

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022624\
 Data File : BF137393.D
 Acq On : 26 Feb 2024 19:03
 Operator : CG\JU
 Sample : P1538-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 27 00:40:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 24 04:23:49 2024
 Response via : Initial Calibration

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

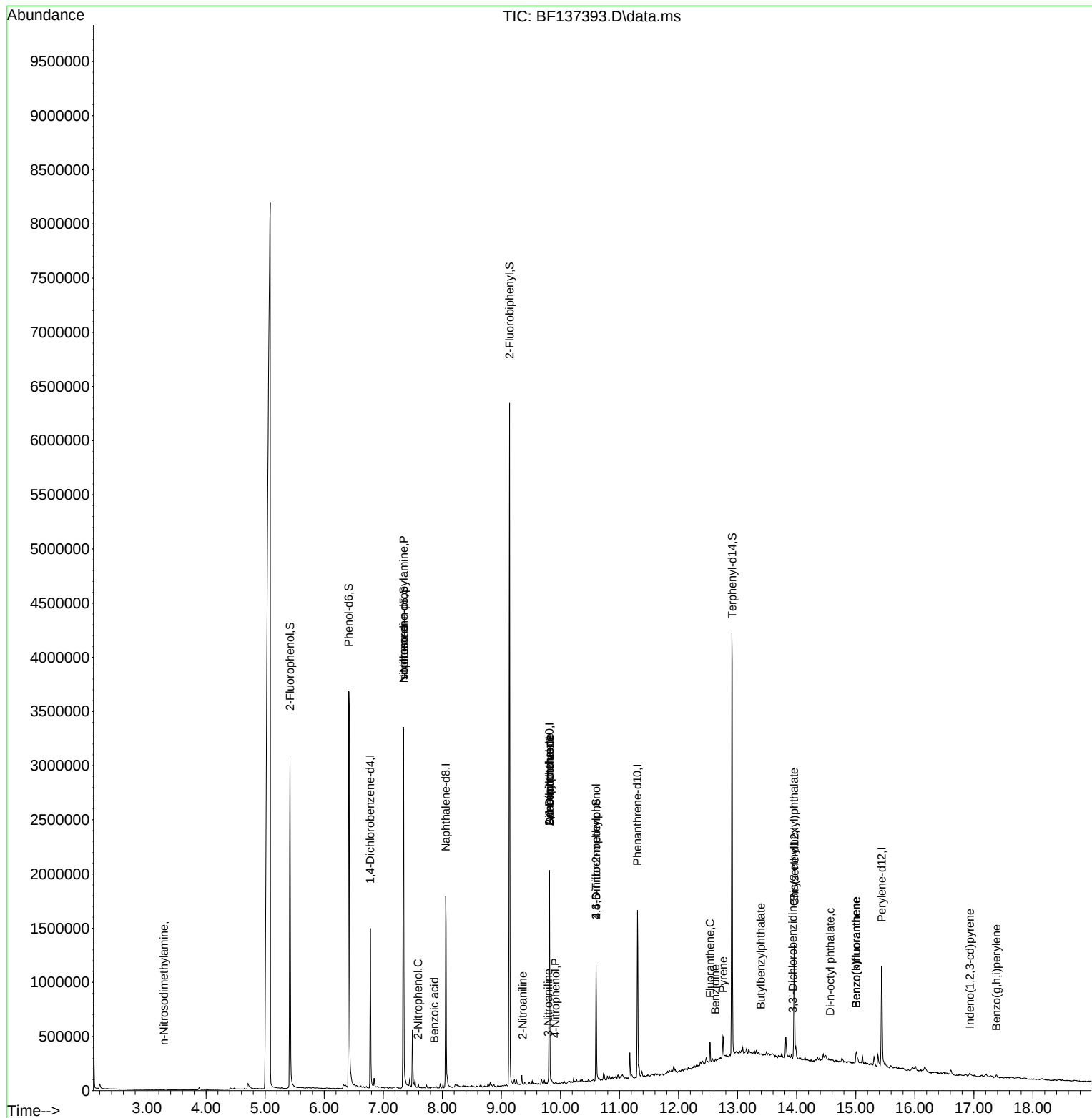
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	201353	20.000	ng	-0.02
21) Naphthalene-d8	8.057	136	771633	20.000	ng	-0.02
39) Acenaphthene-d10	9.816	164	390322	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	552894	20.000	ng	-0.02
76) Chrysene-d12	13.962	240	366385	20.000	ng	-0.02
86) Perylene-d12	15.439	264	435994	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	790730	60.596	ng	0.00
7) Phenol-d6	6.416	99	1507904	78.554	ng	-0.02
23) Nitrobenzene-d5	7.345	82	1211676	78.395	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	107856	31.732	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	1845703	73.618	ng	-0.02
79) Terphenyl-d14	12.910	244	1461698	55.801	ng	-0.02
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.287	42	156	5.127	ng	# 1
19) n-Nitroso-di-n-propyla...	7.345	70	158445	13.395	ng	# 82
25) Isophorone	7.345	82	1210519	37.873	ng	# 69
26) 2-Nitrophenol	7.592	139	71	2.914	ng	# 1
32) Benzoic acid	7.863	122	522	7.013	ng	# 33
48) 2-Nitroaniline	9.363	65	187	4.269	ng	# 39
50) Dimethylphthalate	9.816	163	67088	2.487	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	51115	10.187	ng	# 27
53) 3-Nitroaniline	9.792	138	446	2.434	ng	# 45
56) 4-Nitrophenol	9.916	139	423	4.932	ng	# 1
57) 2,4-Dinitrotoluene	9.816	165	51115	8.942	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.604	198	243	4.587	ng	# 1
75) Fluoranthene	12.533	202	61085	2.052	ng	97
77) Benzidine	12.621	184	771	7.040	ng	# 1
78) Pyrene	12.757	202	81628	2.356	ng	98
80) Butylbenzylphthalate	13.392	149	1286	4.307	ng	89
82) 3,3'-Dichlorobenzidine	13.933	252	962	5.178	ng	# 32
84) Bis(2-ethylhexyl)phtha...	13.957	149	6995	5.322	ng	# 85
85) Di-n-octyl phthalate	14.568	149	689	6.084	ng	# 60
87) Indeno(1,2,3-cd)pyrene	16.933	276	19561	2.493	ng	# 85
88) Benzo(b)fluoranthene	15.009	252	78628	2.940	ng	# 96
89) Benzo(k)fluoranthene	15.009	252	78628	2.805	ng	# 97
92) Benzo(g,h,i)perylene	17.380	276	20950	2.853	ng	93

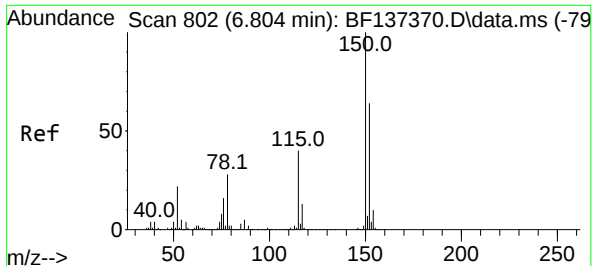
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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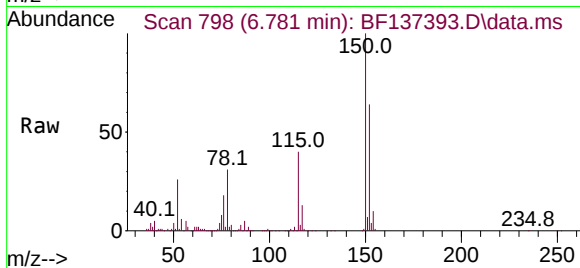
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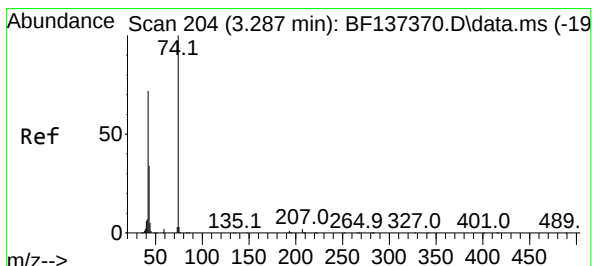
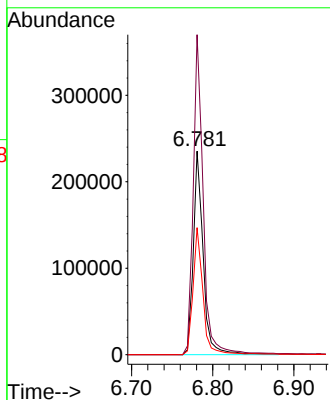
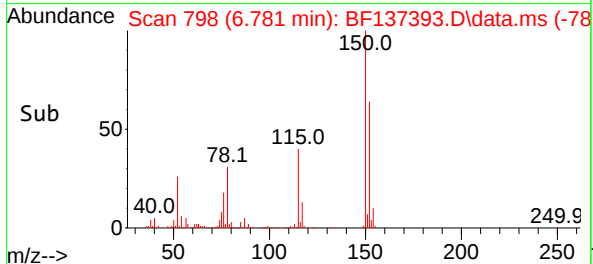


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.023 min
Lab File: BF137393.D
Acq: 26 Feb 2024 19:03

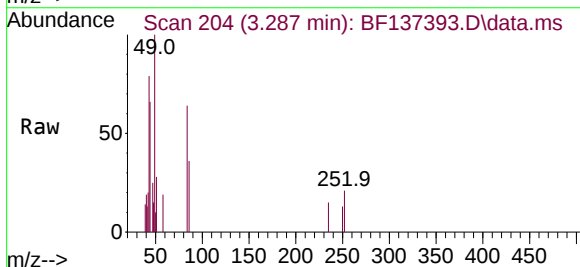
Instrument :
BNA_F
ClientSampleId :



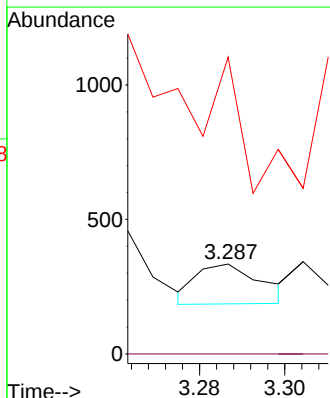
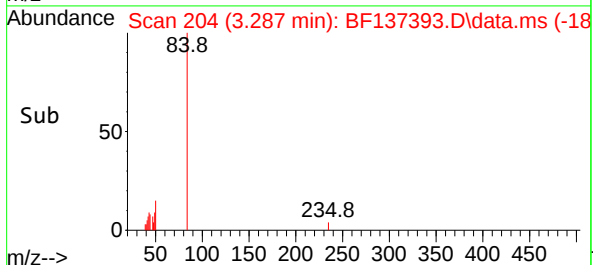
Tgt Ion:152 Resp: 201353
Ion Ratio Lower Upper
152 100
150 157.3 125.7 188.5
115 62.5 49.8 74.8

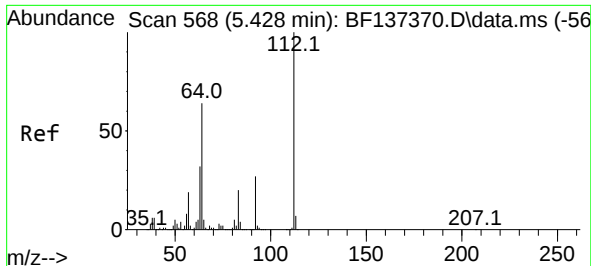


#4
n-Nitrosodimethylamine
Concen: 5.127 ng
RT: 3.287 min Scan# 204
Delta R.T. -0.000 min
Lab File: BF137393.D
Acq: 26 Feb 2024 19:03



Tgt Ion: 42 Resp: 156
Ion Ratio Lower Upper
42 100
74 0.0 110.8 166.2#
44 330.5 6.0 9.0#

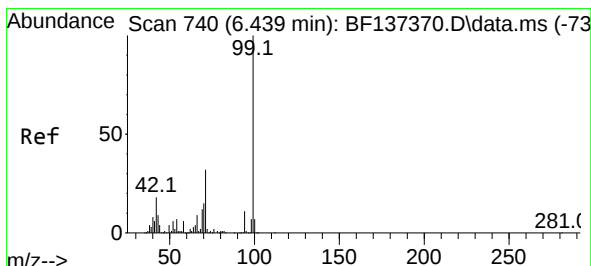
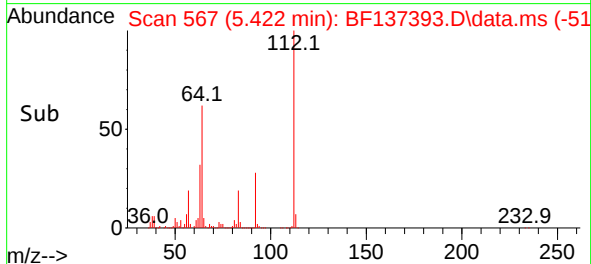
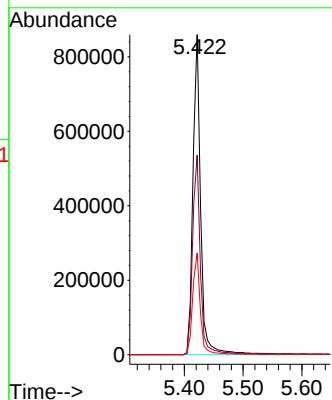
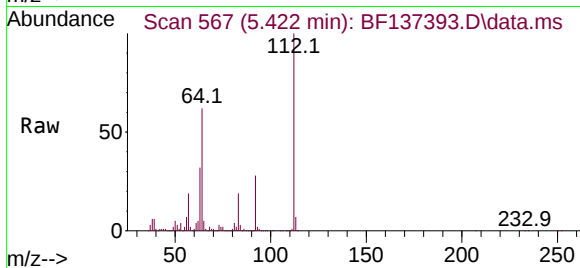




#5
2-Fluorophenol
Concen: 60.596 ng
RT: 5.422 min Scan# 501
Delta R.T. -0.006 min
Lab File: BF137393.D
Acq: 26 Feb 2024 19:03

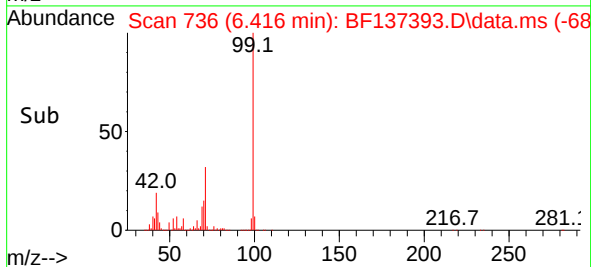
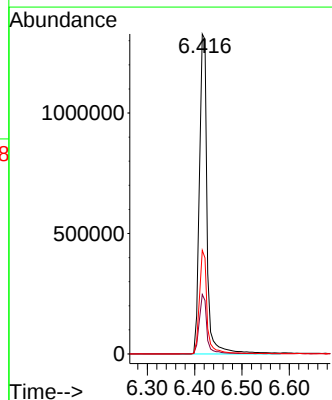
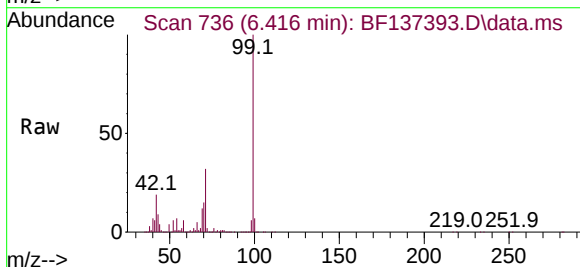
Instrument :
BNA_F
ClientSampleId :

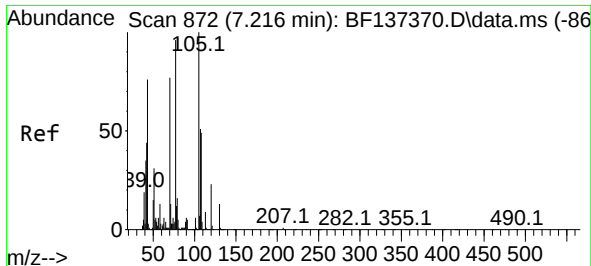
Tgt Ion:112 Resp: 790730
Ion Ratio Lower Upper
112 100
64 62.4 51.0 76.6
63 31.8 25.7 38.5



#7
Phenol-d6
Concen: 78.554 ng
RT: 6.416 min Scan# 736
Delta R.T. -0.024 min
Lab File: BF137393.D
Acq: 26 Feb 2024 19:03

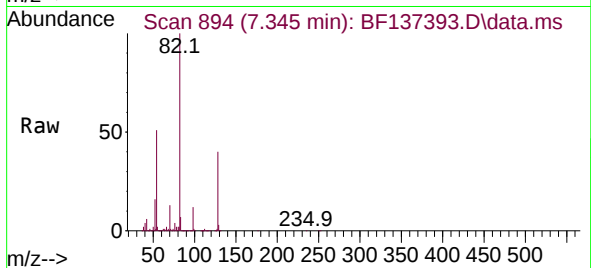
Tgt Ion: 99 Resp: 1507904
Ion Ratio Lower Upper
99 100
42 18.6 14.2 21.4
71 32.4 25.2 37.8



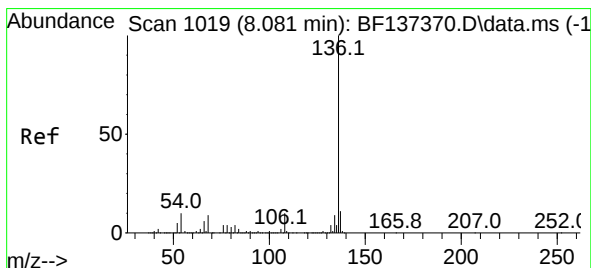
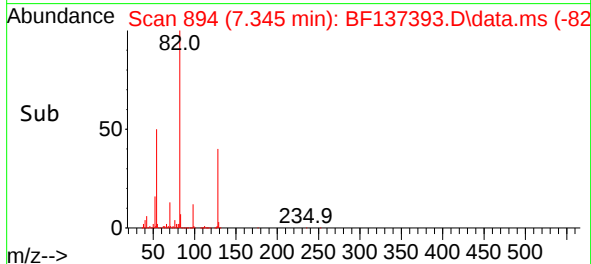
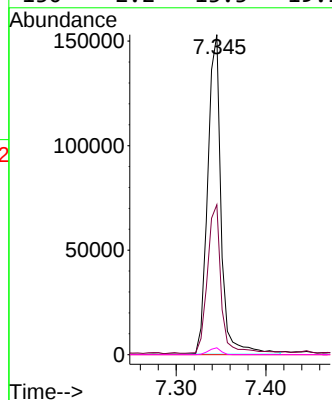


#19
n-Nitroso-di-n-propylamine
Concen: 13.395 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.129 min
Lab File: BF137393.D
Acq: 26 Feb 2024 19:03

Instrument :
BNA_F
ClientSampleId :

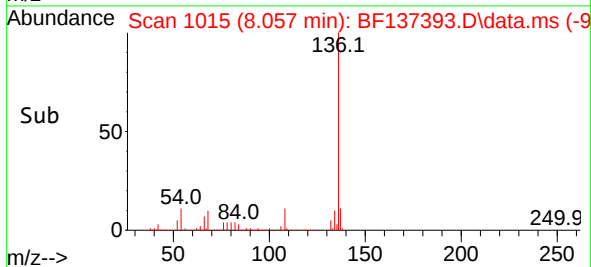
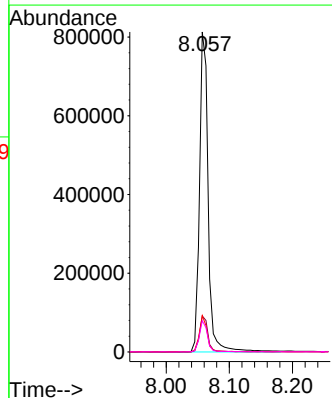
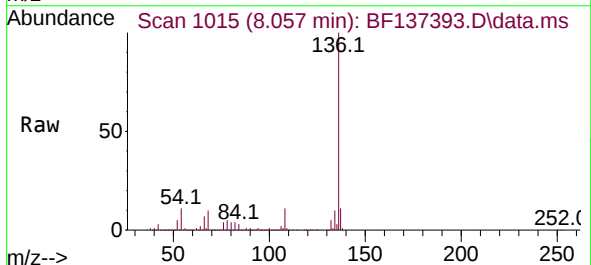


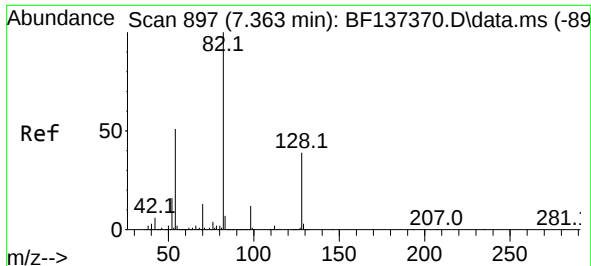
Tgt Ion: 70 Resp: 158445
Ion Ratio Lower Upper
70 100
42 46.8 45.3 67.9
101 0.0 6.5 9.7#
130 2.2 13.3 19.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.024 min
Lab File: BF137393.D
Acq: 26 Feb 2024 19:03

Tgt Ion: 136 Resp: 771633
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 11.3 7.8 11.6
68 9.7 7.0 10.4





#23

Nitrobenzene-d5

Concen: 78.395 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.018 min

Lab File: BF137393.D

Acq: 26 Feb 2024 19:03

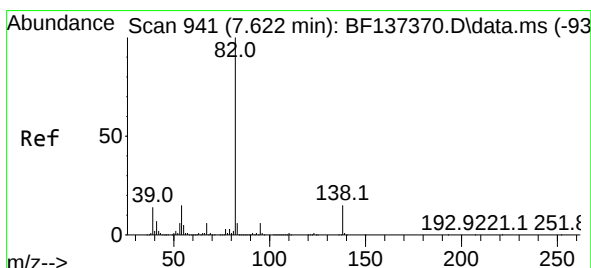
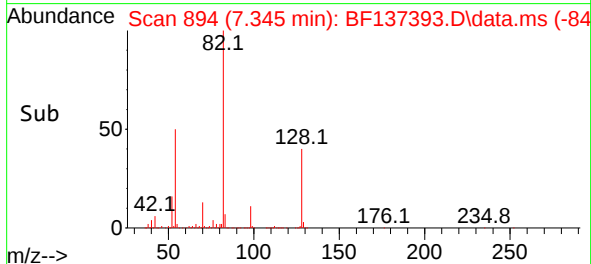
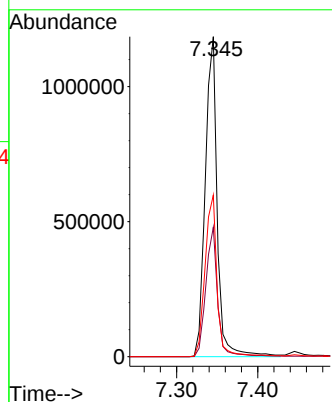
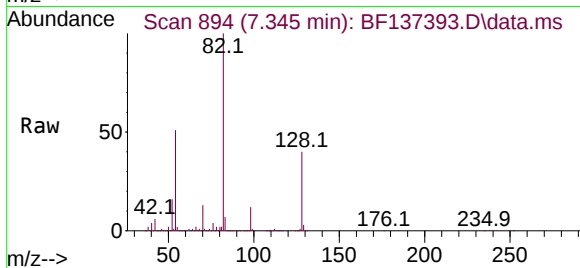
Instrument :

BNA_F

ClientSampleId :

Tgt Ion: 82 Resp: 1211676

Ion	Ratio	Lower	Upper
82	100		
128	40.5	30.8	46.2
54	50.5	40.8	61.2



#25

Isophorone

Concen: 37.873 ng

RT: 7.345 min Scan# 894

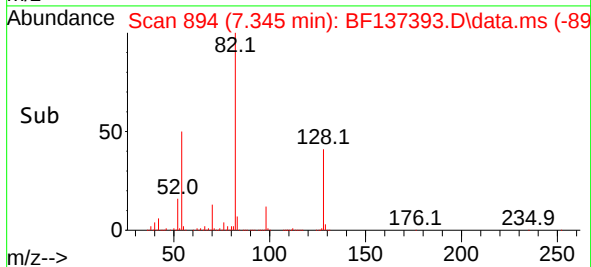
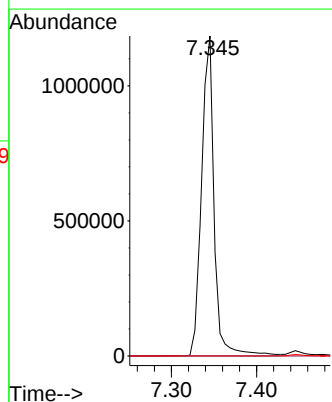
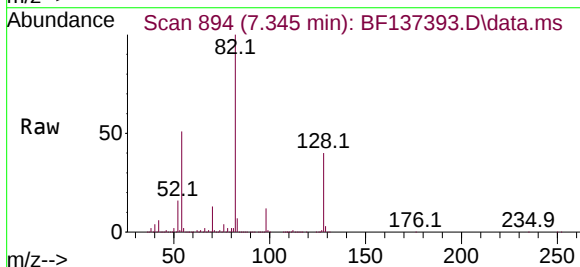
Delta R.T. -0.277 min

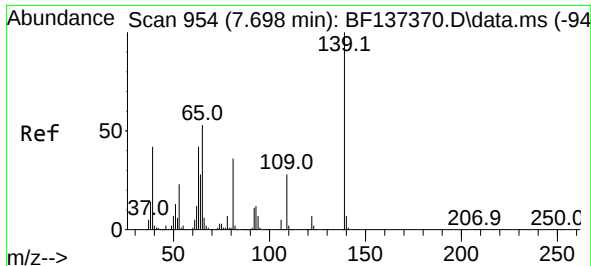
Lab File: BF137393.D

Acq: 26 Feb 2024 19:03

Tgt Ion: 82 Resp: 1210519

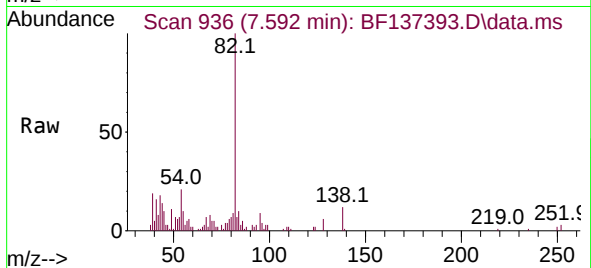
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.1	7.7#
138	0.0	12.2	18.4#



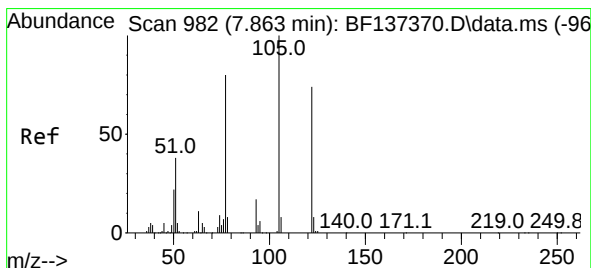
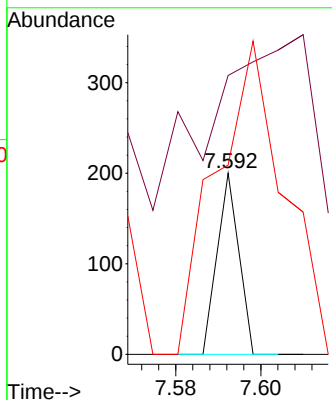
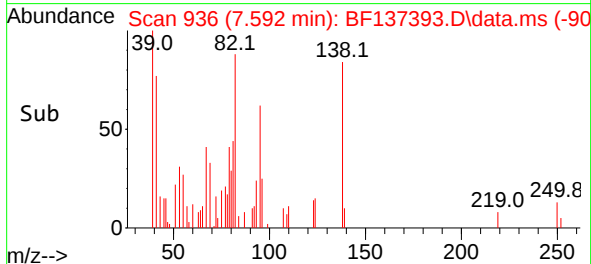


#26
2-Nitrophenol
Concen: 2.914 ng
RT: 7.592 min Scan# 91
Delta R.T. -0.106 min
Lab File: BF137393.D
Acq: 26 Feb 2024 19:03

Instrument :
BNA_F
ClientSampleId :

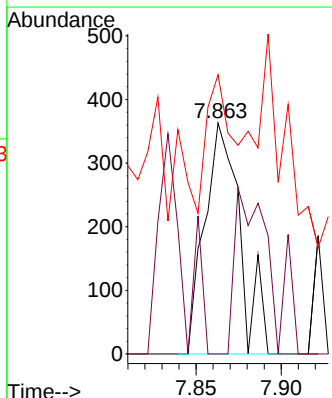
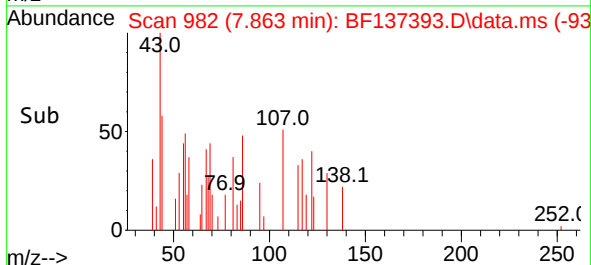
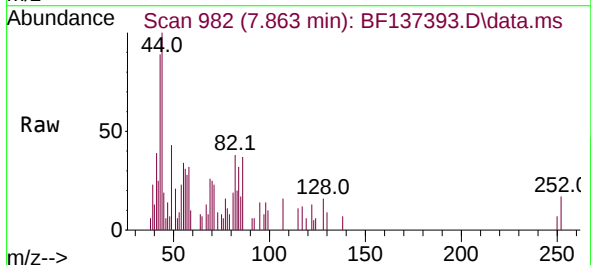


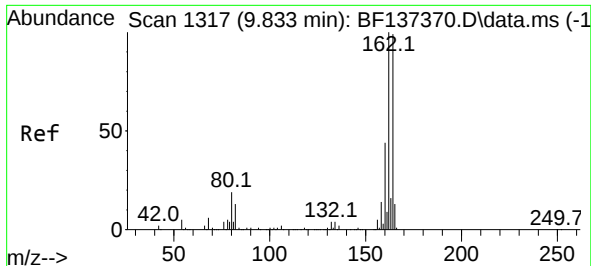
Tgt Ion:139 Resp: 71
Ion Ratio Lower Upper
139 100
109 154.0 22.5 33.7#
65 104.5 42.3 63.5#



#32
Benzoic acid
Concen: 7.013 ng
RT: 7.863 min Scan# 982
Delta R.T. -0.000 min
Lab File: BF137393.D
Acq: 26 Feb 2024 19:03

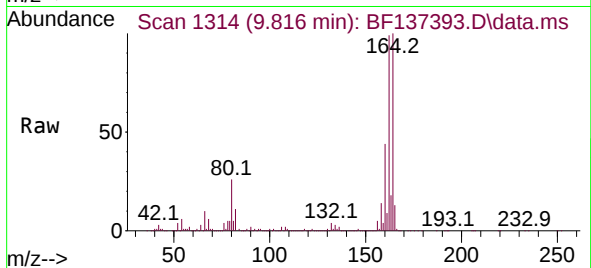
Tgt Ion:122 Resp: 522
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 120.9 82.8 122.8



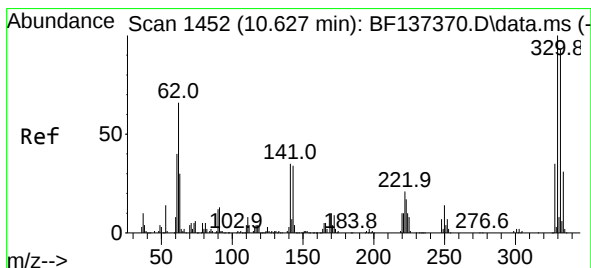
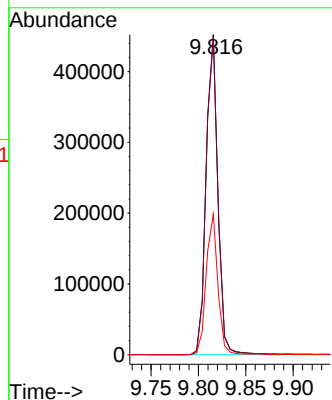
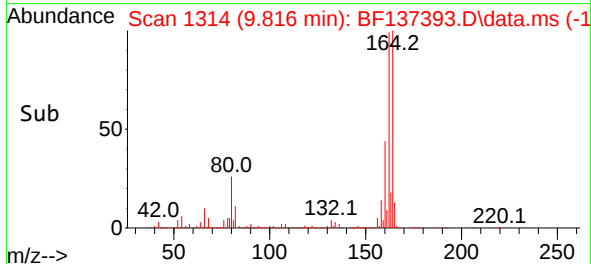


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF137393.D
Acq: 26 Feb 2024 19:03

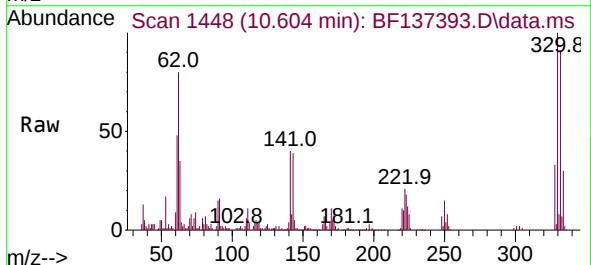
Instrument :
BNA_F
ClientSampleId :



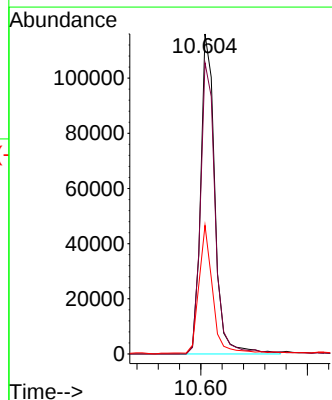
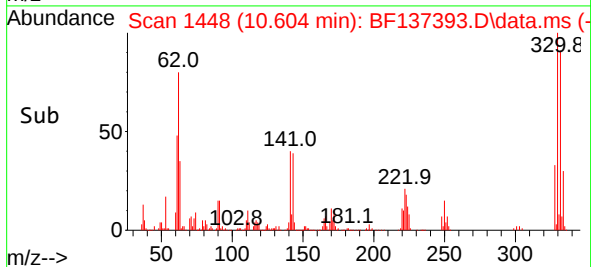
Tgt Ion:164 Resp: 390322
Ion Ratio Lower Upper
164 100
162 99.1 81.2 121.8
160 43.9 35.7 53.5

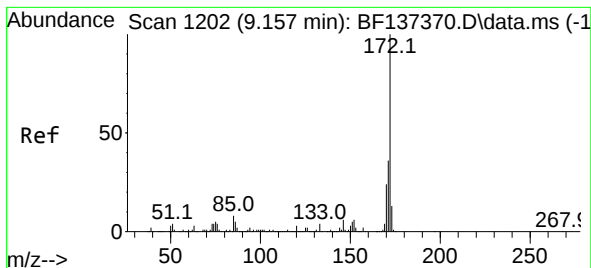


#42
2,4,6-Tribromophenol
Concen: 31.732 ng
RT: 10.604 min Scan# 1448
Delta R.T. -0.024 min
Lab File: BF137393.D
Acq: 26 Feb 2024 19:03



Tgt Ion:330 Resp: 107856
Ion Ratio Lower Upper
330 100
332 94.7 75.6 113.4
141 40.6 28.6 42.8





#45

2-Fluorobiphenyl

Concen: 73.618 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.018 min

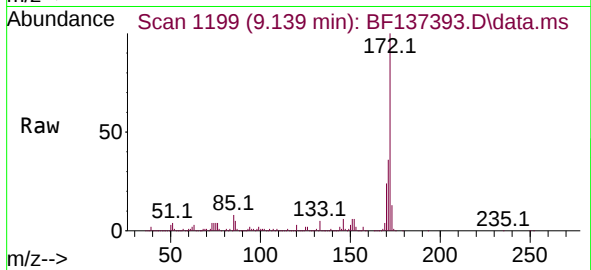
Lab File: BF137393.D

Acq: 26 Feb 2024 19:03

Instrument :

BNA_F

ClientSampleId :



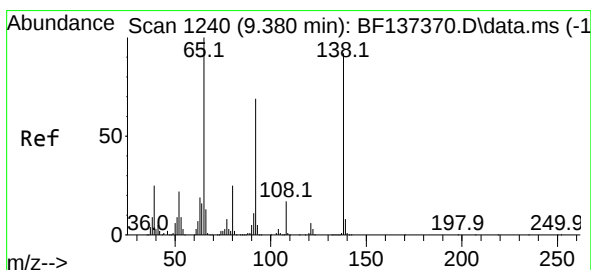
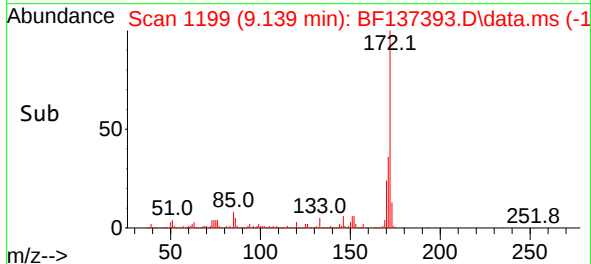
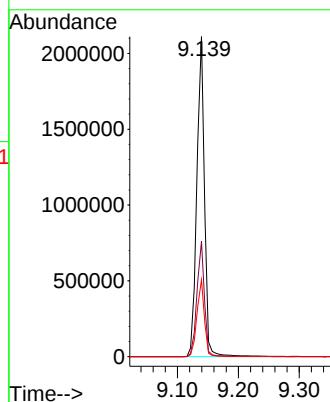
Tgt Ion:172 Resp: 1845703

Ion Ratio Lower Upper

172 100

171 36.0 28.7 43.1

170 24.0 19.5 29.3



#48

2-Nitroaniline

Concen: 4.269 ng

RT: 9.363 min Scan# 1237

Delta R.T. -0.017 min

Lab File: BF137393.D

Acq: 26 Feb 2024 19:03

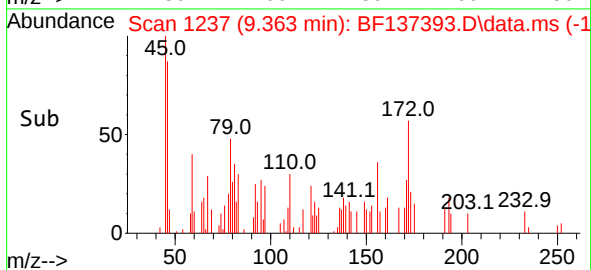
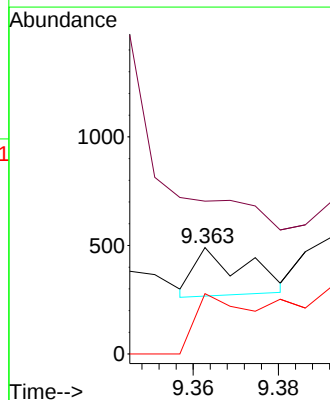
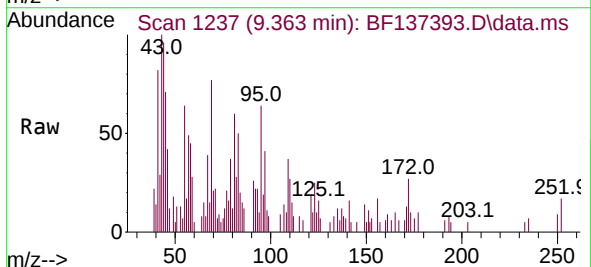
Tgt Ion: 65 Resp: 187

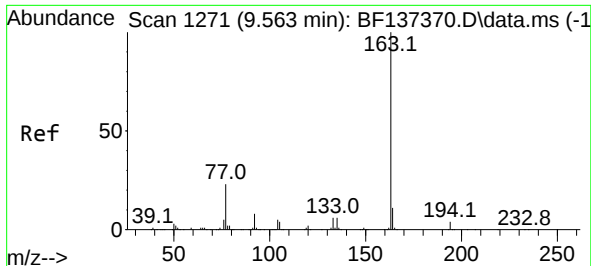
Ion Ratio Lower Upper

65 100

92 143.7 55.0 82.6#

138 56.7 73.7 110.5#

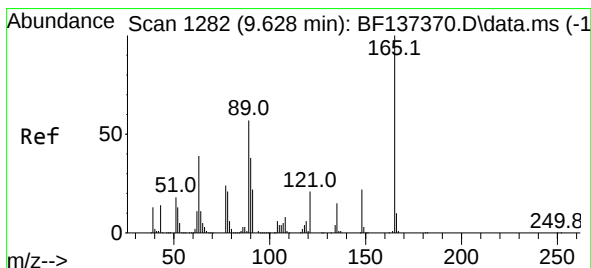
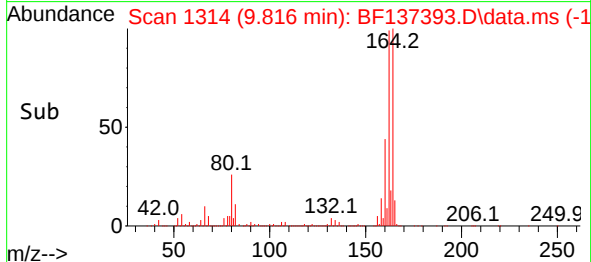
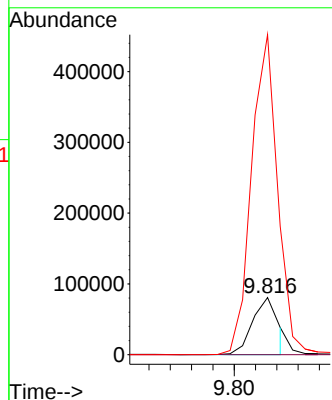
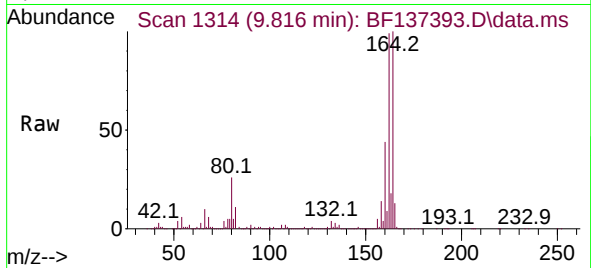




#50
Dimethylphthalate
Concen: 2.487 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.253 min
Lab File: BF137393.D
Acq: 26 Feb 2024 19:03

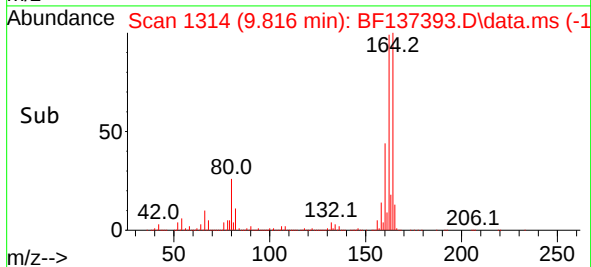
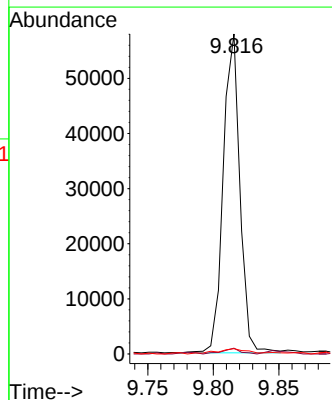
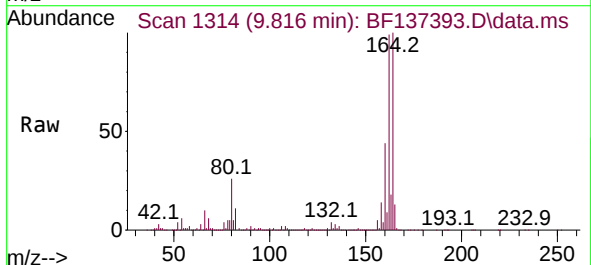
Instrument :
BNA_F
ClientSampleId :

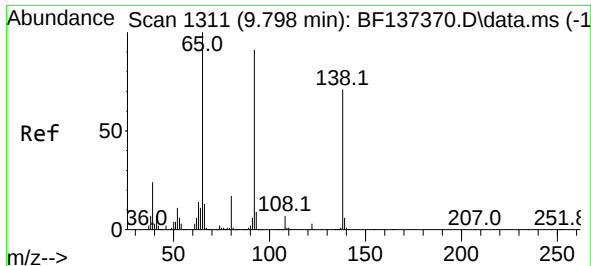
Tgt Ion:163 Resp: 67088
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 559.6 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 10.187 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.188 min
Lab File: BF137393.D
Acq: 26 Feb 2024 19:03

Tgt Ion:165 Resp: 51115
Ion Ratio Lower Upper
165 100
63 1.8 41.6 62.4#
89 1.7 45.8 68.6#

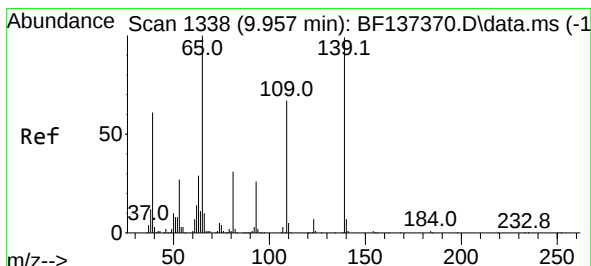
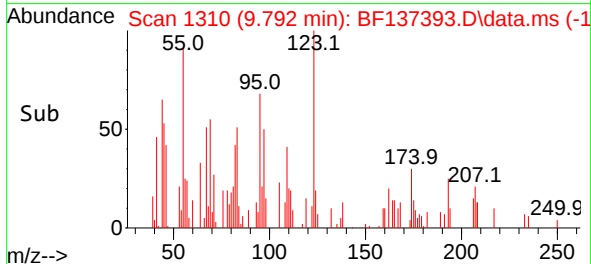
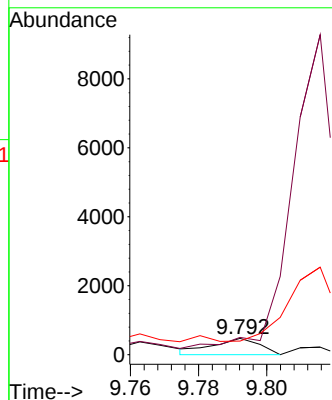
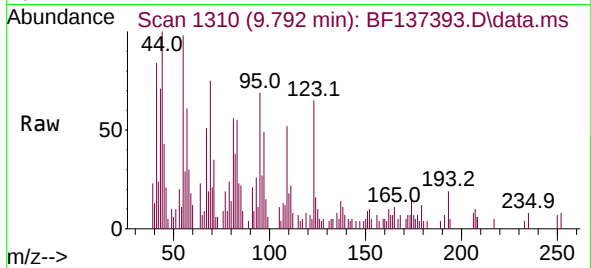




#53
3-Nitroaniline
Concen: 2.434 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137393.D
Acq: 26 Feb 2024 19:03

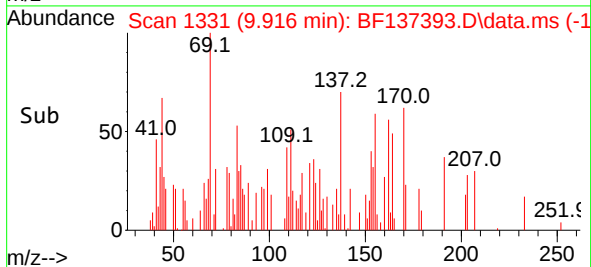
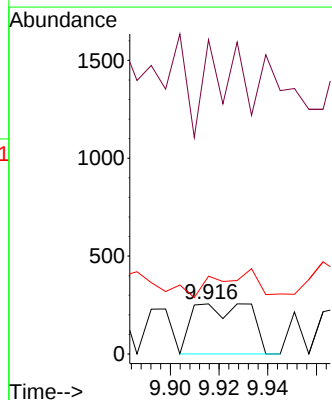
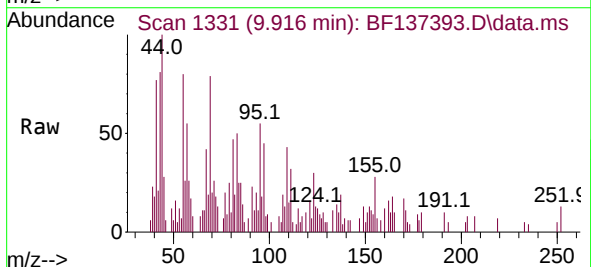
Instrument :
BNA_F
ClientSampleId :

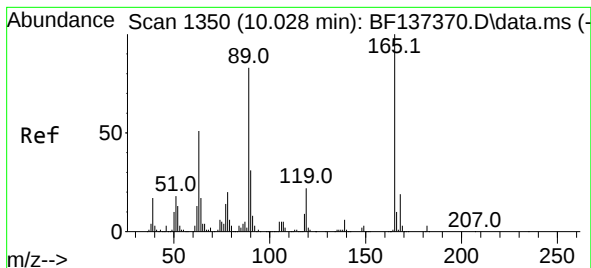
Tgt Ion:138 Resp: 446
Ion Ratio Lower Upper
138 100
108 106.6 8.2 12.2#
92 83.1 102.2 153.2#



#56
4-Nitrophenol
Concen: 4.932 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.041 min
Lab File: BF137393.D
Acq: 26 Feb 2024 19:03

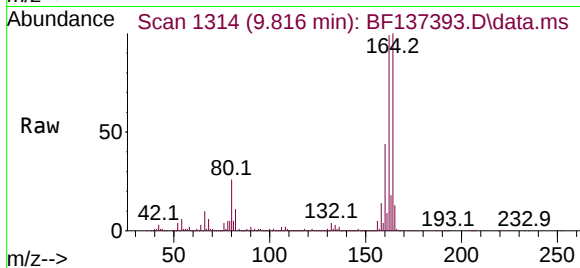
Tgt Ion:139 Resp: 423
Ion Ratio Lower Upper
139 100
109 627.3 48.0 88.0#
65 155.1 82.2 122.2#



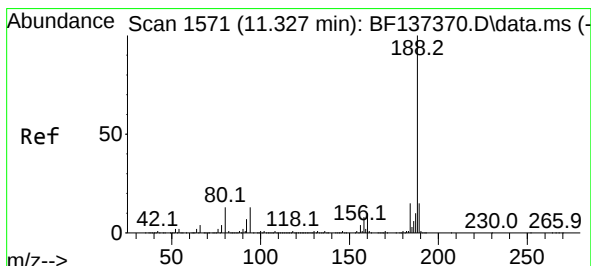
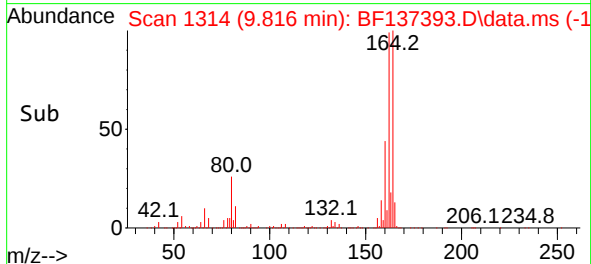
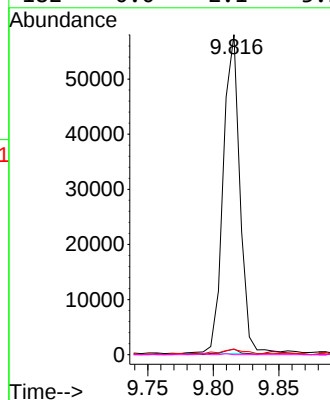


#57
2,4-Dinitrotoluene
Concen: 8.942 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF137393.D
Acq: 26 Feb 2024 19:03

Instrument :
BNA_F
ClientSampleId :

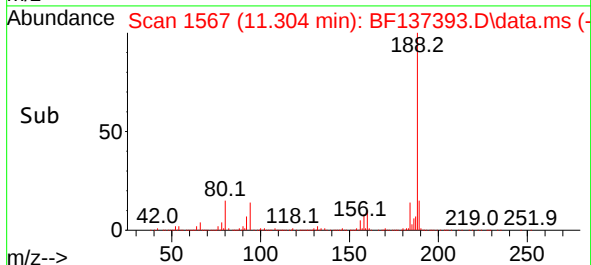
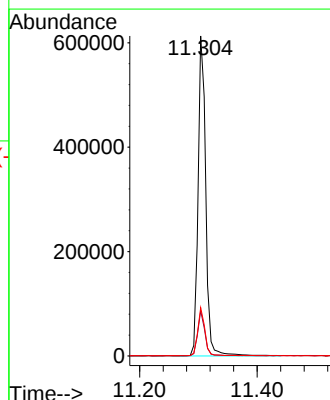
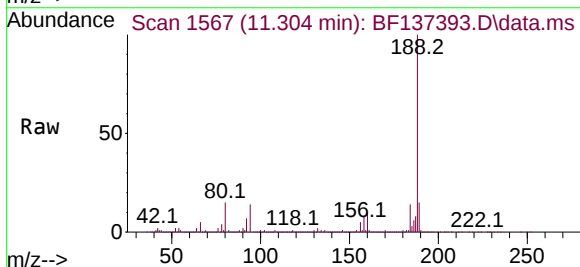


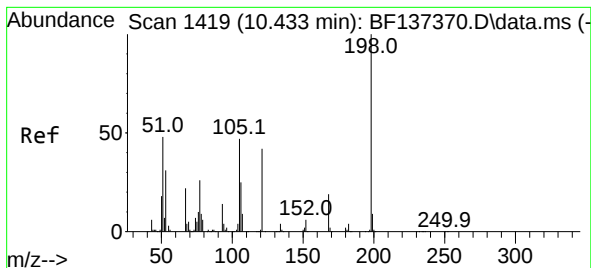
Tgt Ion:165 Resp: 51115
Ion Ratio Lower Upper
165 100
63 1.8 41.1 61.7#
89 1.7 66.6 100.0#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.024 min
Lab File: BF137393.D
Acq: 26 Feb 2024 19:03

Tgt Ion:188 Resp: 552894
Ion Ratio Lower Upper
188 100
94 14.1 10.2 15.2
80 15.1 10.7 16.1

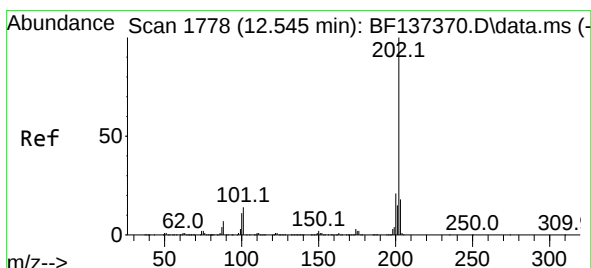
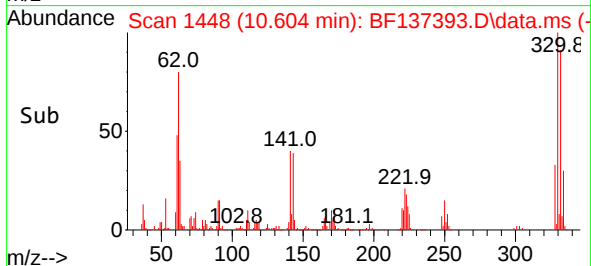
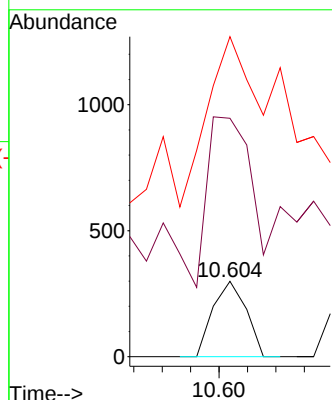
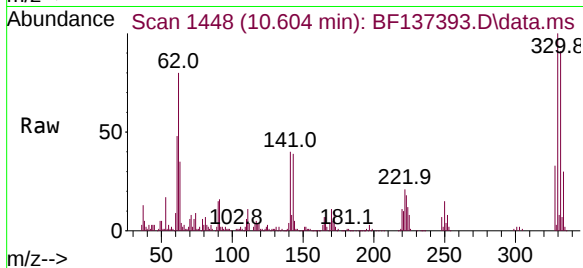




#65
4,6-Dinitro-2-methylphenol
Concen: 4.587 ng
RT: 10.604 min Scan# 1419
Delta R.T. 0.171 min
Lab File: BF137393.D
Acq: 26 Feb 2024 19:03

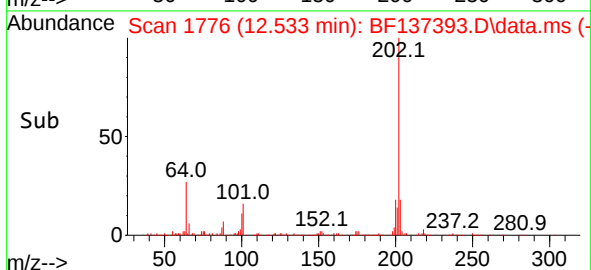
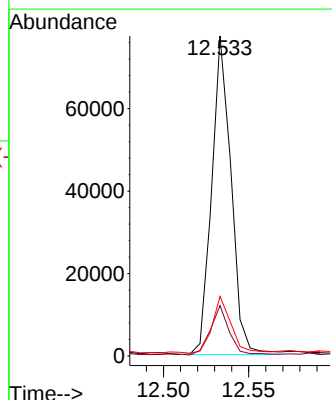
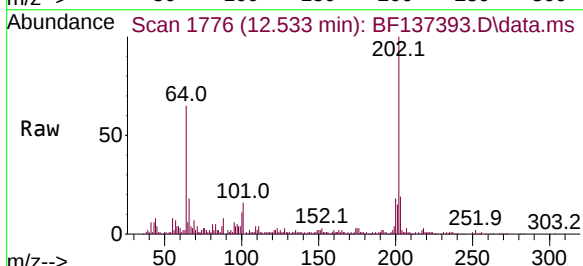
Instrument :
BNA_F
ClientSampleId :

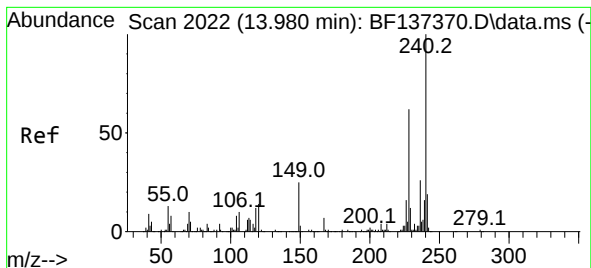
Tgt Ion:198 Resp: 243
Ion Ratio Lower Upper
198 100
51 316.4 36.8 76.8#
105 424.7 28.5 68.5#



#75
Fluoranthene
Concen: 2.052 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.012 min
Lab File: BF137393.D
Acq: 26 Feb 2024 19:03

Tgt Ion:202 Resp: 61085
Ion Ratio Lower Upper
202 100
101 15.7 0.0 33.9
203 18.6 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.962 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF137393.D

Acq: 26 Feb 2024 19:03

Instrument :

BNA_F

ClientSampleId :

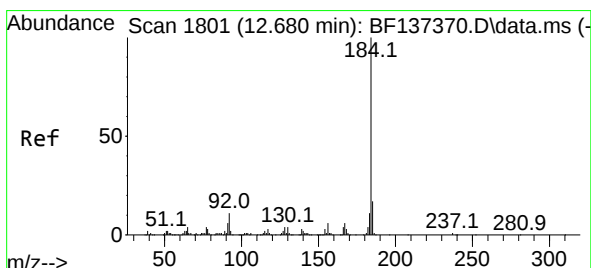
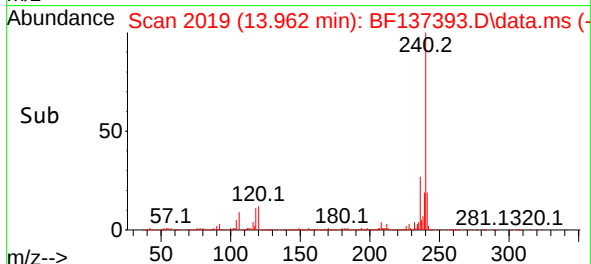
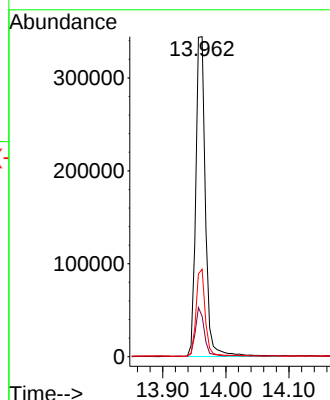
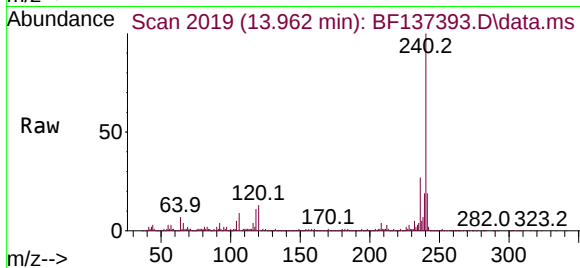
Tgt Ion:240 Resp: 366385

Ion Ratio Lower Upper

240 100

120 12.7 11.3 16.9

236 27.3 20.5 30.7



#77

Benzidine

Concen: 7.040 ng

RT: 12.621 min Scan# 1791

Delta R.T. -0.059 min

Lab File: BF137393.D

Acq: 26 Feb 2024 19:03

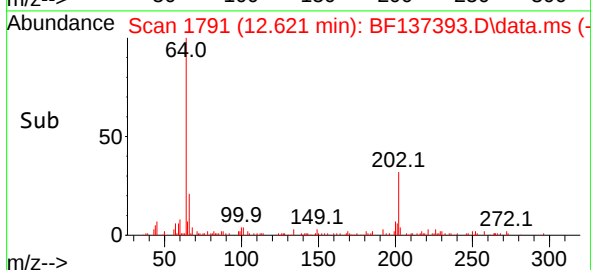
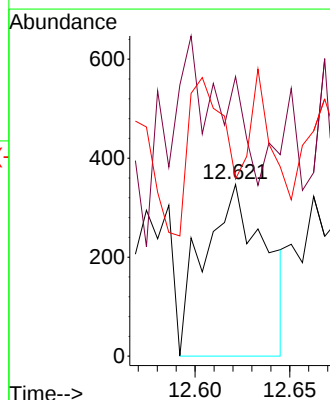
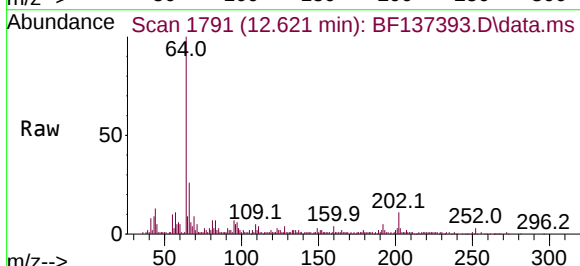
Tgt Ion:184 Resp: 771

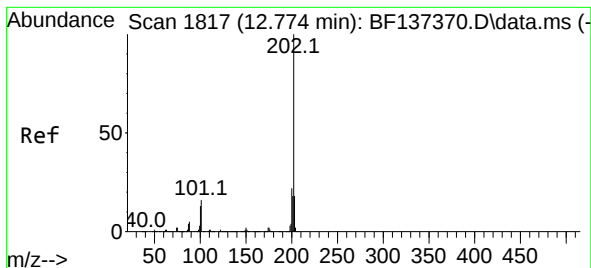
Ion Ratio Lower Upper

184 100

185 162.8 13.7 20.5#

183 103.2 8.8 13.2#





#78

Pyrene

Concen: 2.356 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.018 min

Lab File: BF137393.D

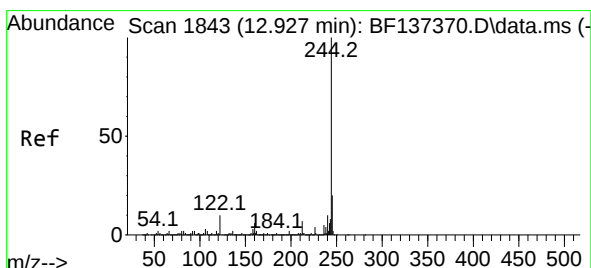
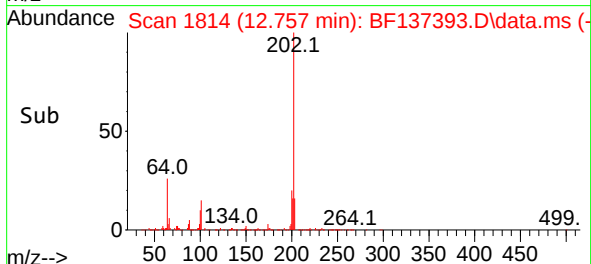
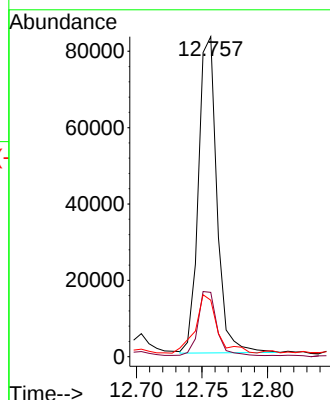
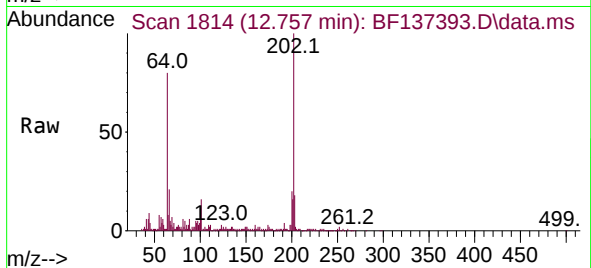
Acq: 26 Feb 2024 19:03

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	202	Resp:	81628
Ion Ratio	Lower	Upper	
202	100		
200	20.1	17.4	26.2
203	17.7	14.2	21.2



#79

Terphenyl-d14

Concen: 55.801 ng

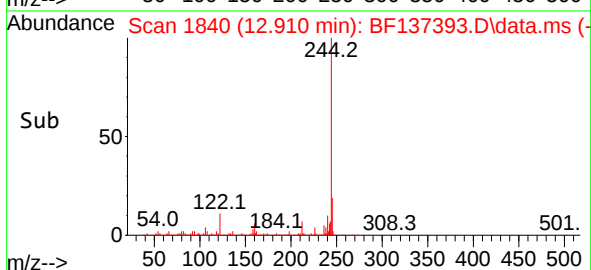
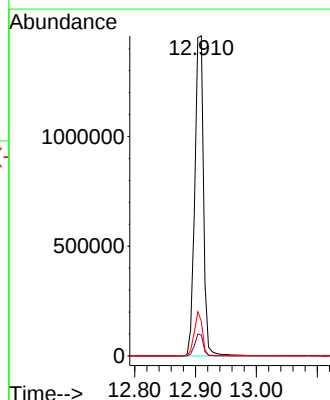
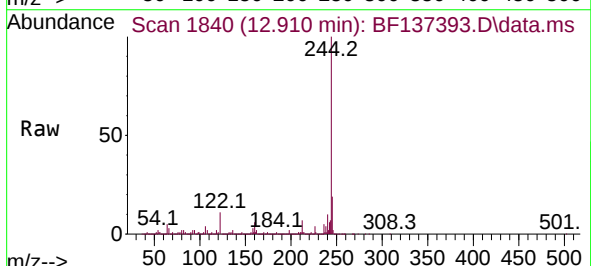
RT: 12.910 min Scan# 1840

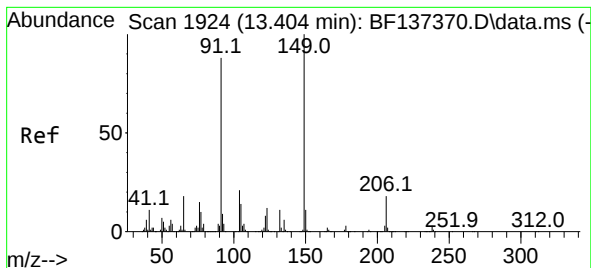
Delta R.T. -0.018 min

Lab File: BF137393.D

Acq: 26 Feb 2024 19:03

Tgt Ion:	244	Resp:	1461698
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.3	7.9
122	10.9	8.2	12.4





#80

Butylbenzylphthalate

Concen: 4.307 ng

RT: 13.392 min Scan# 1924

Delta R.T. -0.012 min

Lab File: BF137393.D

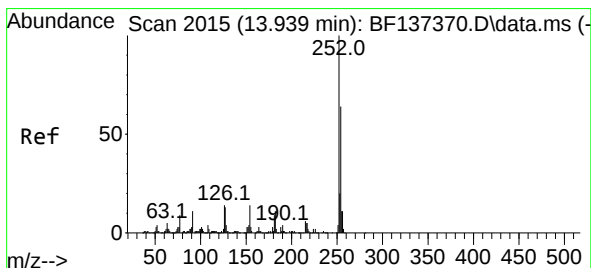
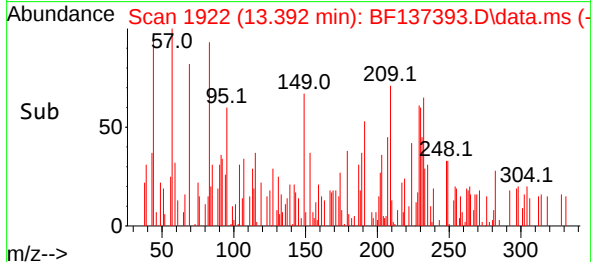
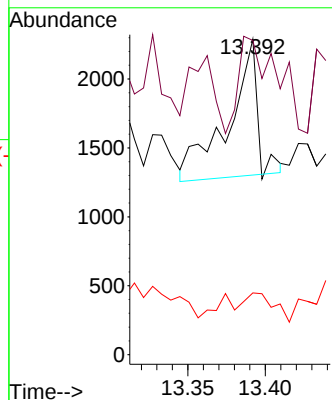
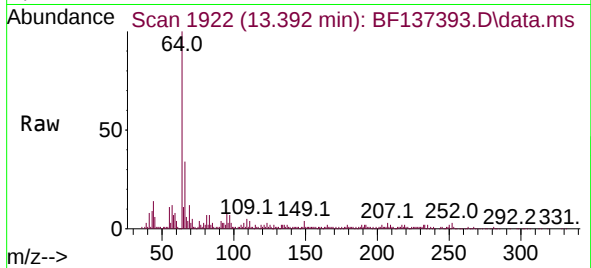
Acq: 26 Feb 2024 19:03

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:149	Resp:	1286
Ion Ratio	Lower	Upper
149	100	
91	99.6	70.5 105.7
206	19.6	14.8 22.2



#82

3,3'-Dichlorobenzidine

Concen: 5.178 ng

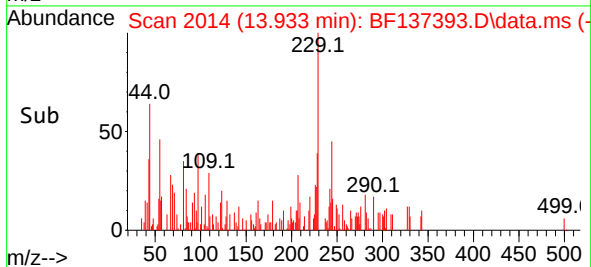
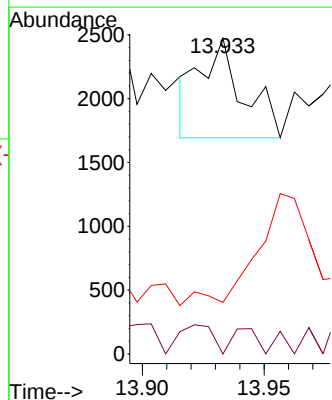
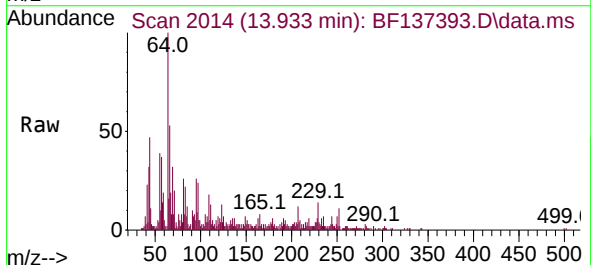
RT: 13.933 min Scan# 2014

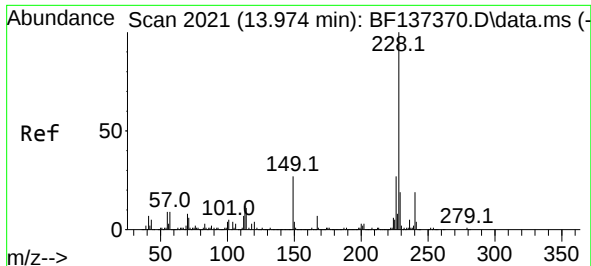
Delta R.T. -0.006 min

Lab File: BF137393.D

Acq: 26 Feb 2024 19:03

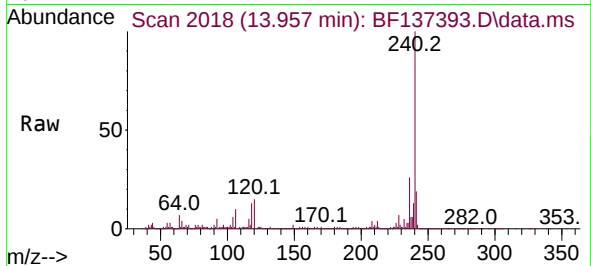
Tgt Ion:252	Resp:	962
Ion Ratio	Lower	Upper
252	100	
254	0.0	51.2 76.8#
126	16.3	11.1 16.7



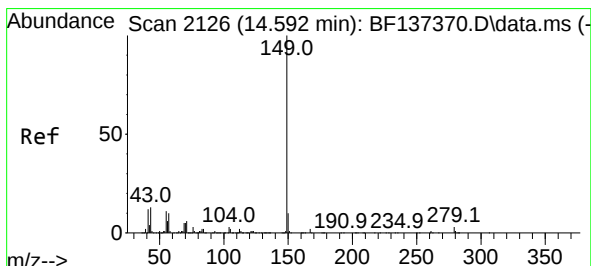
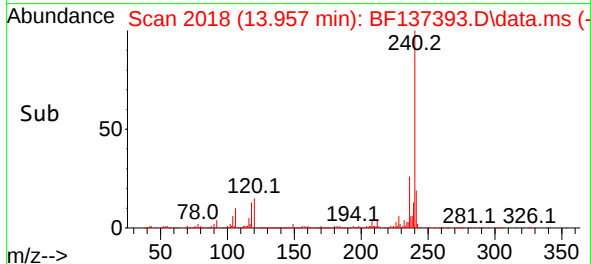
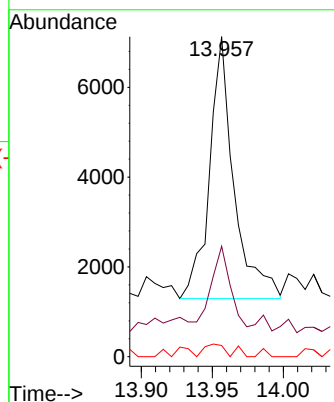


#84
Bis(2-ethylhexyl)phthalate
Concen: 5.322 ng
RT: 13.957 min Scan# 20
Delta R.T. -0.017 min
Lab File: BF137393.D
Acq: 26 Feb 2024 19:03

Instrument :
BNA_F
ClientSampleId :

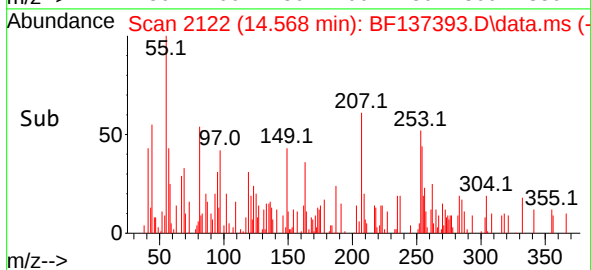
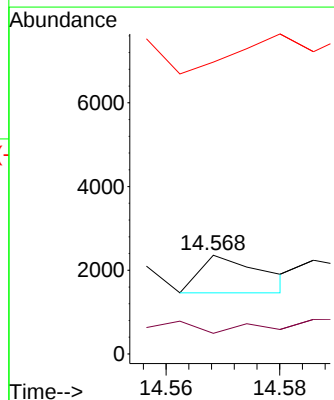
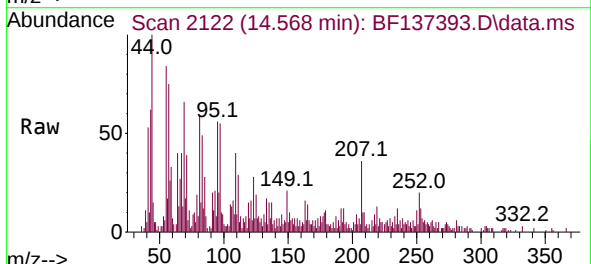


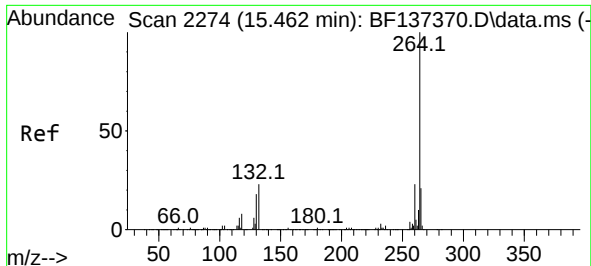
Tgt Ion:149 Resp: 6995
Ion Ratio Lower Upper
149 100
167 34.5 20.6 31.0#
279 3.5 2.7 4.1



#85
Di-n-octyl phthalate
Concen: 6.084 ng
RT: 14.568 min Scan# 2122
Delta R.T. -0.024 min
Lab File: BF137393.D
Acq: 26 Feb 2024 19:03

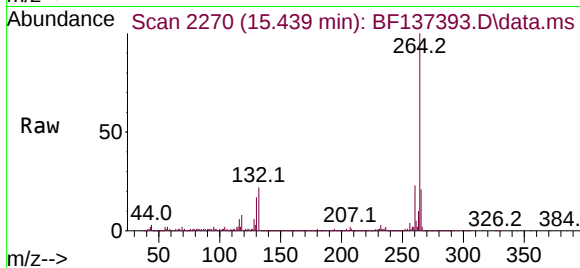
Tgt Ion:149 Resp: 689
Ion Ratio Lower Upper
149 100
167 21.8 1.2 1.8#
43 0.0 13.7 20.5#



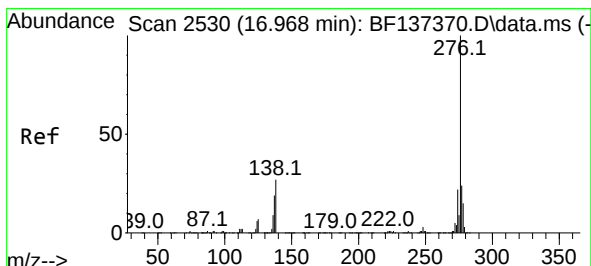
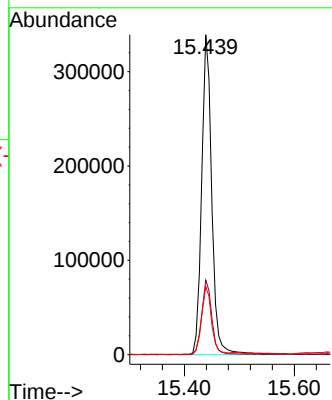
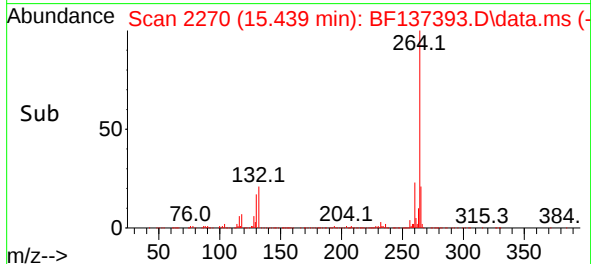


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF137393.D
Acq: 26 Feb 2024 19:03

Instrument :
BNA_F
ClientSampleId :

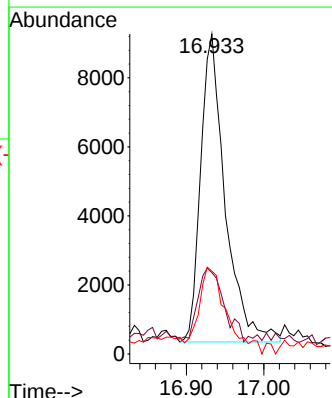
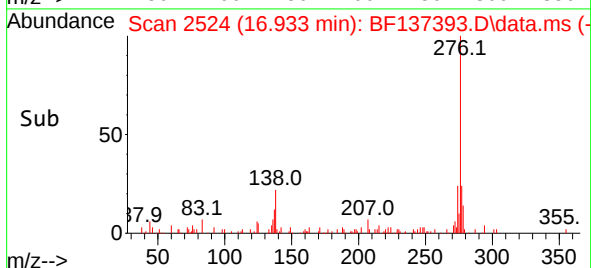
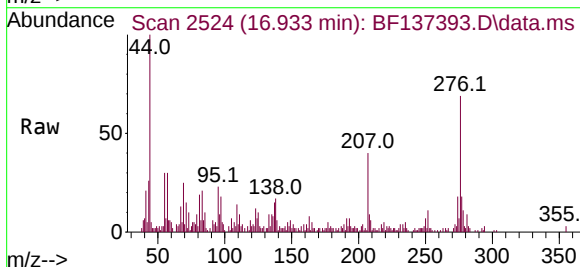


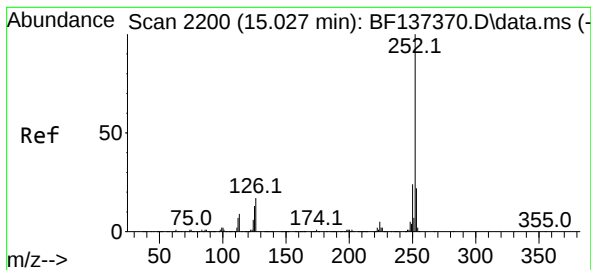
Tgt Ion:264 Resp: 435994
Ion Ratio Lower Upper
264 100
260 23.3 18.5 27.7
265 21.2 16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.493 ng
RT: 16.933 min Scan# 2524
Delta R.T. -0.035 min
Lab File: BF137393.D
Acq: 26 Feb 2024 19:03

Tgt Ion:276 Resp: 19561
Ion Ratio Lower Upper
276 100
138 24.0 25.8 38.8#
277 32.3 19.6 29.4#





#88

Benzo(b)fluoranthene

Concen: 2.940 ng

RT: 15.009 min Scan# 2197

Delta R.T. -0.018 min

Lab File: BF137393.D

Acq: 26 Feb 2024 19:03

Instrument :

BNA_F

ClientSampleId :

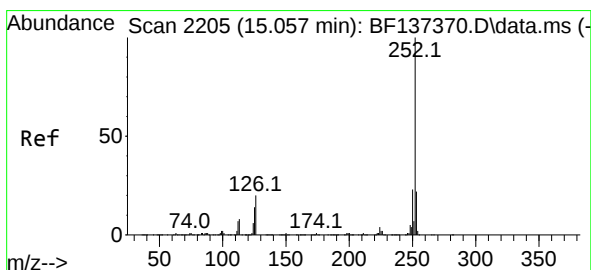
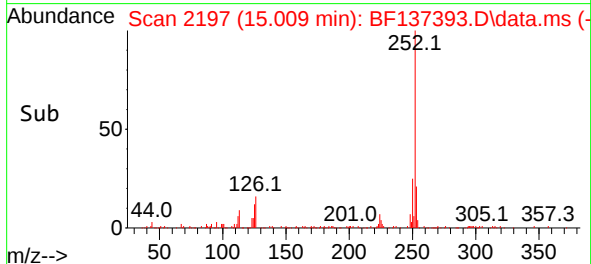
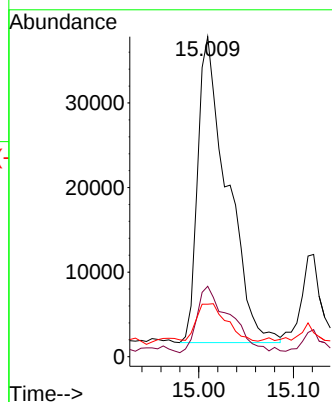
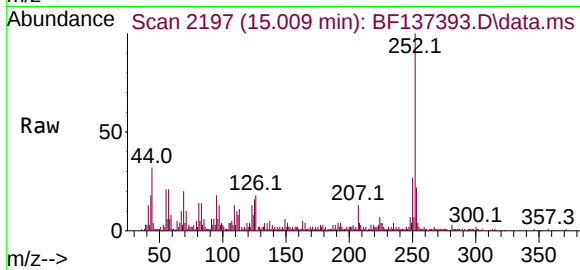
Tgt Ion:252 Resp: 78628

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 16.4 10.2 15.2#



#89

Benzo(k)fluoranthene

Concen: 2.805 ng

RT: 15.009 min Scan# 2197

Delta R.T. -0.047 min

Lab File: BF137393.D

Acq: 26 Feb 2024 19:03

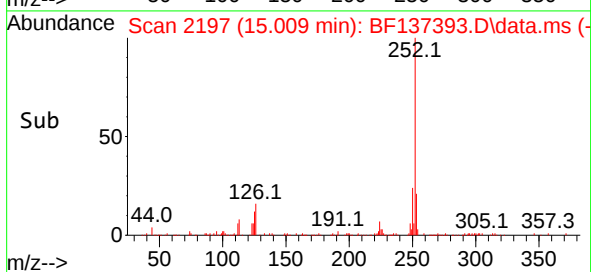
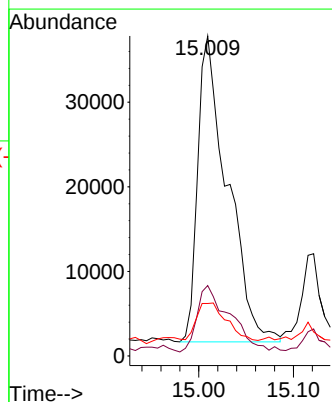
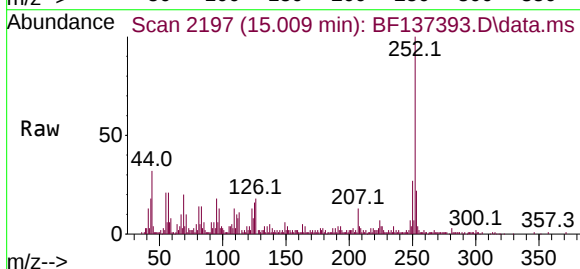
Tgt Ion:252 Resp: 78628

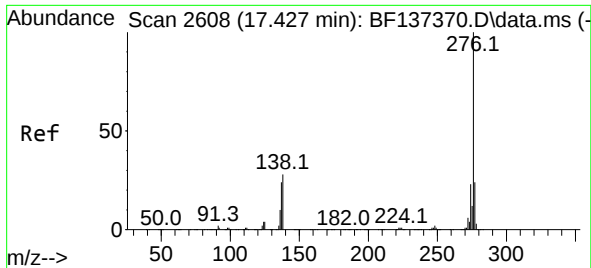
Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

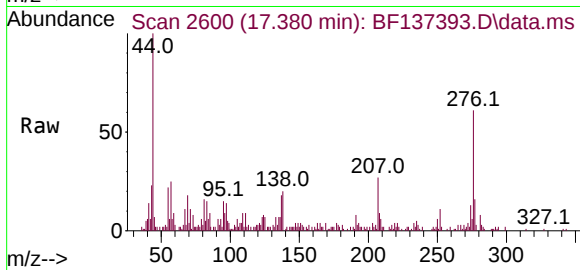
125 16.4 10.7 16.1#





#92
 Benzo(g,h,i)perylene
 Concen: 2.853 ng
 RT: 17.380 min Scan# 20
 Delta R.T. -0.047 min
 Lab File: BF137393.D
 Acq: 26 Feb 2024 19:03

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:	276	Resp:	20950
Ion Ratio	Lower	Upper	
276	100		
277	26.7	19.0	28.4
138	32.1	22.6	33.8

