

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051724\
 Data File : BF137935.D
 Acq On : 17 May 2024 16:48
 Operator : CG\JU
 Sample : P2513-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-13

Quant Time: May 17 17:11:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

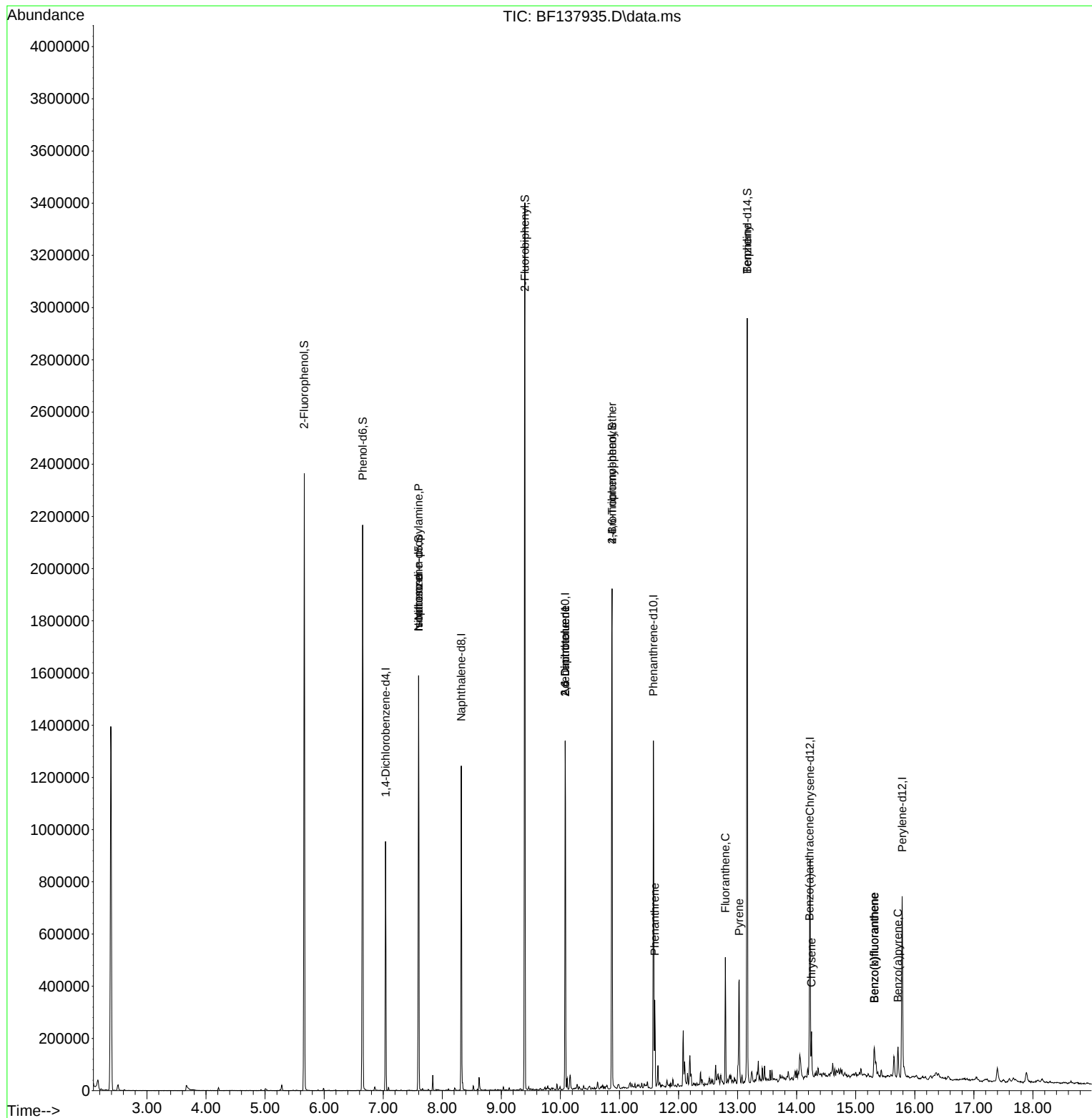
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.040	152	127349	20.000	ng	0.00
21) Naphthalene-d8	8.322	136	491444	20.000	ng	0.00
39) Acenaphthene-d10	10.081	164	276807	20.000	ng	0.00
64) Phenanthrene-d10	11.575	188	464883	20.000	ng	0.00
76) Chrysene-d12	14.227	240	265340	20.000	ng	0.00
86) Perylene-d12	15.786	264	321342	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.663	112	661064	88.176	ng	0.00
7) Phenol-d6	6.651	99	811813	87.904	ng	0.00
23) Nitrobenzene-d5	7.598	82	483829	57.939	ng	-0.01
42) 2,4,6-Tribromophenol	10.875	330	245250	87.870	ng	0.00
45) 2-Fluorobiphenyl	9.398	172	1023421	56.952	ng	0.00
79) Terphenyl-d14	13.163	244	950573	52.798	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.598	70	63370	12.213	ng	# 75
25) Isophorone	7.598	82	483824	33.383	ng	# 64
51) 2,6-Dinitrotoluene	10.081	165	36307	9.113	ng	# 29
57) 2,4-Dinitrotoluene	10.081	165	36307	7.050	ng	# 33
67) 4-Bromophenyl-phenylether	10.875	248	16484	3.234	ng	# 1
71) Phenanthrene	11.598	178	106642	4.655	ng	99
75) Fluoranthene	12.792	202	168495	7.246	ng	100
77) Benzidine	13.163	184	11574	3.338	ng	# 93
78) Pyrene	13.027	202	169388	7.299	ng	99
81) Benzo(a)anthracene	14.216	228	68374	4.073	ng	95
83) Chrysene	14.251	228	58920	3.670	ng	98
88) Benzo(b)fluoranthene	15.315	252	93573	5.029	ng	99
89) Benzo(k)fluoranthene	15.315	252	93573	5.119	ng	99
90) Benzo(a)pyrene	15.715	252	58492	3.682	ng	98

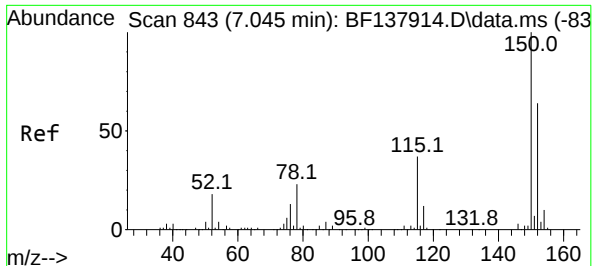
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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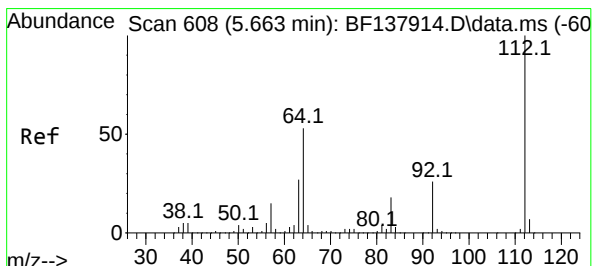
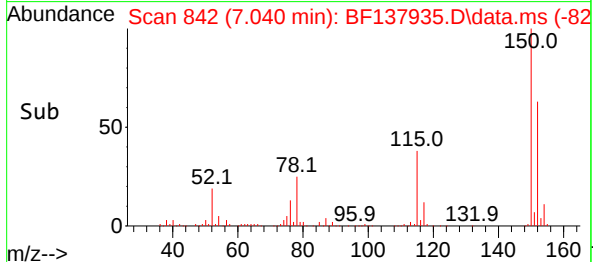
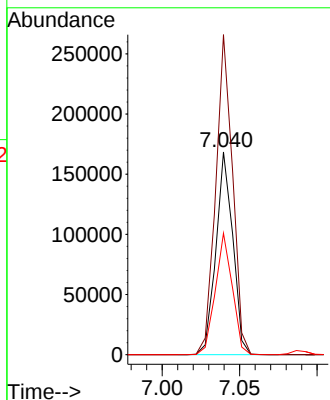
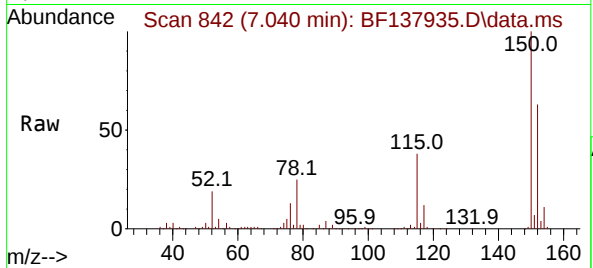




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.040 min Scan# 843
Delta R.T. -0.005 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48

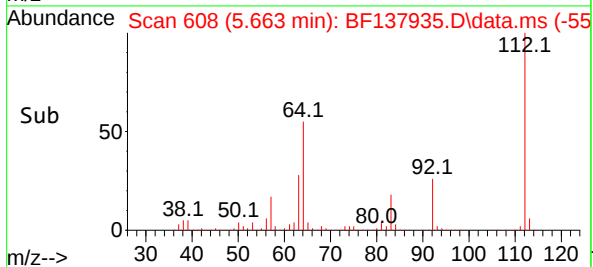
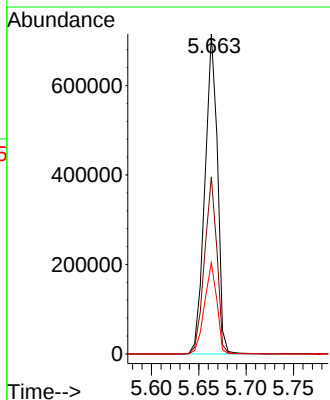
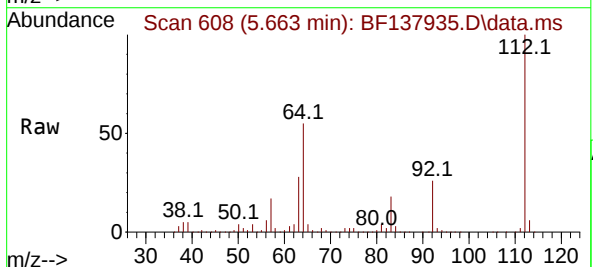
Instrument :
BNA_F
ClientSampleId :
TP-13

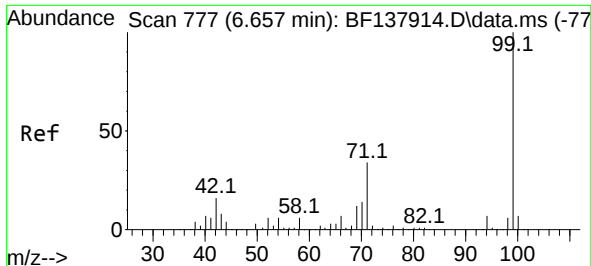
Tgt Ion:152 Resp: 127349
Ion Ratio Lower Upper
152 100
150 157.8 125.7 188.5
115 59.9 47.0 70.6



#5
2-Fluorophenol
Concen: 88.176 ng
RT: 5.663 min Scan# 608
Delta R.T. 0.000 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48

Tgt Ion:112 Resp: 661064
Ion Ratio Lower Upper
112 100
64 55.3 42.4 63.6
63 28.5 21.4 32.2





#7

Phenol-d6

Concen: 87.904 ng

RT: 6.651 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF137935.D

Acq: 17 May 2024 16:48

Instrument :

BNA_F

ClientSampleId :

TP-13

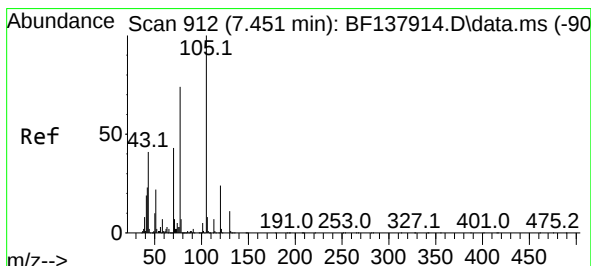
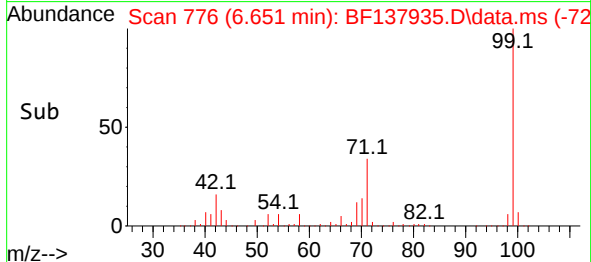
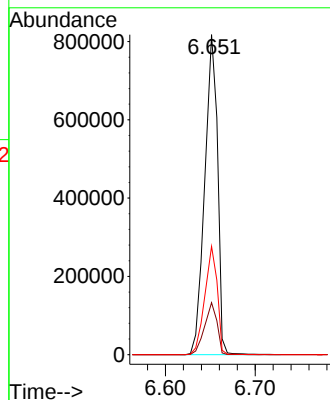
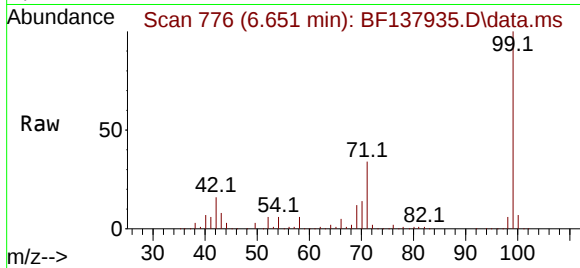
Tgt Ion: 99 Resp: 811813

Ion Ratio Lower Upper

99 100

42 16.3 12.6 18.8

71 33.9 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.213 ng

RT: 7.598 min Scan# 937

Delta R.T. 0.147 min

Lab File: BF137935.D

Acq: 17 May 2024 16:48

Tgt Ion: 70 Resp: 63370

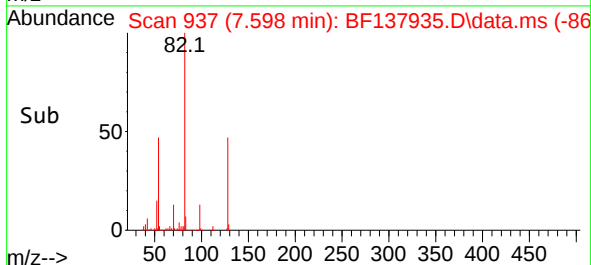
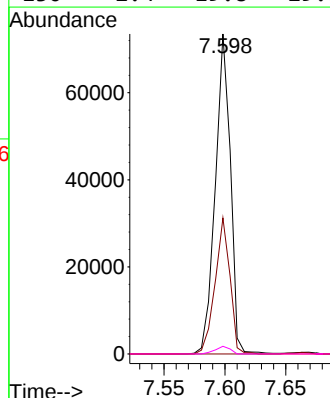
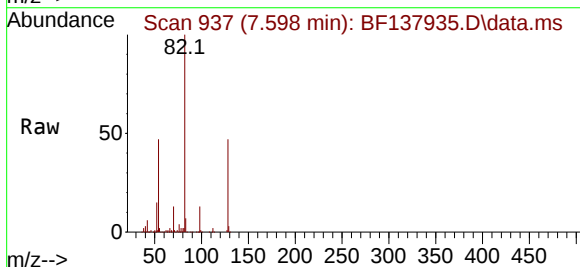
Ion Ratio Lower Upper

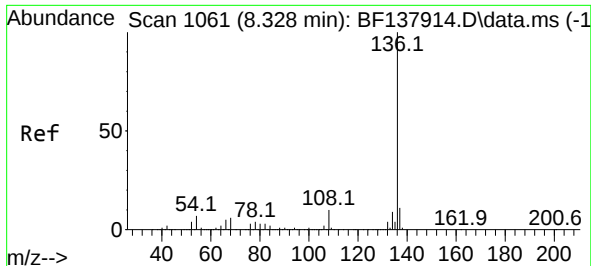
70 100

42 42.5 42.2 63.4

101 0.0 8.8 13.2#

130 2.4 19.8 29.8#



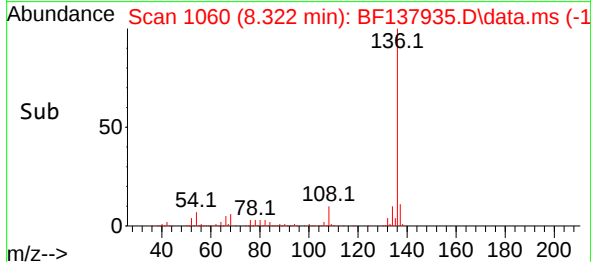
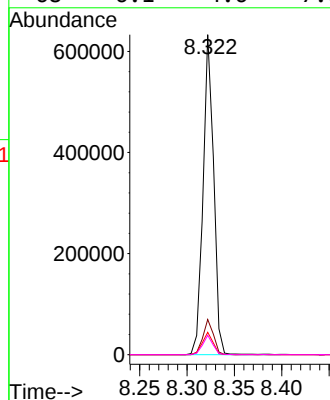
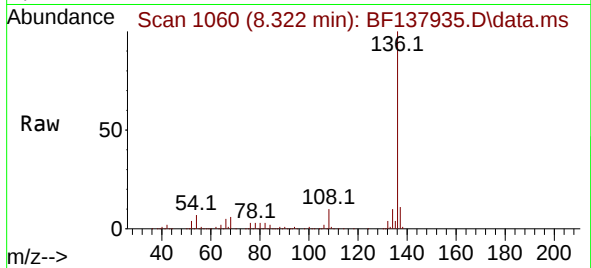


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.322 min Scan# 1061
Delta R.T. -0.006 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48

Instrument :
BNA_F
ClientSampleId :
TP-13

Tgt Ion:136 Resp: 491444

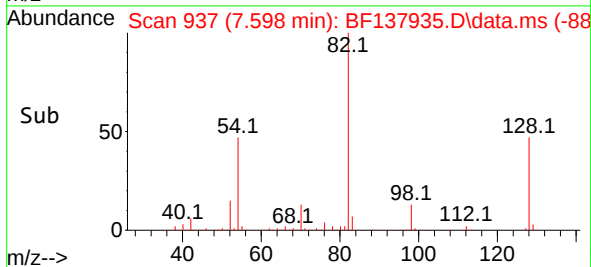
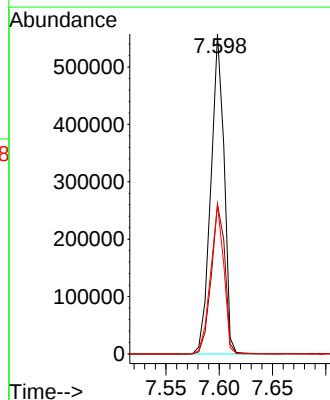
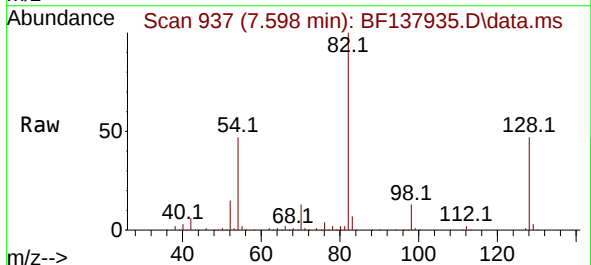
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	7.0	5.4	8.2
68	6.1	4.6	7.0



#23
Nitrobenzene-d5
Concen: 57.939 ng
RT: 7.598 min Scan# 937
Delta R.T. -0.012 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48

Tgt Ion: 82 Resp: 483829

Ion	Ratio	Lower	Upper
82	100		
128	46.8	40.3	60.5
54	46.7	36.8	55.2

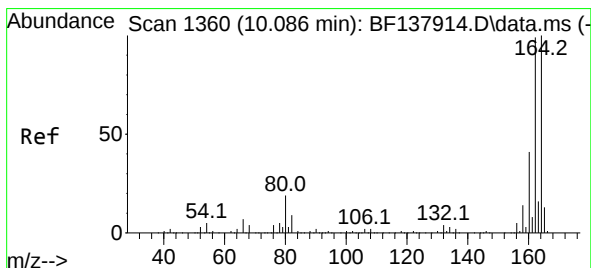
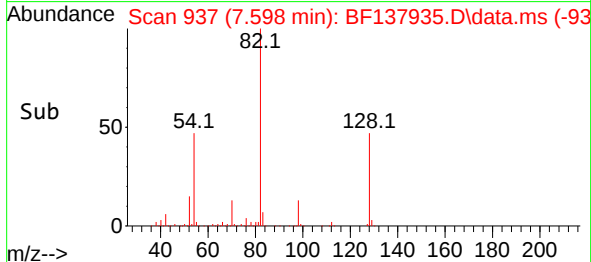
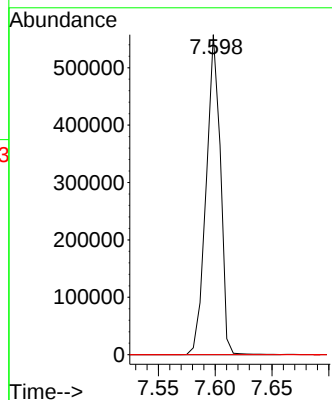
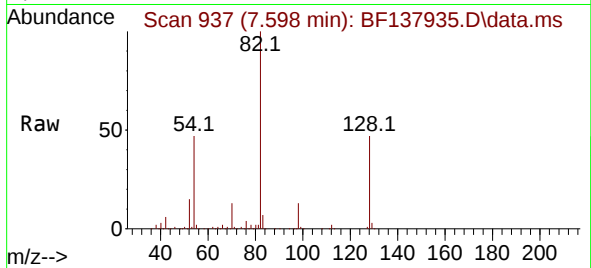




#25
Isophorone
Concen: 33.383 ng
RT: 7.598 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48

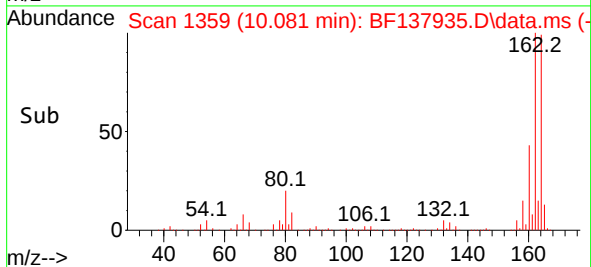
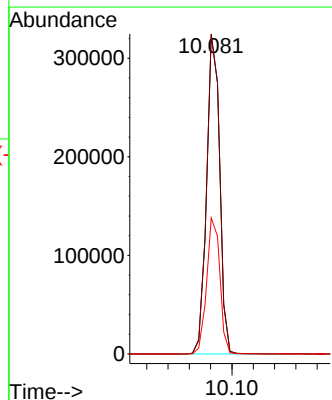
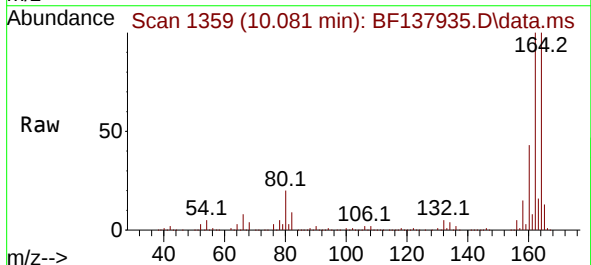
Instrument :
BNA_F
ClientSampleId :
TP-13

Tgt Ion: 82 Resp: 483824
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.0 22.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.005 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48

Tgt Ion:164 Resp: 276807
Ion Ratio Lower Upper
164 100
162 100.5 79.4 119.2
160 42.8 33.1 49.7





#42

2,4,6-Tribromophenol

Concen: 87.870 ng

RT: 10.875 min Scan# 1494

Delta R.T. -0.006 min

Lab File: BF137935.D

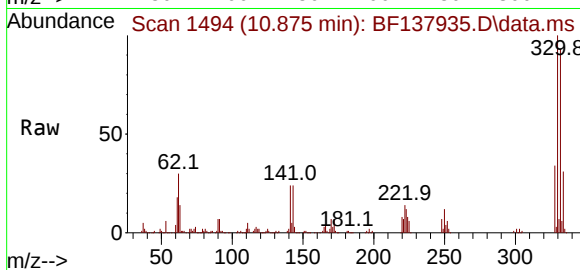
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Instrument :

BNA_F

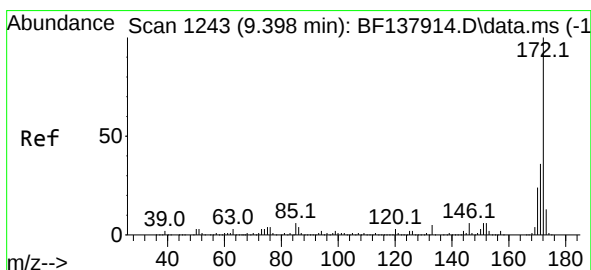
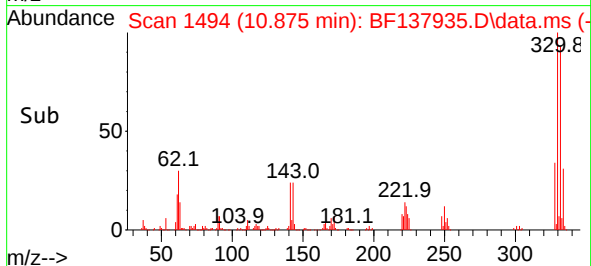
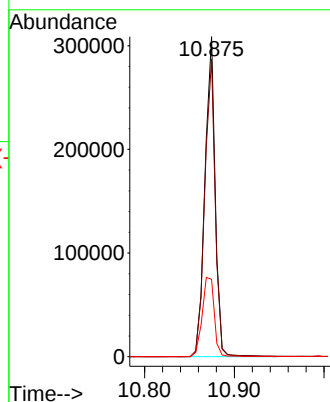
ClientSampleId :

TP-13



Tgt Ion:330 Resp: 245250

Ion	Ratio	Lower	Upper
330	100		
332	95.0	75.8	113.8
141	29.2	23.8	35.6



#45

2-Fluorobiphenyl

Concen: 56.952 ng

RT: 9.398 min Scan# 1243

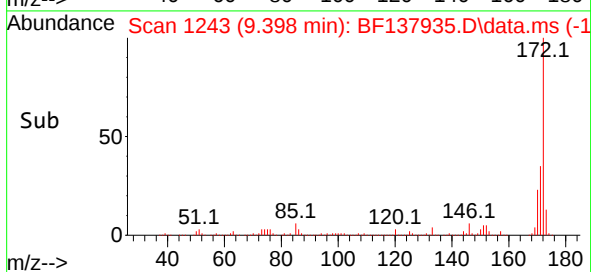
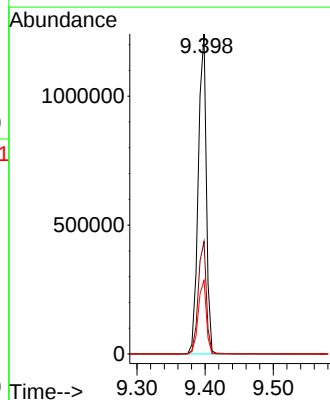
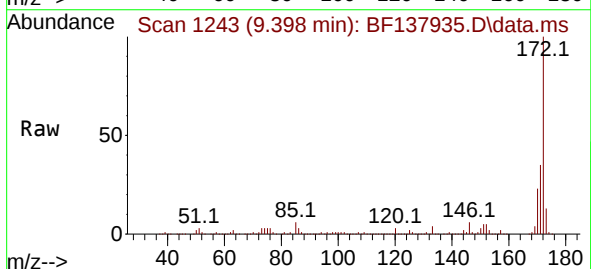
Delta R.T. 0.000 min

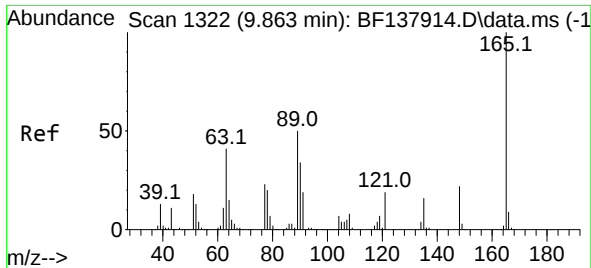
Lab File: BF137935.D

Acq: 17 May 2024 16:48

Tgt Ion:172 Resp: 1023421

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.9	43.3
170	23.0	18.9	28.3

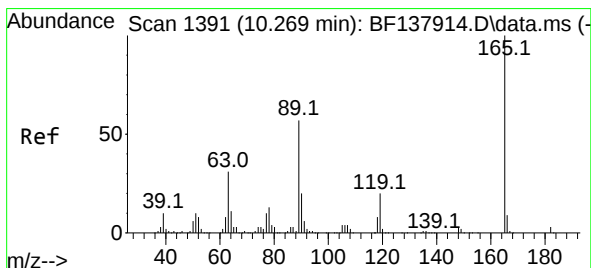
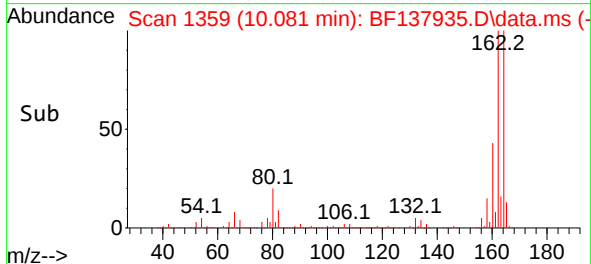
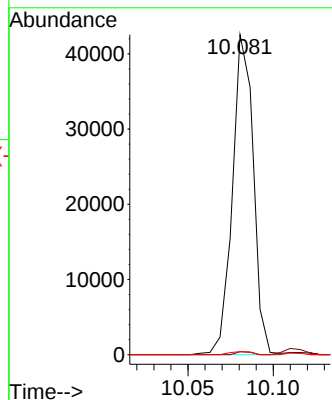
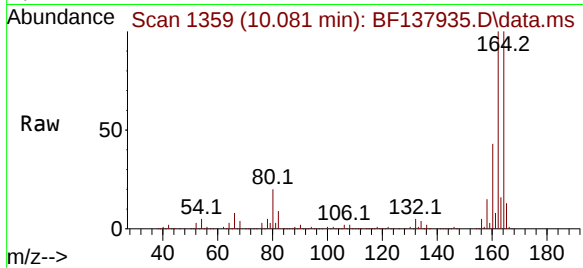




#51
2,6-Dinitrotoluene
Concen: 9.113 ng
RT: 10.081 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48

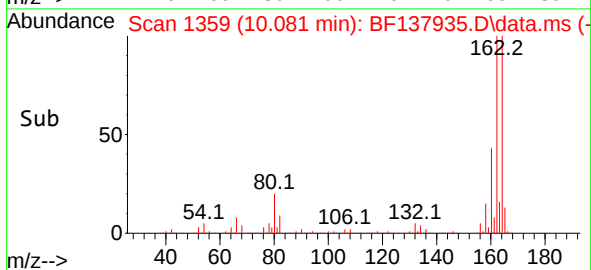
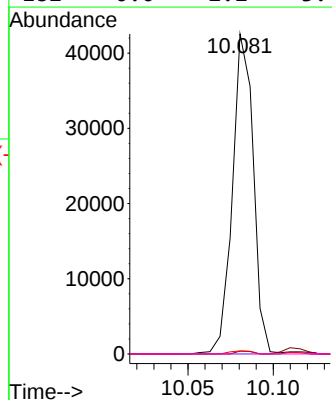
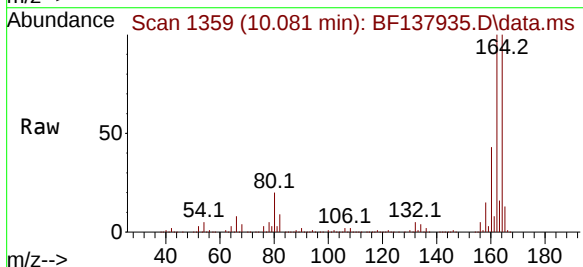
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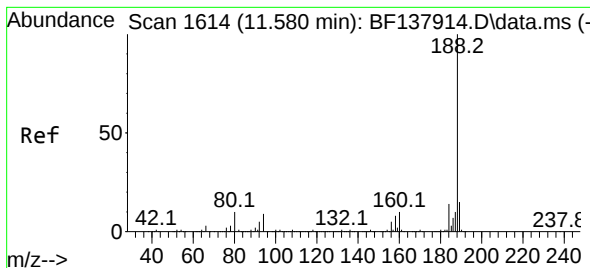
Tgt Ion:165 Resp: 36307
Ion Ratio Lower Upper
165 100
63 0.9 38.9 58.3#
89 0.9 40.4 60.6#



#57
2,4-Dinitrotoluene
Concen: 7.050 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.188 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48

Tgt Ion:165 Resp: 36307
Ion Ratio Lower Upper
165 100
63 0.9 25.3 37.9#
89 0.9 45.9 68.9#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.575 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137935.D

Acq: 17 May 2024 16:48

Instrument :

BNA_F

ClientSampleId :

TP-13

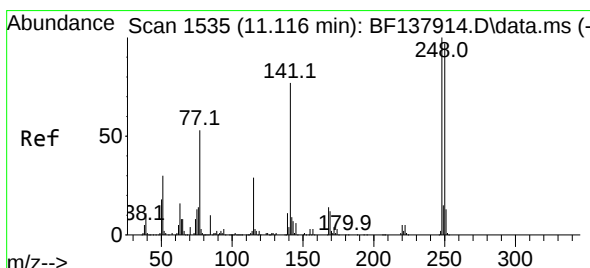
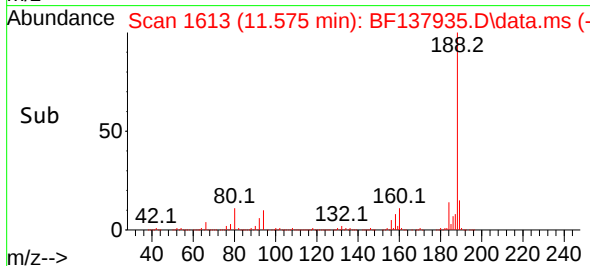
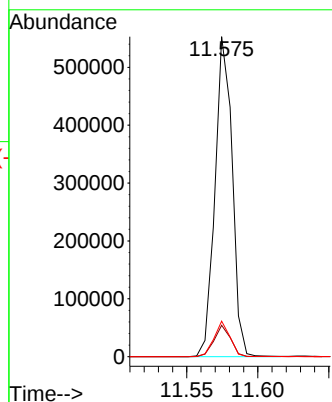
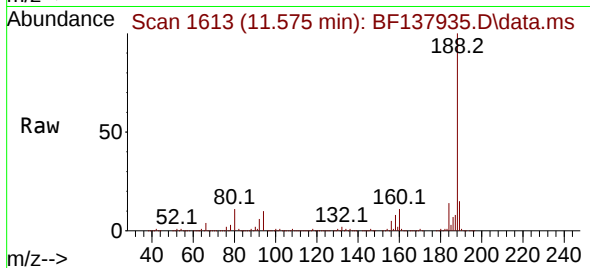
Tgt Ion:188 Resp: 464883

Ion Ratio Lower Upper

188 100

94 9.8 7.0 10.4

80 11.1 7.7 11.5



#67

4-Bromophenyl-phenylether

Concen: 3.234 ng

RT: 10.875 min Scan# 1494

Delta R.T. -0.241 min

Lab File: BF137935.D

Acq: 17 May 2024 16:48

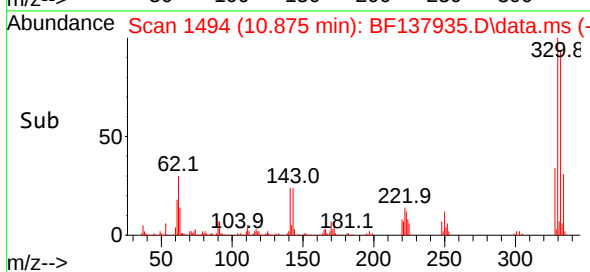
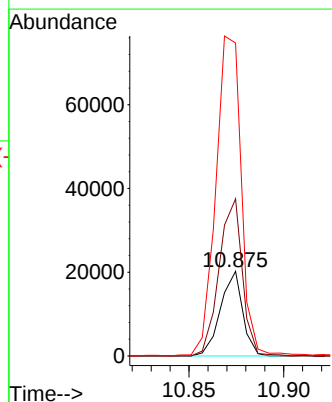
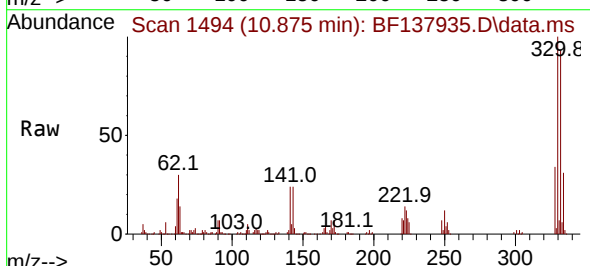
Tgt Ion:248 Resp: 16484

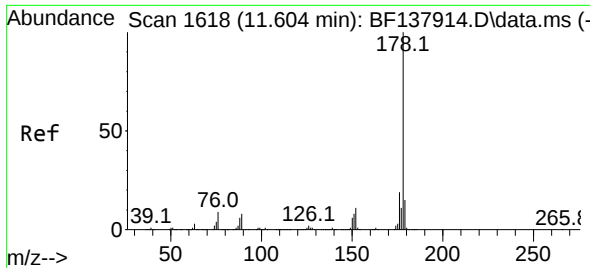
Ion Ratio Lower Upper

248 100

250 185.7 77.6 116.4#

141 369.8 61.4 92.2#

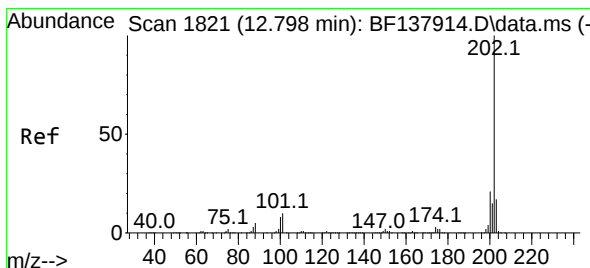
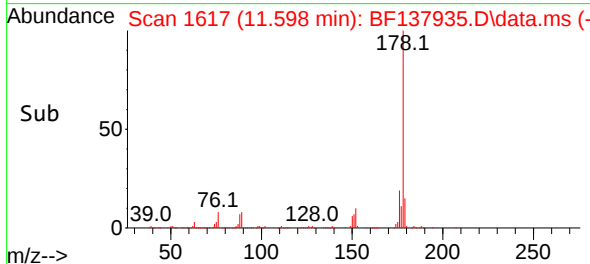
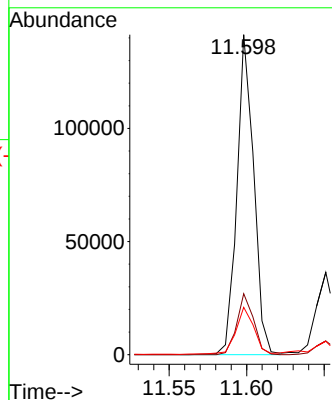
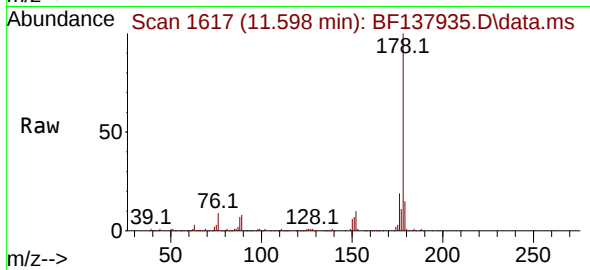




#71
Phenanthrene
Concen: 4.655 ng
RT: 11.598 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48

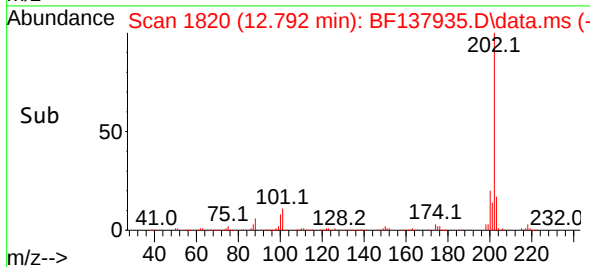
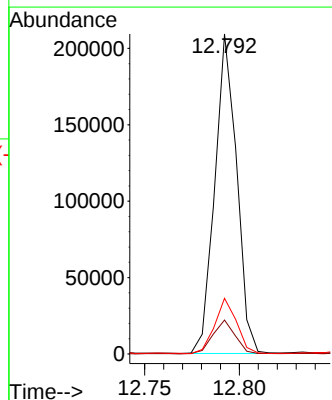
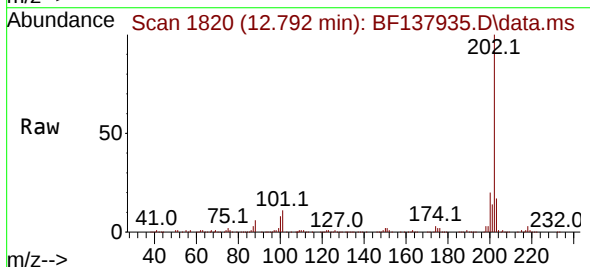
Instrument :
BNA_F
ClientSampleId :
TP-13

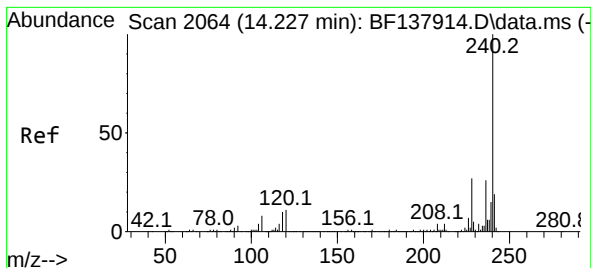
Tgt Ion:178 Resp: 106642
Ion Ratio Lower Upper
178 100
176 19.1 15.2 22.8
179 14.8 12.2 18.4



#75
Fluoranthene
Concen: 7.246 ng
RT: 12.792 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF137935.D
Acq: 17 May 2024 16:48

Tgt Ion:202 Resp: 168495
Ion Ratio Lower Upper
202 100
101 10.6 0.0 30.5
203 17.4 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.227 min Scan# 2064

Delta R.T. 0.000 min

Lab File: BF137935.D

Acq: 17 May 2024 16:48

Instrument :

BNA_F

ClientSampleId :

TP-13

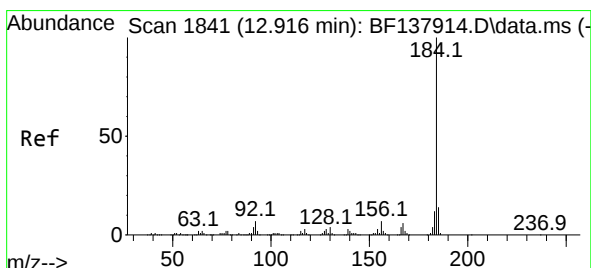
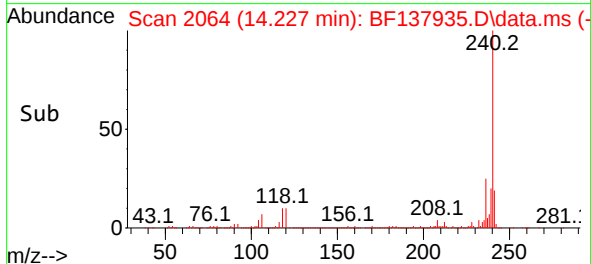
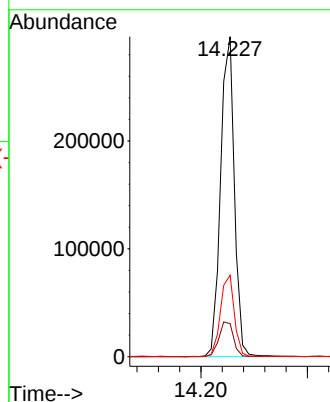
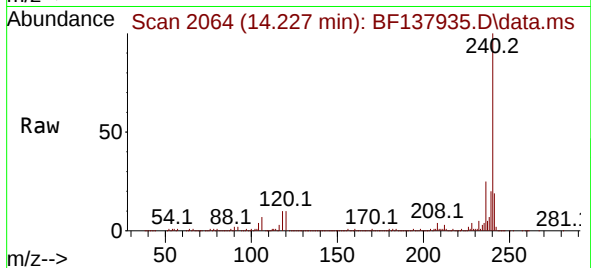
Tgt Ion:240 Resp: 265340

Ion Ratio Lower Upper

240 100

120 10.4 8.9 13.3

236 25.5 21.0 31.4



#77

Benzidine

Concen: 3.338 ng

RT: 13.163 min Scan# 1883

Delta R.T. 0.247 min

Lab File: BF137935.D

Acq: 17 May 2024 16:48

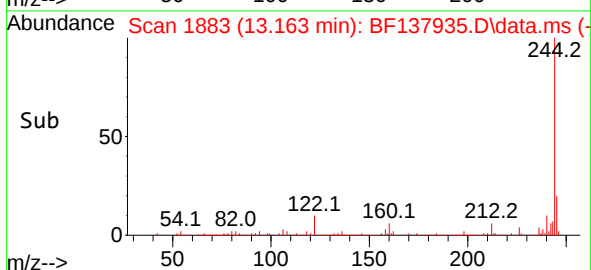
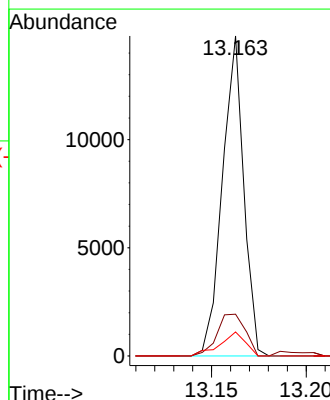
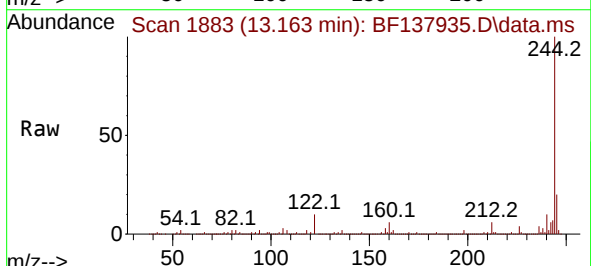
Tgt Ion:184 Resp: 11574

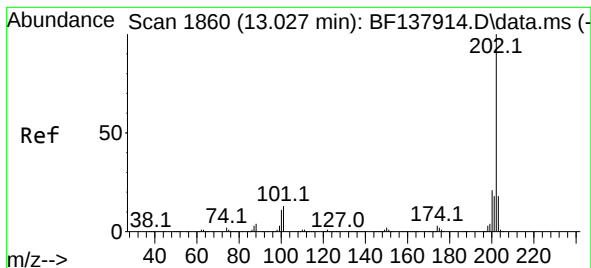
Ion Ratio Lower Upper

184 100

185 13.1 11.4 17.2

183 7.5 9.5 14.3#





#78

Pyrene

Concen: 7.299 ng

RT: 13.027 min Scan# 1860

Delta R.T. 0.000 min

Lab File: BF137935.D

Acq: 17 May 2024 16:48

Instrument :

BNA_F

ClientSampleId :

TP-13

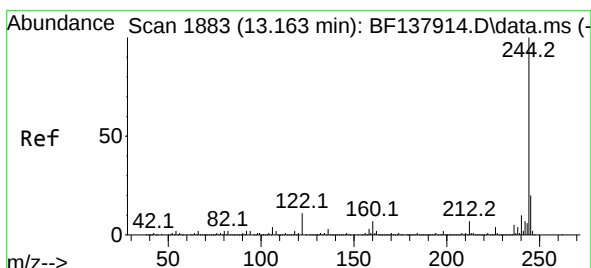
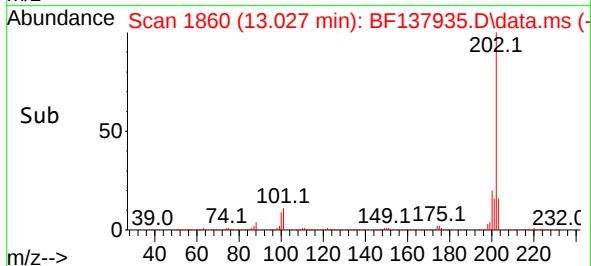
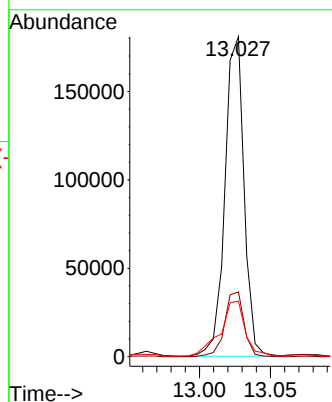
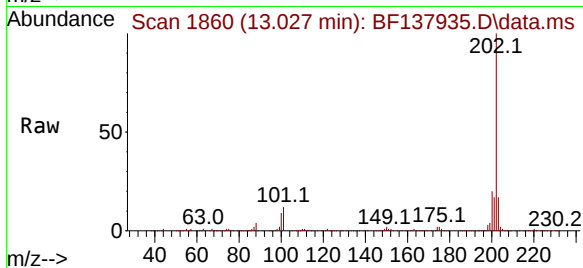
Tgt Ion:202 Resp: 169388

Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.4

203 17.3 14.1 21.1



#79

Terphenyl-d14

Concen: 52.798 ng

RT: 13.163 min Scan# 1883

Delta R.T. 0.000 min

Lab File: BF137935.D

Acq: 17 May 2024 16:48

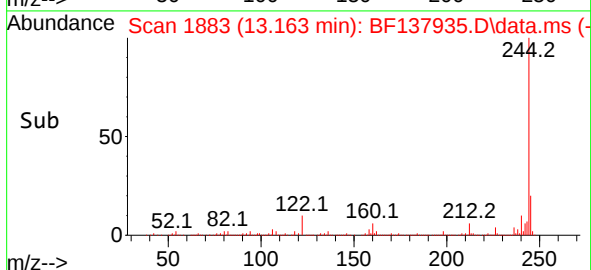
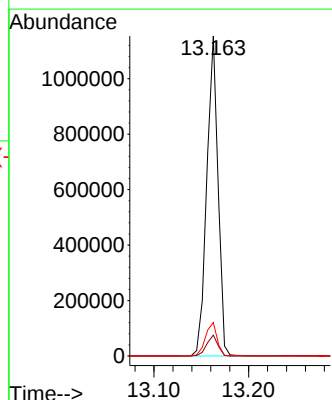
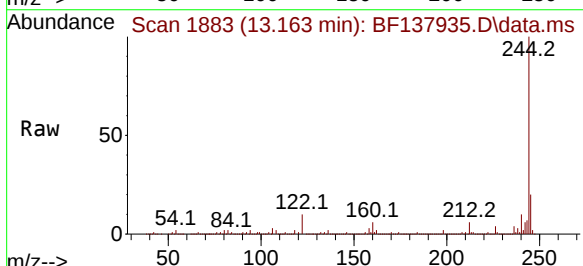
Tgt Ion:244 Resp: 950573

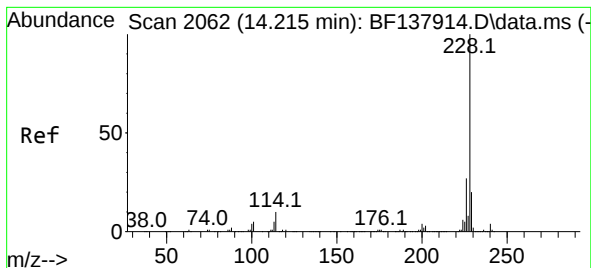
Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

122 10.4 8.8 13.2





#81

Benzo(a)anthracene

Concen: 4.073 ng

RT: 14.216 min Scan# 2062

Delta R.T. 0.000 min

Lab File: BF137935.D

Acq: 17 May 2024 16:48

Instrument :

BNA_F

ClientSampleId :

TP-13

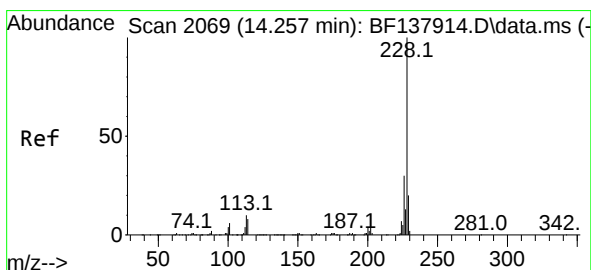
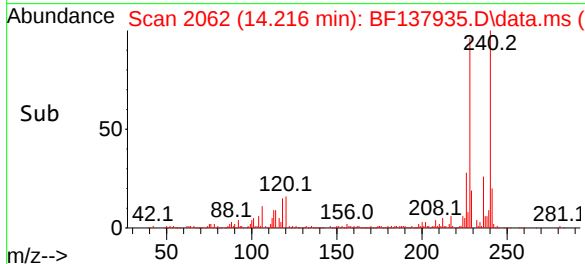
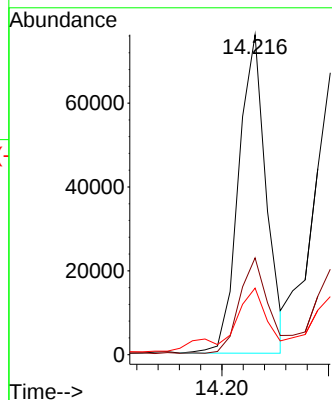
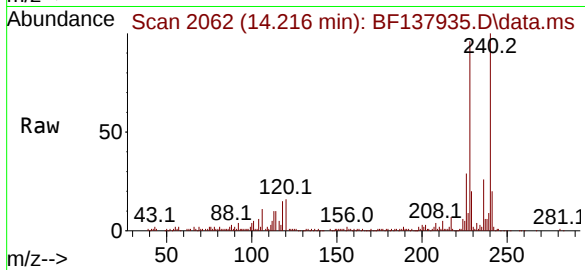
Tgt Ion:228 Resp: 68374

Ion Ratio Lower Upper

228 100

226 30.3 21.3 31.9

229 20.8 15.7 23.5



#83

Chrysene

Concen: 3.670 ng

RT: 14.251 min Scan# 2068

Delta R.T. -0.006 min

Lab File: BF137935.D

Acq: 17 May 2024 16:48

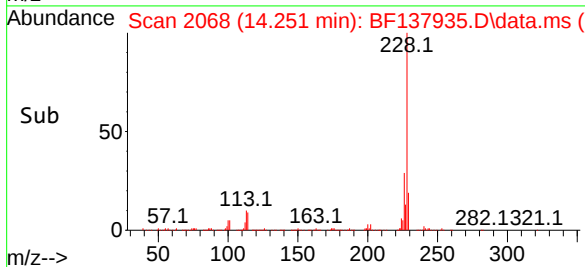
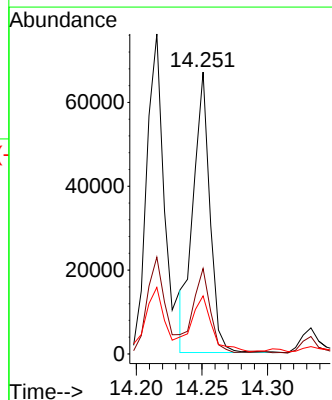
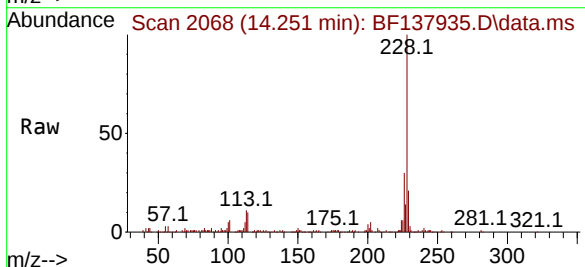
Tgt Ion:228 Resp: 58920

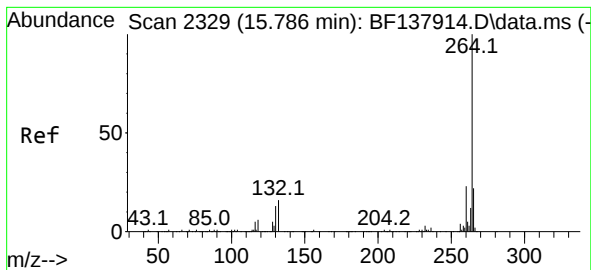
Ion Ratio Lower Upper

228 100

226 30.3 23.8 35.8

229 20.6 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.786 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF137935.D

Acq: 17 May 2024 16:48

Instrument :

BNA_F

ClientSampleId :

TP-13

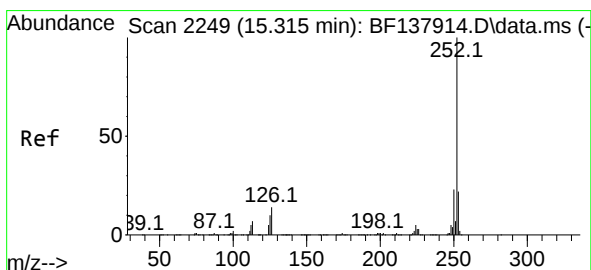
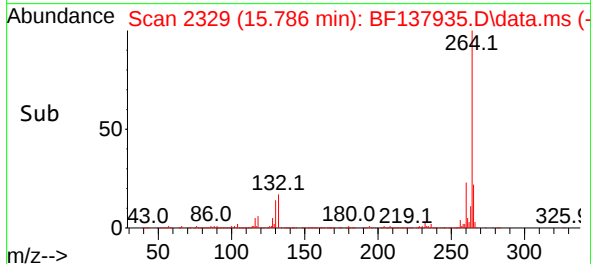
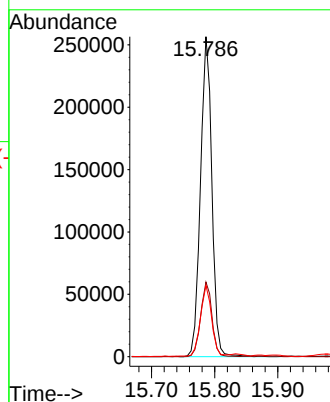
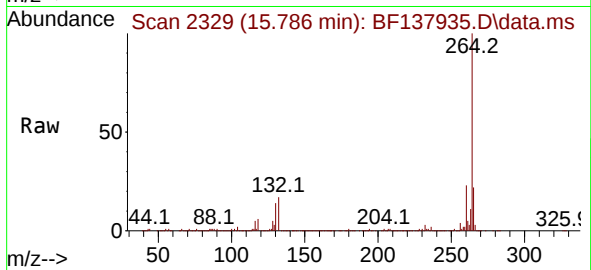
Tgt Ion:264 Resp: 321342

Ion Ratio Lower Upper

264 100

260 23.3 18.3 27.5

265 22.3 17.6 26.4



#88

Benzo(b)fluoranthene

Concen: 5.029 ng

RT: 15.315 min Scan# 2249

Delta R.T. 0.000 min

Lab File: BF137935.D

Acq: 17 May 2024 16:48

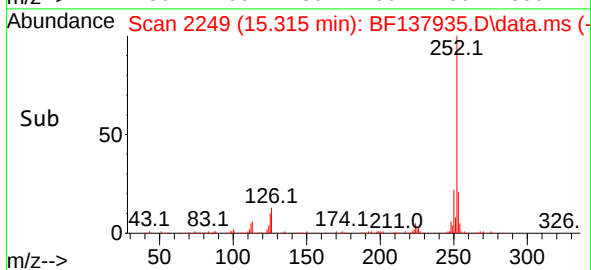
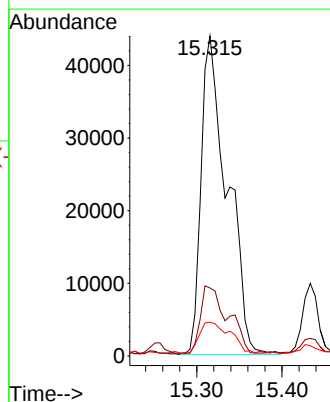
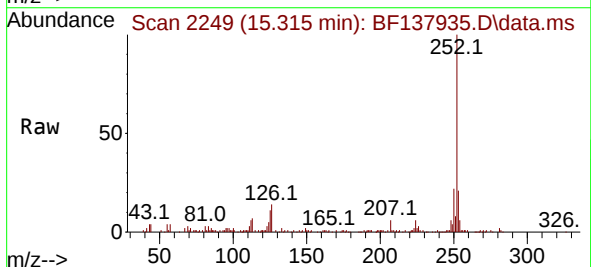
Tgt Ion:252 Resp: 93573

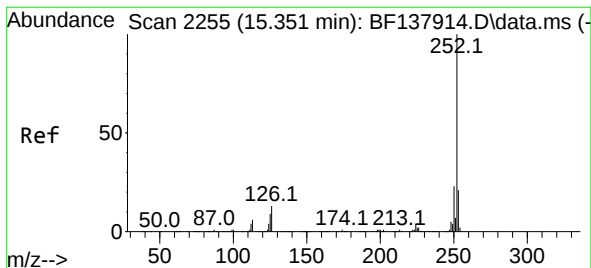
Ion Ratio Lower Upper

252 100

253 21.2 17.6 26.4

125 10.5 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 5.119 ng

RT: 15.315 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF137935.D

Acq: 17 May 2024 16:48

Instrument :

BNA_F

ClientSampleId :

TP-13

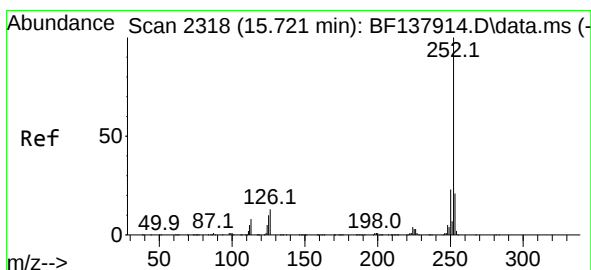
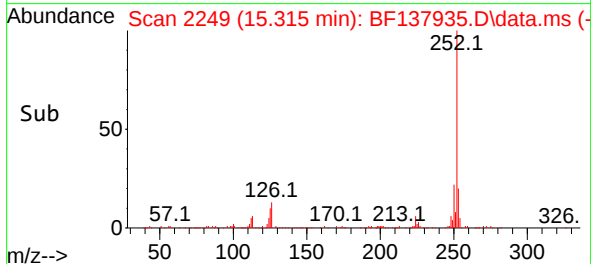
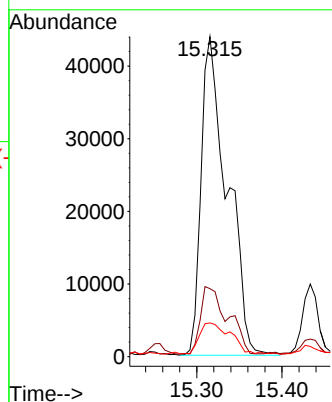
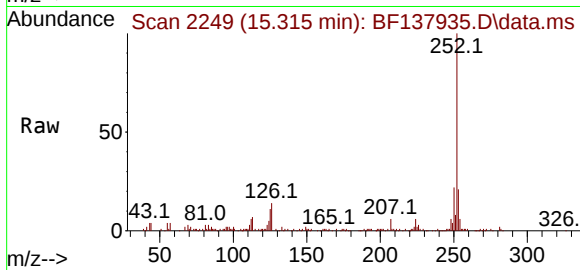
Tgt Ion:252 Resp: 93573

Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.0

125 10.5 7.7 11.5



#90

Benzo(a)pyrene

Concen: 3.682 ng

RT: 15.715 min Scan# 2317

Delta R.T. -0.006 min

Lab File: BF137935.D

Acq: 17 May 2024 16:48

Tgt Ion:252 Resp: 58492

Ion Ratio Lower Upper

252 100

253 21.1 17.0 25.6

125 11.4 7.8 11.8

