

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139444.D
 Acq On : 19 Sep 2024 00:03
 Operator : RC/JU
 Sample : P4014-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-09162024

Quant Time: Sep 19 01:32:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

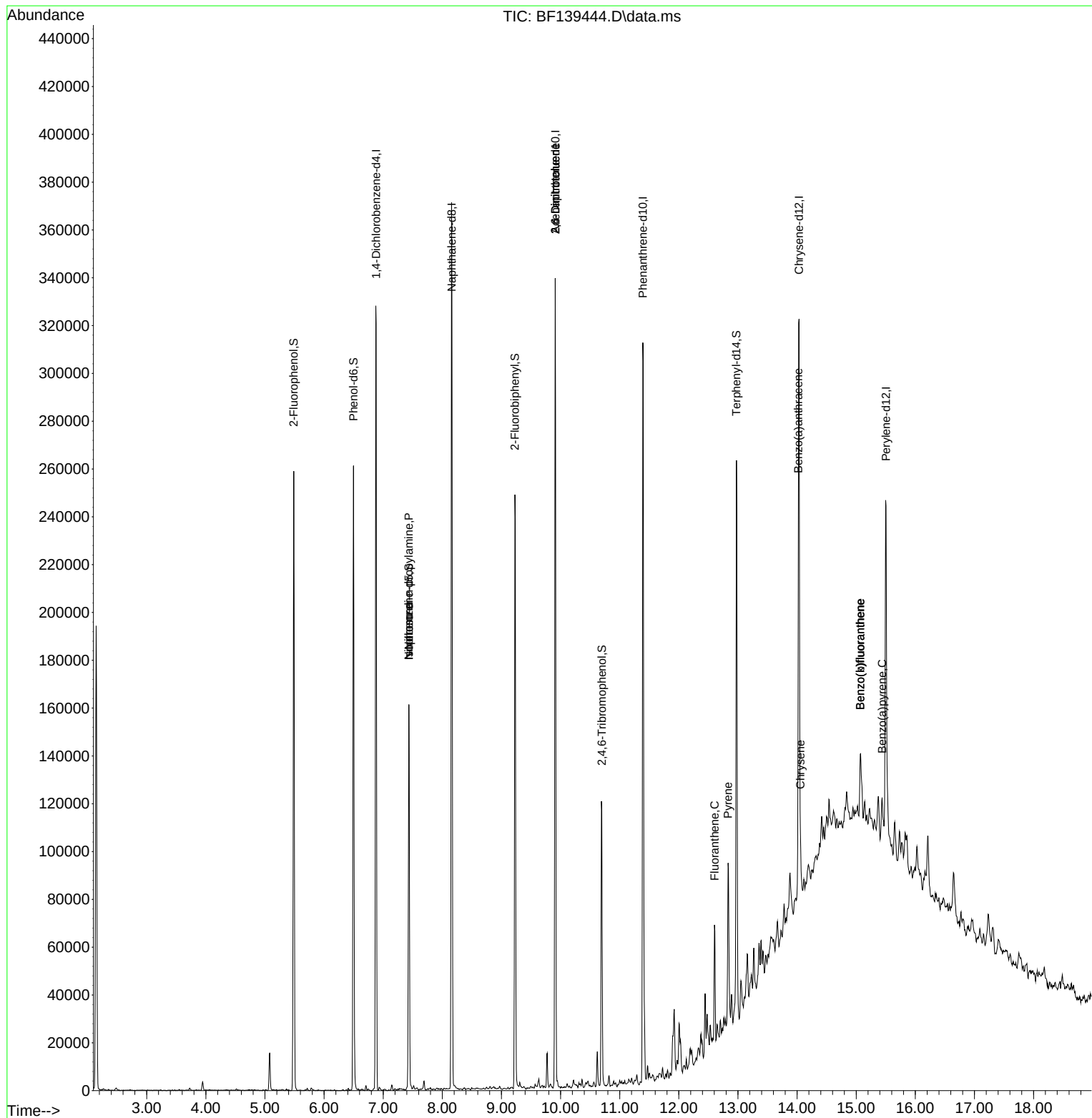
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	65817	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	211617	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	95237	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	166015	20.000	ng	0.00
76) Chrysene-d12	14.033	240	108868	20.000	ng	0.00
86) Perylene-d12	15.504	264	84283	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	80118	19.858	ng	0.00
7) Phenol-d6	6.498	99	99796	18.845	ng	0.00
23) Nitrobenzene-d5	7.434	82	64078	14.235	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	16810	16.579	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	108597	15.993	ng	0.00
79) Terphenyl-d14	12.974	244	105851	15.959	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.434	70	9330	2.973	ng	# 74
25) Isophorone	7.434	82	64077	9.001	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	12332	8.906	ng	# 14
57) 2,4-Dinitrotoluene	9.910	165	12332	6.596	ng	# 16
75) Fluoranthene	12.604	202	27318	3.194	ng	98
78) Pyrene	12.833	202	39050	4.177	ng	99
81) Benzo(a)anthracene	14.021	228	15313	2.123	ng	# 76
83) Chrysene	14.057	228	13668	2.060	ng	# 93
88) Benzo(b)fluoranthene	15.068	252	16124	3.102	ng	# 80
89) Benzo(k)fluoranthene	15.068	252	16124	3.364	ng	# 79
90) Benzo(a)pyrene	15.439	252	9208	2.136	ng	# 78

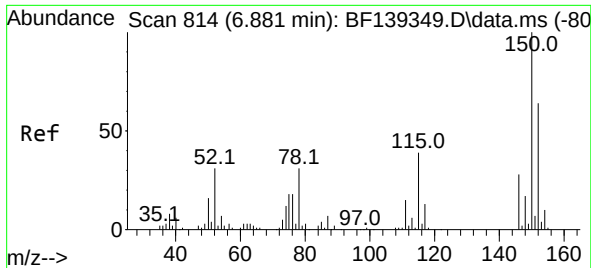
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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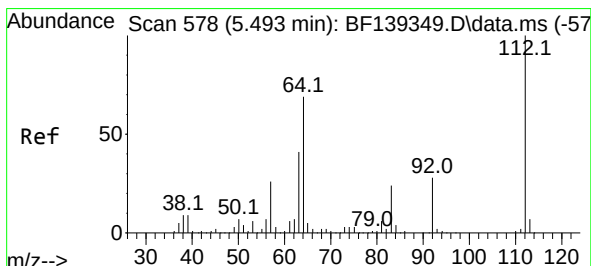
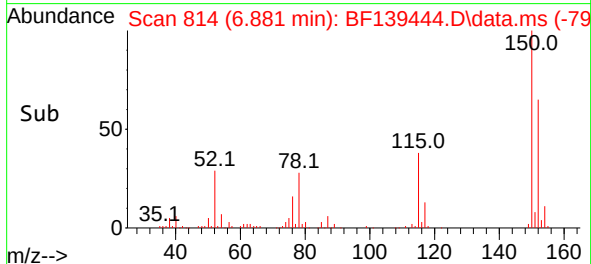
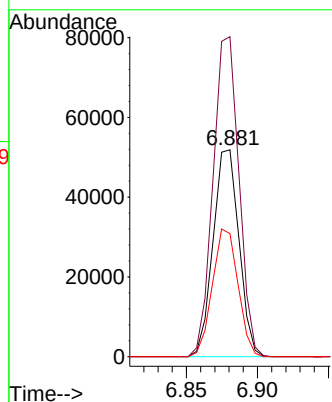
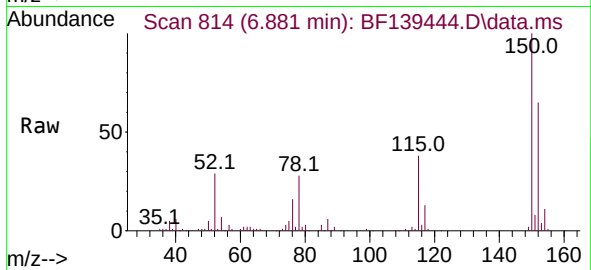




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139444.D
Acq: 19 Sep 2024 00:03

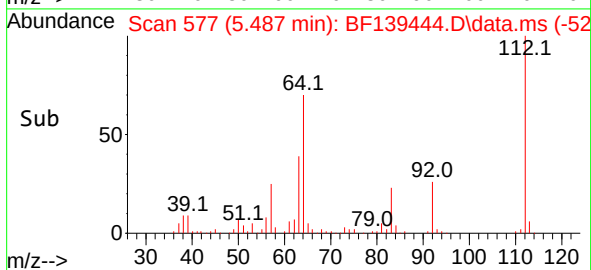
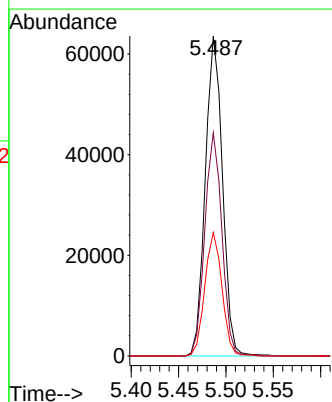
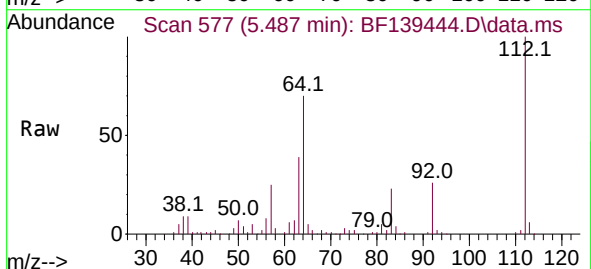
Instrument :
BNA_F
ClientSampleId :
OR-03-09162024

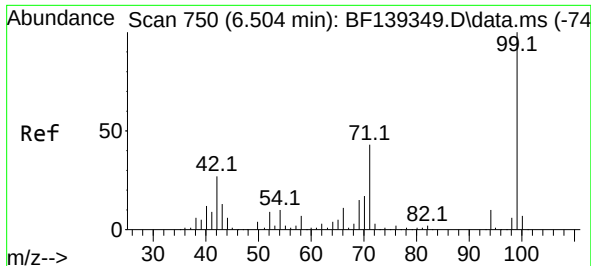
Tgt Ion:152 Resp: 65817
Ion Ratio Lower Upper
152 100
150 154.6 124.1 186.1
115 59.5 48.1 72.1



#5
2-Fluorophenol
Concen: 19.858 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF139444.D
Acq: 19 Sep 2024 00:03

Tgt Ion:112 Resp: 80118
Ion Ratio Lower Upper
112 100
64 69.7 54.8 82.2
63 38.6 33.0 49.4

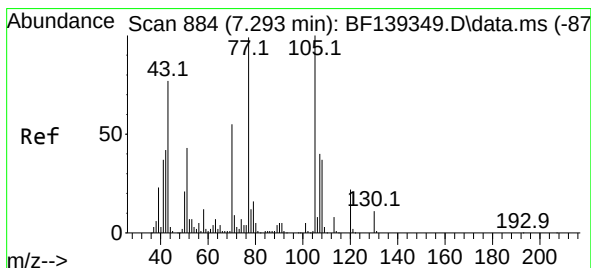
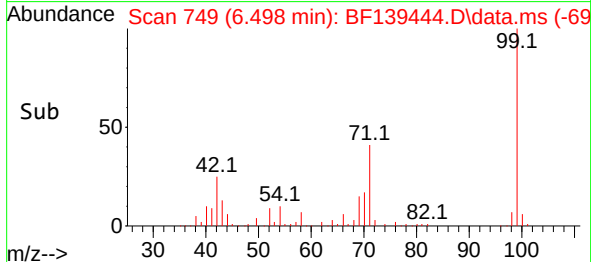
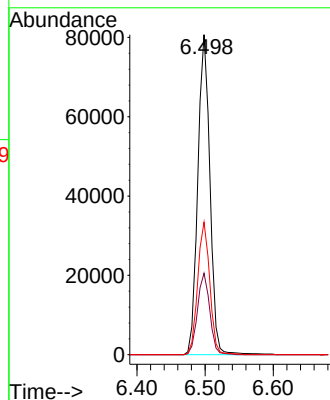
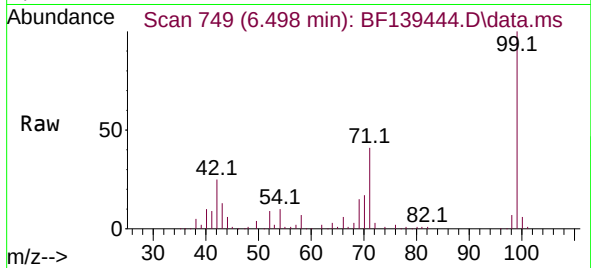




#7
Phenol-d6
Concen: 18.845 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139444.D
Acq: 19 Sep 2024 00:03

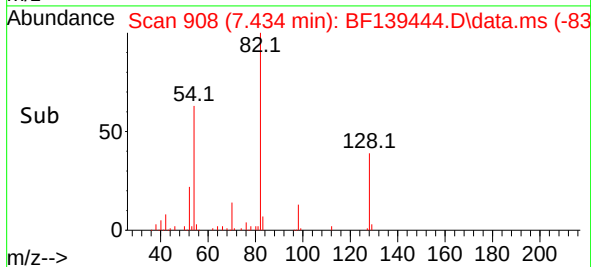
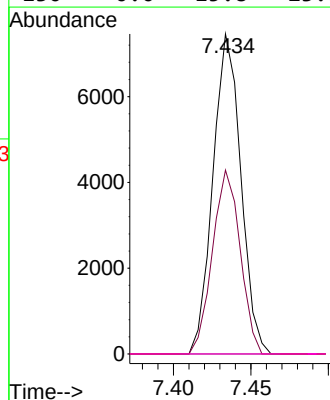
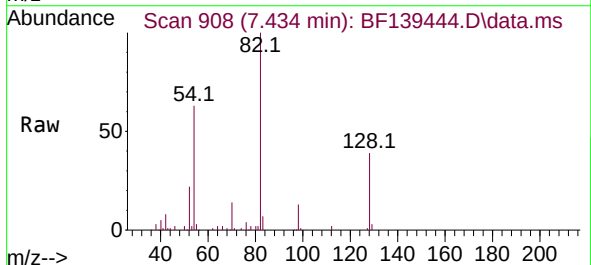
Instrument :
BNA_F
ClientSampleId :
OR-03-09162024

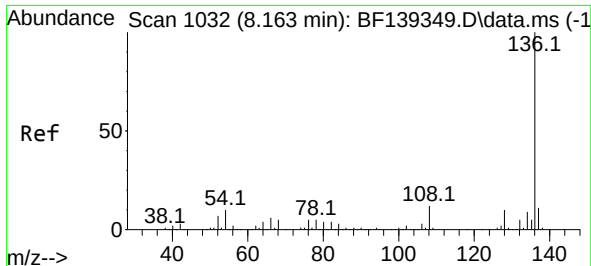
Tgt Ion: 99 Resp: 99796
Ion Ratio Lower Upper
99 100
42 25.5 21.9 32.9
71 41.4 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 2.973 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF139444.D
Acq: 19 Sep 2024 00:03

Tgt Ion: 70 Resp: 9330
Ion Ratio Lower Upper
70 100
42 57.5 61.2 91.8#
101 0.0 7.5 11.3#
130 0.0 15.8 23.8#

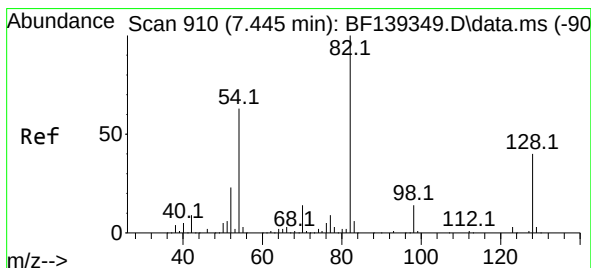
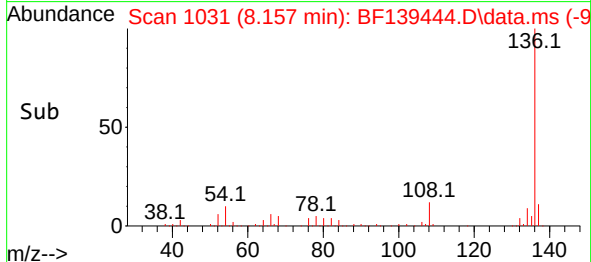
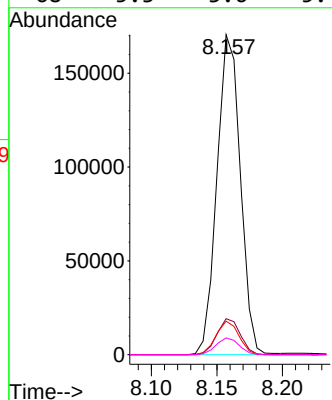
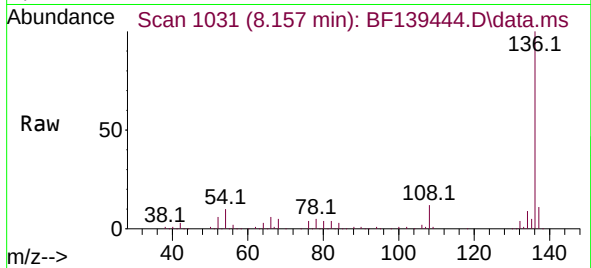




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139444.D
Acq: 19 Sep 2024 00:03

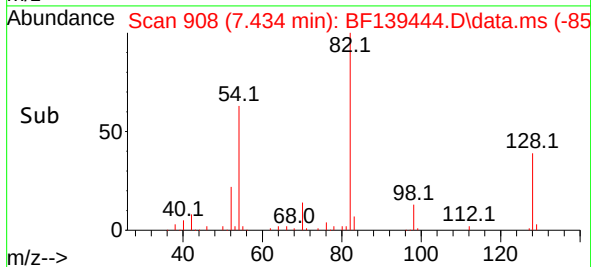
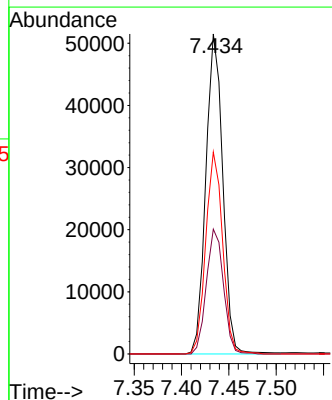
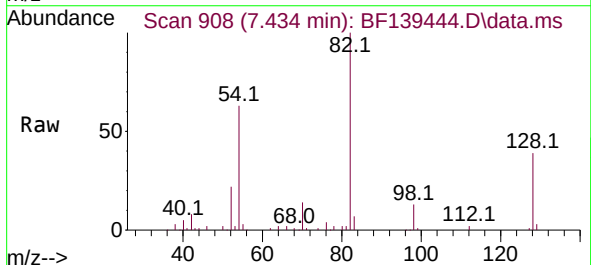
Instrument :
BNA_F
ClientSampleId :
OR-03-09162024

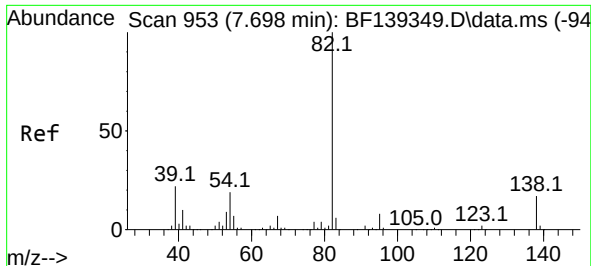
Tgt Ion:	136	Resp:	211617
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	12.8
54	10.5	7.8	11.8
68	5.3	3.6	5.4



#23
Nitrobenzene-d5
Concen: 14.235 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF139444.D
Acq: 19 Sep 2024 00:03

Tgt Ion:	82	Resp:	64078
Ion	Ratio	Lower	Upper
82	100		
128	39.0	31.8	47.6
54	63.1	50.6	75.8

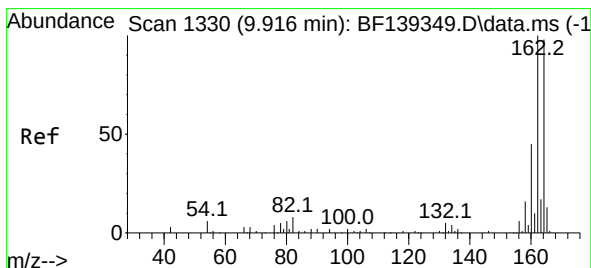
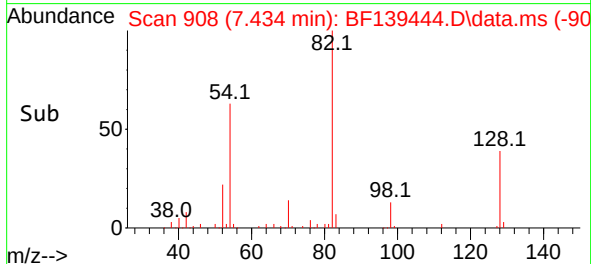
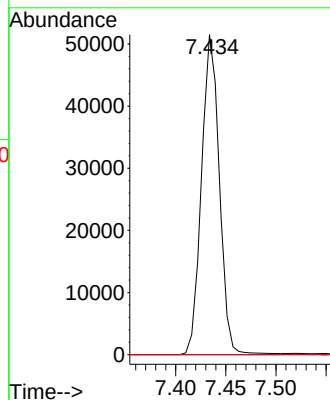
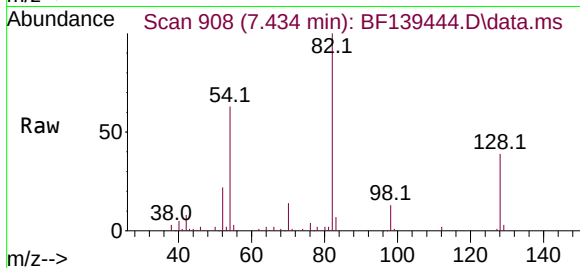




#25
Isophorone
Concen: 9.001 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139444.D
Acq: 19 Sep 2024 00:03

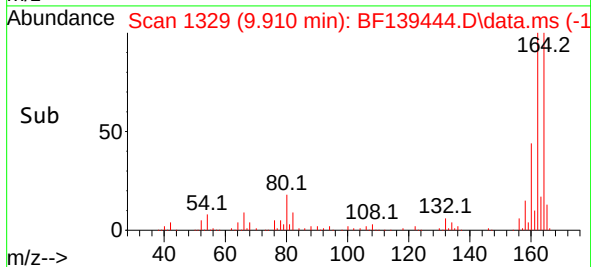
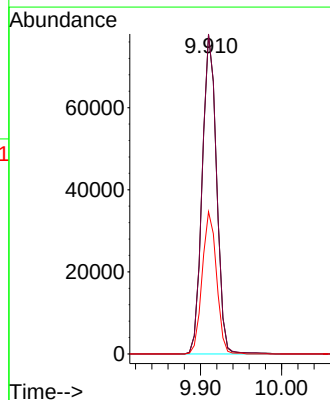
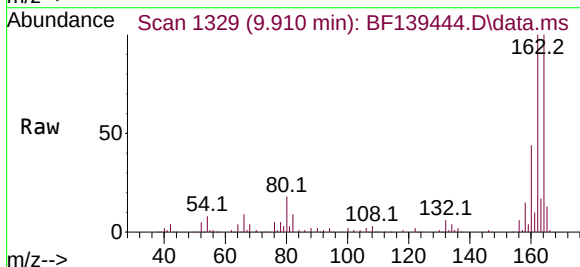
Instrument :
BNA_F
ClientSampleId :
OR-03-09162024

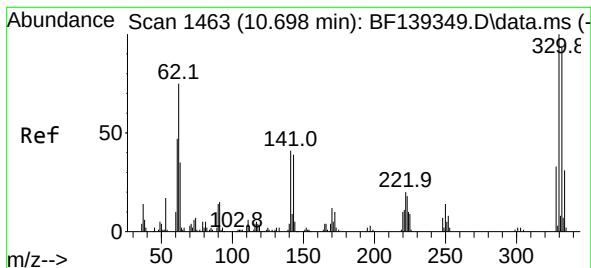
Tgt Ion: 82 Resp: 64077
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139444.D
Acq: 19 Sep 2024 00:03

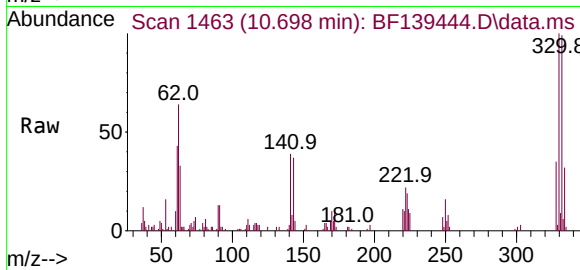
Tgt Ion:164 Resp: 95237
Ion Ratio Lower Upper
164 100
162 100.2 81.3 121.9
160 44.6 36.4 54.6



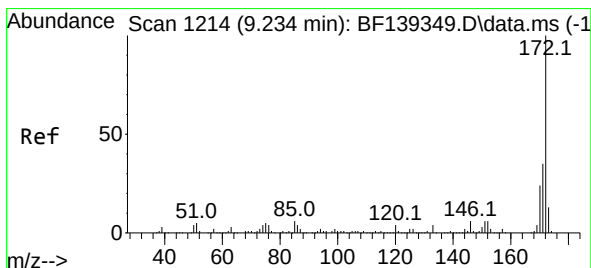
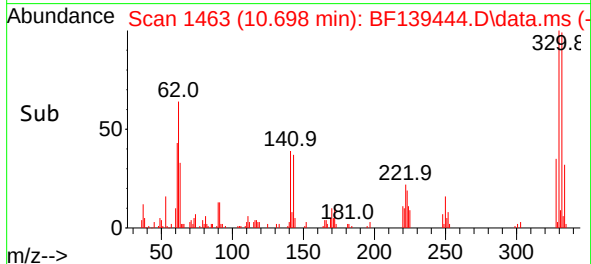
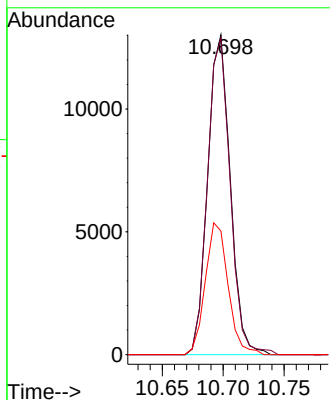


#42
2,4,6-Tribromophenol
Concen: 16.579 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139444.D
Acq: 19 Sep 2024 00:03

Instrument :
BNA_F
ClientSampleId :
OR-03-09162024

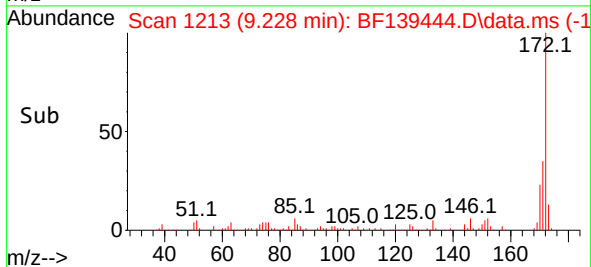
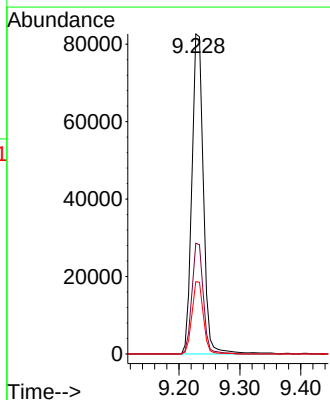
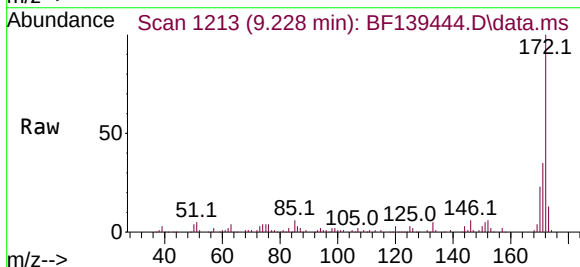


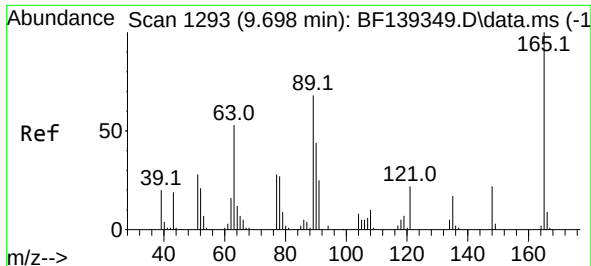
Tgt Ion:330 Resp: 16810
Ion Ratio Lower Upper
330 100
332 99.4 75.2 112.8
141 41.8 31.2 46.8



#45
2-Fluorobiphenyl
Concen: 15.993 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF139444.D
Acq: 19 Sep 2024 00:03

Tgt Ion:172 Resp: 108597
Ion Ratio Lower Upper
172 100
171 34.6 28.3 42.5
170 22.6 19.0 28.6

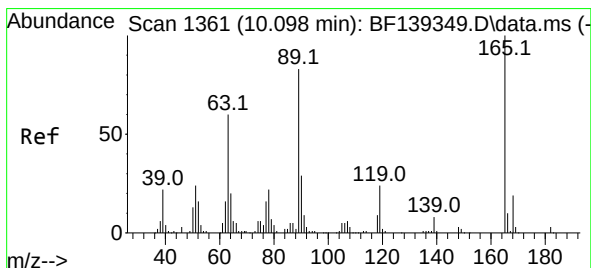
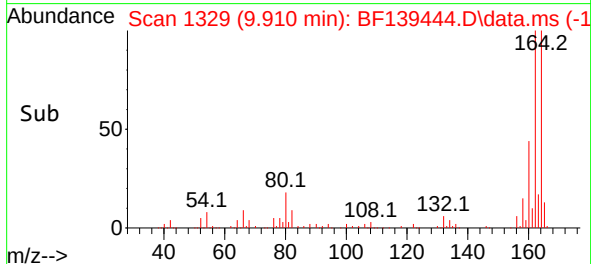
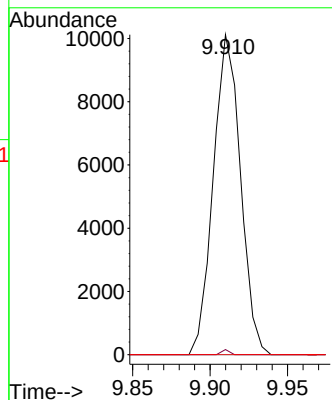
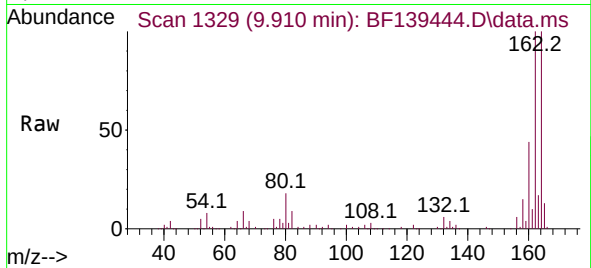




#51
2,6-Dinitrotoluene
Concen: 8.906 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF139444.D
Acq: 19 Sep 2024 00:03

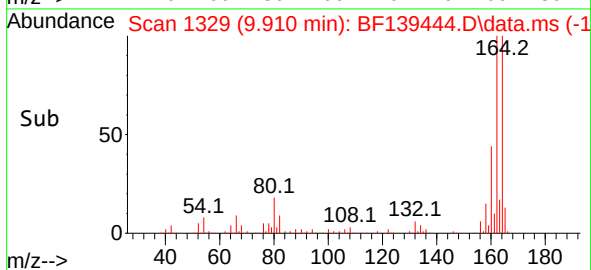
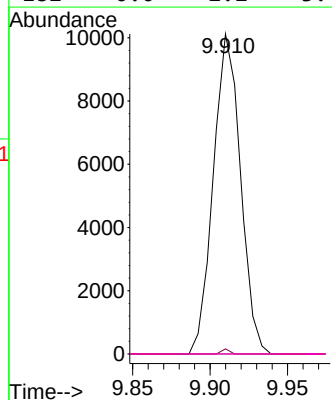
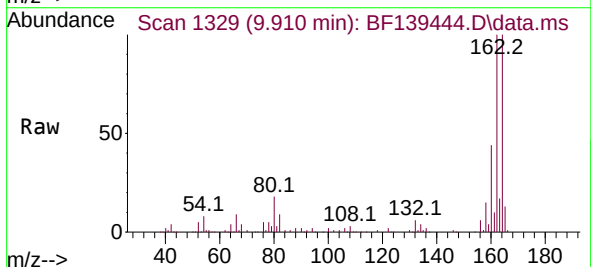
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ClientSampleId :
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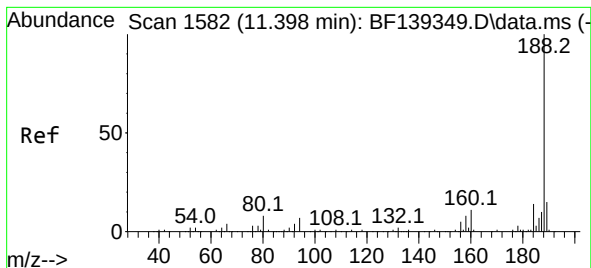
Tgt Ion:165 Resp: 12332
Ion Ratio Lower Upper
165 100
63 1.6 60.9 91.3#
89 0.0 54.7 82.1#



#57
2,4-Dinitrotoluene
Concen: 6.596 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF139444.D
Acq: 19 Sep 2024 00:03

Tgt Ion:165 Resp: 12332
Ion Ratio Lower Upper
165 100
63 1.6 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: 11.392 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139444.D

Acq: 19 Sep 2024 00:03

Instrument :

BNA_F

ClientSampleId :

OR-03-09162024

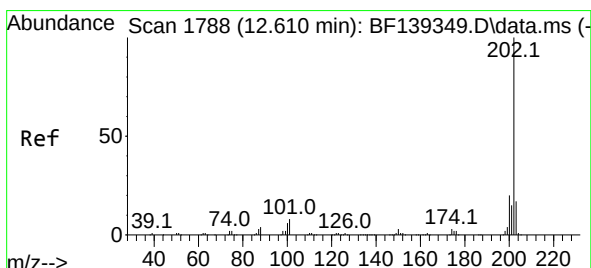
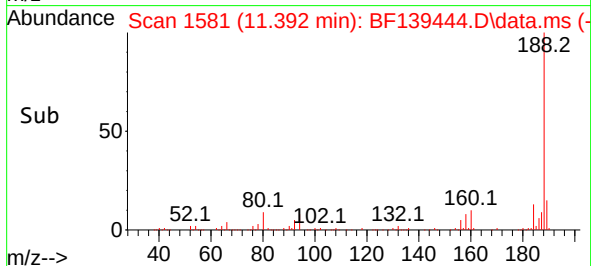
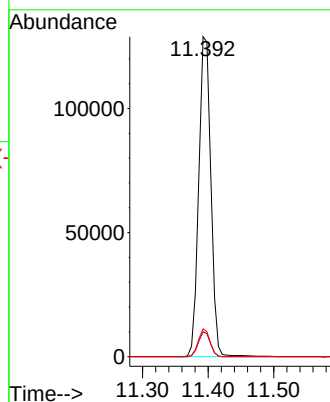
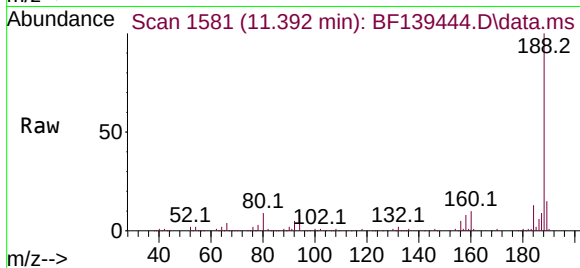
Tgt Ion:188 Resp: 166015

Ion Ratio Lower Upper

188 100

94 7.8 5.5 8.3

80 8.7 6.6 9.8



#75

Fluoranthene

Concen: 3.194 ng

RT: 12.604 min Scan# 1787

Delta R.T. -0.006 min

Lab File: BF139444.D

Acq: 19 Sep 2024 00:03

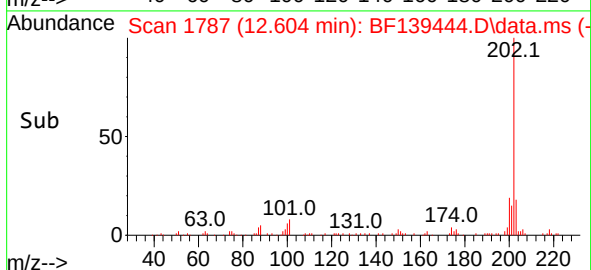
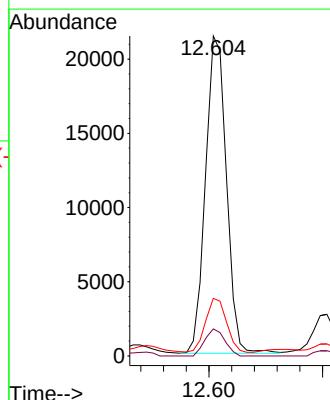
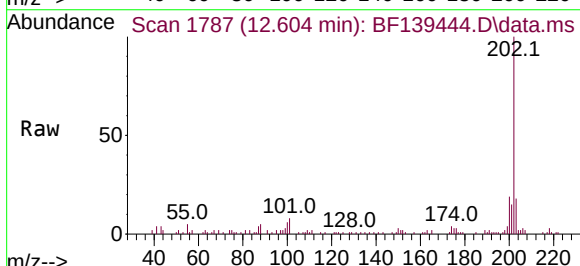
Tgt Ion:202 Resp: 27318

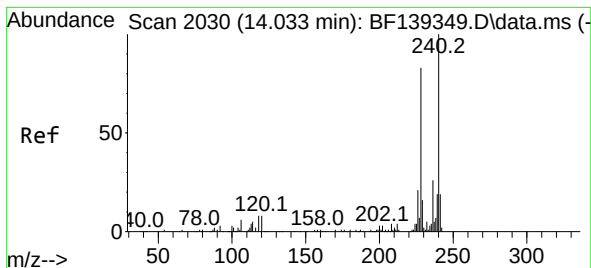
Ion Ratio Lower Upper

202 100

101 8.5 0.0 27.7

203 18.0 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: BF139444.D

Acq: 19 Sep 2024 00:03

Instrument :

BNA_F

ClientSampleId :

OR-03-09162024

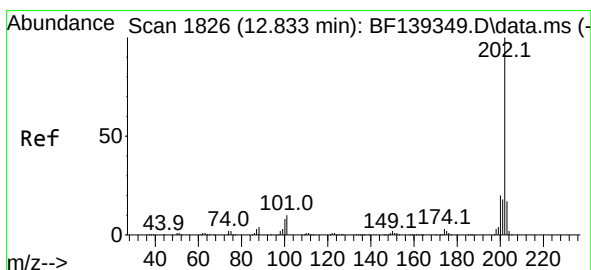
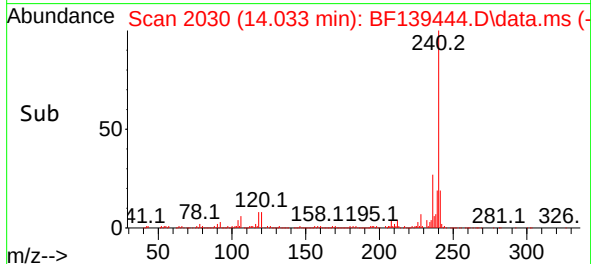
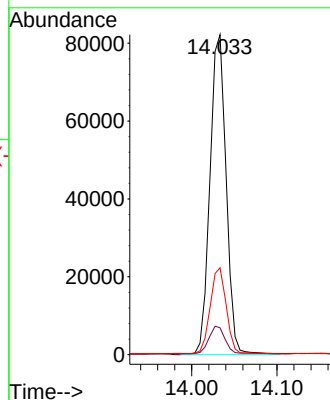
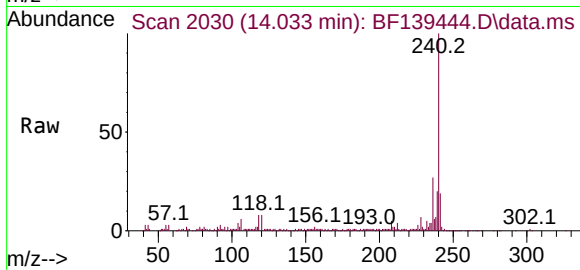
Tgt Ion:240 Resp: 108868

Ion Ratio Lower Upper

240 100

120 8.4 6.2 9.2

236 27.2 20.9 31.3



#78

Pyrene

Concen: 4.177 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF139444.D

Acq: 19 Sep 2024 00:03

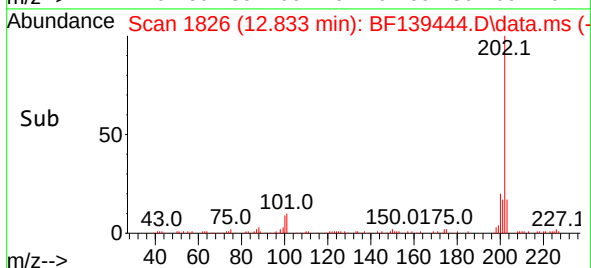
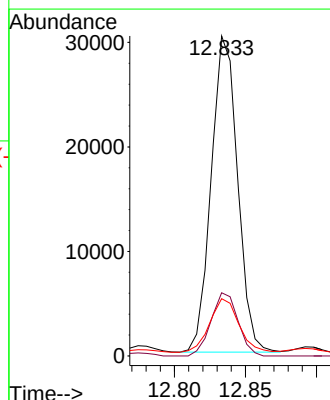
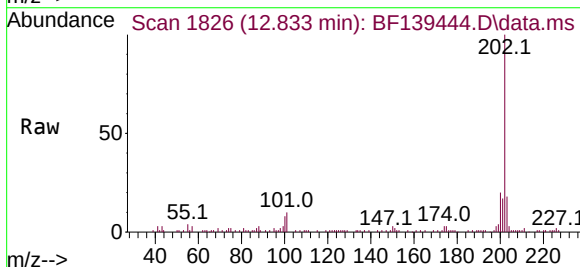
Tgt Ion:202 Resp: 39050

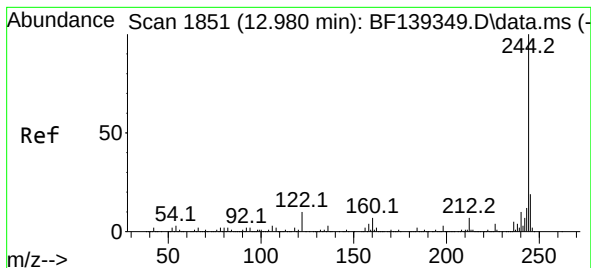
Ion Ratio Lower Upper

202 100

200 19.7 16.2 24.2

203 17.9 13.9 20.9





#79

Terphenyl-d14

Concen: 15.959 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF139444.D

Acq: 19 Sep 2024 00:03

Instrument :

BNA_F

ClientSampleId :

OR-03-09162024

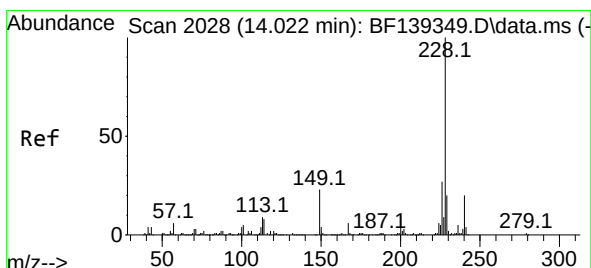
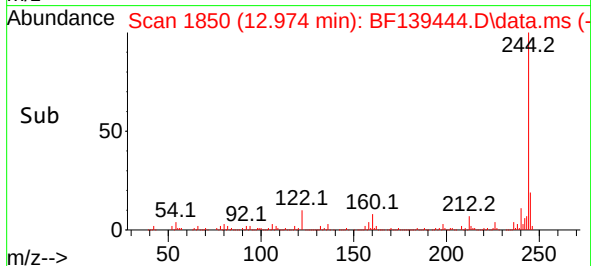
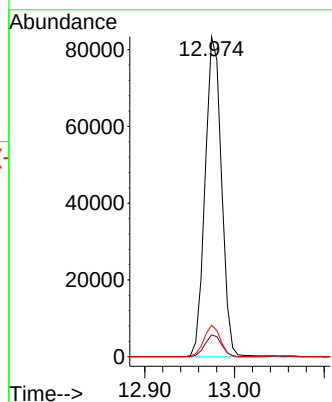
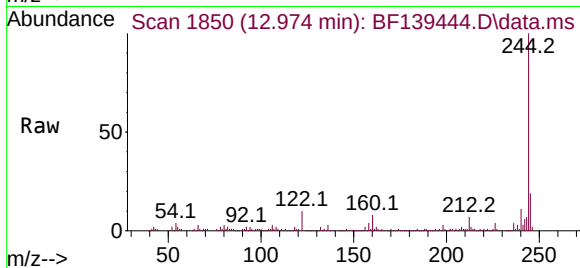
Tgt Ion:244 Resp: 105851

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

122 9.9 7.6 11.4



#81

Benzo(a)anthracene

Concen: 2.123 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF139444.D

Acq: 19 Sep 2024 00:03

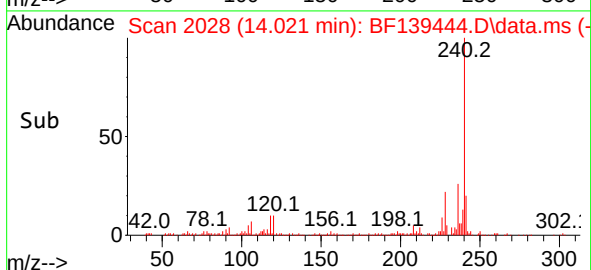
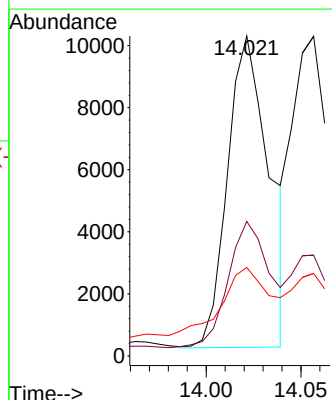
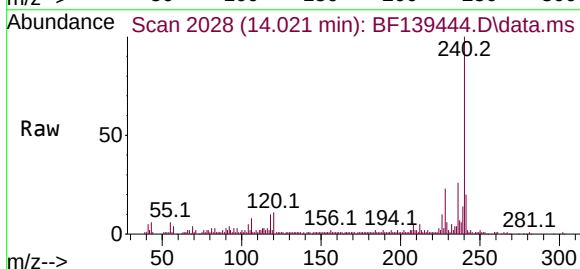
Tgt Ion:228 Resp: 15313

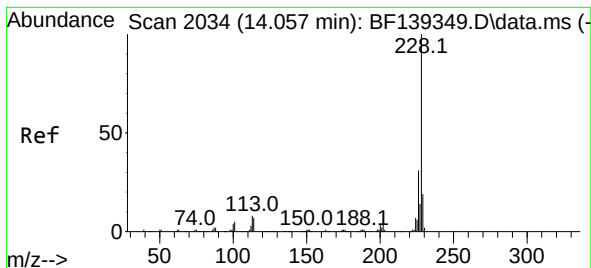
Ion Ratio Lower Upper

228 100

226 42.0 21.6 32.4#

229 27.7 15.7 23.5#





#83

Chrysene

Concen: 2.060 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139444.D

Acq: 19 Sep 2024 00:03

Instrument :

BNA_F

ClientSampleId :

OR-03-09162024

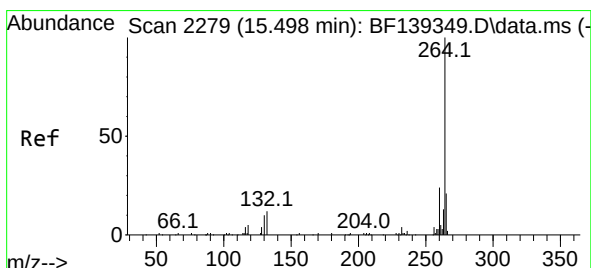
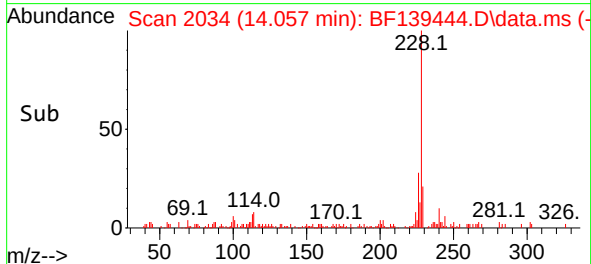
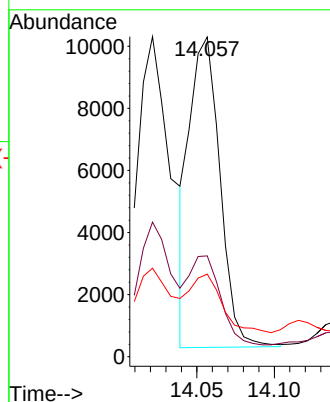
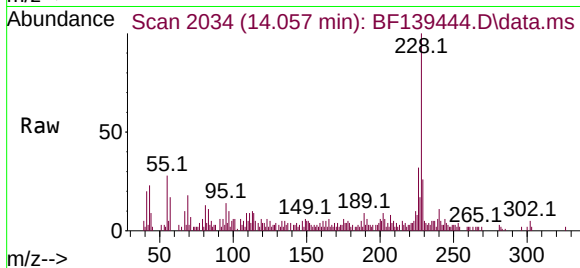
Tgt Ion:228 Resp: 13668

Ion Ratio Lower Upper

228 100

226 31.5 24.1 36.1

229 25.8 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: BF139444.D

Acq: 19 Sep 2024 00:03

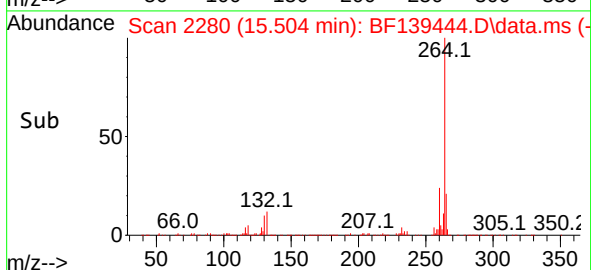
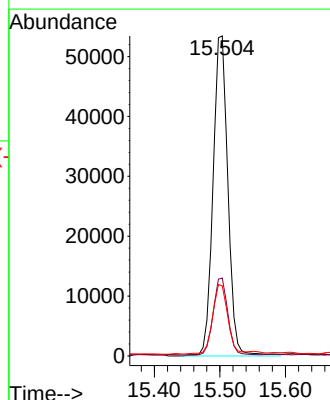
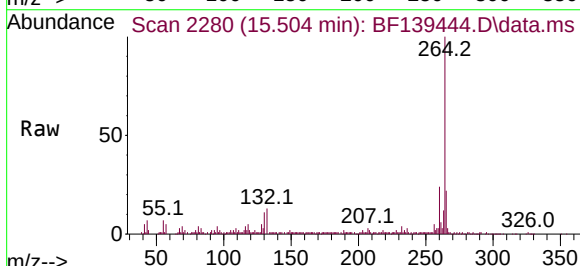
Tgt Ion:264 Resp: 84283

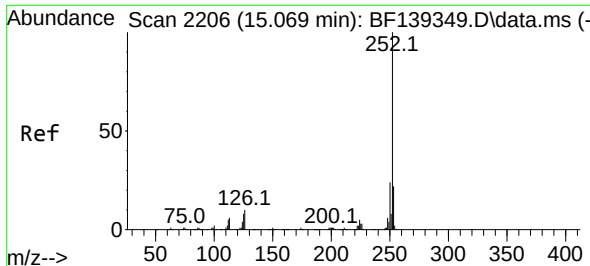
Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 21.9 16.6 25.0

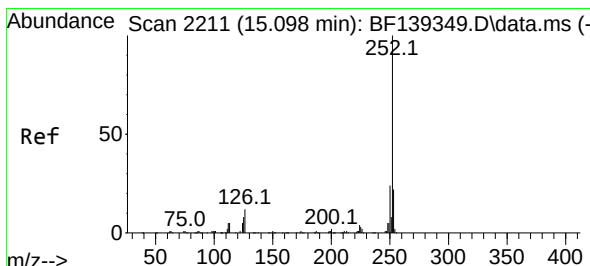
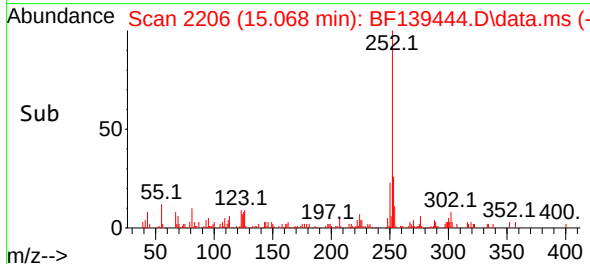
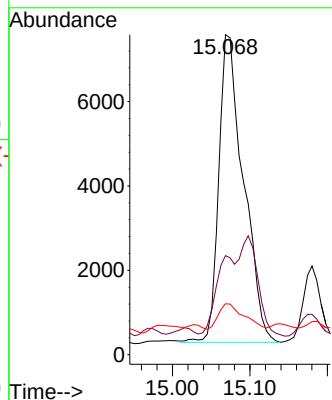
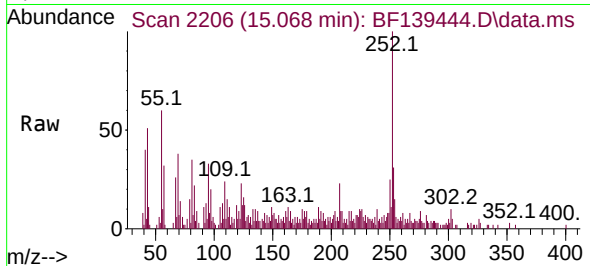




#88
Benzo(b)fluoranthene
Concen: 3.102 ng
RT: 15.068 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139444.D
Acq: 19 Sep 2024 00:03

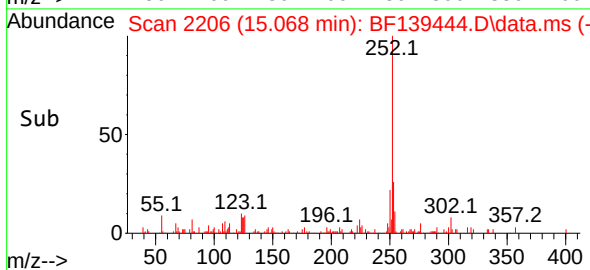
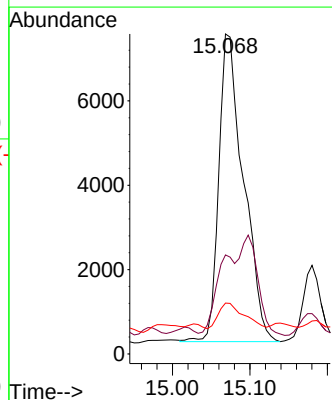
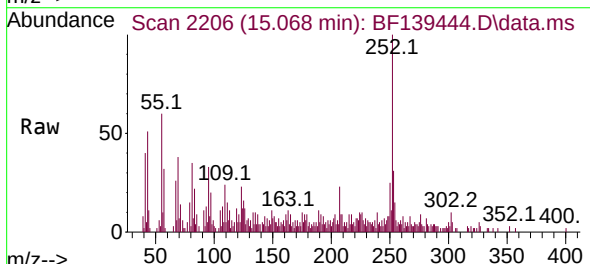
Instrument :
BNA_F
ClientSampleId :
OR-03-09162024

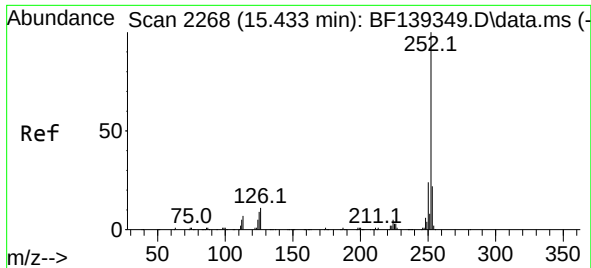
Tgt Ion:252 Resp: 16124
Ion Ratio Lower Upper
252 100
253 31.0 17.6 26.4#
125 15.9 6.2 9.2#



#89
Benzo(k)fluoranthene
Concen: 3.364 ng
RT: 15.068 min Scan# 2206
Delta R.T. -0.030 min
Lab File: BF139444.D
Acq: 19 Sep 2024 00:03

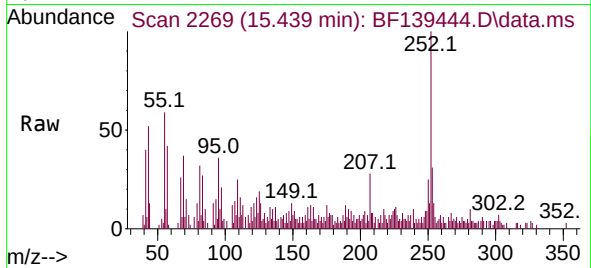
Tgt Ion:252 Resp: 16124
Ion Ratio Lower Upper
252 100
253 31.0 17.3 25.9#
125 15.9 5.9 8.9#





#90
 Benzo(a)pyrene
 Concen: 2.136 ng
 RT: 15.439 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF139444.D
 Acq: 19 Sep 2024 00:03

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-09162024



Tgt Ion:252 Resp: 9208
 Ion Ratio Lower Upper
 252 100
 253 30.7 17.3 25.9#
 125 18.5 6.8 10.2#

