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 Data File : BF137799.D
 Acq On : 01 May 2024 18:54
 Operator : CG\JU
 Sample : P2308-01DL 50X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 02 01:31:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:25:08 2024
 Response via : Initial Calibration

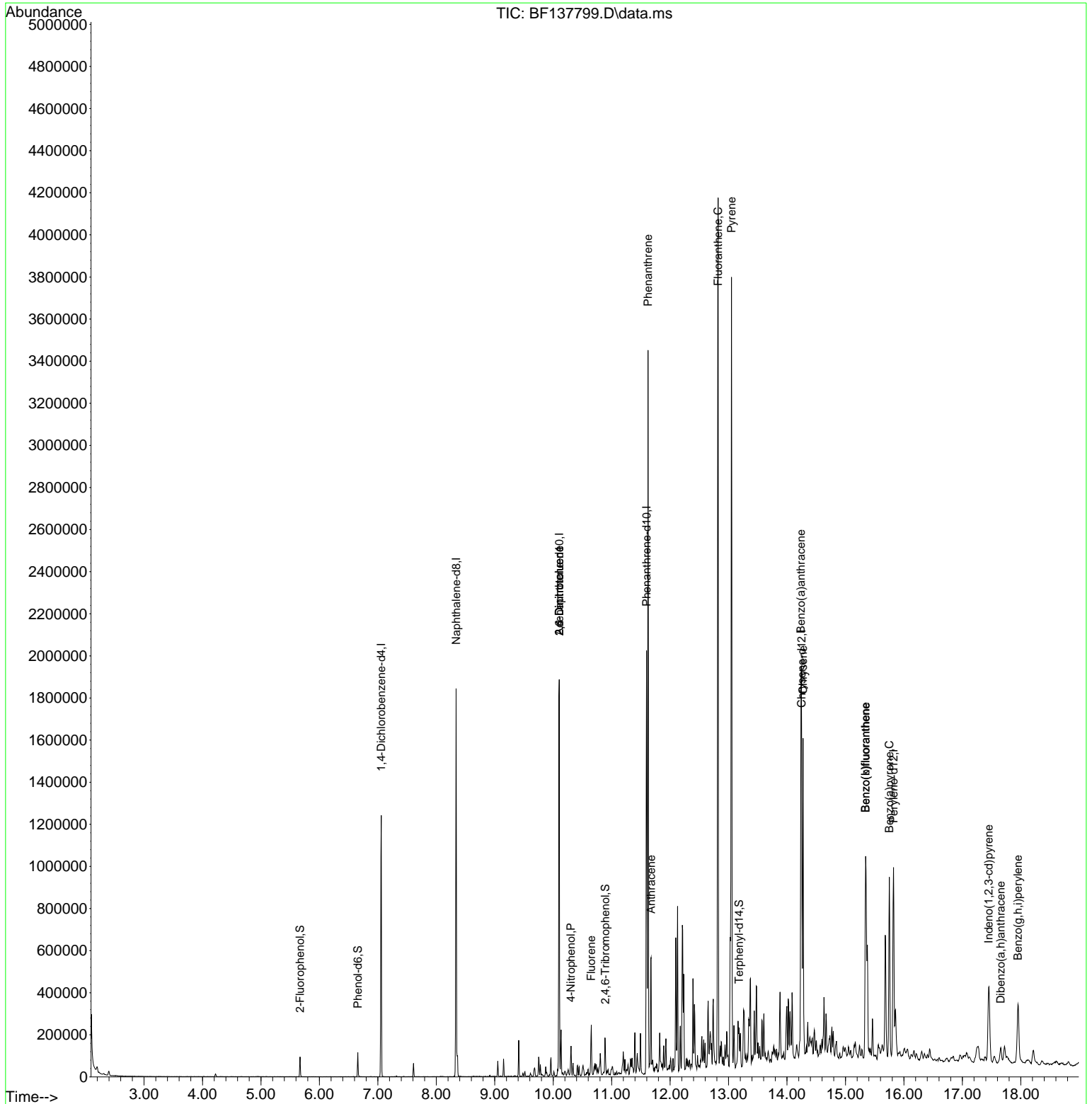
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.057	152	182242	20.000	ng	0.00
21) Naphthalene-d8	8.339	136	727035	20.000	ng	0.00
39) Acenaphthene-d10	10.104	164	412136	20.000	ng	0.00
64) Phenanthrene-d10	11.598	188	715709	20.000	ng	0.00
76) Chrysene-d12	14.251	240	402260	20.000	ng	# 0.00
86) Perylene-d12	15.821	264	431494	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.669	112	24174	2.221	ng	0.00
7) Phenol-d6	6.657	99	33065	2.395	ng	-0.02
23) Nitrobenzene-d5	7.610	82	17829	1.425	ng	-0.01
42) 2,4,6-Tribromophenol	10.892	330	8803	2.092	ng	0.00
45) 2-Fluorobiphenyl	9.410	172	45975	1.810	ng	-0.01
79) Terphenyl-d14	13.180	244	49076	2.045	ng	0.00
Target Compounds						
51) 2,6-Dinitrotoluene	10.104	165	54479	9.162	ng	# 26
56) 4-Nitrophenol	10.304	139	15664	3.035	ng	# 14
57) 2,4-Dinitrotoluene	10.104	165	54479	7.013	ng	# 26
58) Fluorene	10.651	166	60831	2.399	ng	99
71) Phenanthrene	11.622	178	1145268	32.830	ng	99
72) Anthracene	11.674	178	215495	6.208	ng	99
75) Fluoranthene	12.821	202	1674101	43.902	ng	99
78) Pyrene	13.051	202	1515566	47.518	ng	100
81) Benzo(a)anthracene	14.239	228	528409	20.538	ng	100
83) Chrysene	14.274	228	499632	20.740	ng	97
87) Indeno(1,2,3-cd)pyrene	17.451	276	254435	10.372	ng	95
88) Benzo(b)fluoranthene	15.345	252	796006	29.650	ng	97
89) Benzo(k)fluoranthene	15.345	252	796006	30.677	ng	98
90) Benzo(a)pyrene	15.751	252	422029	19.269	ng	98
91) Dibenzo(a,h)anthracene	17.656	278	46802	2.344	ng	96
92) Benzo(g,h,i)perylene	17.951	276	235667	11.258	ng	99

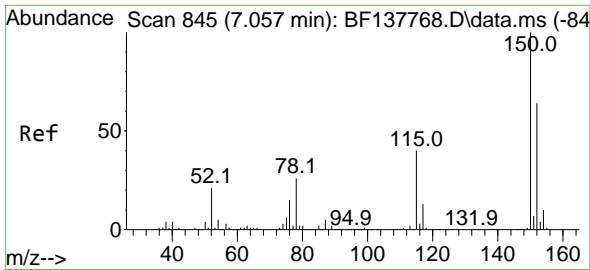
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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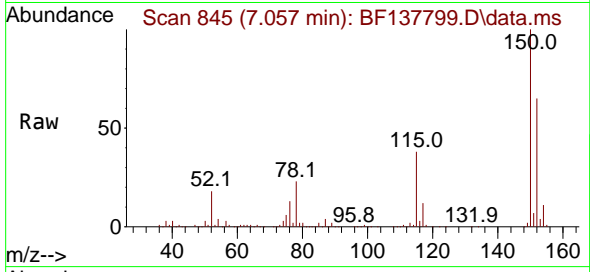
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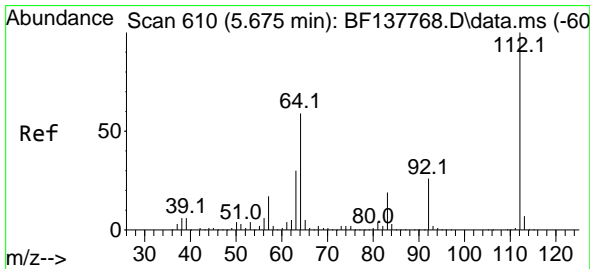
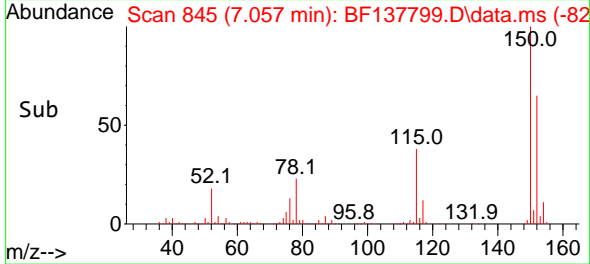
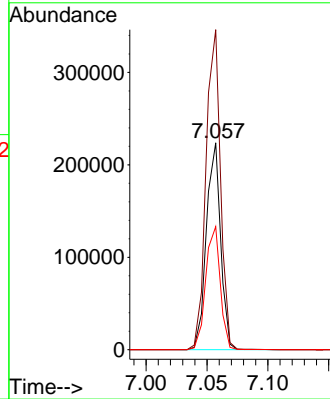


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.057 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54

Instrument :
 BNA_F
 ClientSampleId :

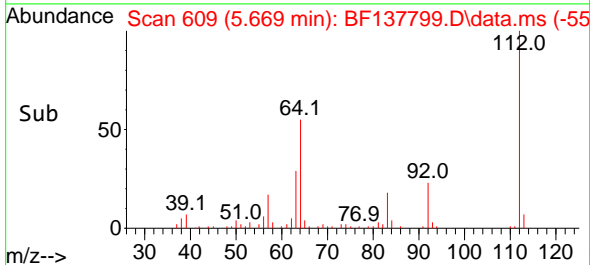
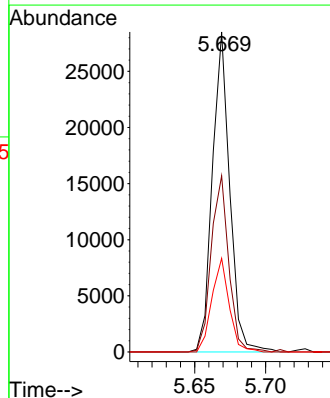
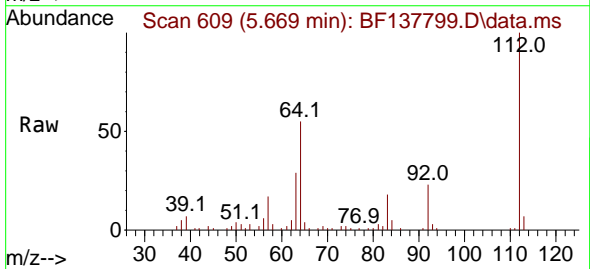


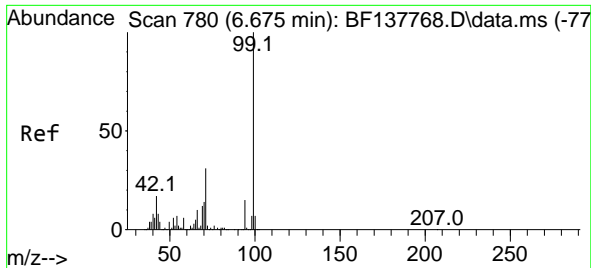
Tgt Ion:152 Resp: 182242
 Ion Ratio Lower Upper
 152 100
 150 154.7 124.1 186.1
 115 59.5 49.1 73.7



#5
 2-Fluorophenol
 Concen: 2.221 ng
 RT: 5.669 min Scan# 609
 Delta R.T. -0.006 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54

Tgt Ion:112 Resp: 24174
 Ion Ratio Lower Upper
 112 100
 64 55.0 47.3 70.9
 63 29.3 23.7 35.5



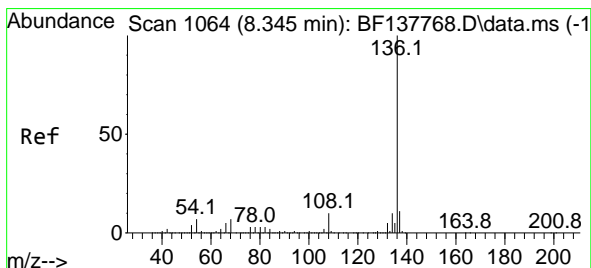
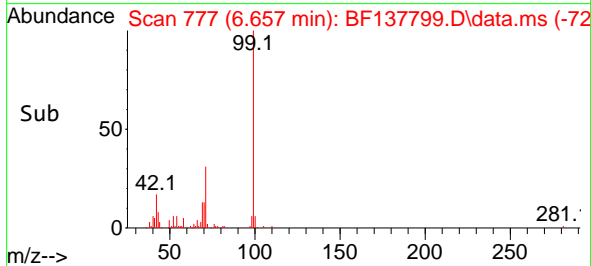
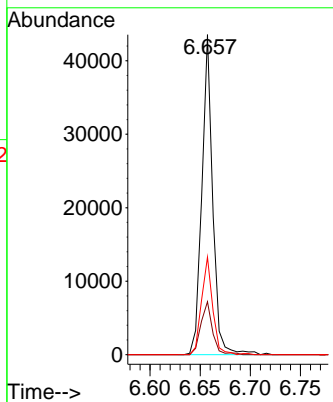
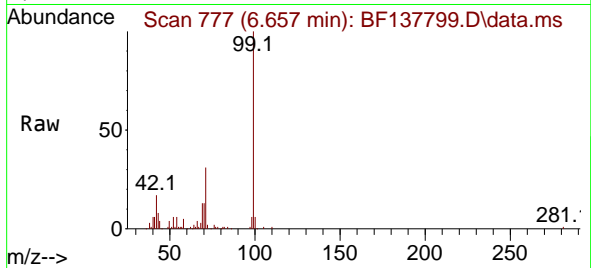


#7
 Phenol-d6
 Concen: 2.395 ng
 RT: 6.657 min Scan# 71
 Delta R.T. -0.018 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion: 99 Resp: 33065

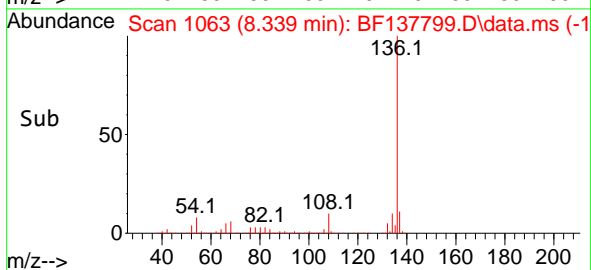
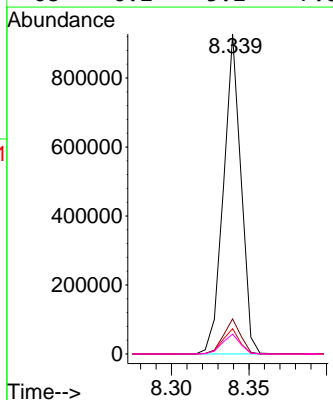
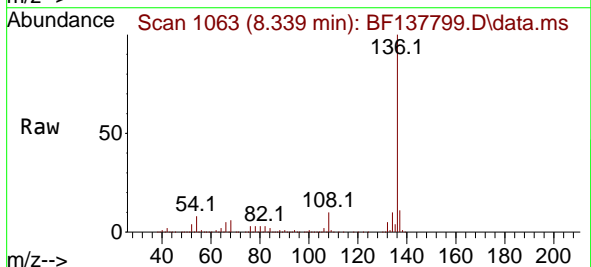
Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.2	19.8
71	30.5	25.0	37.4

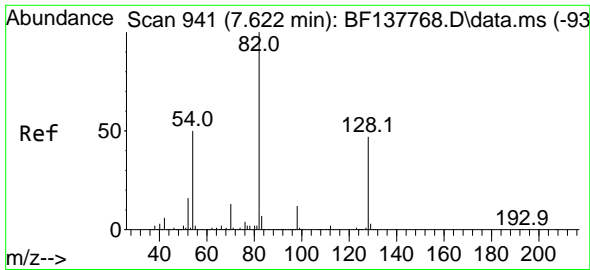


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.339 min Scan# 1063
 Delta R.T. -0.006 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54

Tgt Ion: 136 Resp: 727035

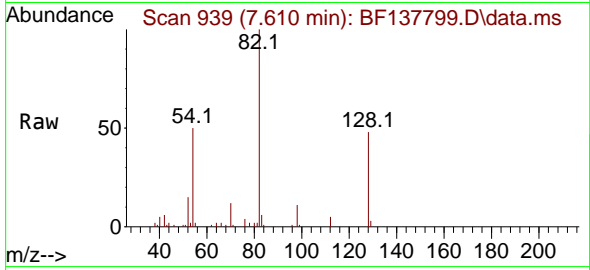
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.9	5.8	8.8
68	6.2	5.2	7.8



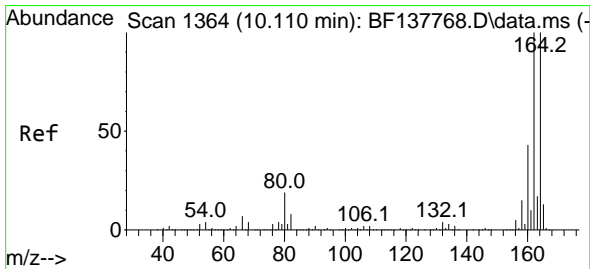
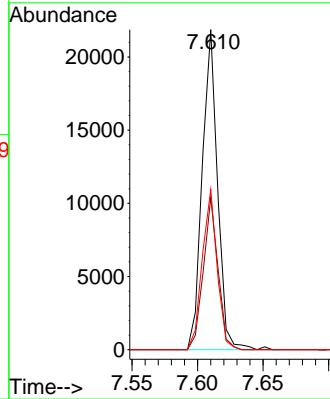
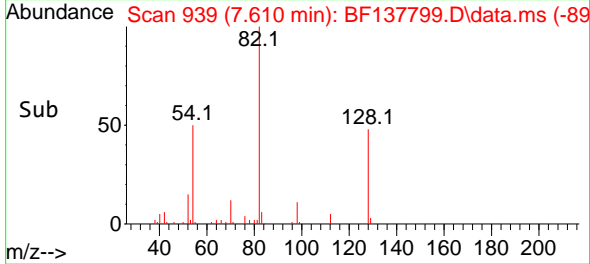


#23
 Nitrobenzene-d5
 Concen: 1.425 ng
 RT: 7.610 min Scan# 91
 Delta R.T. -0.012 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54

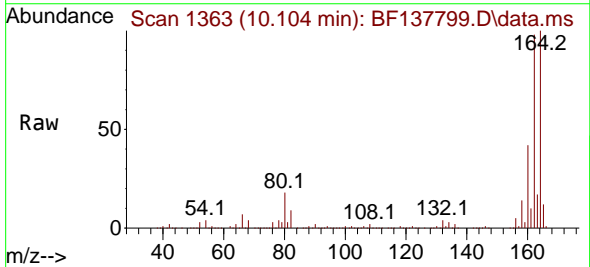
Instrument :
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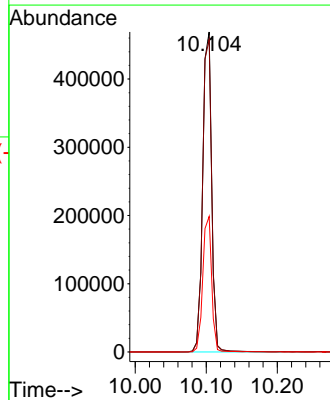
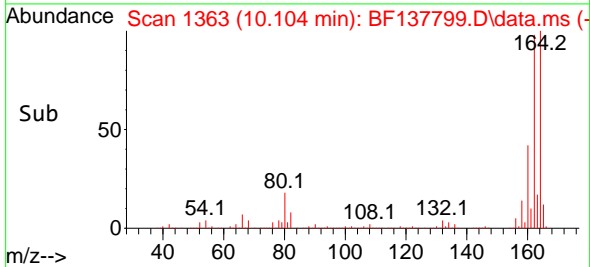
Tgt Ion: 82 Resp: 17829
 Ion Ratio Lower Upper
 82 100
 128 47.6 37.5 56.3
 54 50.1 39.8 59.6

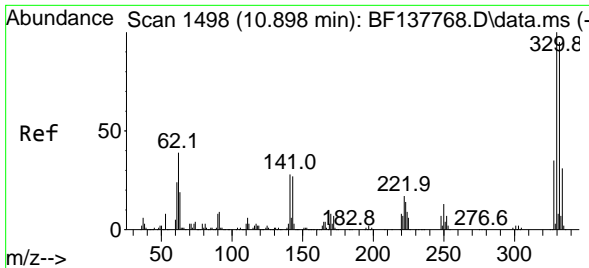


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.104 min Scan# 1363
 Delta R.T. -0.006 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54



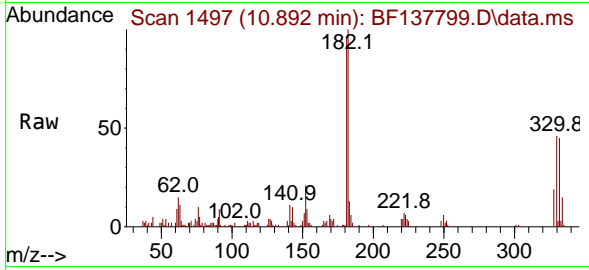
Tgt Ion: 164 Resp: 412136
 Ion Ratio Lower Upper
 164 100
 162 97.7 79.8 119.6
 160 42.4 34.4 51.6



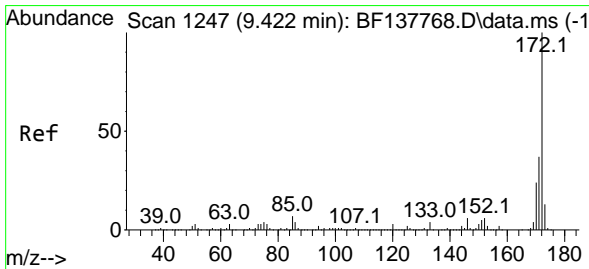
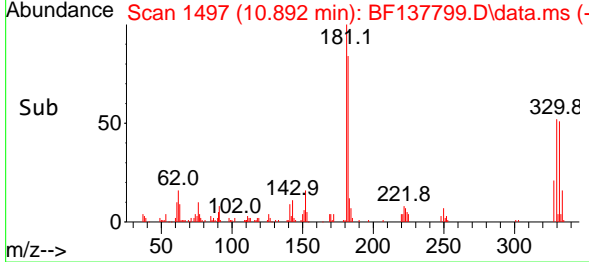
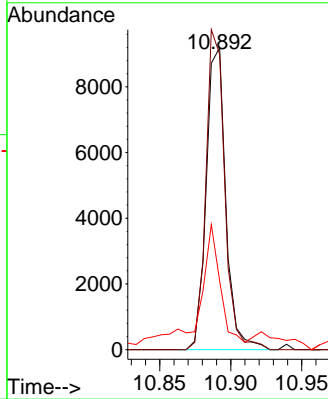


#42
 2,4,6-Tribromophenol
 Concen: 2.092 ng
 RT: 10.892 min Scan# 1497
 Delta R.T. -0.006 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54

Instrument : BNA_F
 ClientSampleId :

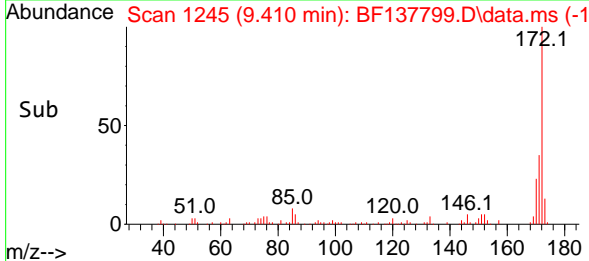
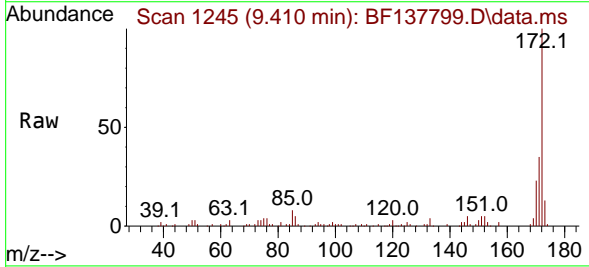
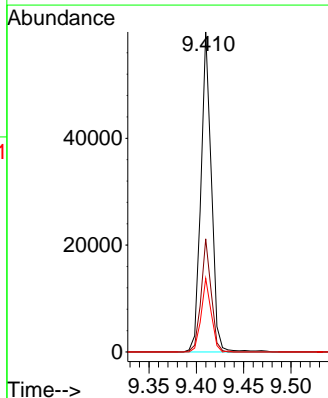


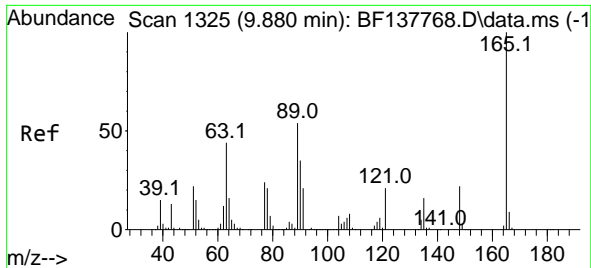
Tgt Ion:330 Resp: 8803
 Ion Ratio Lower Upper
 330 100
 332 102.0 77.3 115.9
 141 41.4 23.8 35.6#



#45
 2-Fluorobiphenyl
 Concen: 1.810 ng
 RT: 9.410 min Scan# 1245
 Delta R.T. -0.012 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54

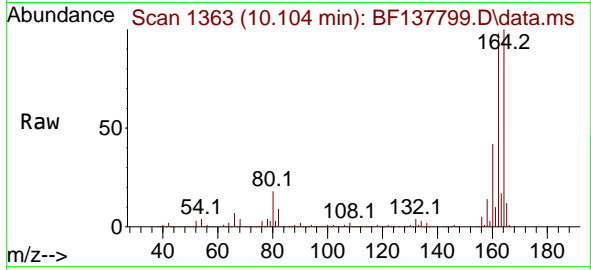
Tgt Ion:172 Resp: 45975
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.6 44.4
 170 23.0 19.4 29.2



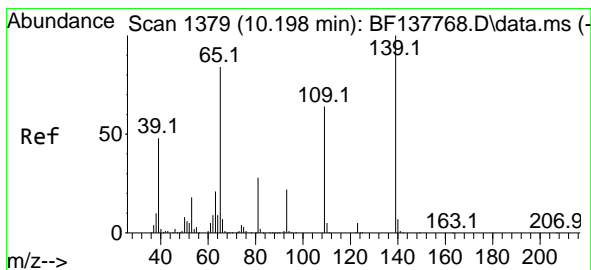
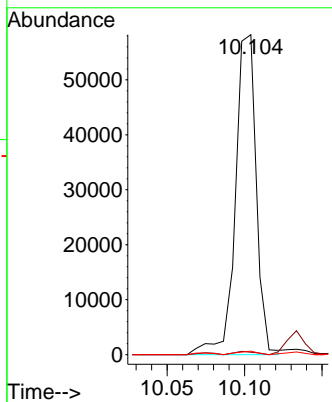
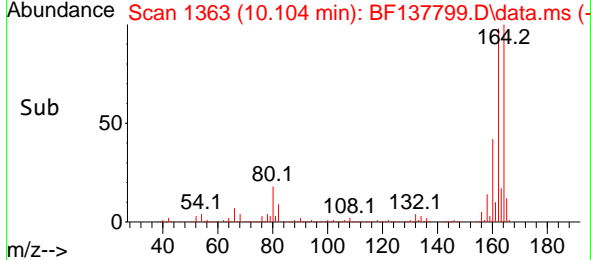


#51
 2,6-Dinitrotoluene
 Concen: 9.162 ng
 RT: 10.104 min Scan# 1363
 Delta R.T. 0.223 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54

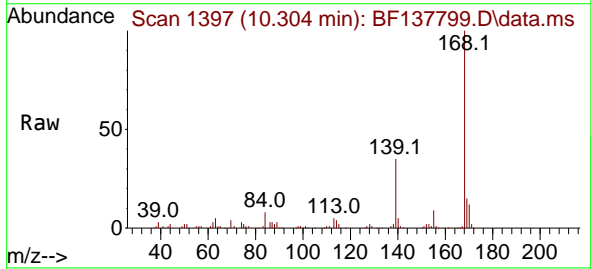
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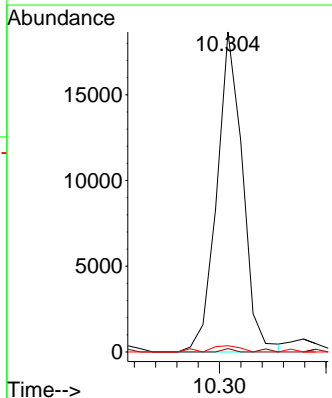
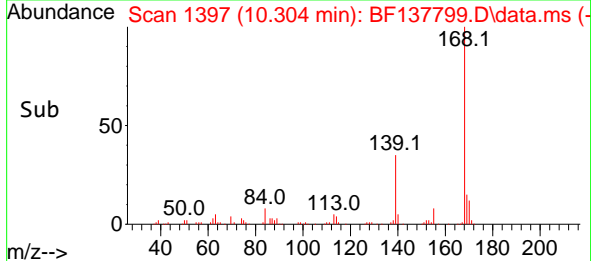
Tgt Ion:165 Resp: 54479
 Ion Ratio Lower Upper
 165 100
 63 0.8 41.9 62.9#
 89 1.1 43.2 64.8#

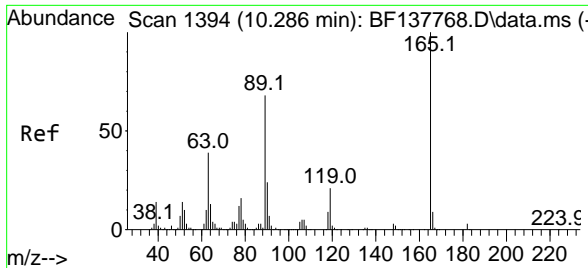


#56
 4-Nitrophenol
 Concen: 3.035 ng
 RT: 10.304 min Scan# 1397
 Delta R.T. 0.106 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54



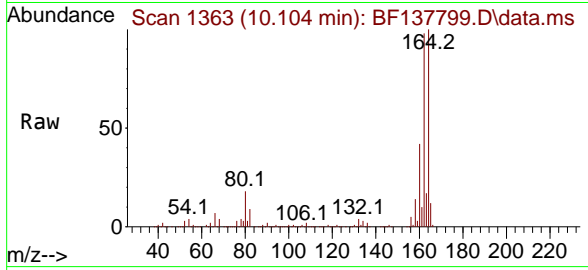
Tgt Ion:139 Resp: 15664
 Ion Ratio Lower Upper
 139 100
 109 1.1 44.0 84.0#
 65 1.9 64.3 104.3#



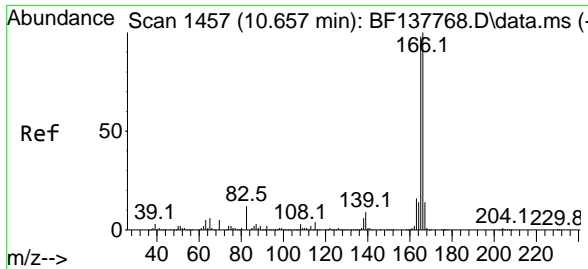
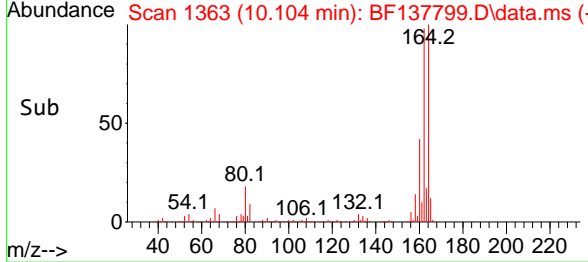
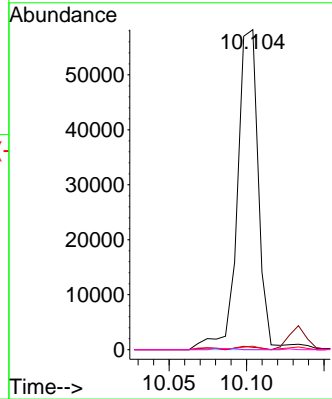


#57
 2,4-Dinitrotoluene
 Concen: 7.013 ng
 RT: 10.104 min Scan# 11
 Delta R.T. -0.182 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54

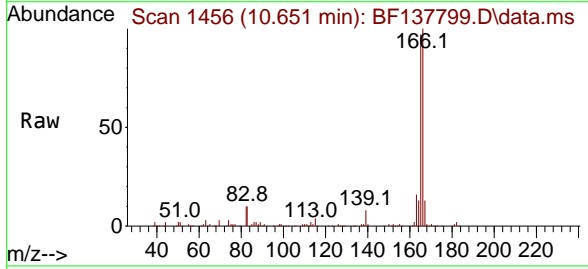
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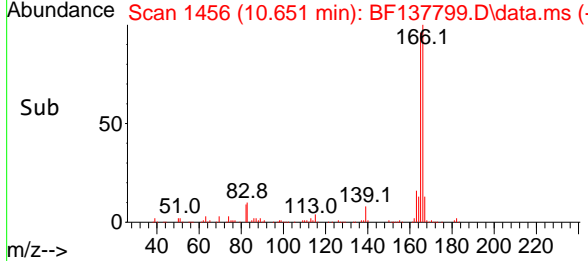
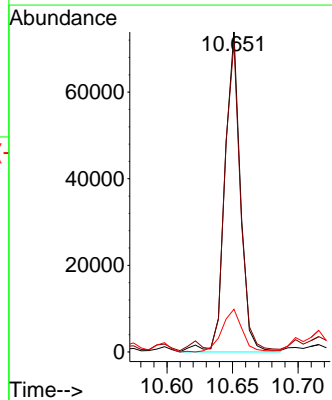
Tgt Ion:165 Resp: 54479
 Ion Ratio Lower Upper
 165 100
 63 0.8 31.3 46.9#
 89 1.1 54.2 81.4#
 182 0.0 2.2 3.2#

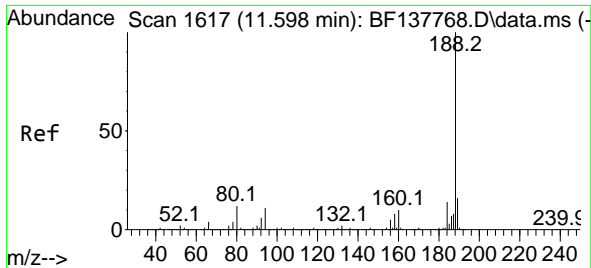


#58
 Fluorene
 Concen: 2.399 ng
 RT: 10.651 min Scan# 1456
 Delta R.T. -0.006 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54



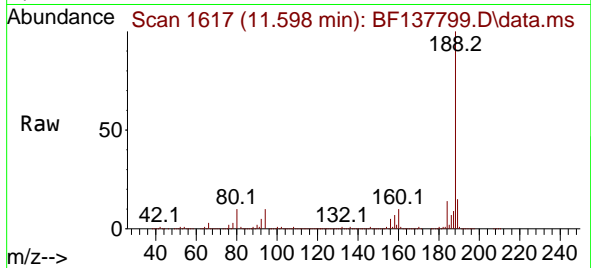
Tgt Ion:166 Resp: 60831
 Ion Ratio Lower Upper
 166 100
 165 96.7 78.2 117.2
 167 13.3 10.9 16.3



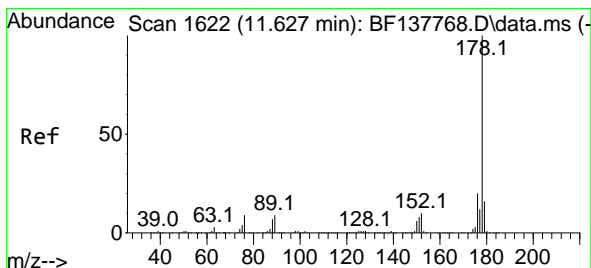
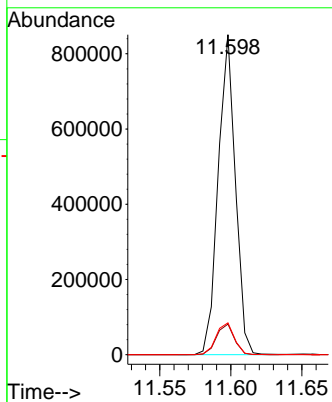
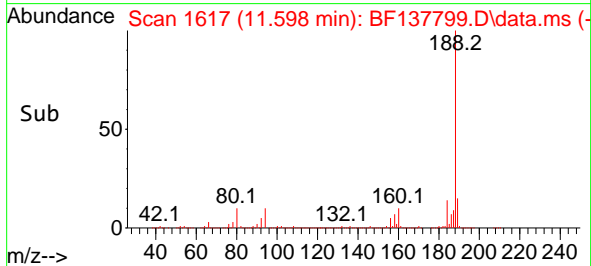


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.598 min Scan# 1617
 Delta R.T. -0.000 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54

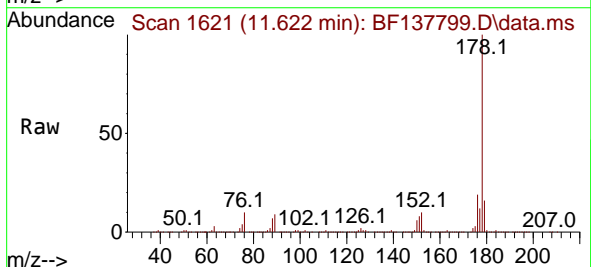
Instrument :
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 ClientSampleId :



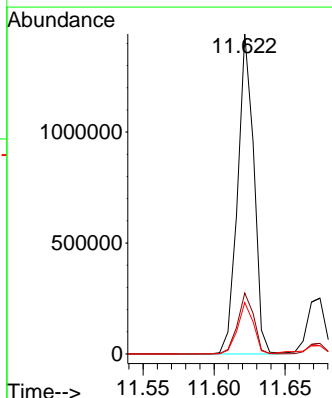
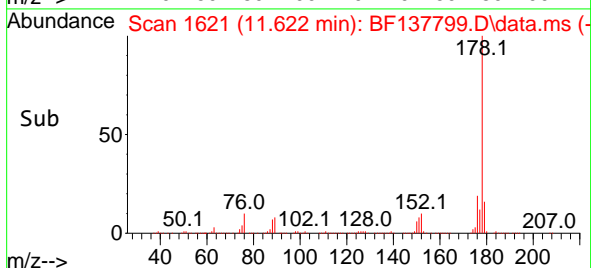
Tgt Ion:188 Resp: 715709
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.8 13.2
 80 9.9 9.6 14.4

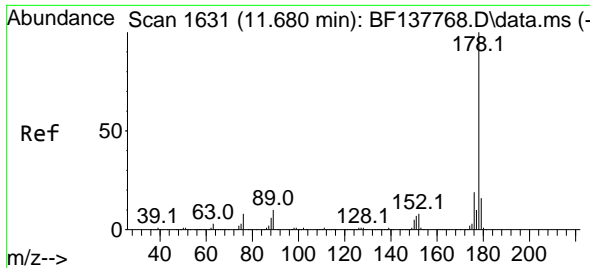


#71
 Phenanthrene
 Concen: 32.830 ng
 RT: 11.622 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54



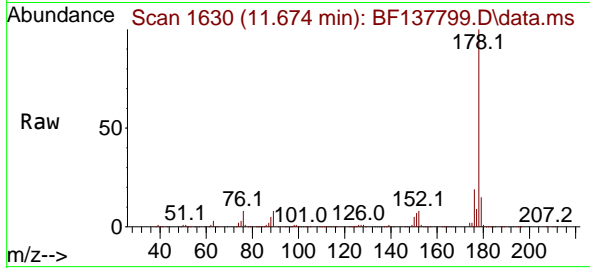
Tgt Ion:178 Resp: 1145268
 Ion Ratio Lower Upper
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 176 19.0 15.8 23.6
 179 16.0 12.5 18.7



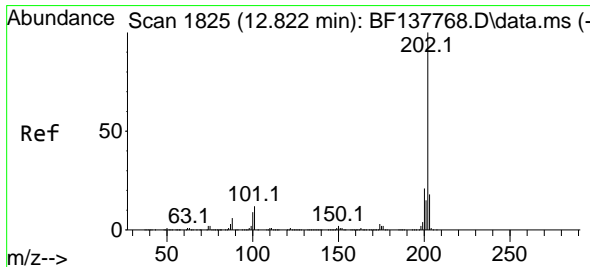
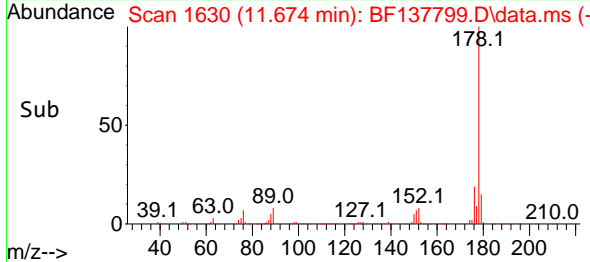
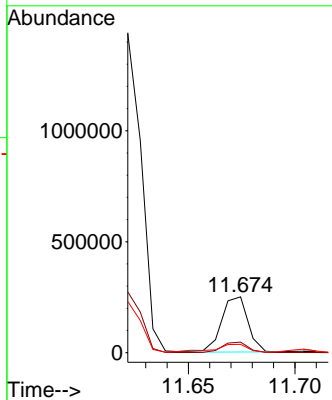


#72
 Anthracene
 Concen: 6.208 ng
 RT: 11.674 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54

Instrument :
 BNA_F
 ClientSampleId :

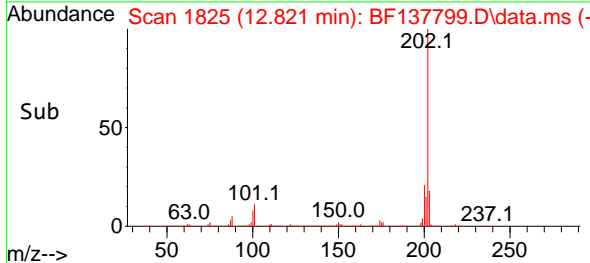
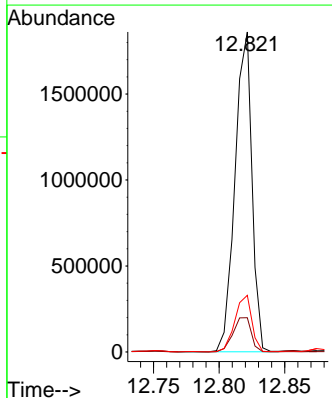
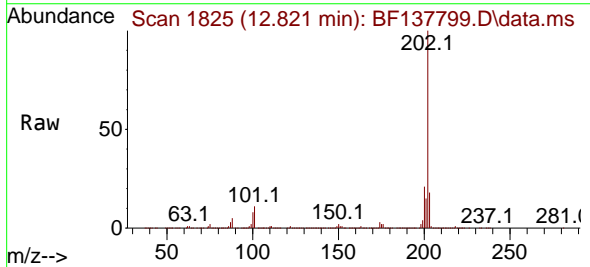


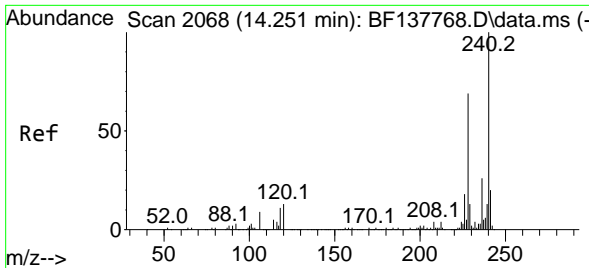
Tgt Ion:178 Resp: 215495
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.2 22.8
 179 15.0 12.6 18.8



#75
 Fluoranthene
 Concen: 43.902 ng
 RT: 12.821 min Scan# 1825
 Delta R.T. -0.000 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54

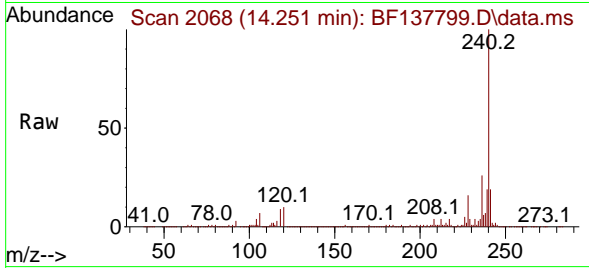
Tgt Ion:202 Resp: 1674101
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 31.8
 203 17.7 0.0 37.8



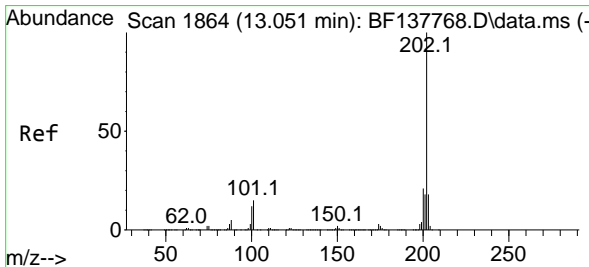
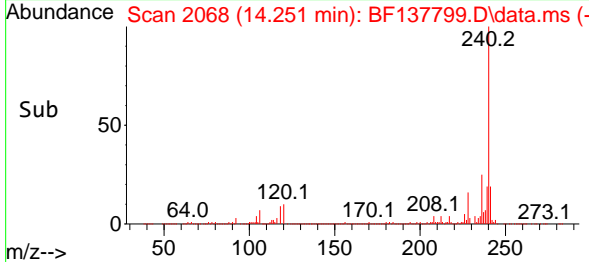
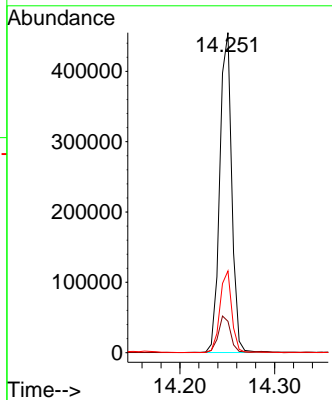


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.251 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54

Instrument :
 BNA_F
 ClientSampleId :

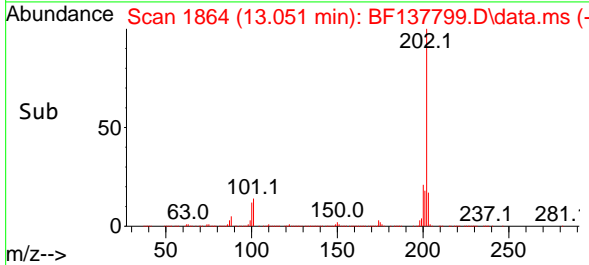
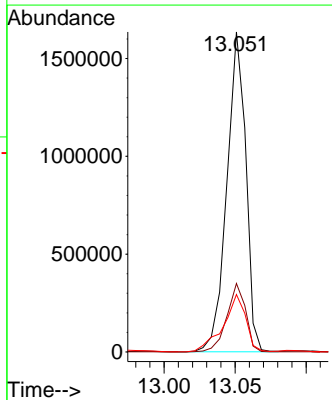
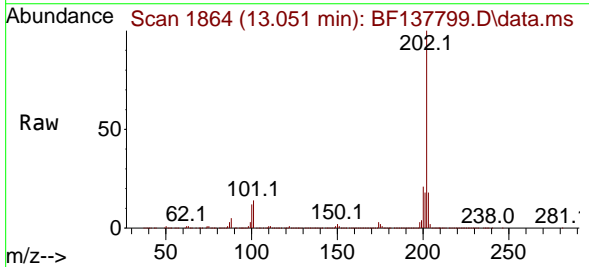


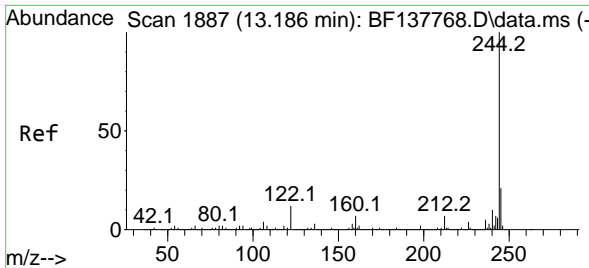
Tgt Ion:240 Resp: 402260
 Ion Ratio Lower Upper
 240 100
 120 9.8 10.4 15.6#
 236 25.6 20.4 30.6



#78
 Pyrene
 Concen: 47.518 ng
 RT: 13.051 min Scan# 1864
 Delta R.T. -0.000 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54

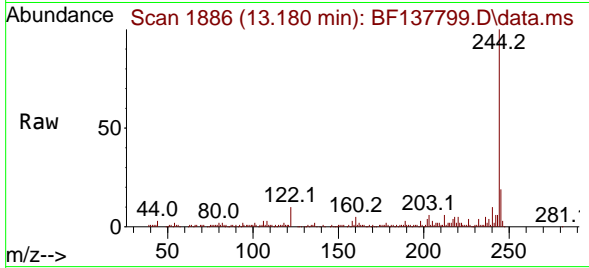
Tgt Ion:202 Resp: 1515566
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.2 25.8
 203 17.9 14.4 21.6



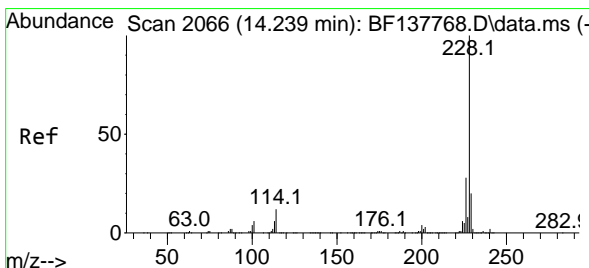
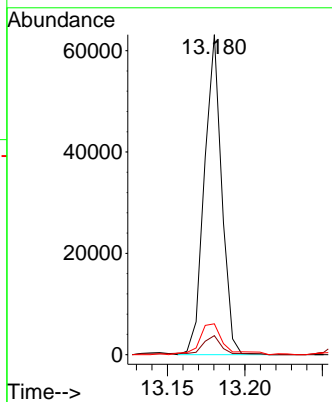
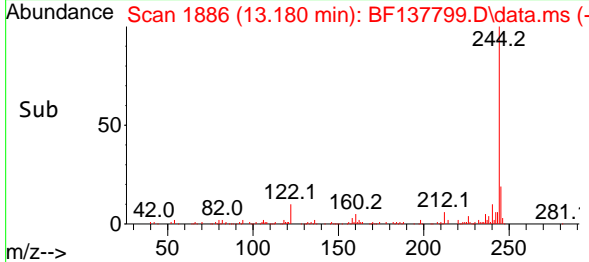


#79
 Terphenyl-d14
 Concen: 2.045 ng
 RT: 13.180 min Scan# 1886
 Delta R.T. -0.006 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54

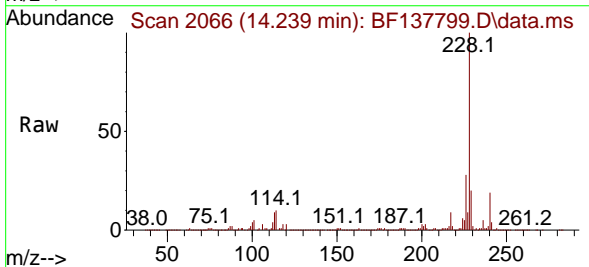
Instrument : BNA_F
 ClientSampleId :



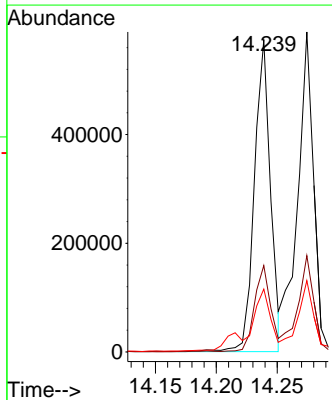
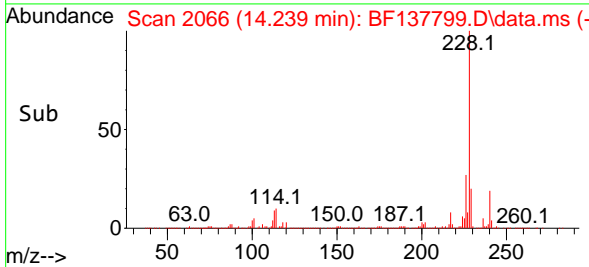
Tgt Ion:244 Resp: 49076
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.5 8.3
 122 9.7 9.4 14.2

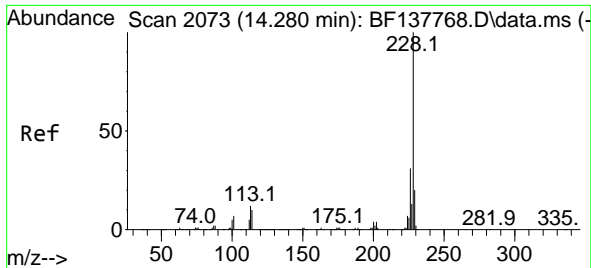


#81
 Benzo(a)anthracene
 Concen: 20.538 ng
 RT: 14.239 min Scan# 2066
 Delta R.T. -0.000 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54



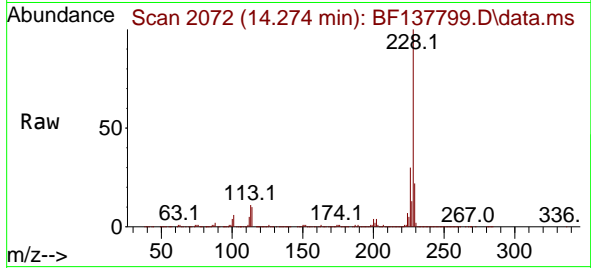
Tgt Ion:228 Resp: 528409
 Ion Ratio Lower Upper
 228 100
 226 27.6 22.2 33.2
 229 20.1 16.3 24.5





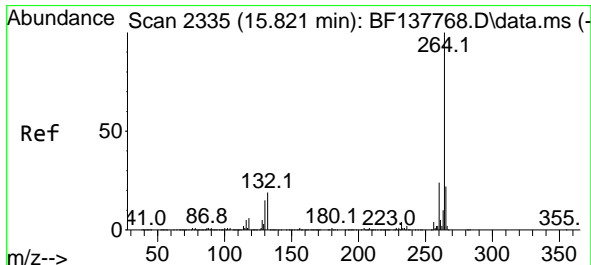
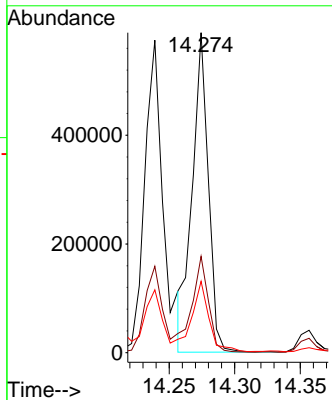
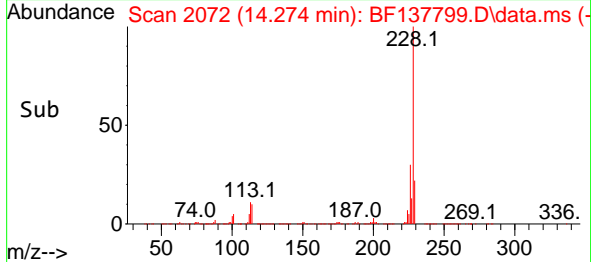
#83
 Chrysene
 Concen: 20.740 ng
 RT: 14.274 min Scan# 2072
 Delta R.T. -0.006 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54

Instrument : BNA_F
 Client SampleId :

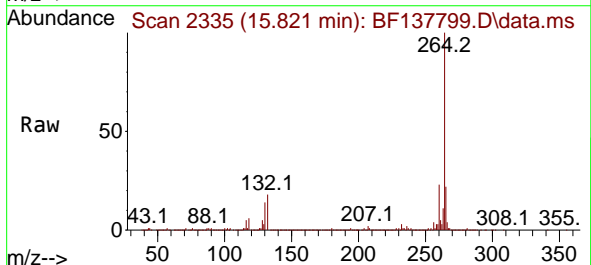


Tgt Ion: 228 Resp: 499632

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.8	37.2
229	22.3	16.0	24.0

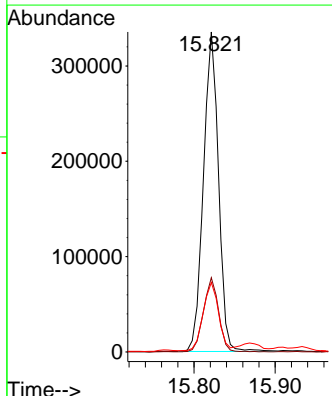
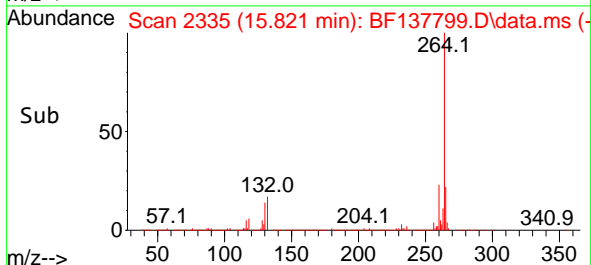


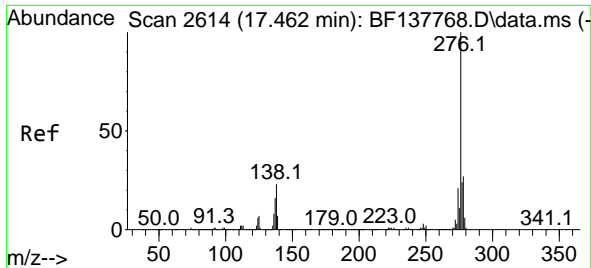
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.821 min Scan# 2335
 Delta R.T. -0.000 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54



Tgt Ion: 264 Resp: 431494

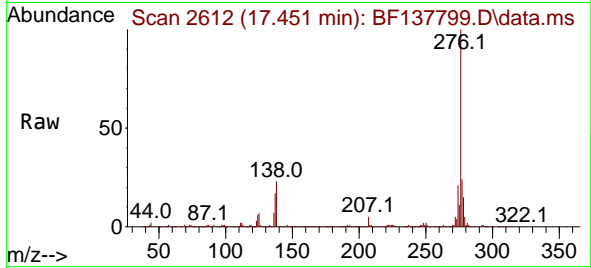
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.9	28.3
265	21.7	17.4	26.0



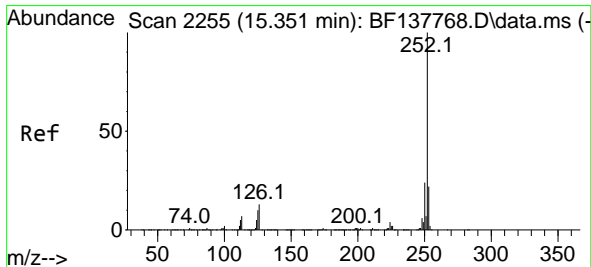
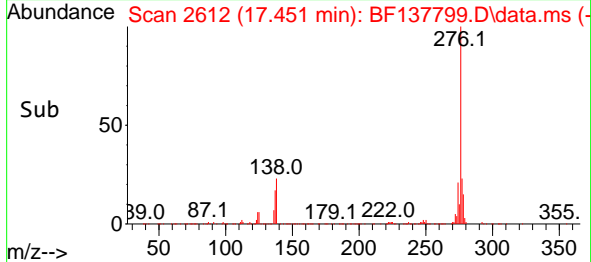
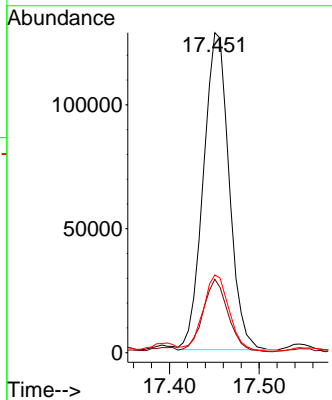


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.372 ng
 RT: 17.451 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54

Instrument :
 BNA_F
 ClientSampleId :

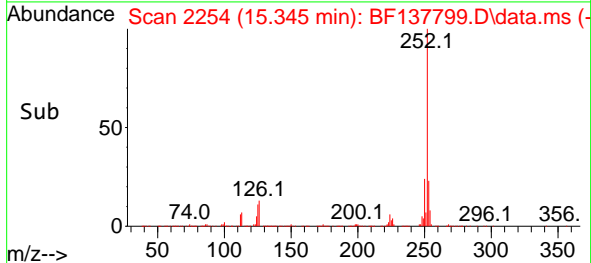
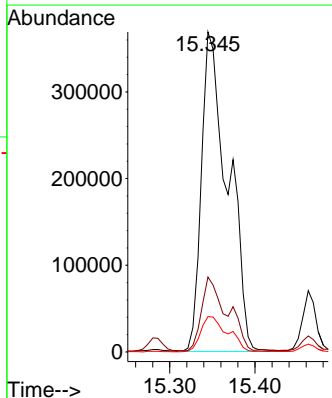
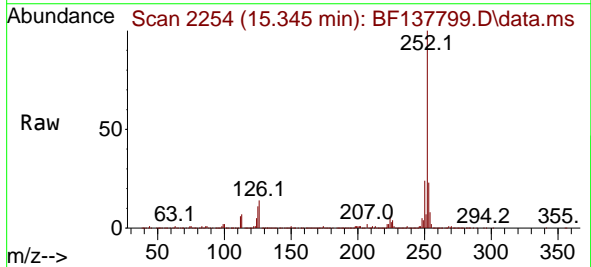


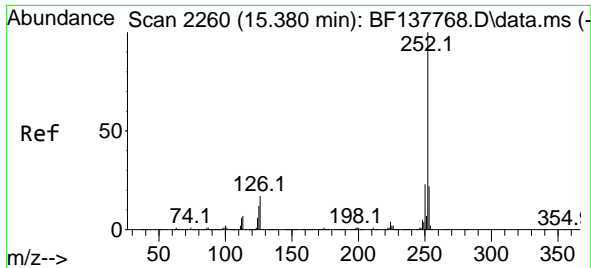
Tgt Ion:276 Resp: 254435
 Ion Ratio Lower Upper
 276 100
 138 22.4 21.4 32.0
 277 24.4 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 29.650 ng
 RT: 15.345 min Scan# 2254
 Delta R.T. -0.006 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54

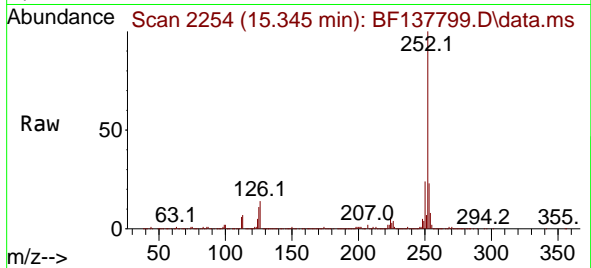
Tgt Ion:252 Resp: 796006
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.5 26.3
 125 11.1 7.9 11.9



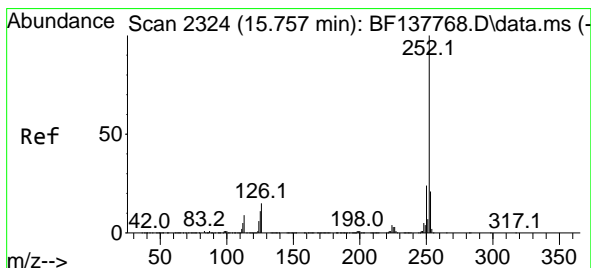
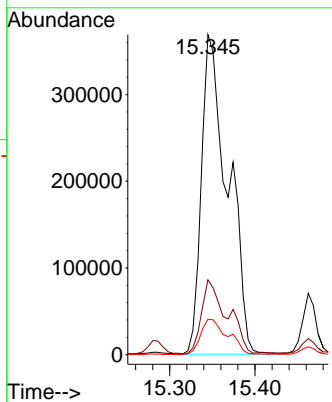
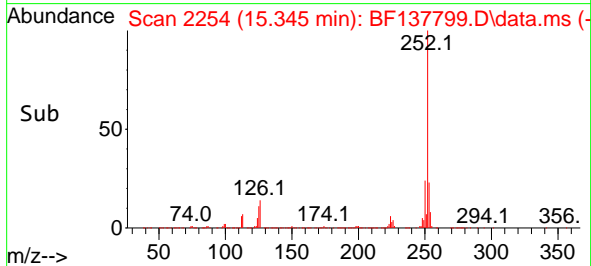


#89
 Benzo(k)fluoranthene
 Concen: 30.677 ng
 RT: 15.345 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54

Instrument :
 BNA_F
 ClientSampleId :

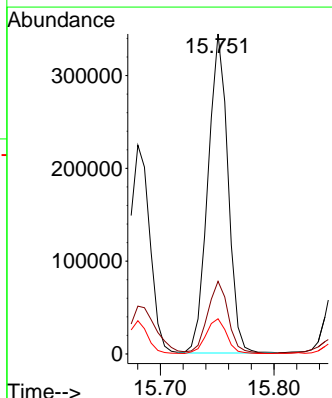
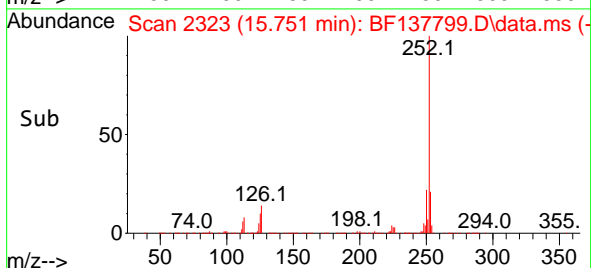
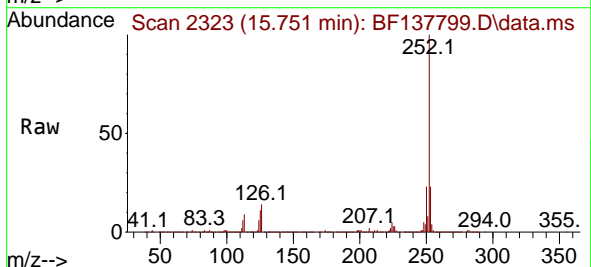


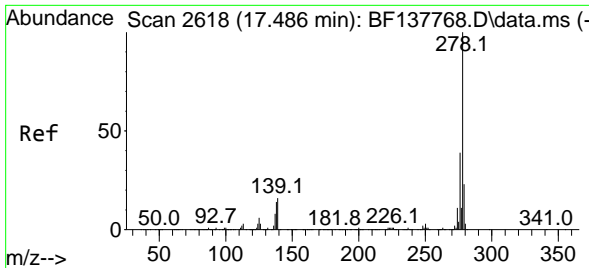
Tgt Ion:252 Resp: 796006
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.5 26.3
 125 11.1 9.0 13.4



#90
 Benzo(a)pyrene
 Concen: 19.269 ng
 RT: 15.751 min Scan# 2323
 Delta R.T. -0.006 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54

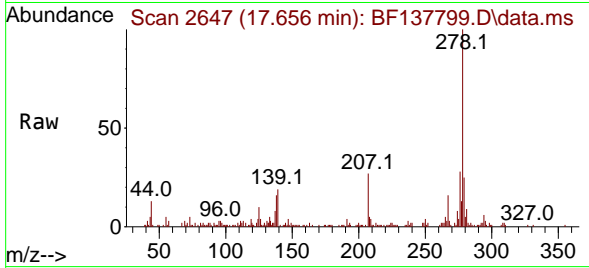
Tgt Ion:252 Resp: 422029
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.1 25.7
 125 11.0 9.0 13.6



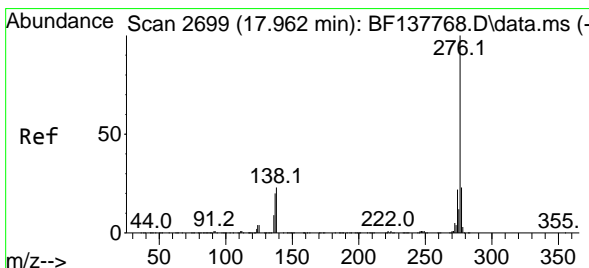
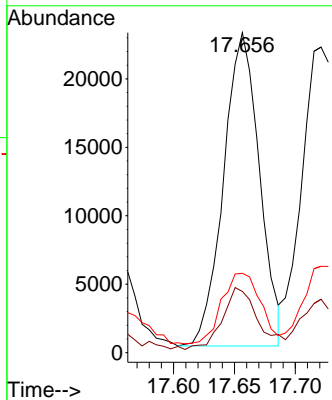
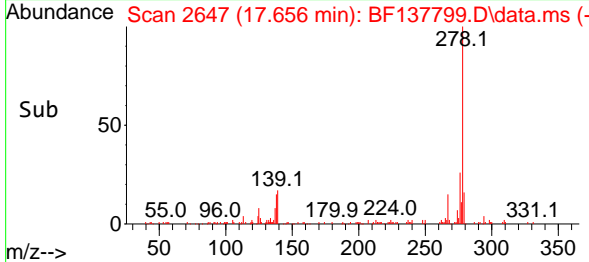


#91
 Dibenzo(a,h)anthracene
 Concen: 2.344 ng
 RT: 17.656 min Scan# 20
 Delta R.T. 0.171 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54

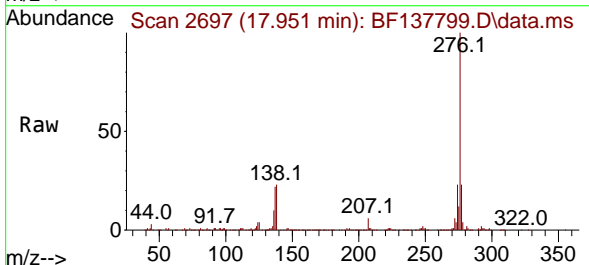
Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:278 Resp: 46802
 Ion Ratio Lower Upper
 278 100
 139 19.1 13.0 19.6
 279 24.8 18.7 28.1



#92
 Benzo(g,h,i)perylene
 Concen: 11.258 ng
 RT: 17.951 min Scan# 2697
 Delta R.T. -0.012 min
 Lab File: BF137799.D
 Acq: 01 May 2024 18:54



Tgt Ion:276 Resp: 235667
 Ion Ratio Lower Upper
 276 100
 277 23.3 18.0 27.0
 138 22.6 18.1 27.1

