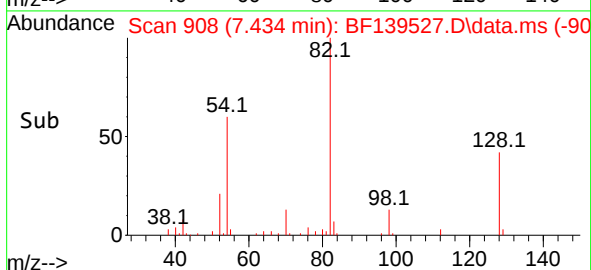
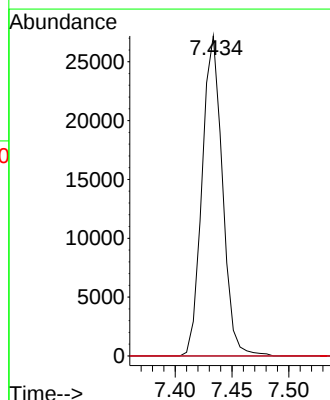
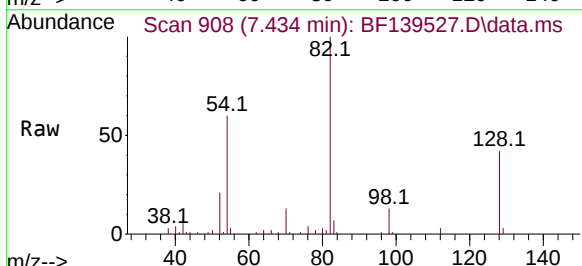
Tgt Ion: 82 Resp: 33912

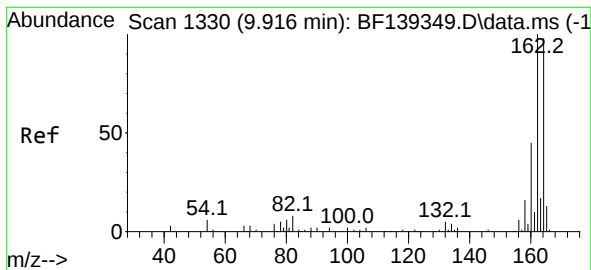
Ion Ratio Lower Upper

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# 1

Delta R.T. -0.006 min

Lab File: BF139527.D

Acq: 24 Sep 2024 18:32

Instrument :

BNA_F

ClientSampleId :

OK-02-09132024

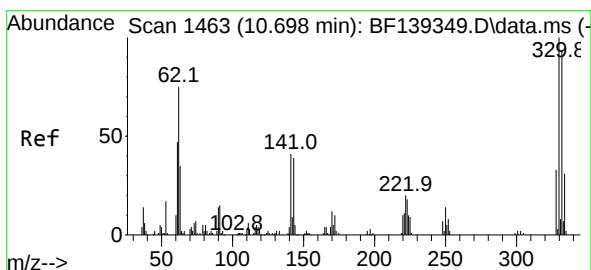
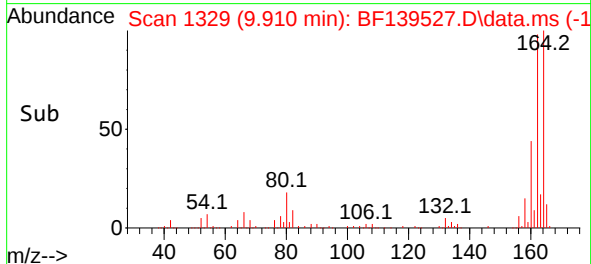
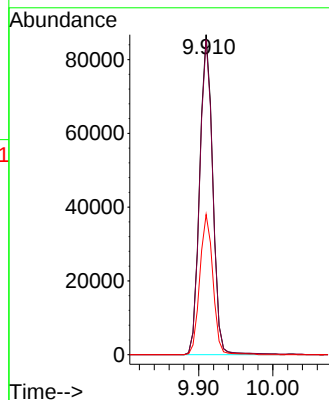
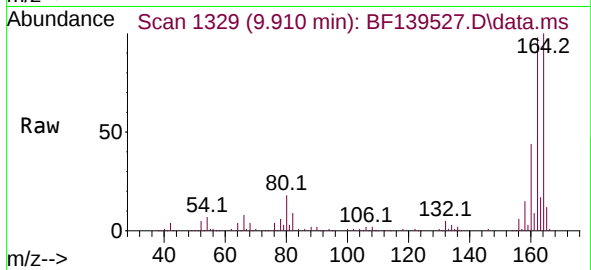
Tgt Ion:164 Resp: 105643

Ion Ratio Lower Upper

164 100

162 98.5 81.3 121.9

160 43.8 36.4 54.6



#42

2,4,6-Tribromophenol

Concen: 8.826 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.000 min

Lab File: BF139527.D

Acq: 24 Sep 2024 18:32

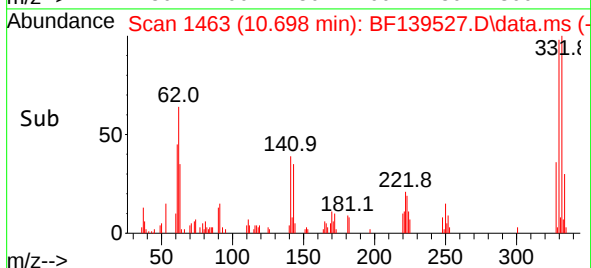
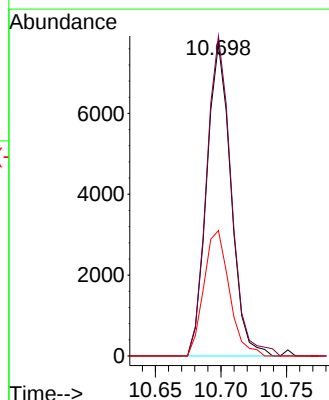
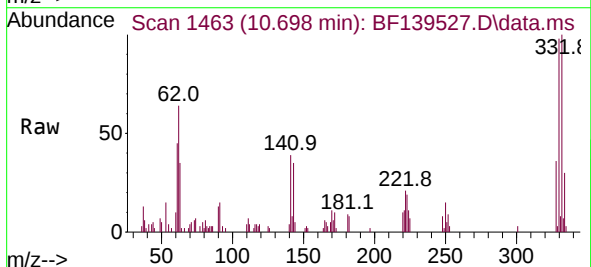
Tgt Ion:330 Resp: 9927

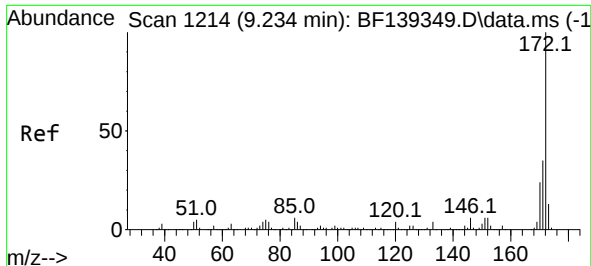
Ion Ratio Lower Upper

330 100

332 104.1 75.2 112.8

141 42.2 31.2 46.8





#45

2-Fluorobiphenyl

Concen: 9.459 ng

RT: 9.228 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139527.D

Acq: 24 Sep 2024 18:32

Instrument :

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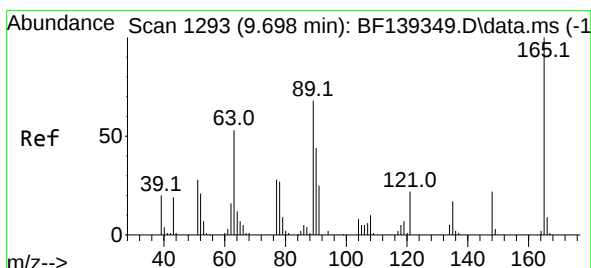
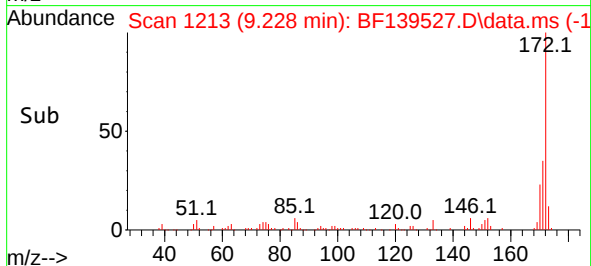
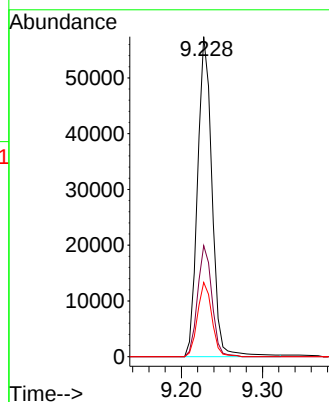
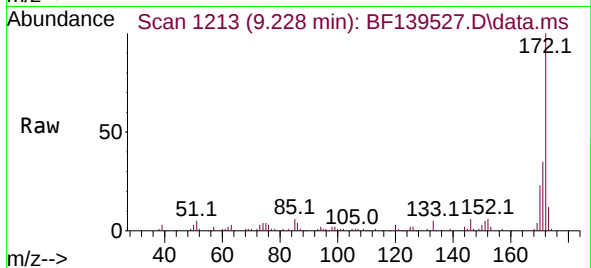
Tgt Ion:172 Resp: 71246

Ion Ratio Lower Upper

172 100

171 34.7 28.3 42.5

170 23.2 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 8.560 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF139527.D

Acq: 24 Sep 2024 18:32

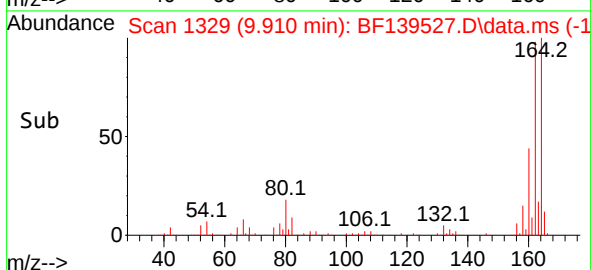
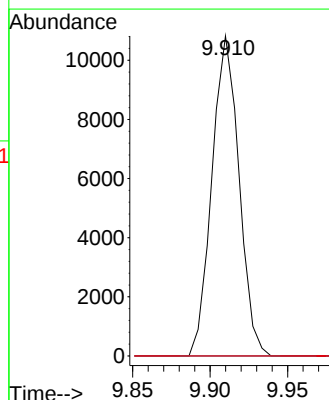
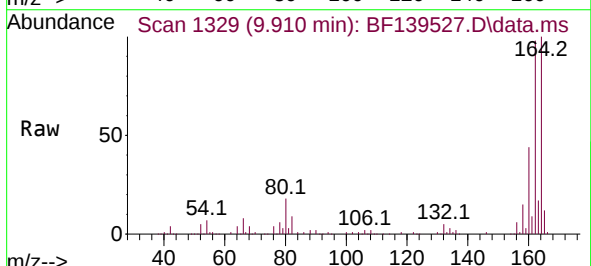
Tgt Ion:165 Resp: 13148

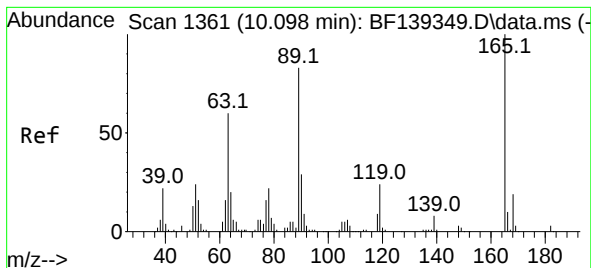
Ion Ratio Lower Upper

165 100

63 0.0 60.9 91.3#

89 0.0 54.7 82.1#





#57

2,4-Dinitrotoluene

Concen: 6.340 ng

RT: 9.910 min Scan# 1

Delta R.T. -0.188 min

Lab File: BF139527.D

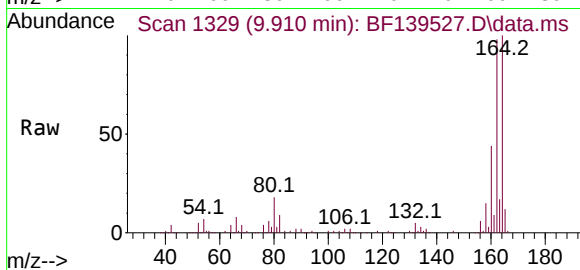
Acq: 24 Sep 2024 18:32

Instrument :

BNA_F

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OK-02-09132024



Tgt Ion:165 Resp: 13148

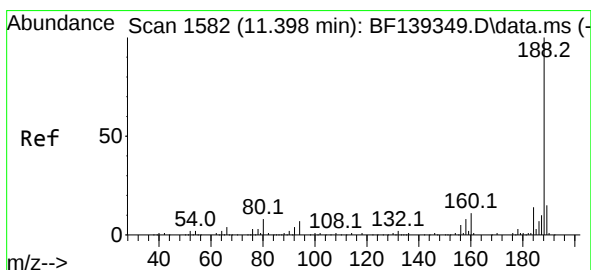
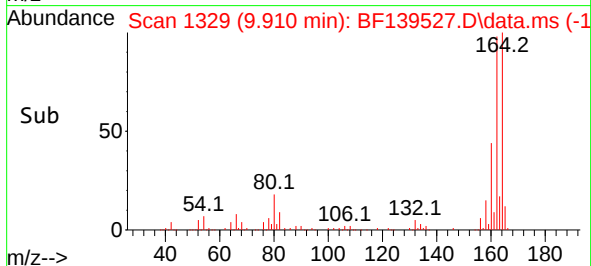
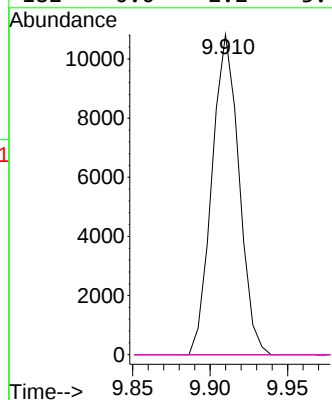
Ion Ratio Lower Upper

165 100

63 0.0 47.8 71.6#

89 0.0 66.7 100.1#

182 0.0 2.2 3.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.000 min

Lab File: BF139527.D

Acq: 24 Sep 2024 18:32

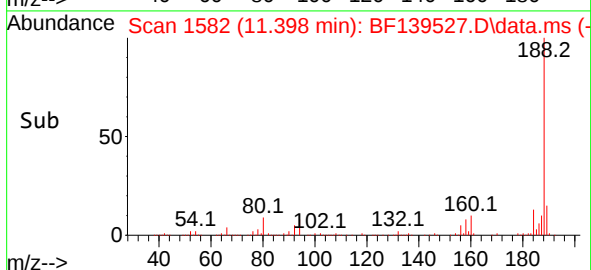
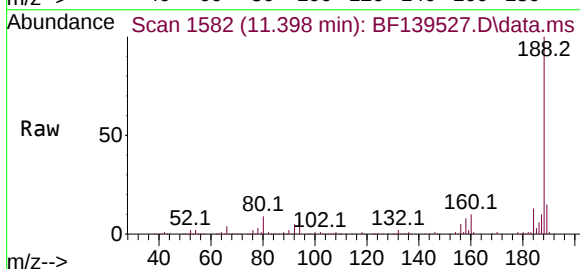
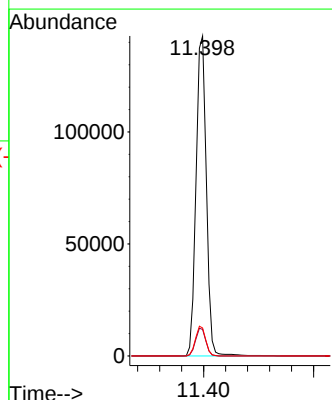
Tgt Ion:188 Resp: 185557

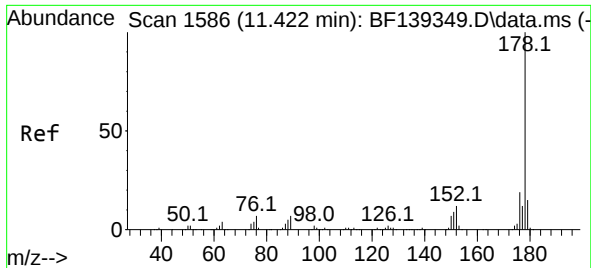
Ion Ratio Lower Upper

188 100

94 8.3 5.5 8.3#

80 8.8 6.6 9.8

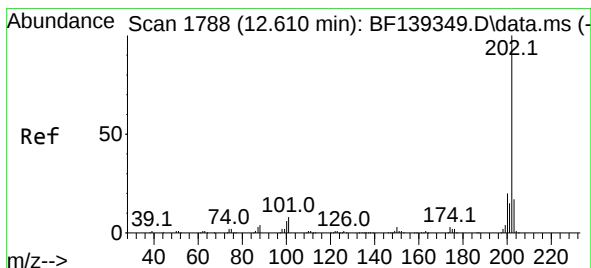
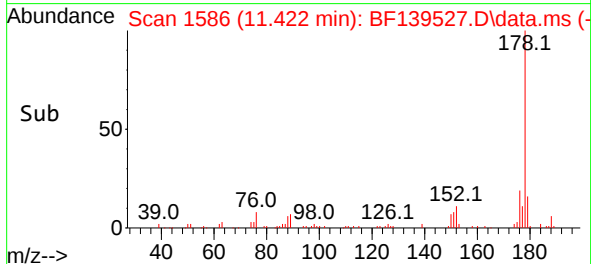
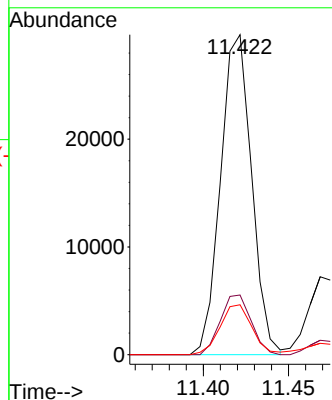
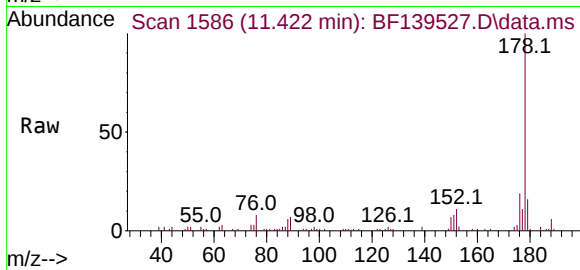




#71
Phenanthrene
Concen: 4.203 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139527.D
Acq: 24 Sep 2024 18:32

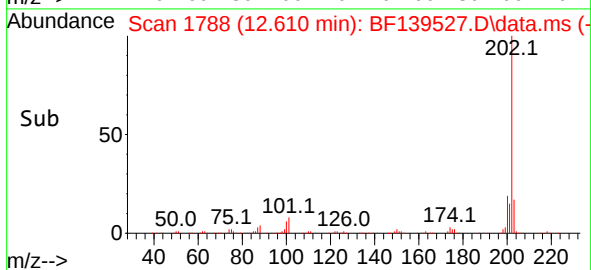
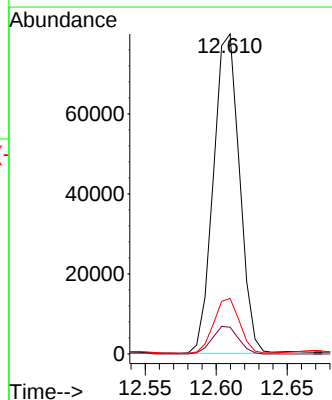
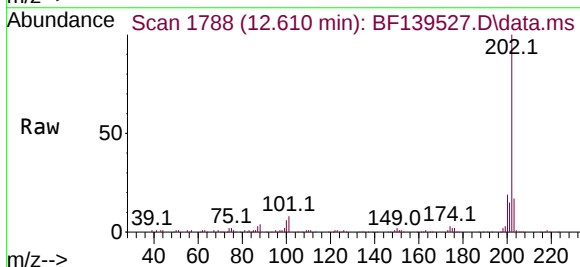
Instrument :
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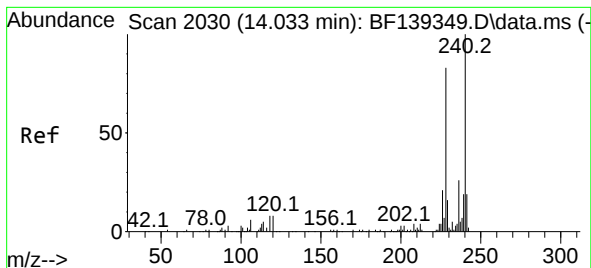
Tgt Ion:178 Resp: 37627
Ion Ratio Lower Upper
178 100
176 18.6 15.2 22.8
179 15.6 12.2 18.4



#75
Fluoranthene
Concen: 10.662 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.000 min
Lab File: BF139527.D
Acq: 24 Sep 2024 18:32

Tgt Ion:202 Resp: 101935
Ion Ratio Lower Upper
202 100
101 8.3 0.0 27.7
203 17.3 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: BF139527.D

Acq: 24 Sep 2024 18:32

Instrument :

BNA_F

ClientSampleId :

OK-02-09132024

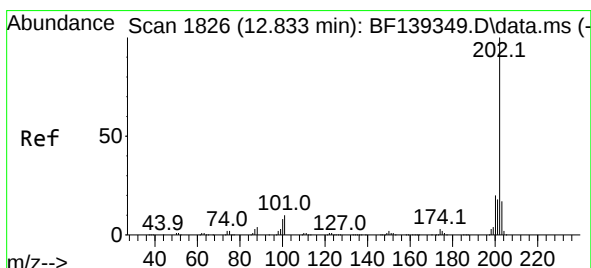
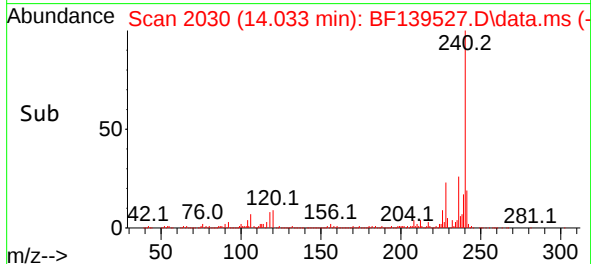
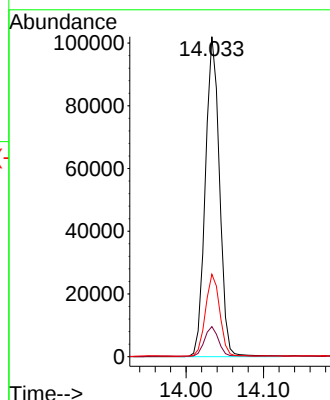
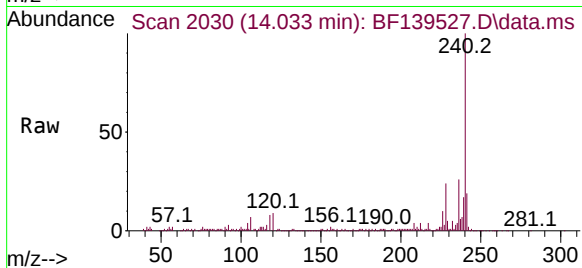
Tgt Ion:240 Resp: 129806

Ion Ratio Lower Upper

240 100

120 9.4 6.2 9.2#

236 25.8 20.9 31.3



#78

Pyrene

Concen: 8.219 ng

RT: 12.839 min Scan# 1827

Delta R.T. 0.006 min

Lab File: BF139527.D

Acq: 24 Sep 2024 18:32

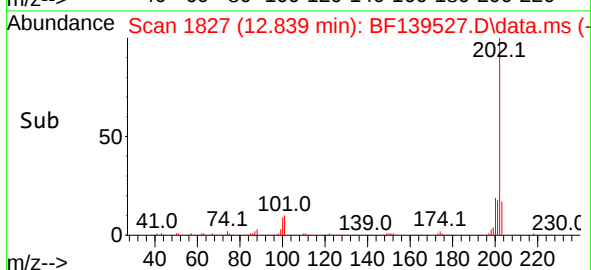
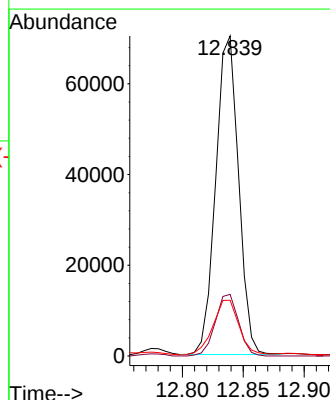
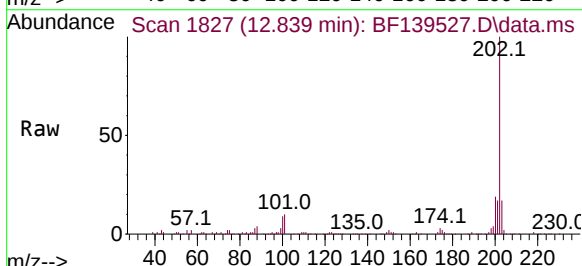
Tgt Ion:202 Resp: 91609

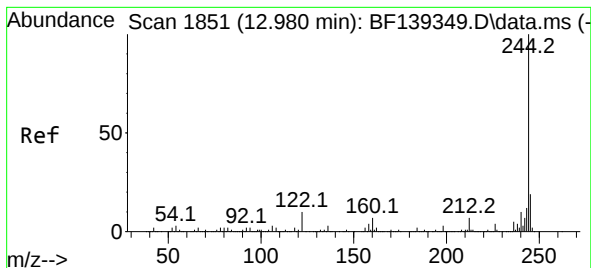
Ion Ratio Lower Upper

202 100

200 19.3 16.2 24.2

203 17.4 13.9 20.9





#79

Terphenyl-d14

Concen: 9.288 ng

RT: 12.974 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139527.D

Acq: 24 Sep 2024 18:32

Instrument :

BNA_F

ClientSampleId :

OK-02-09132024

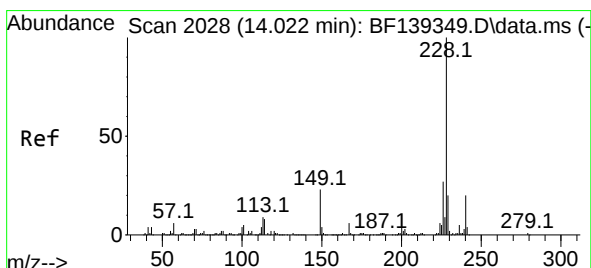
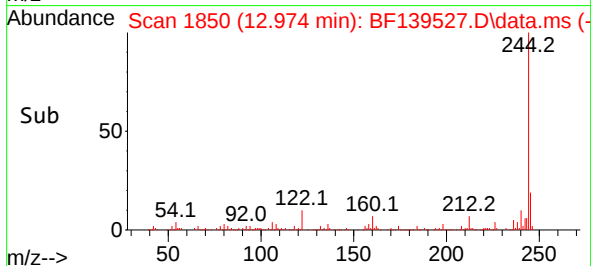
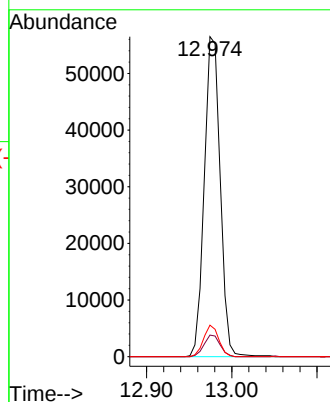
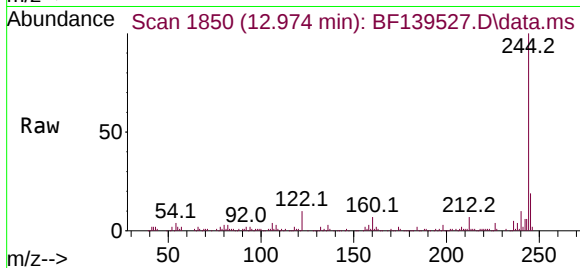
Tgt Ion:244 Resp: 73453

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

122 9.8 7.6 11.4



#81

Benzo(a)anthracene

Concen: 5.987 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.035 min

Lab File: BF139527.D

Acq: 24 Sep 2024 18:32

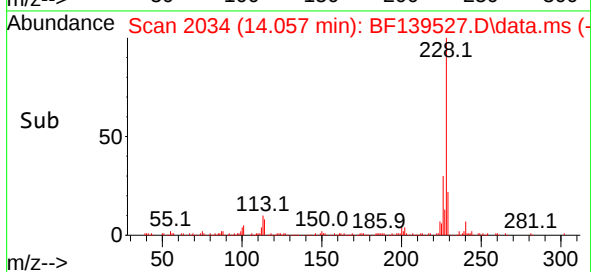
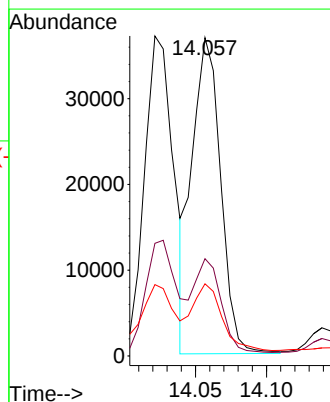
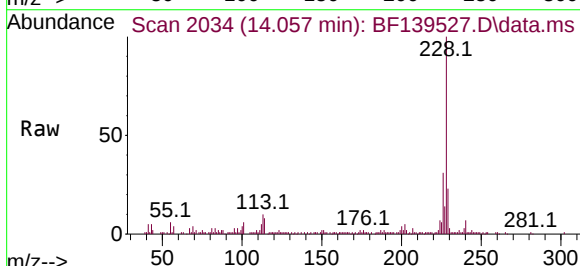
Tgt Ion:228 Resp: 51482

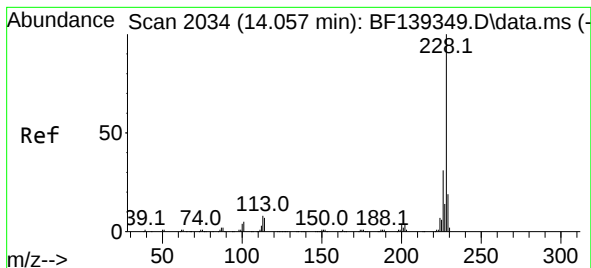
Ion Ratio Lower Upper

228 100

226 30.6 21.6 32.4

229 22.7 15.7 23.5





#83

Chrysene

Concen: 6.508 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139527.D

Acq: 24 Sep 2024 18:32

Instrument :

BNA_F

ClientSampleId :

OK-02-09132024

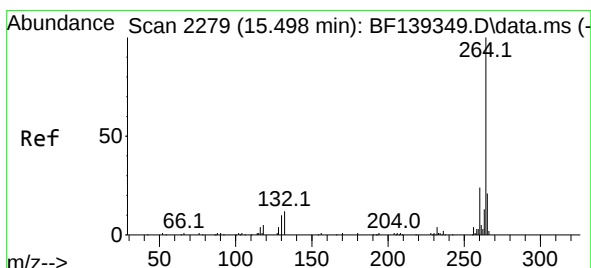
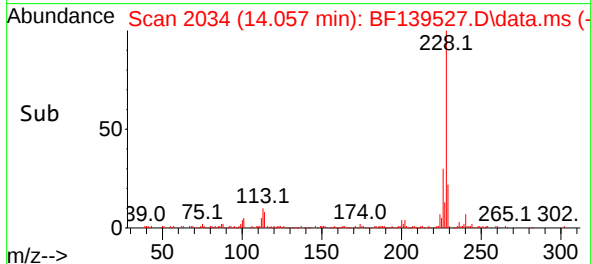
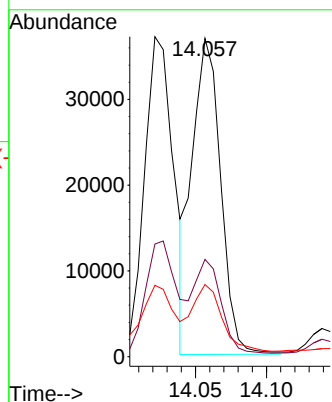
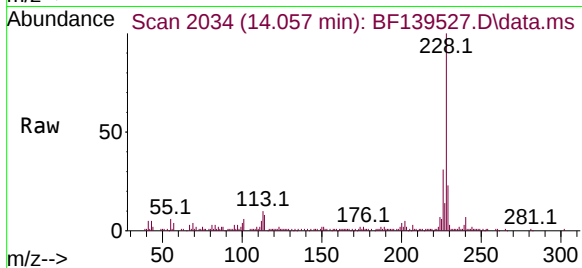
Tgt Ion:228 Resp: 51482

Ion Ratio Lower Upper

228 100

226 30.6 24.1 36.1

229 22.7 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 2281

Delta R.T. 0.012 min

Lab File: BF139527.D

Acq: 24 Sep 2024 18:32

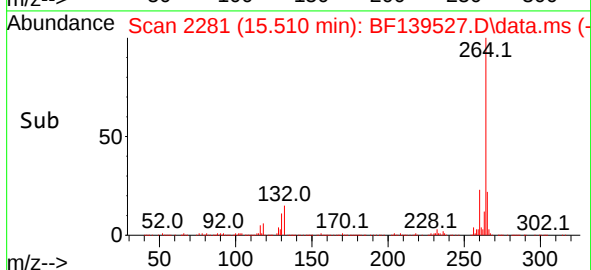
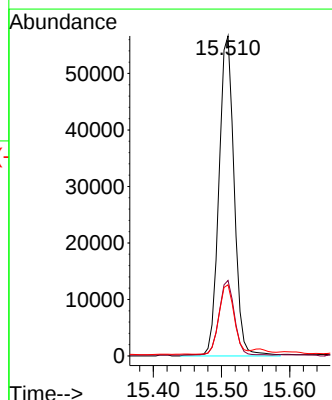
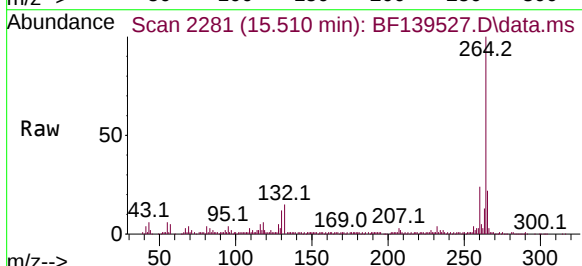
Tgt Ion:264 Resp: 88314

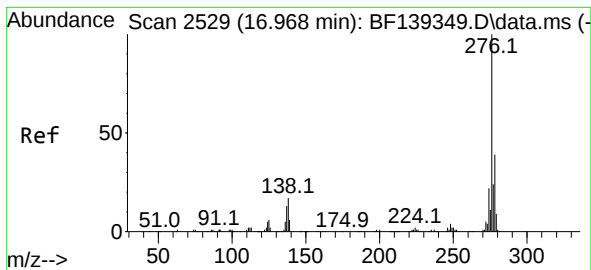
Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

265 22.3 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.574 ng

RT: 16.974 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139527.D

Acq: 24 Sep 2024 18:32

Instrument :

BNA_F

ClientSampleId :

OK-02-09132024

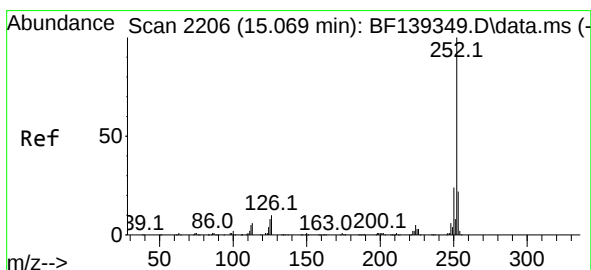
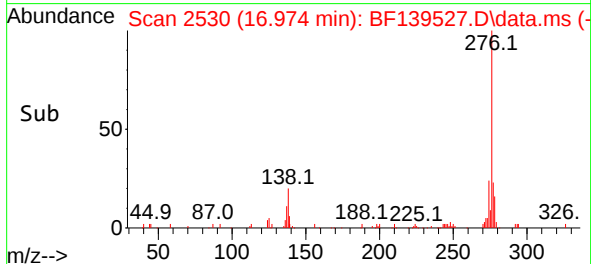
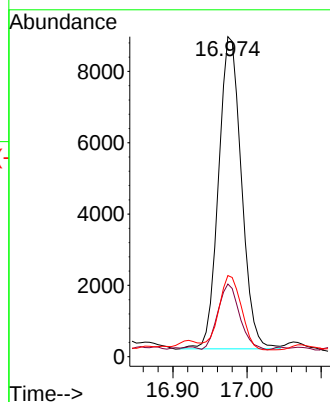
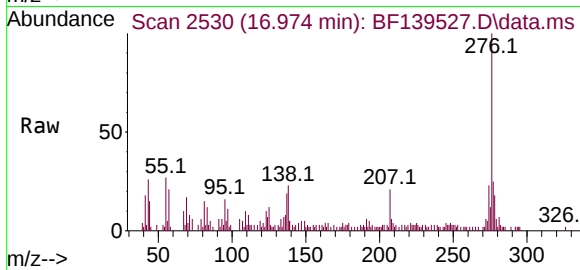
Tgt Ion:276 Resp: 18770

Ion Ratio Lower Upper

276 100

138 20.1 15.4 23.2

277 23.5 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 13.885 ng

RT: 15.074 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BF139527.D

Acq: 24 Sep 2024 18:32

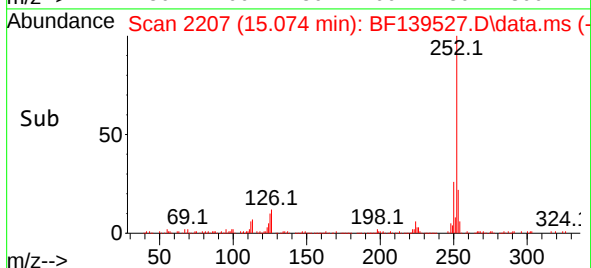
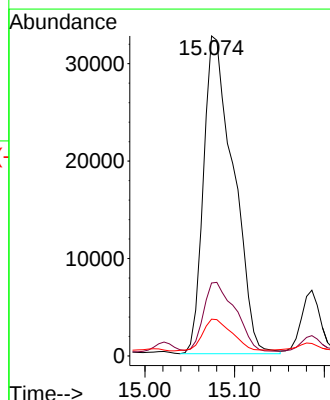
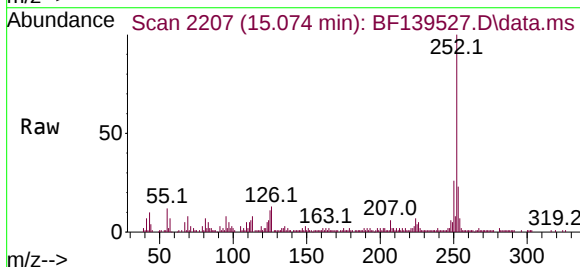
Tgt Ion:252 Resp: 75624

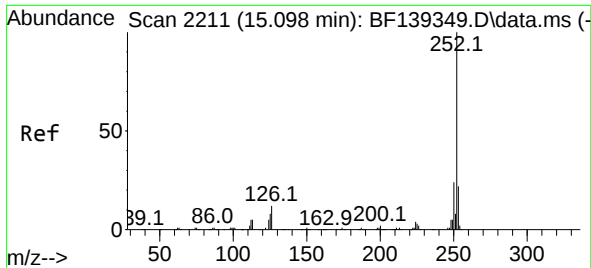
Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 11.5 6.2 9.2#

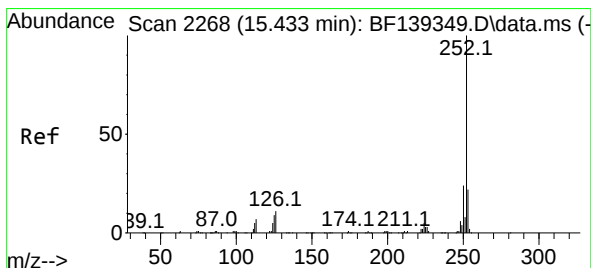
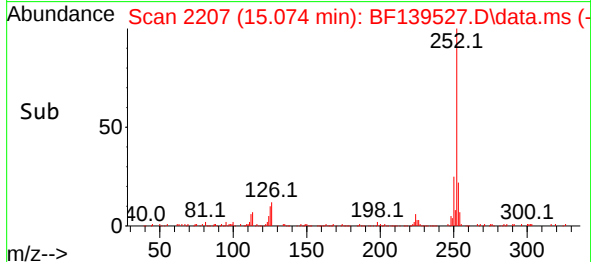
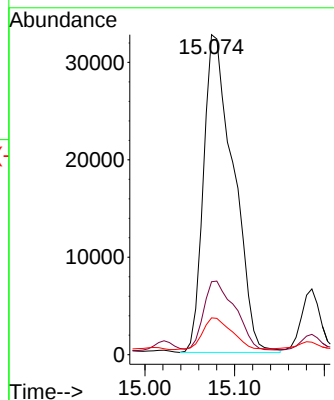
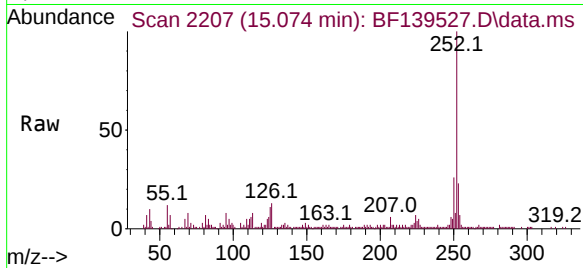




#89
Benzo(k)fluoranthene
Concen: 15.059 ng
RT: 15.074 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF139527.D
Acq: 24 Sep 2024 18:32

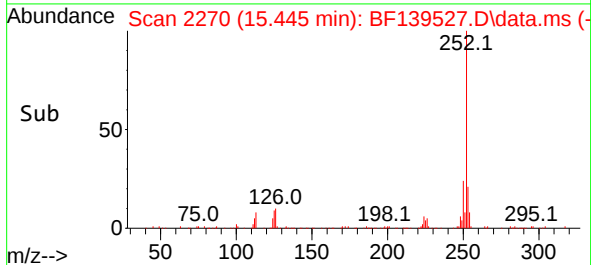
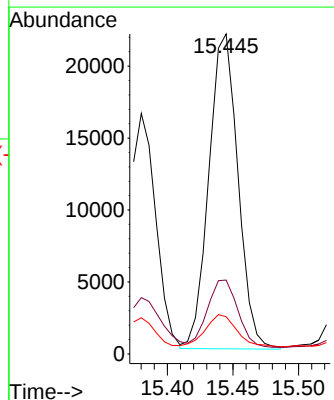
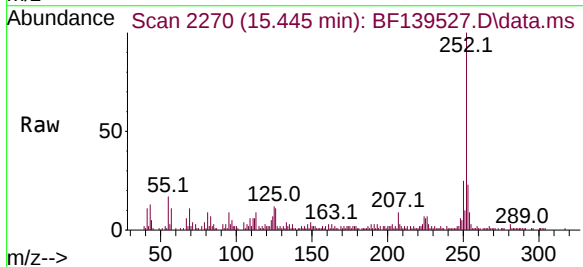
Instrument :
BNA_F
ClientSampleId :
OK-02-09132024

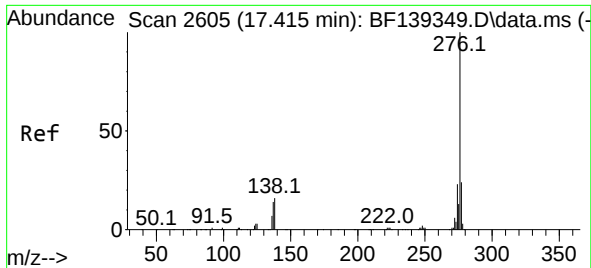
Tgt Ion:252 Resp: 75624
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 11.5 5.9 8.9#



#90
Benzo(a)pyrene
Concen: 7.487 ng
RT: 15.445 min Scan# 2270
Delta R.T. 0.012 min
Lab File: BF139527.D
Acq: 24 Sep 2024 18:32

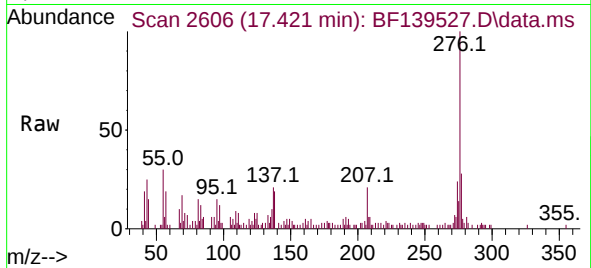
Tgt Ion:252 Resp: 33818
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 11.7 6.8 10.2#





#92
 Benzo(g,h,i)perylene
 Concen: 4.437 ng
 RT: 17.421 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: BF139527.D
 Acq: 24 Sep 2024 18:32

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-09132024



Tgt Ion:	276	Resp:	19065
Ion	Ratio	Lower	Upper
276	100		
277	27.8	18.9	28.3
138	19.2	13.0	19.6

