

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042624\
 Data File : BF137743.D
 Acq On : 26 Apr 2024 19:29
 Operator : CG\JU
 Sample : P2270-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

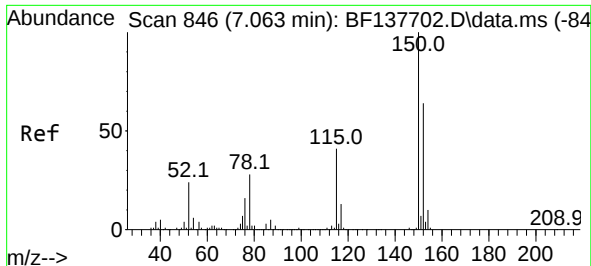
Instrument :
 BNA_F
 ClientSampleId :
 72-11936

Quant Time: Apr 26 23:03:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 03:57:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.057	152	312491	20.000	ng	0.00
21) Naphthalene-d8	8.345	136	1213187	20.000	ng	0.00
39) Acenaphthene-d10	10.104	164	646653	20.000	ng	-0.01
64) Phenanthrene-d10	11.598	188	949774	20.000	ng	0.00
76) Chrysene-d12	14.251	240	541107	20.000	ng	# 0.00
86) Perylene-d12	15.821	264	563364	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	1778362	86.447	ng	0.00
7) Phenol-d6	6.669	99	2236471	85.611	ng	0.00
23) Nitrobenzene-d5	7.622	82	1364080	59.686	ng	0.00
42) 2,4,6-Tribromophenol	10.898	330	543606	83.309	ng	0.00
45) 2-Fluorobiphenyl	9.422	172	2601136	60.104	ng	0.00
79) Terphenyl-d14	13.186	244	2063869	61.391	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.622	70	182432	10.800	ng	# 77
25) Isophorone	7.622	82	1360702	32.057	ng	# 64
51) 2,6-Dinitrotoluene	10.104	165	84971	8.951	ng	# 22
57) 2,4-Dinitrotoluene	10.104	165	84971	7.100	ng	# 24
67) 4-Bromophenyl-phenylether	10.898	248	35734	3.247	ng	# 1
75) Fluoranthene	12.816	202	118280	2.238	ng	99
77) Benzidine	13.186	184	25884	2.048	ng	# 90
78) Pyrene	13.045	202	92377	2.080	ng	99
88) Benzo(b)fluoranthene	15.345	252	101863	2.826	ng	98
89) Benzo(k)fluoranthene	15.345	252	101863	2.874	ng	98

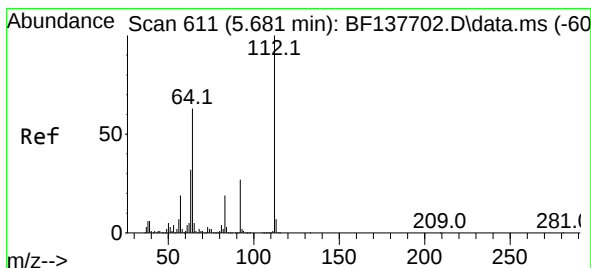
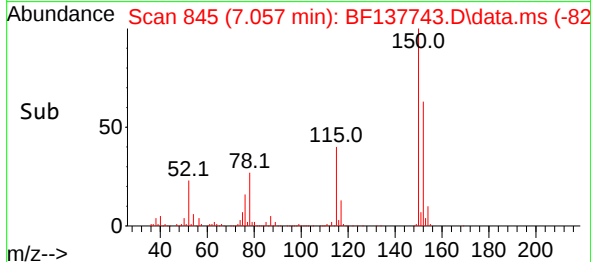
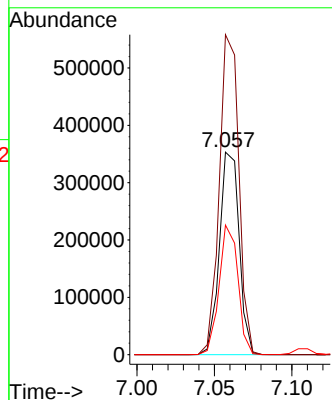
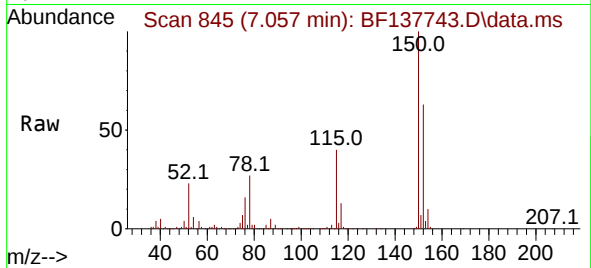
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.057 min Scan# 846
Delta R.T. -0.006 min
Lab File: BF137743.D
Acq: 26 Apr 2024 19:29

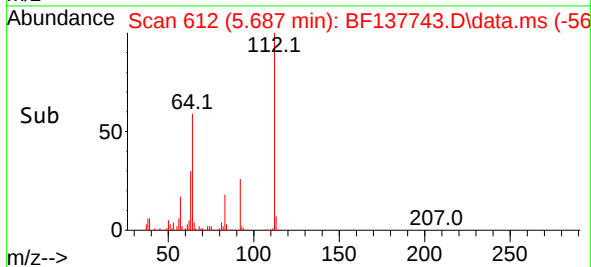
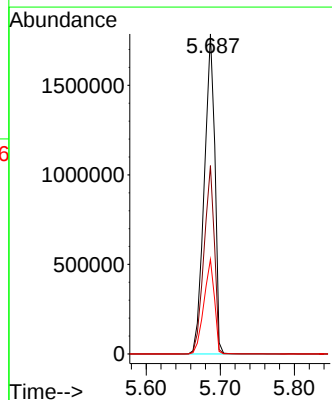
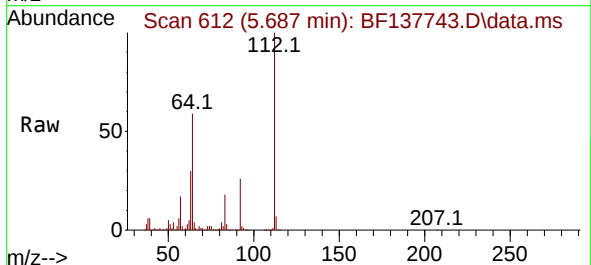
Instrument :
BNA_F
ClientSampleId :
72-11936

Tgt Ion:152 Resp: 312491
Ion Ratio Lower Upper
152 100
150 157.9 124.2 186.4
115 64.0 50.8 76.2



#5
2-Fluorophenol
Concen: 86.447 ng
RT: 5.687 min Scan# 612
Delta R.T. 0.006 min
Lab File: BF137743.D
Acq: 26 Apr 2024 19:29

Tgt Ion:112 Resp: 1778362
Ion Ratio Lower Upper
112 100
64 58.9 50.1 75.1
63 29.6 25.2 37.8

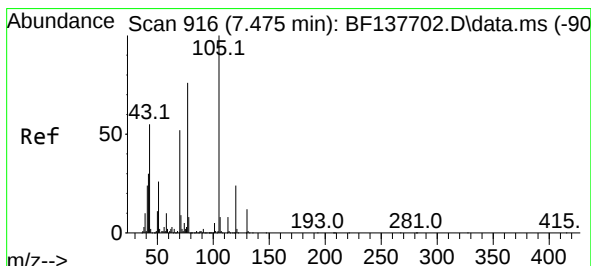
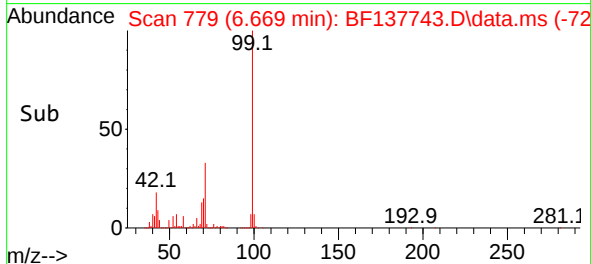
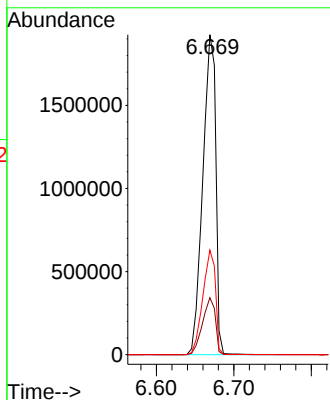
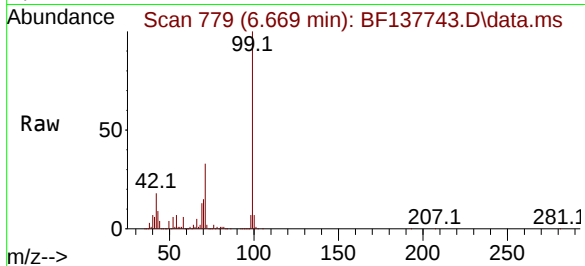




#7
Phenol-d6
Concen: 85.611 ng
RT: 6.669 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137743.D
Acq: 26 Apr 2024 19:29

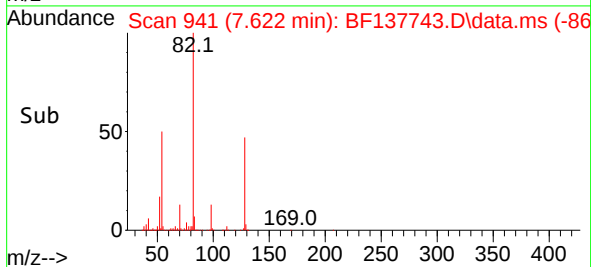
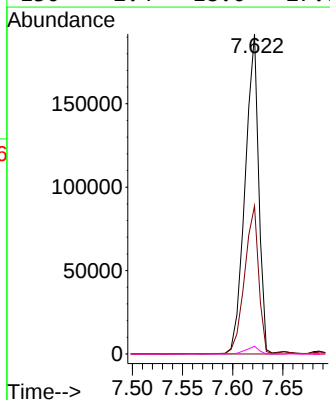
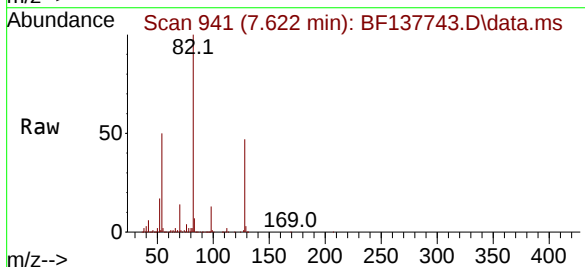
Instrument :
BNA_F
ClientSampleId :
72-11936

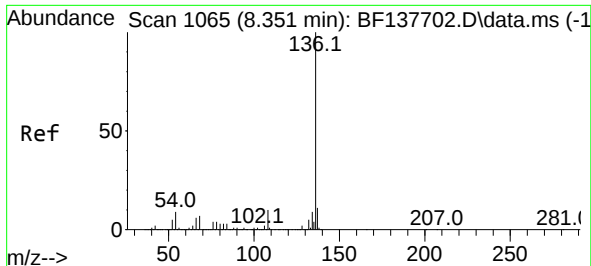
Tgt Ion: 99 Resp: 2236471
Ion Ratio Lower Upper
99 100
42 17.8 15.0 22.4
71 32.6 25.7 38.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.800 ng
RT: 7.622 min Scan# 941
Delta R.T. 0.147 min
Lab File: BF137743.D
Acq: 26 Apr 2024 19:29

Tgt Ion: 70 Resp: 182432
Ion Ratio Lower Upper
70 100
42 46.2 45.9 68.9
101 0.0 8.0 12.0#
130 2.4 18.0 27.0#

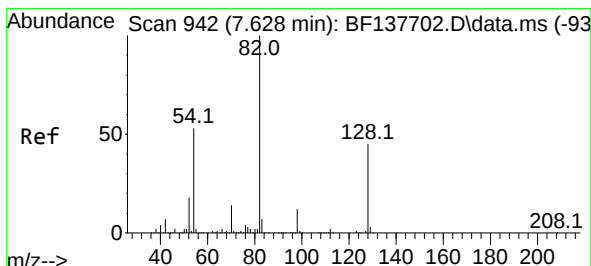
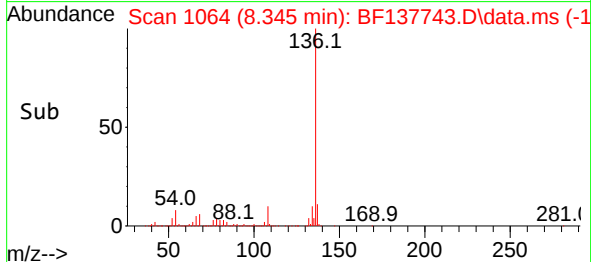
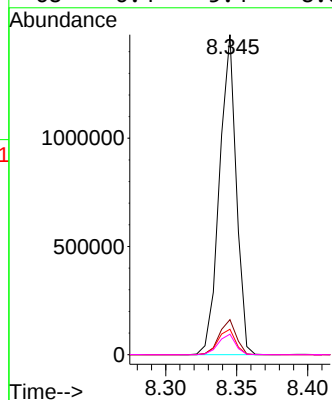
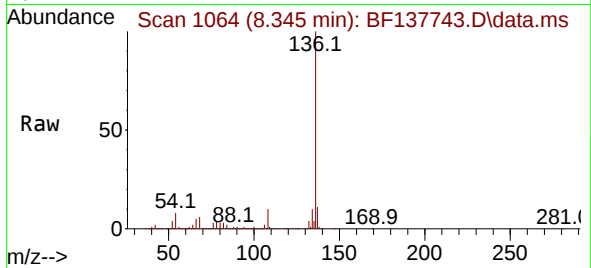




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.345 min Scan# 1064
Delta R.T. -0.006 min
Lab File: BF137743.D
Acq: 26 Apr 2024 19:29

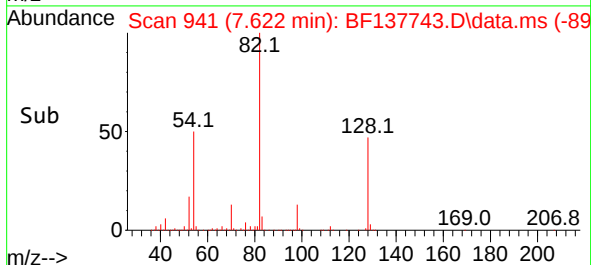
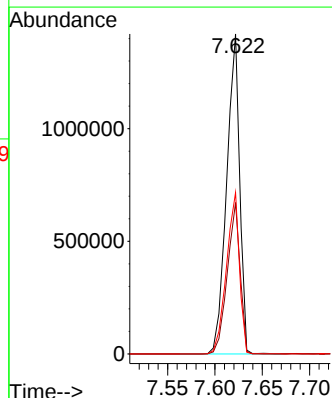
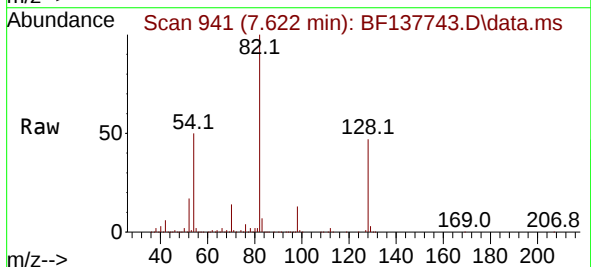
Instrument :
BNA_F
ClientSampleId :
72-11936

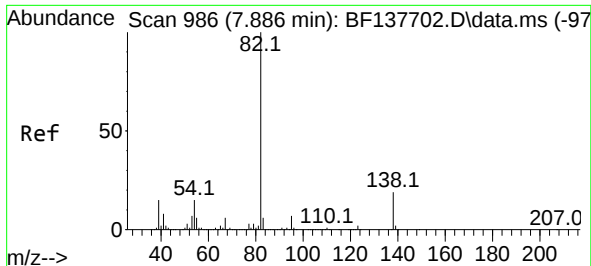
Tgt Ion:136 Resp: 1213187
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.9 6.9 10.3
68 6.4 5.4 8.0



#23
Nitrobenzene-d5
Concen: 59.686 ng
RT: 7.622 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF137743.D
Acq: 26 Apr 2024 19:29

Tgt Ion: 82 Resp: 1364080
Ion Ratio Lower Upper
82 100
128 47.3 35.8 53.6
54 50.4 42.5 63.7

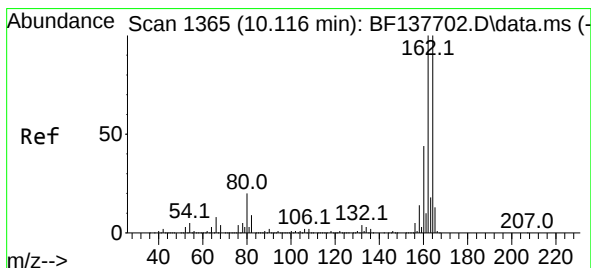
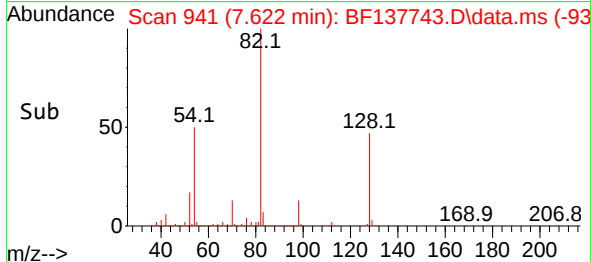
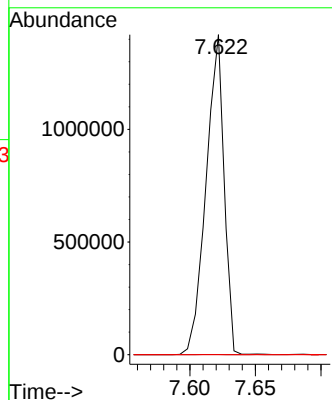
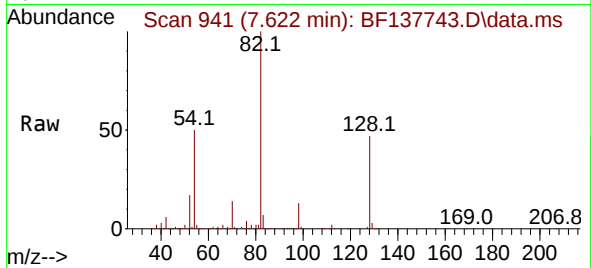




#25
Isophorone
Concen: 32.057 ng
RT: 7.622 min Scan# 941
Delta R.T. -0.265 min
Lab File: BF137743.D
Acq: 26 Apr 2024 19:29

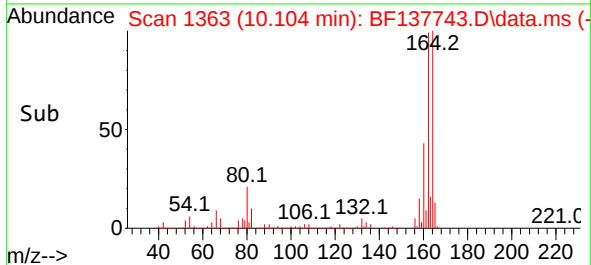
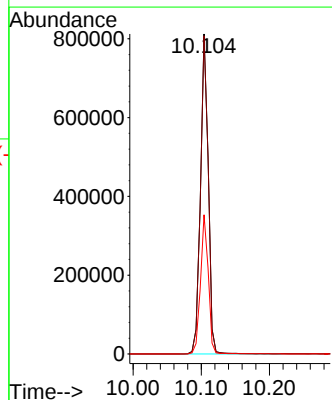
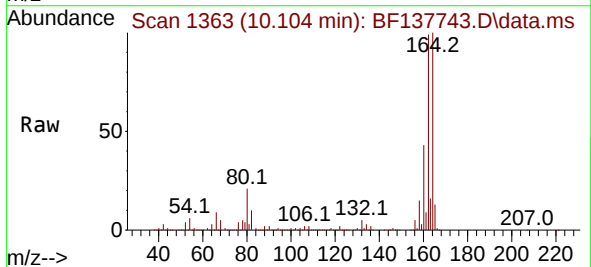
Instrument :
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ClientSampleId :
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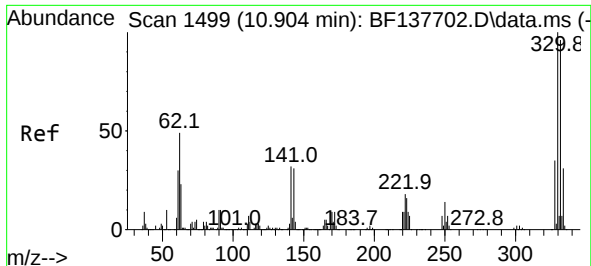
Tgt Ion: 82 Resp: 1360702
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 15.3 22.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF137743.D
Acq: 26 Apr 2024 19:29

Tgt Ion:164 Resp: 646653
Ion Ratio Lower Upper
164 100
162 99.5 80.3 120.5
160 43.5 35.0 52.4





#42

2,4,6-Tribromophenol

Concen: 83.309 ng

RT: 10.898 min Scan# 1499

Delta R.T. -0.006 min

Lab File: BF137743.D

Acq: 26 Apr 2024 19:29

Instrument :

BNA_F

ClientSampleId :

72-11936

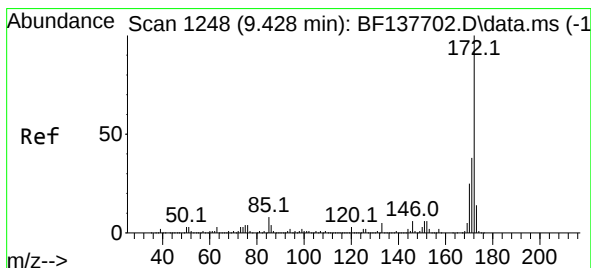
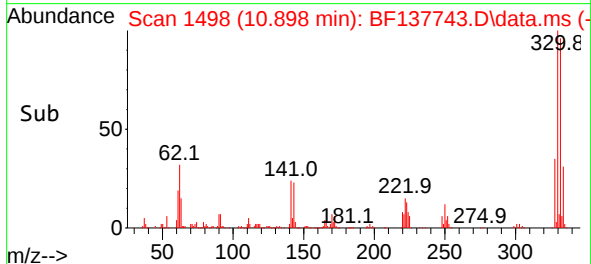
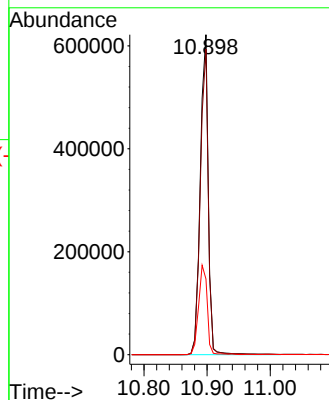
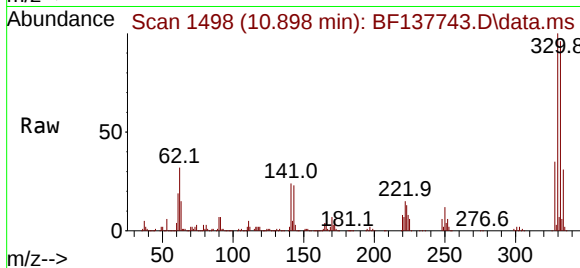
Tgt Ion:330 Resp: 543606

Ion Ratio Lower Upper

330 100

332 95.7 77.1 115.7

141 30.2 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 60.104 ng

RT: 9.422 min Scan# 1247

Delta R.T. -0.006 min

Lab File: BF137743.D

Acq: 26 Apr 2024 19:29

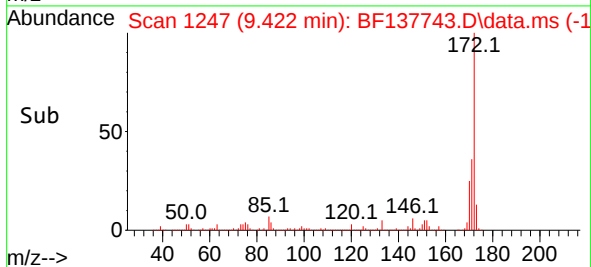
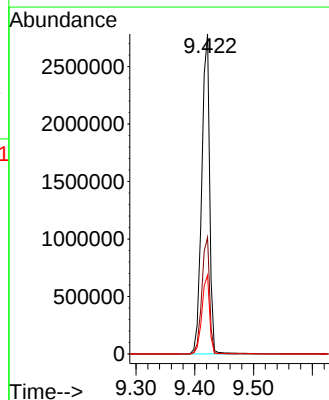
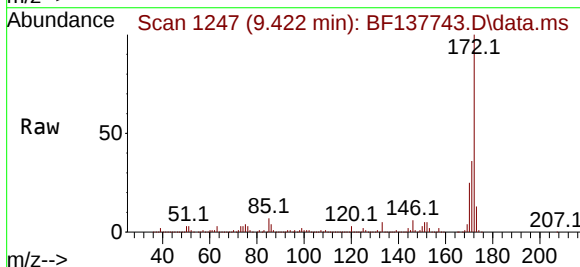
Tgt Ion:172 Resp: 2601136

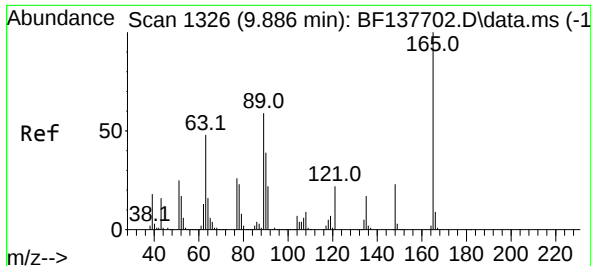
Ion Ratio Lower Upper

172 100

171 36.5 30.2 45.4

170 24.6 20.2 30.4





#51

2,6-Dinitrotoluene

Concen: 8.951 ng

RT: 10.104 min Scan# 1363

Delta R.T. 0.218 min

Lab File: BF137743.D

Acq: 26 Apr 2024 19:29

Instrument :

BNA_F

ClientSampleId :

72-11936

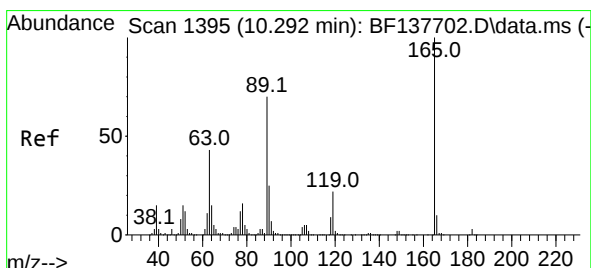
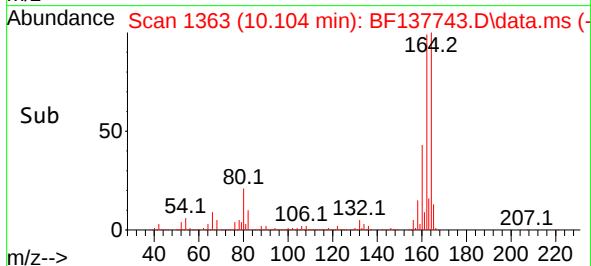
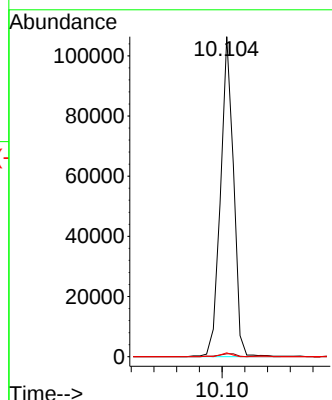
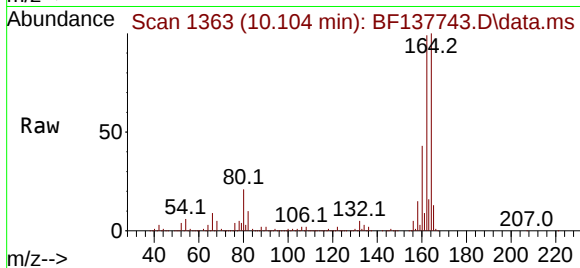
Tgt Ion:165 Resp: 84971

Ion Ratio Lower Upper

165 100

63 0.9 47.7 71.5#

89 1.2 47.3 70.9#



#57

2,4-Dinitrotoluene

Concen: 7.100 ng

RT: 10.104 min Scan# 1363

Delta R.T. -0.188 min

Lab File: BF137743.D

Acq: 26 Apr 2024 19:29

Tgt Ion:165 Resp: 84971

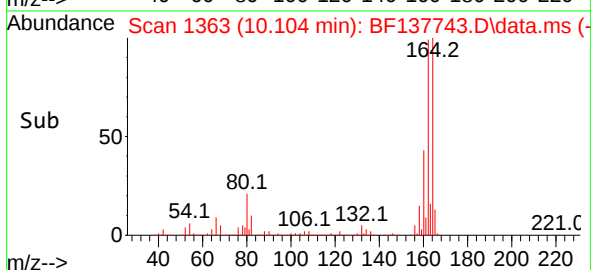
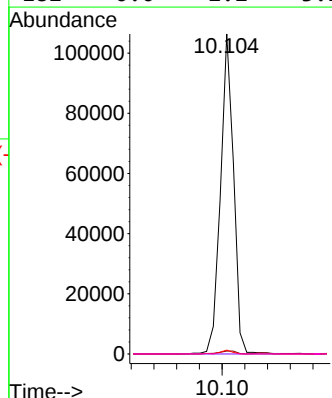
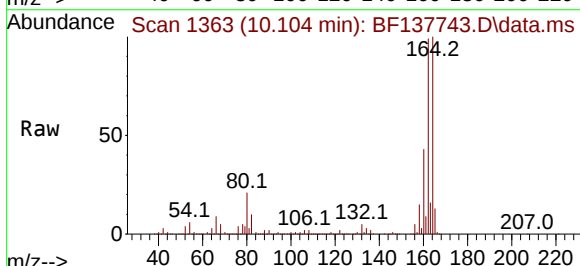
Ion Ratio Lower Upper

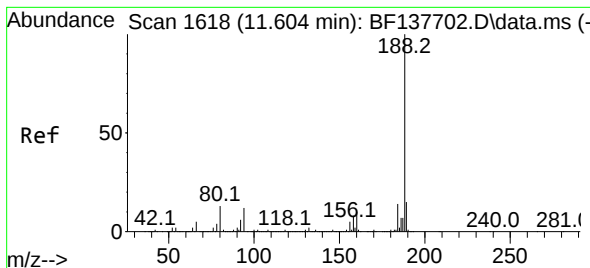
165 100

63 0.9 34.1 51.1#

89 1.2 56.4 84.6#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.598 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137743.D

Acq: 26 Apr 2024 19:29

Instrument :

BNA_F

ClientSampleId :

72-11936

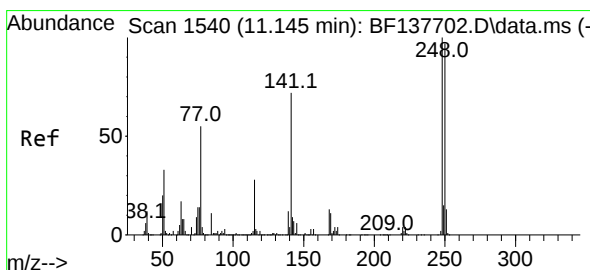
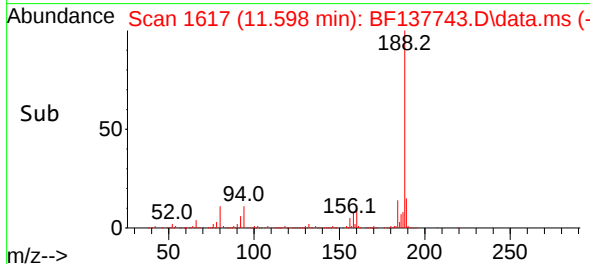
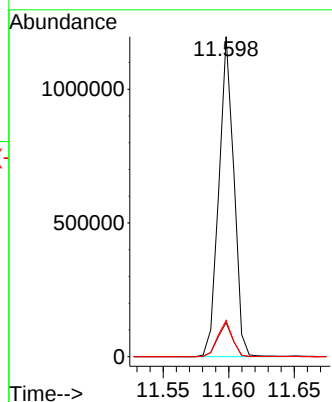
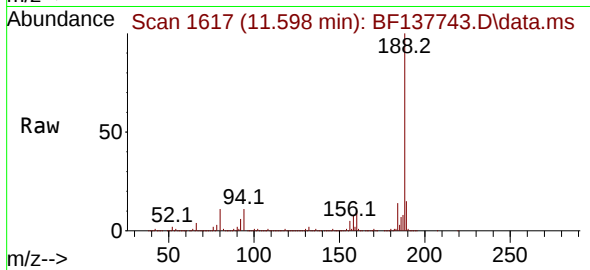
Tgt Ion:188 Resp: 949774

Ion Ratio Lower Upper

188 100

94 10.6 9.4 14.2

80 11.4 10.2 15.4



#67

4-Bromophenyl-phenylether

Concen: 3.247 ng

RT: 10.898 min Scan# 1498

Delta R.T. -0.247 min

Lab File: BF137743.D

Acq: 26 Apr 2024 19:29

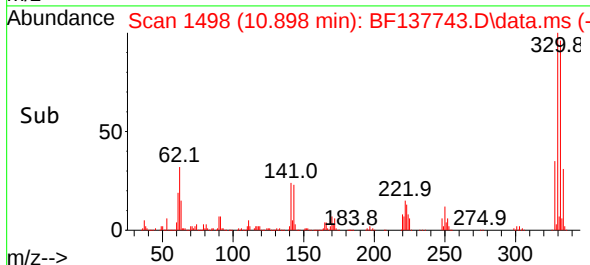
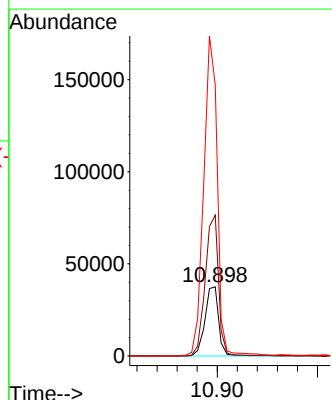
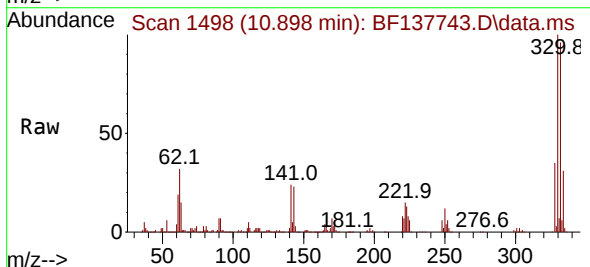
Tgt Ion:248 Resp: 35734

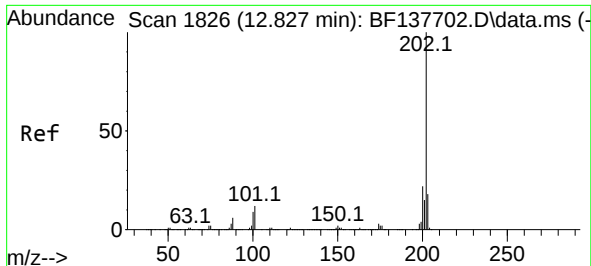
Ion Ratio Lower Upper

248 100

250 203.5 77.4 116.0#

141 391.6 57.9 86.9#

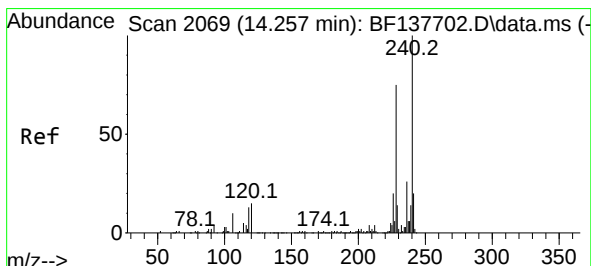
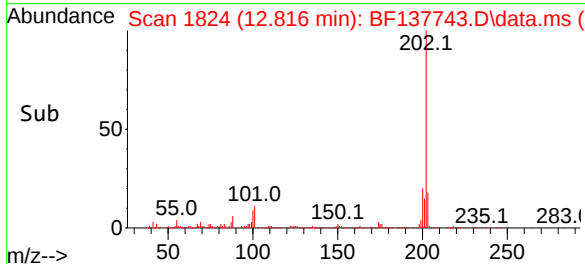
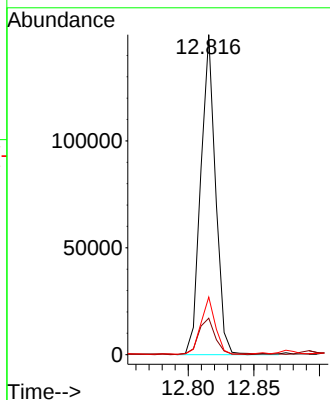
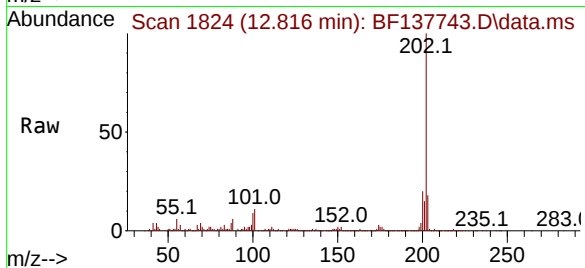




#75
Fluoranthene
Concen: 2.238 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.012 min
Lab File: BF137743.D
Acq: 26 Apr 2024 19:29

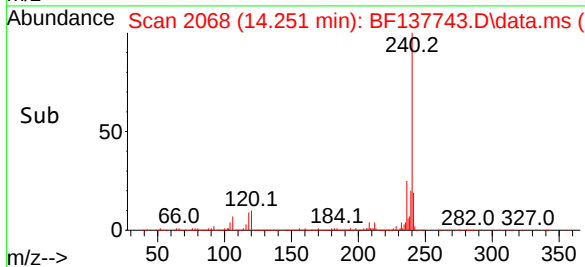
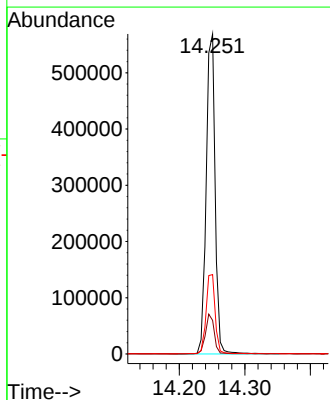
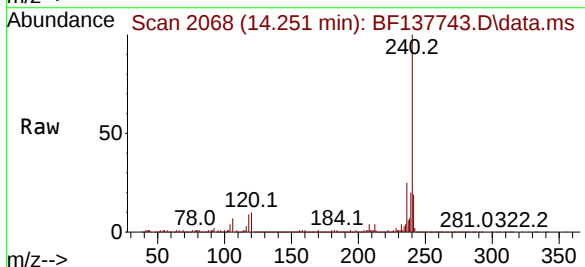
Instrument :
BNA_F
ClientSampleId :
72-11936

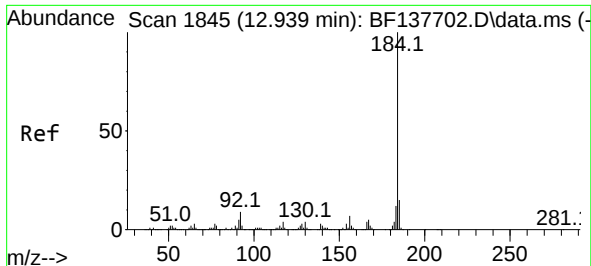
Tgt Ion:202 Resp: 118280
Ion Ratio Lower Upper
202 100
101 11.4 0.0 32.2
203 18.0 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.251 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BF137743.D
Acq: 26 Apr 2024 19:29

Tgt Ion:240 Resp: 541107
Ion Ratio Lower Upper
240 100
120 10.5 11.9 17.9#
236 24.8 20.8 31.2

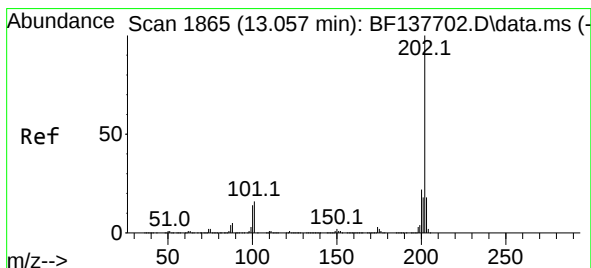
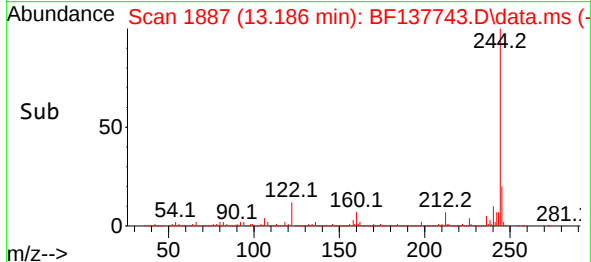
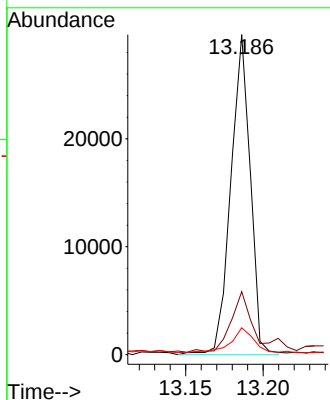
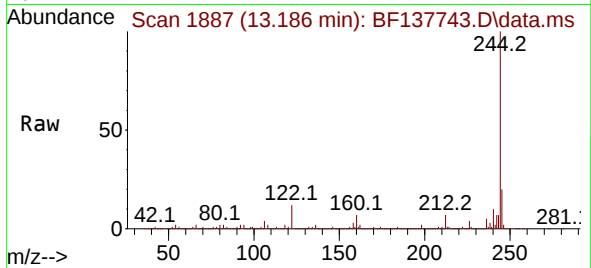




#77
Benzidine
Concen: 2.048 ng
RT: 13.186 min Scan# 1887
Delta R.T. 0.247 min
Lab File: BF137743.D
Acq: 26 Apr 2024 19:29

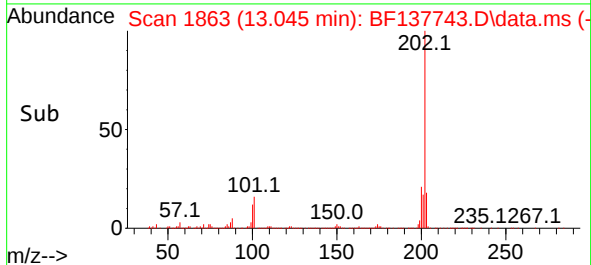
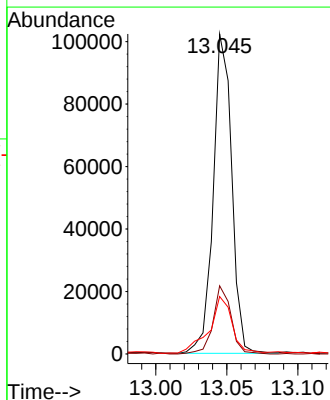
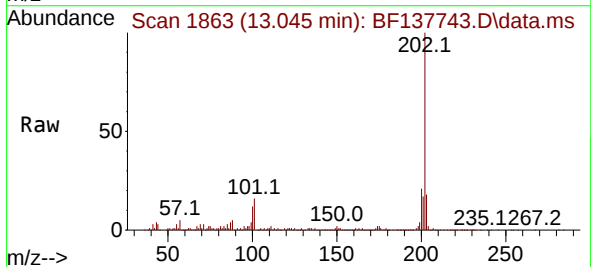
Instrument :
BNA_F
ClientSampleId :
72-11936

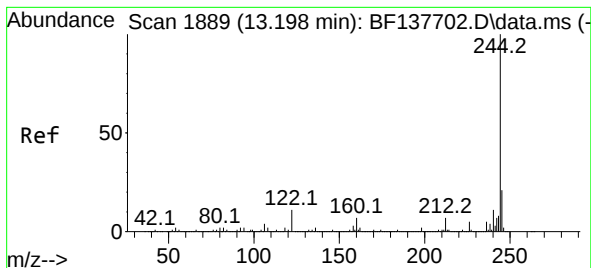
Tgt Ion:184 Resp: 25884
Ion Ratio Lower Upper
184 100
185 19.7 12.2 18.4#
183 8.4 9.4 14.0#



#78
Pyrene
Concen: 2.080 ng
RT: 13.045 min Scan# 1863
Delta R.T. -0.012 min
Lab File: BF137743.D
Acq: 26 Apr 2024 19:29

Tgt Ion:202 Resp: 92377
Ion Ratio Lower Upper
202 100
200 21.3 17.8 26.6
203 18.0 14.6 21.8





#79

Terphenyl-d14

Concen: 61.391 ng

RT: 13.186 min Scan# 1887

Delta R.T. -0.012 min

Lab File: BF137743.D

Acq: 26 Apr 2024 19:29

Instrument :

BNA_F

ClientSampleId :

72-11936

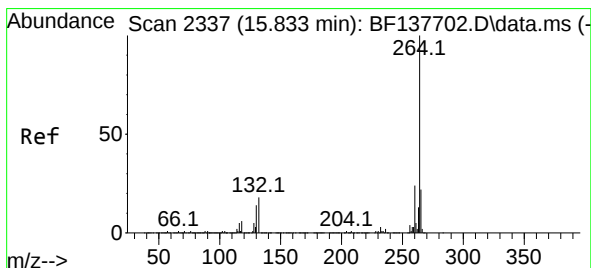
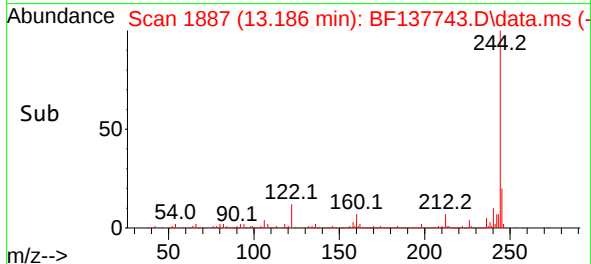
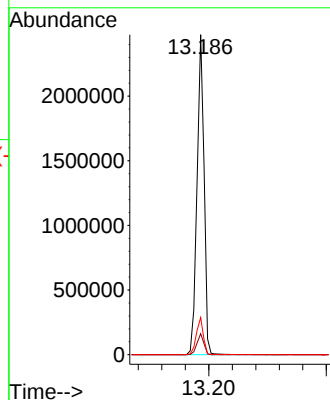
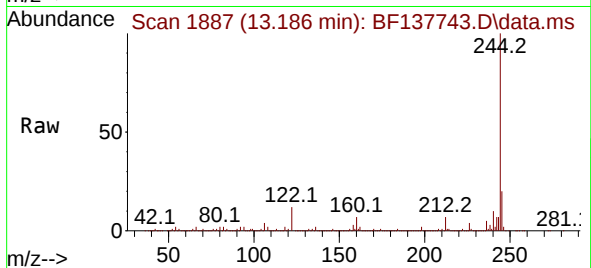
Tgt Ion:244 Resp: 2063869

Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

122 11.6 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.821 min Scan# 2335

Delta R.T. -0.012 min

Lab File: BF137743.D

Acq: 26 Apr 2024 19:29

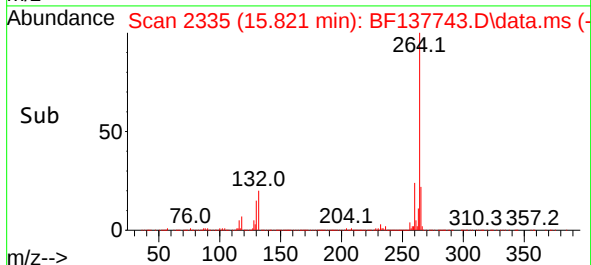
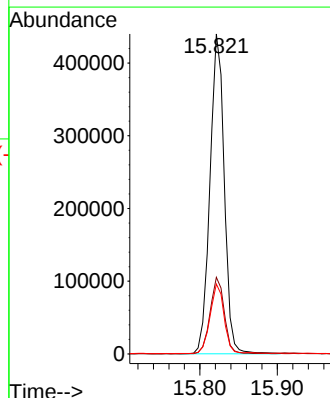
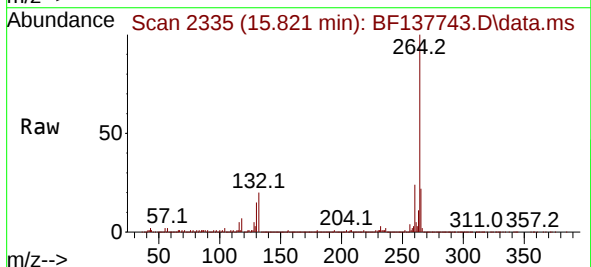
Tgt Ion:264 Resp: 563364

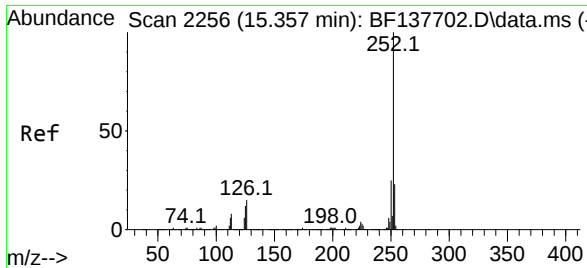
Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 21.9 17.5 26.3

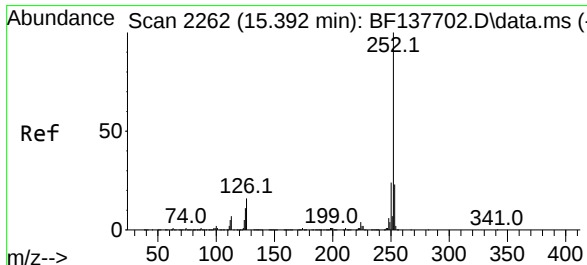
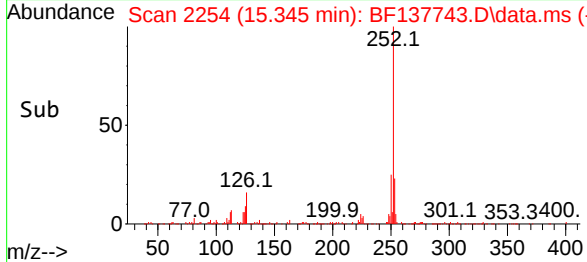
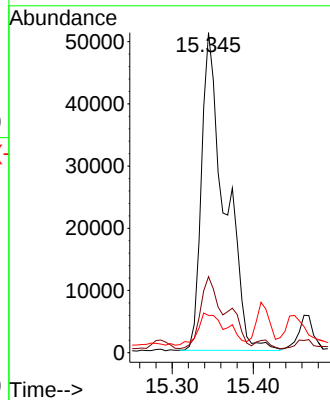
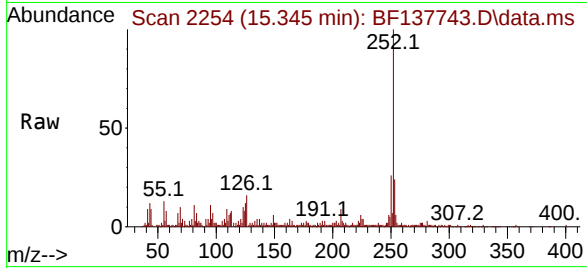




#88
Benzo(b)fluoranthene
Concen: 2.826 ng
RT: 15.345 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF137743.D
Acq: 26 Apr 2024 19:29

Instrument :
BNA_F
ClientSampleId :
72-11936

Tgt Ion:252 Resp: 101863
Ion Ratio Lower Upper
252 100
253 23.8 18.1 27.1
125 11.7 9.2 13.8



#89
Benzo(k)fluoranthene
Concen: 2.874 ng
RT: 15.345 min Scan# 2254
Delta R.T. -0.047 min
Lab File: BF137743.D
Acq: 26 Apr 2024 19:29

Tgt Ion:252 Resp: 101863
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 11.7 9.0 13.6

