

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071521\
 Data File : BF124583.D
 Acq On : 15 Jul 2021 21:25
 Operator : JU/CG
 Sample : M3026-05RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ABN-JG-2RE

Quant Time: Jul 16 02:52:07 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 08 07:49:42 2021
 Response via : Initial Calibration

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

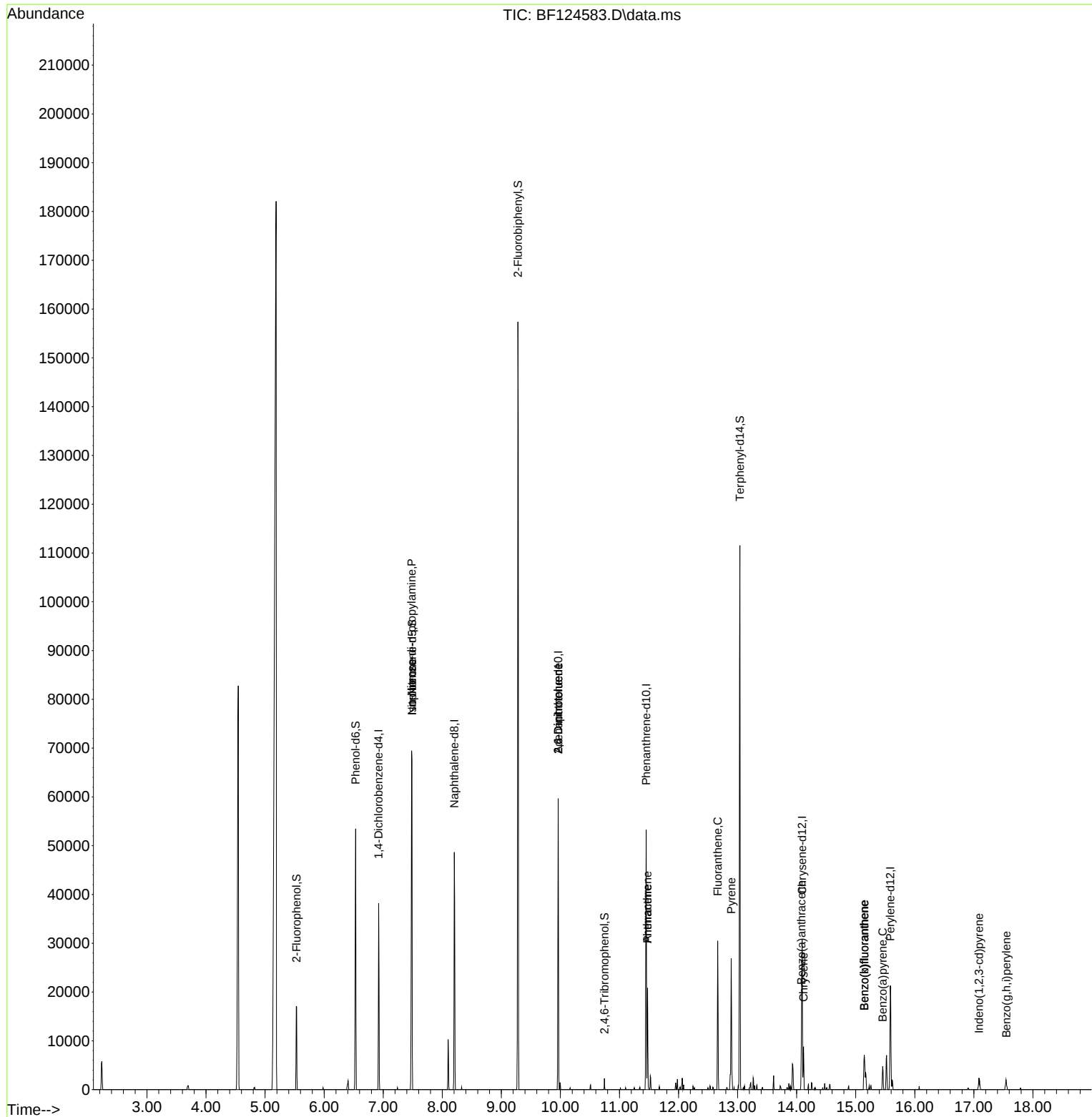
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	5374	20.00	ng	0.00
21) Naphthalene-d8	8.204	136	21038	20.00	ng	# 0.00
39) Acenaphthene-d10	9.963	164	11659	20.00	ng	0.00
64) Phenanthrene-d10	11.451	188	18401	20.00	ng	0.00
76) Chrysene-d12	14.092	240	10831	20.00	ng	0.00
86) Perylene-d12	15.586	264	11101	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	5094	16.42	ng	0.00
7) Phenol-d6	6.534	99	14978	39.69	ng	-0.01
23) Nitrobenzene-d5	7.487	82	21344	64.05	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	206	2.27	ng	-0.01
45) 2-Fluorobiphenyl	9.281	172	48949	61.22	ng	0.00
79) Terphenyl-d14	13.039	244	35822	55.54	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	2738	12.91	ng	# 85
25) Isophorone	7.487	82	21344	34.89	ng	# 59
51) 2,6-Dinitrotoluene	9.963	165	1459	9.12	ng	# 26
57) 2,4-Dinitrotoluene	9.963	165	1459	6.66	ng	# 18
71) Phenanthrene	11.475	178	7934	7.90	ng	97
72) Anthracene	11.475	178	7934	7.88	ng	97
75) Fluoranthene	12.663	202	12639	12.48	ng	99
78) Pyrene	12.892	202	11174	12.42	ng	95
81) Benzo(a)anthracene	14.080	228	5075	7.07	ng	99
83) Chrysene	14.116	228	3846	5.59	ng	98
87) Indeno(1,2,3-cd)pyrene	17.086	276	2311	3.59	ng	# 69
88) Benzo(b)fluoranthene	15.145	252	7654	9.61	ng	# 94
89) Benzo(k)fluoranthene	15.145	252	7654	10.47	ng	99
90) Benzo(a)pyrene	15.457	252	2849	4.33	ng	93
92) Benzo(g,h,i)perylene	17.551	276	2113	3.95	ng	# 71

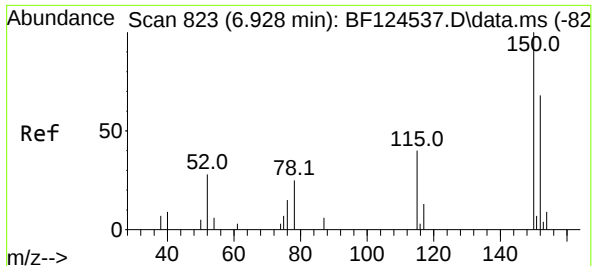
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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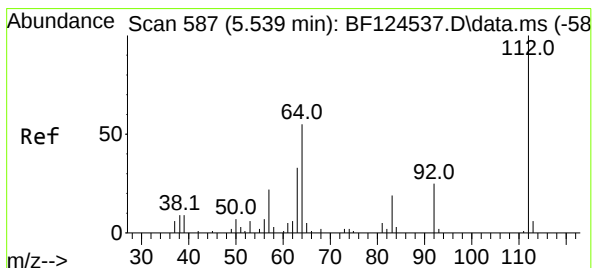
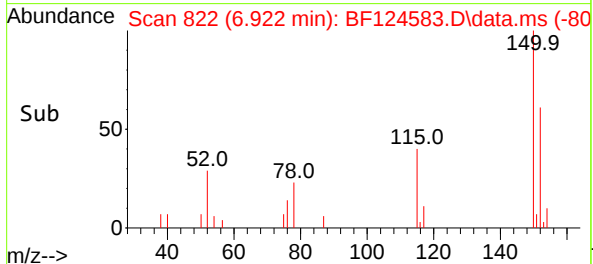
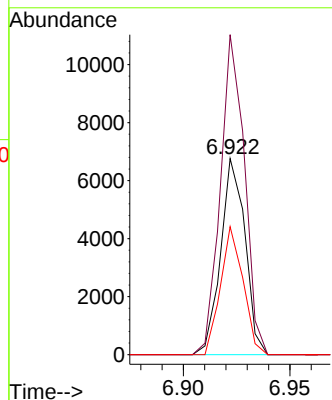
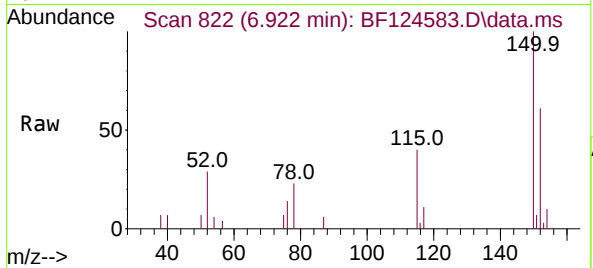




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.922 min Scan# 822
Delta R.T. -0.006 min
Lab File: BF124583.D
Acq: 15 Jul 2021 21:25

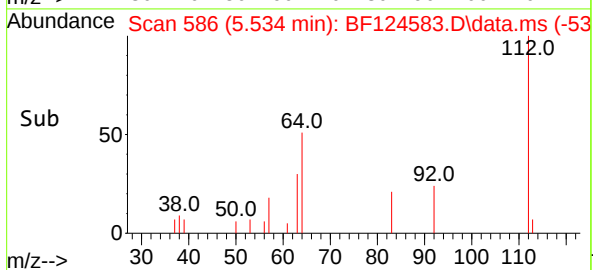
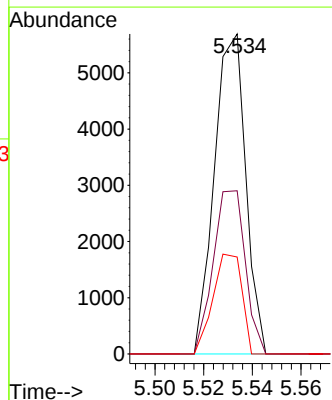
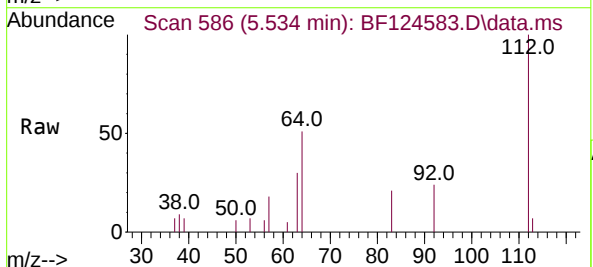
Instrument :
BNA_F
ClientSampleId :
ABN-JG-2RE

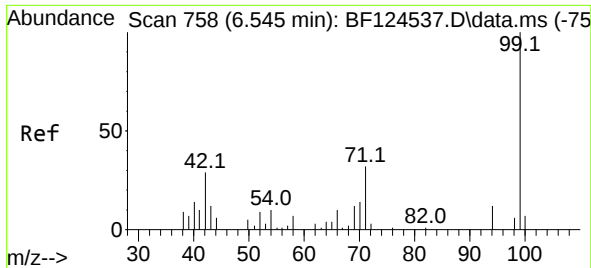
Tgt Ion:152 Resp: 5374
Ion Ratio Lower Upper
152 100
150 163.2 117.6 176.4
115 65.3 47.1 70.7



#5
2-Fluorophenol
Concen: 16.42 ng
RT: 5.534 min Scan# 586
Delta R.T. -0.005 min
Lab File: BF124583.D
Acq: 15 Jul 2021 21:25

Tgt Ion:112 Resp: 5094
Ion Ratio Lower Upper
112 100
64 51.0 44.2 66.2
63 30.3 26.2 39.2

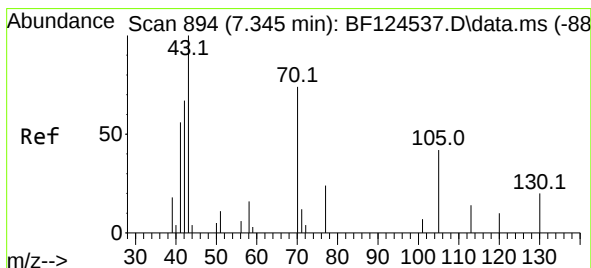
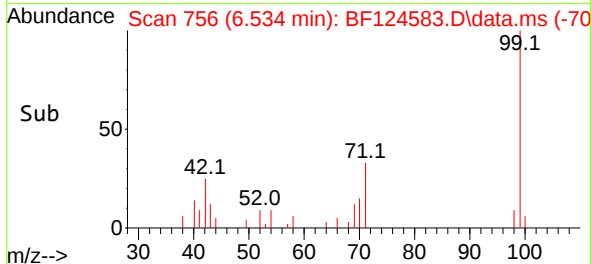
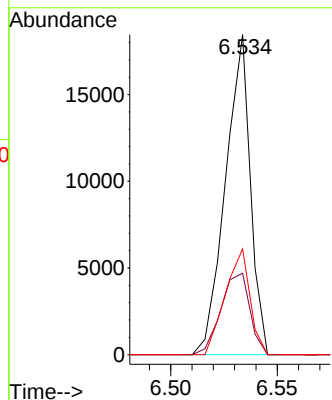
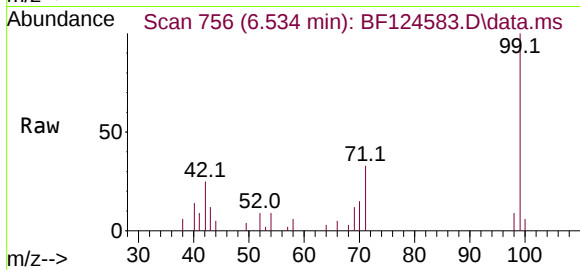




#7
Phenol-d6
Concen: 39.69 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.011 min
Lab File: BF124583.D
Acq: 15 Jul 2021 21:25

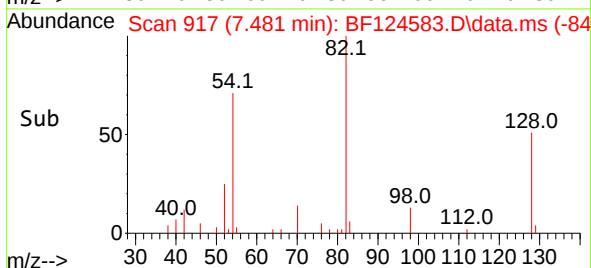
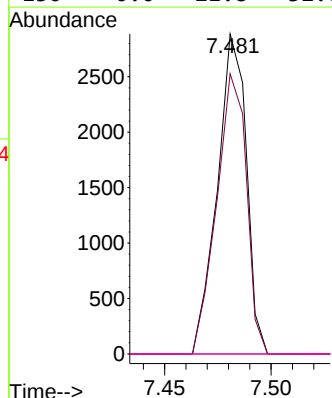
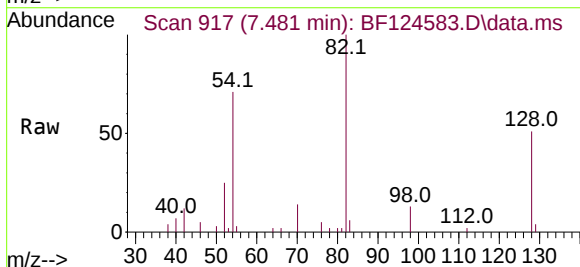
Instrument :
BNA_F
ClientSampleId :
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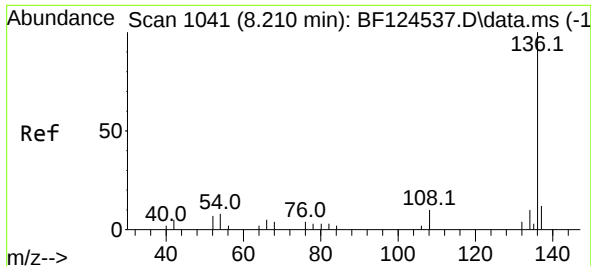
Tgt Ion:	99	Resp:	14978
Ion	Ratio	Lower	Upper
99	100		
42	25.5	23.5	35.3
71	33.1	25.6	38.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.91 ng
RT: 7.481 min Scan# 917
Delta R.T. 0.135 min
Lab File: BF124583.D
Acq: 15 Jul 2021 21:25

Tgt Ion:	70	Resp:	2738
Ion	Ratio	Lower	Upper
70	100		
42	87.6	72.2	108.2
101	0.0	7.8	11.8#
130	0.0	21.8	32.6#

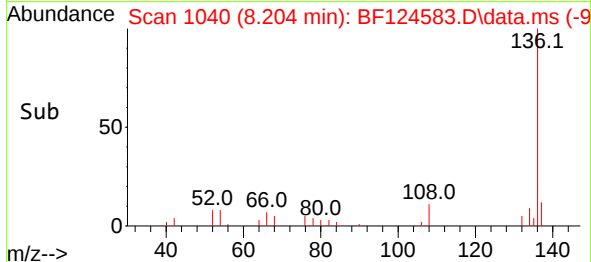
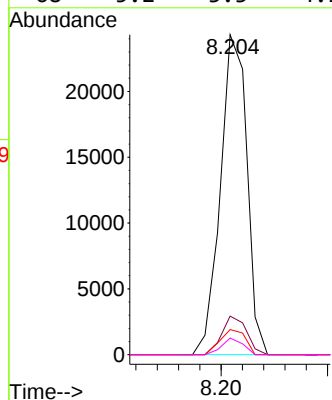
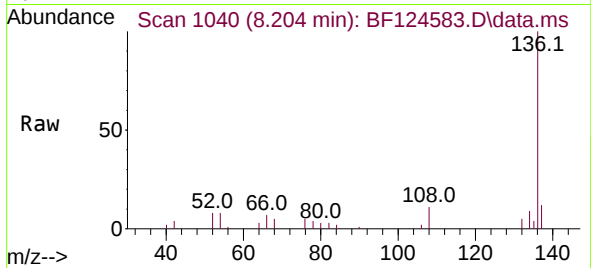




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BF124583.D
Acq: 15 Jul 2021 21:25

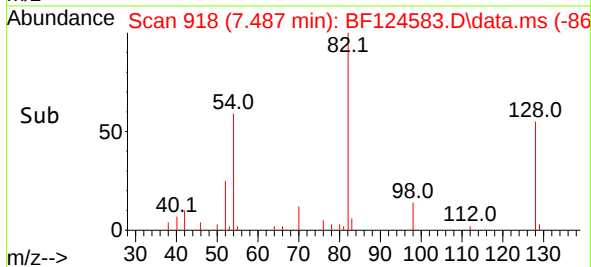
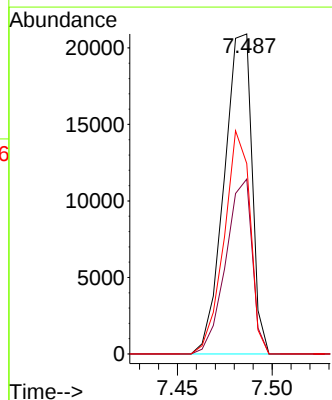
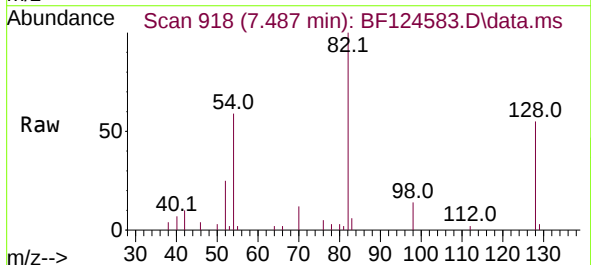
Instrument :
BNA_F
ClientSampleId :
ABN-JG-2RE

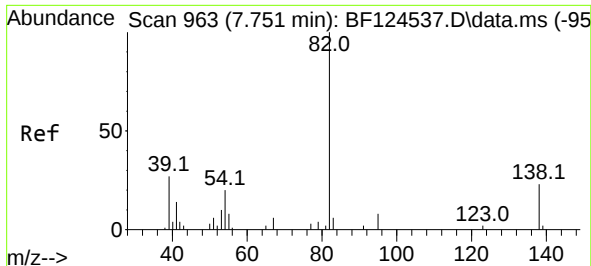
Tgt Ion:	136	Resp:	21038
Ion Ratio	Lower	Upper	
136	100		
137	12.1	9.8	14.6
54	7.9	6.4	9.6
68	5.2	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 64.05 ng
RT: 7.487 min Scan# 918
Delta R.T. -0.005 min
Lab File: BF124583.D
Acq: 15 Jul 2021 21:25

Tgt Ion:	82	Resp:	21344
Ion Ratio	Lower	Upper	
82	100		
128	54.7	40.6	60.8
54	59.5	49.6	74.4

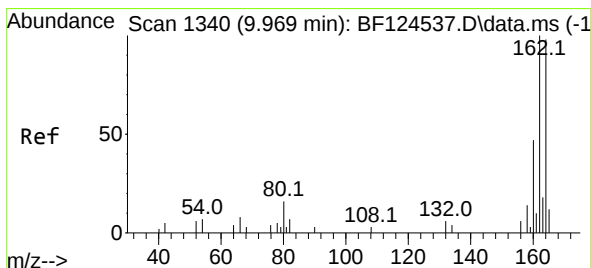
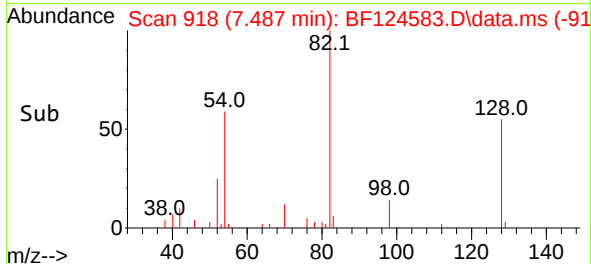
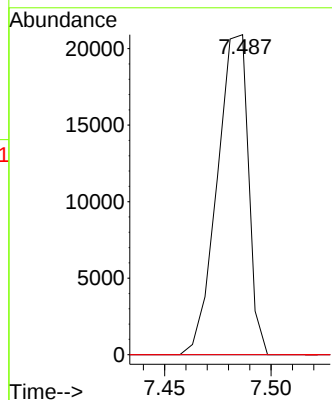
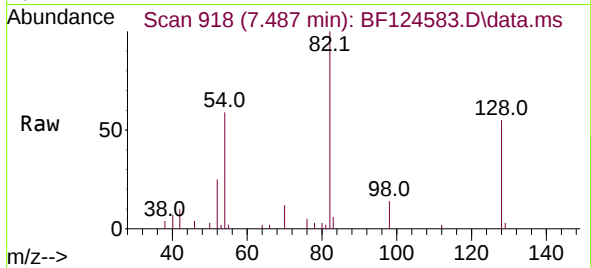




#25
Isophorone
Concen: 34.89 ng
RT: 7.487 min Scan# 918
Delta R.T. -0.265 min
Lab File: BF124583.D
Acq: 15 Jul 2021 21:25

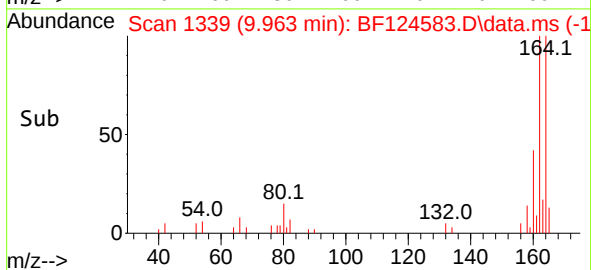
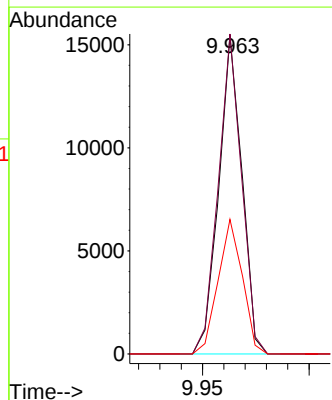
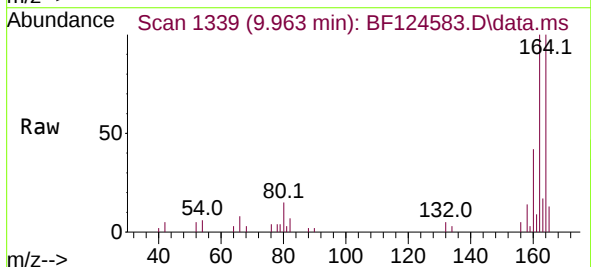
Instrument :
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ClientSampleId :
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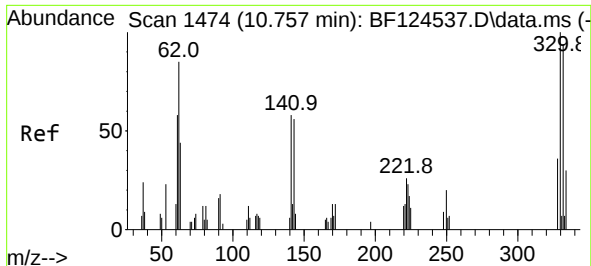
Tgt Ion: 82 Resp: 21344
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF124583.D
Acq: 15 Jul 2021 21:25

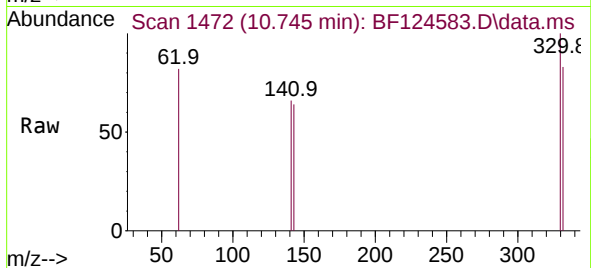
Tgt Ion: 164 Resp: 11659
Ion Ratio Lower Upper
164 100
162 100.4 81.3 121.9
160 42.2 38.0 57.0



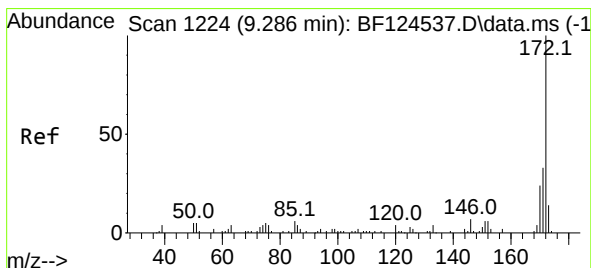
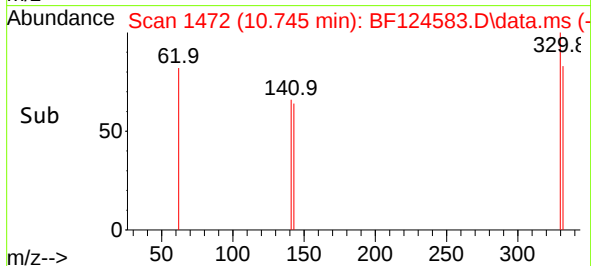
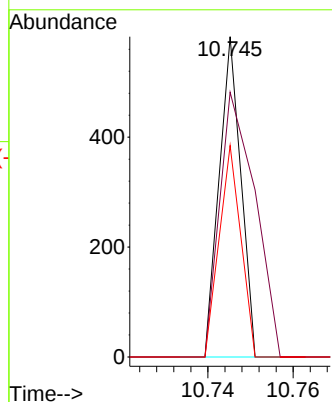


#42
2,4,6-Tribromophenol
Concen: 2.27 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.012 min
Lab File: BF124583.D
Acq: 15 Jul 2021 21:25

Instrument :
BNA_F
ClientSampleId :
ABN-JG-2RE

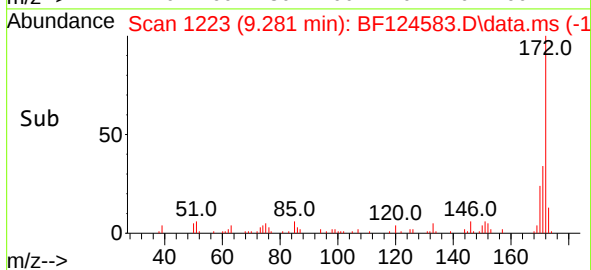
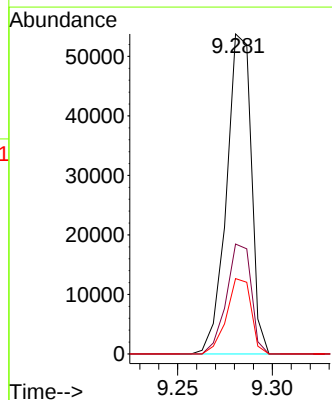
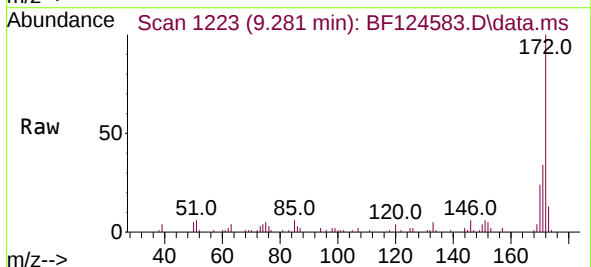


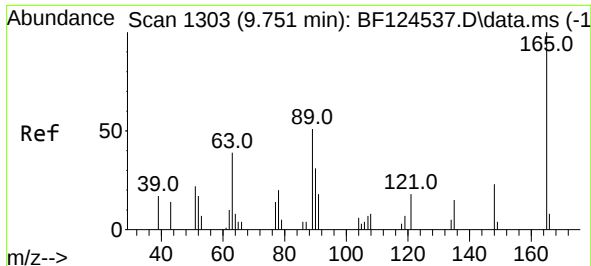
Tgt Ion: 330 Resp: 206
Ion Ratio Lower Upper
330 100
332 134.5 76.2 114.4#
141 66.0 44.6 66.8



#45
2-Fluorobiphenyl
Concen: 61.22 ng
RT: 9.281 min Scan# 1223
Delta R.T. -0.005 min
Lab File: BF124583.D
Acq: 15 Jul 2021 21:25

Tgt Ion: 172 Resp: 48949
Ion Ratio Lower Upper
172 100
171 34.4 26.5 39.7
170 23.6 18.8 28.2

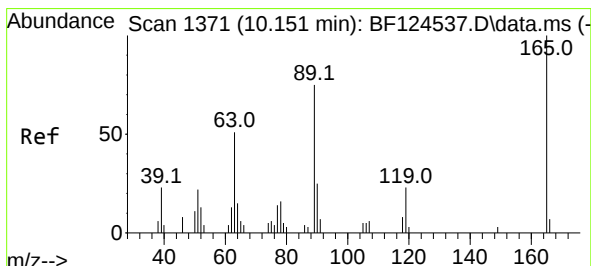
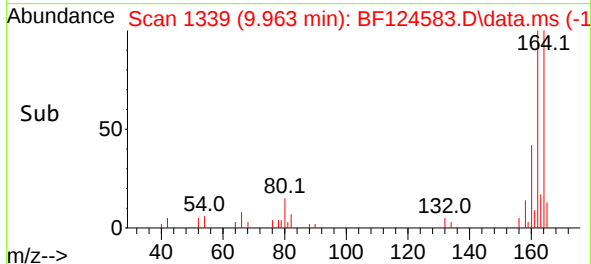
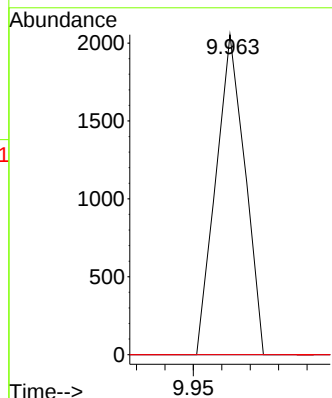
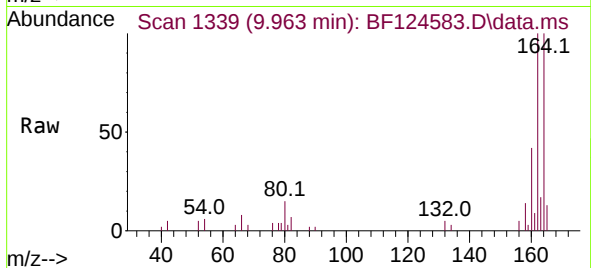




#51
2,6-Dinitrotoluene
Concen: 9.12 ng
RT: 9.963 min Scan# 1339
Delta R.T. 0.212 min
Lab File: BF124583.D
Acq: 15 Jul 2021 21:25

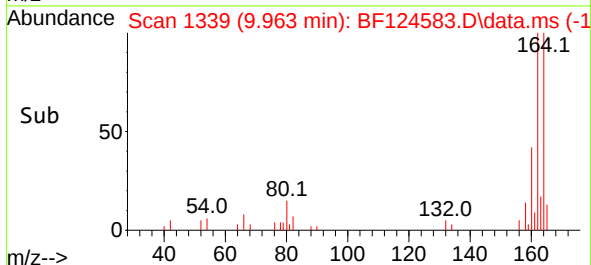
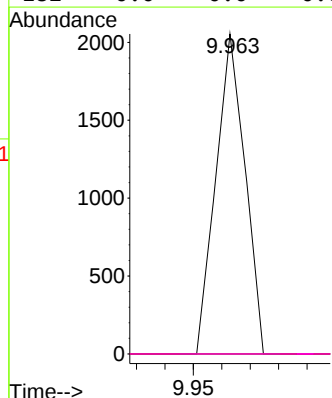
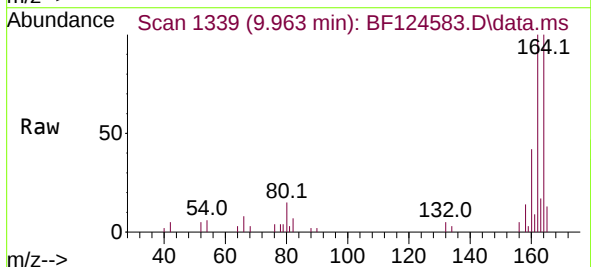
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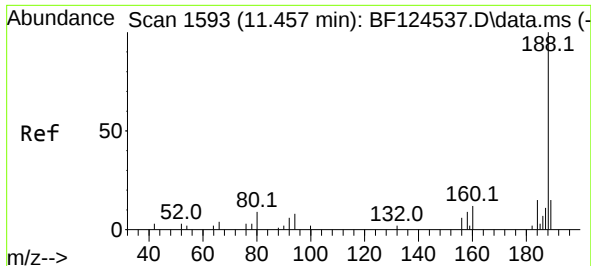
Tgt Ion:165 Resp: 1459
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 0.0 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 6.66 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.188 min
Lab File: BF124583.D
Acq: 15 Jul 2021 21:25

Tgt Ion:165 Resp: 1459
Ion Ratio Lower Upper
165 100
63 0.0 40.9 61.3#
89 0.0 59.7 89.5#
182 0.0 0.0 0.0

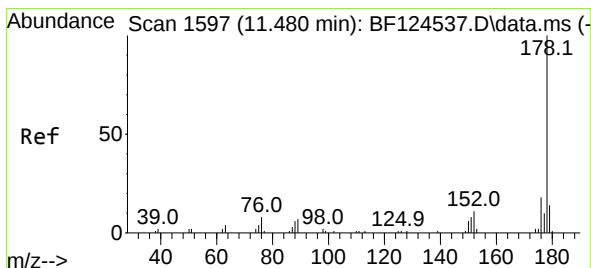
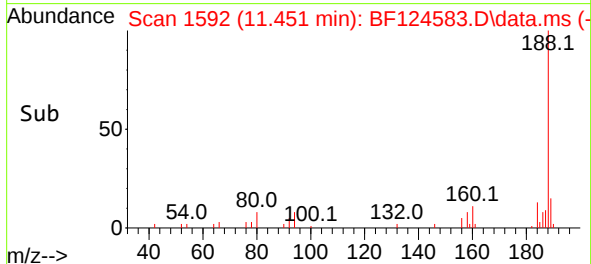
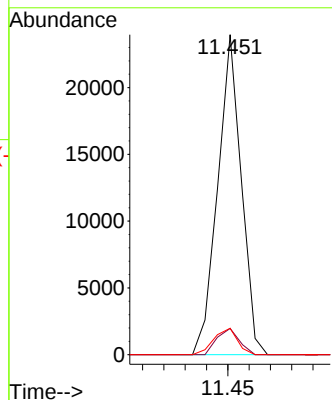
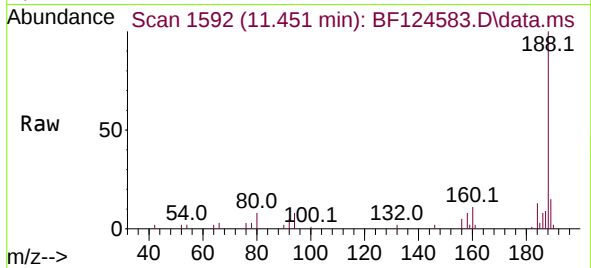




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF124583.D
Acq: 15 Jul 2021 21:25

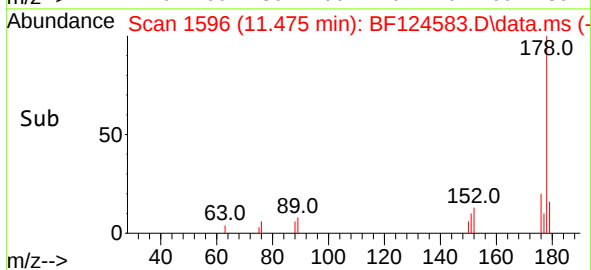
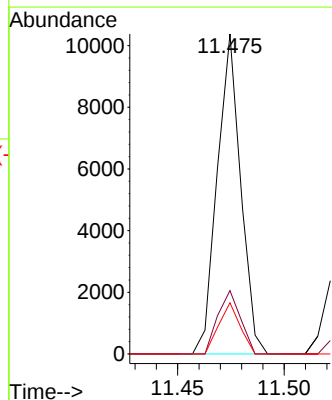
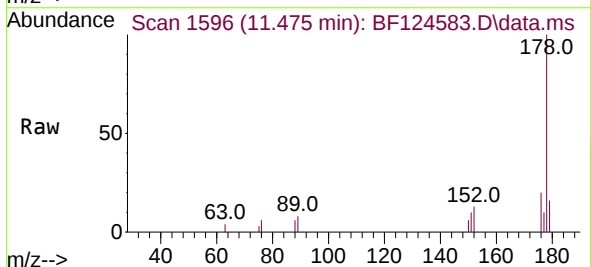
Instrument :
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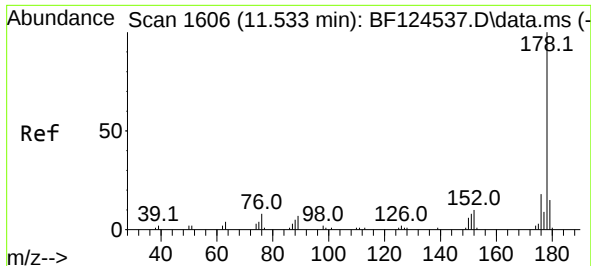
Tgt Ion:188 Resp: 18401
Ion Ratio Lower Upper
188 100
94 8.2 6.7 10.1
80 8.2 7.5 11.3



#71
Phenanthrene
Concen: 7.90 ng
RT: 11.475 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF124583.D
Acq: 15 Jul 2021 21:25

Tgt Ion:178 Resp: 7934
Ion Ratio Lower Upper
178 100
176 19.8 14.7 22.1
179 16.0 11.5 17.3

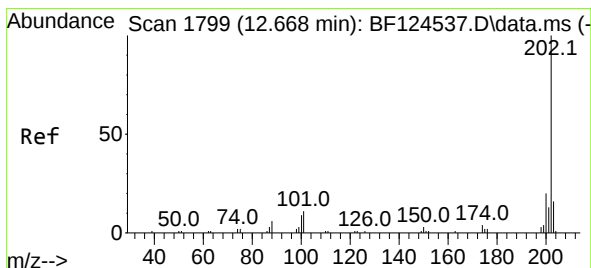
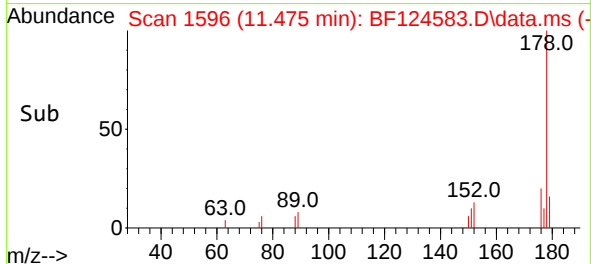
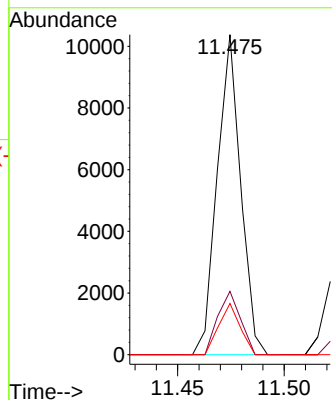
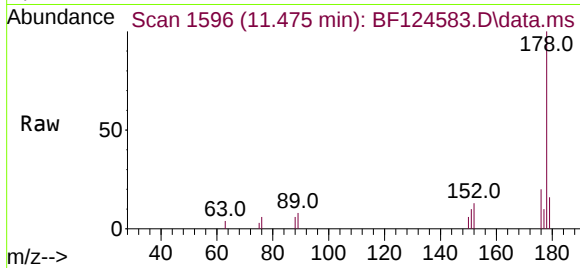




#72
 Anthracene
 Concen: 7.88 ng
 RT: 11.475 min Scan# 1596
 Delta R.T. -0.059 min
 Lab File: BF124583.D
 Acq: 15 Jul 2021 21:25

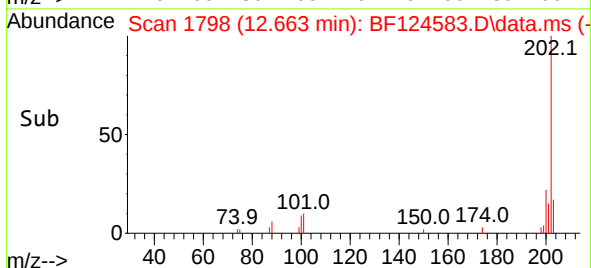
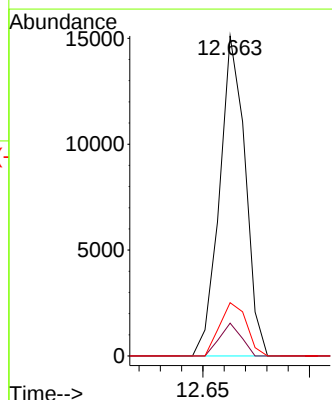
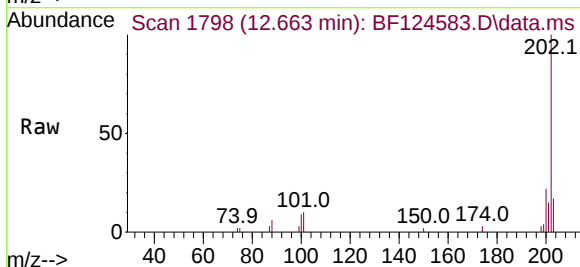
Instrument :
 BNA_F
 ClientSampleId :
 ABN-JG-2RE

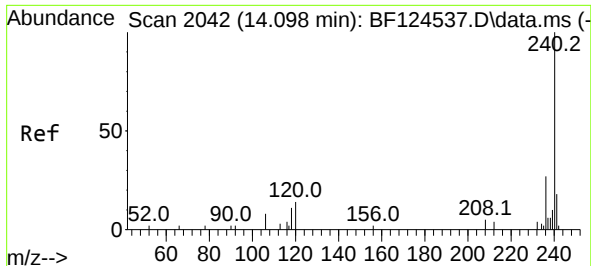
Tgt Ion:178 Resp: 7934
 Ion Ratio Lower Upper
 178 100
 176 19.8 14.3 21.5
 179 16.0 12.2 18.4



#75
 Fluoranthene
 Concen: 12.48 ng
 RT: 12.663 min Scan# 1798
 Delta R.T. -0.006 min
 Lab File: BF124583.D
 Acq: 15 Jul 2021 21:25

Tgt Ion:202 Resp: 12639
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 30.7
 203 16.7 0.0 36.3

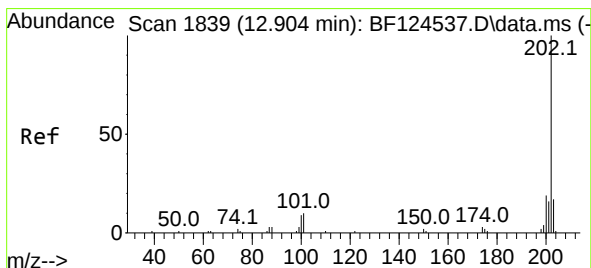
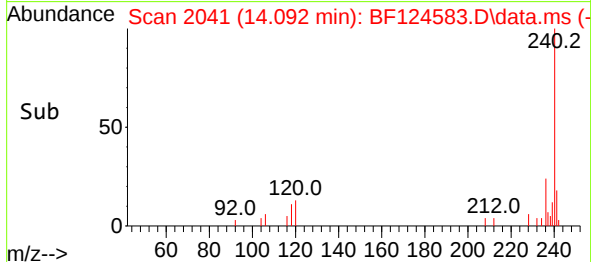
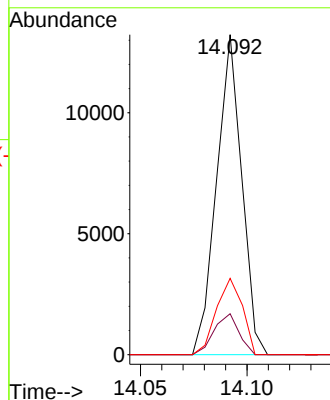
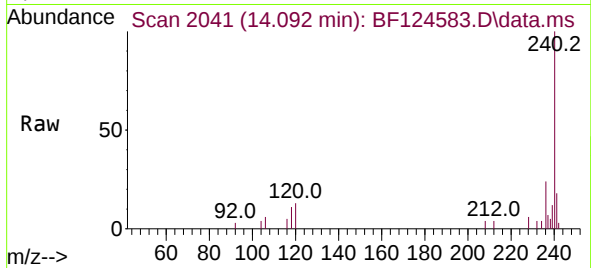




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.092 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BF124583.D
Acq: 15 Jul 2021 21:25

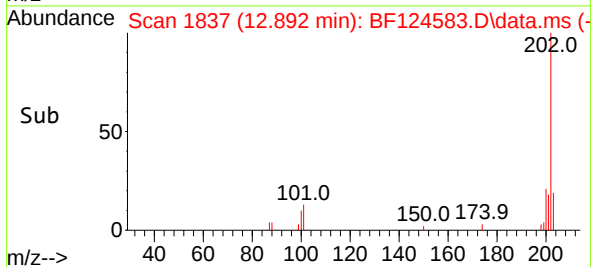
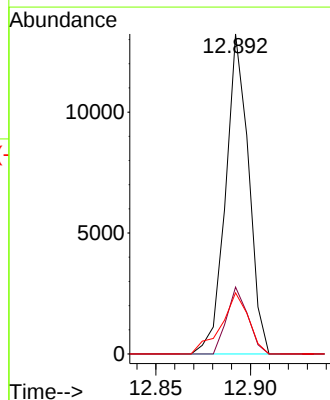
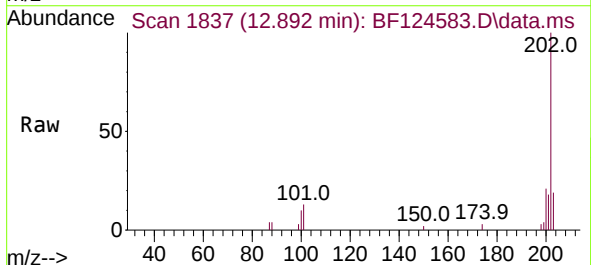
Instrument :
BNA_F
ClientSampleId :
ABN-JG-2RE

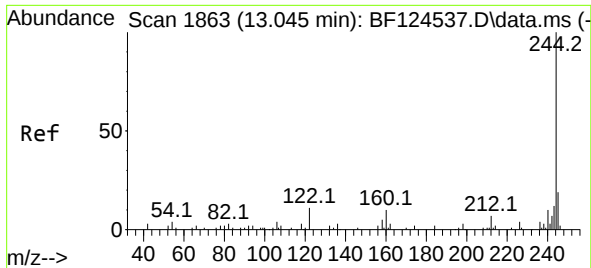
Tgt Ion:240 Resp: 10831
Ion Ratio Lower Upper
240 100
120 12.8 10.8 16.2
236 23.8 21.6 32.4



#78
Pyrene
Concen: 12.42 ng
RT: 12.892 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF124583.D
Acq: 15 Jul 2021 21:25

Tgt Ion:202 Resp: 11174
Ion Ratio Lower Upper
202 100
200 20.9 15.3 22.9
203 19.1 13.4 20.0

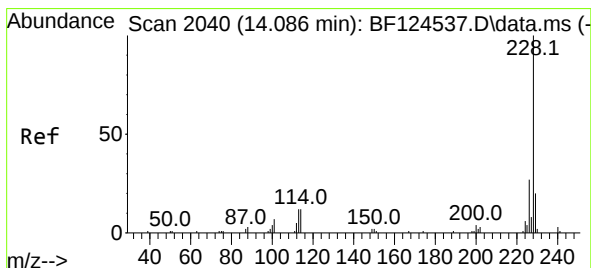
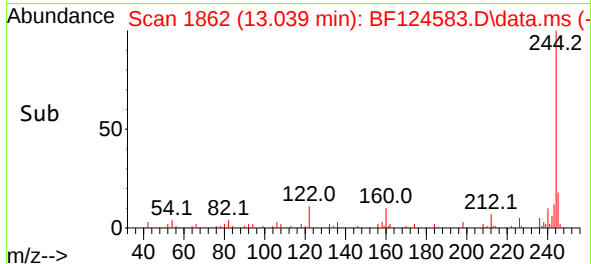
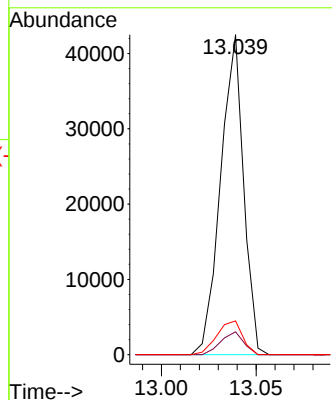
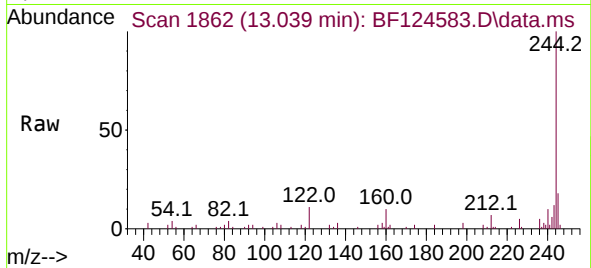




#79
 Terphenyl-d14
 Concen: 55.54 ng
 RT: 13.039 min Scan# 1862
 Delta R.T. -0.006 min
 Lab File: BF124583.D
 Acq: 15 Jul 2021 21:25

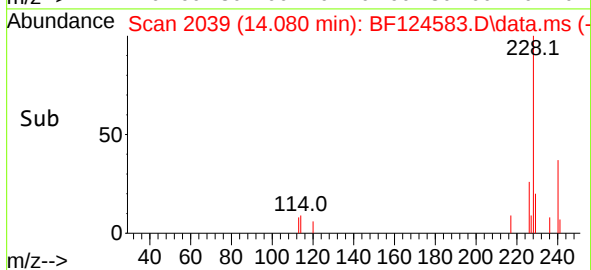
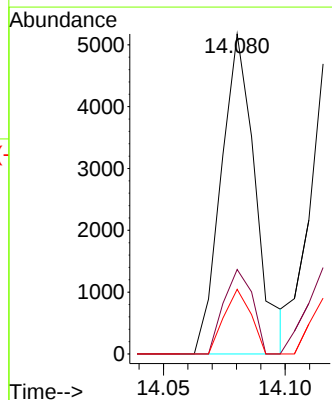
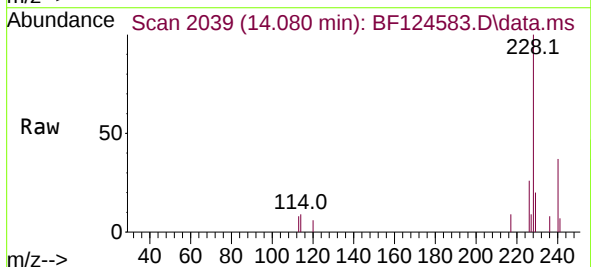
Instrument :
 BNA_F
 ClientSampleId :
 ABN-JG-2RE

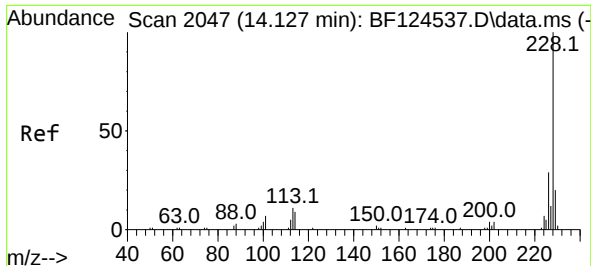
Tgt Ion:244 Resp: 35822
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 10.5 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 7.07 ng
 RT: 14.080 min Scan# 2039
 Delta R.T. -0.006 min
 Lab File: BF124583.D
 Acq: 15 Jul 2021 21:25

Tgt Ion:228 Resp: 5075
 Ion Ratio Lower Upper
 228 100
 226 26.4 21.6 32.4
 229 20.2 15.6 23.4

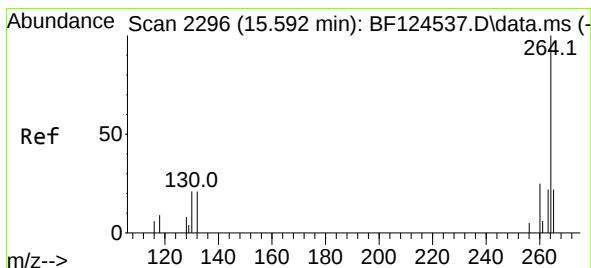
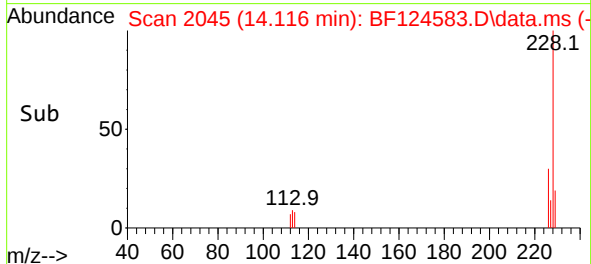
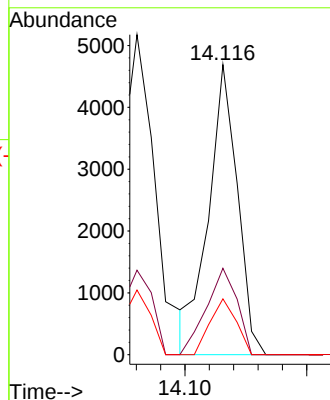
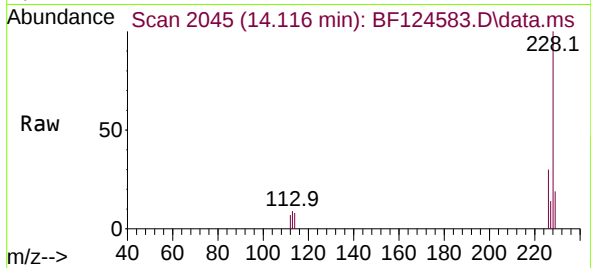




#83
Chrysene
Concen: 5.59 ng
RT: 14.116 min Scan# 2045
Delta R.T. -0.012 min
Lab File: BF124583.D
Acq: 15 Jul 2021 21:25

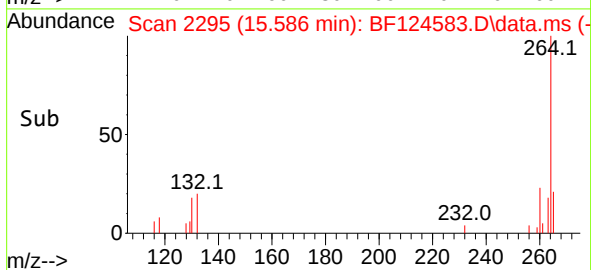
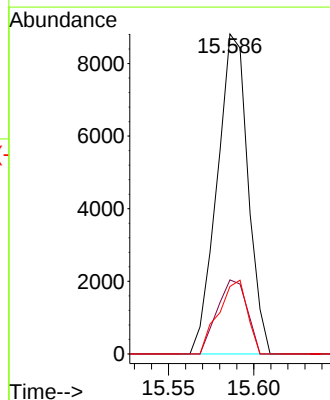
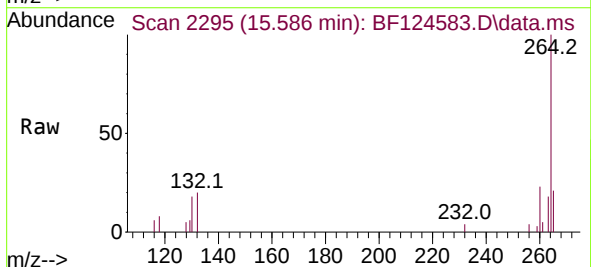
Instrument :
BNA_F
ClientSampleId :
ABN-JG-2RE

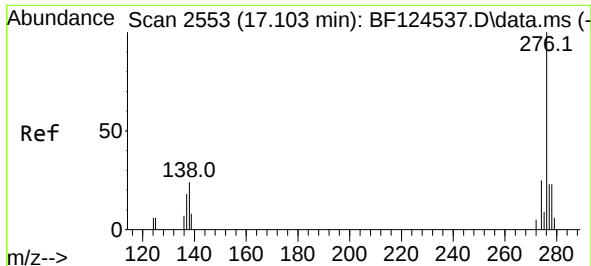
Tgt Ion:228	Resp:	3846	
Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	34.0
229	19.2	15.9	23.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.586 min Scan# 2295
Delta R.T. -0.006 min
Lab File: BF124583.D
Acq: 15 Jul 2021 21:25

Tgt Ion:264	Resp:	11101	
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.6	29.4
265	21.1	17.2	25.8

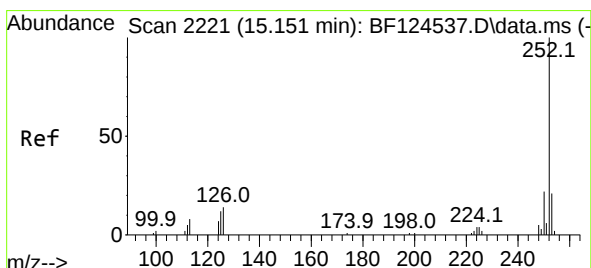
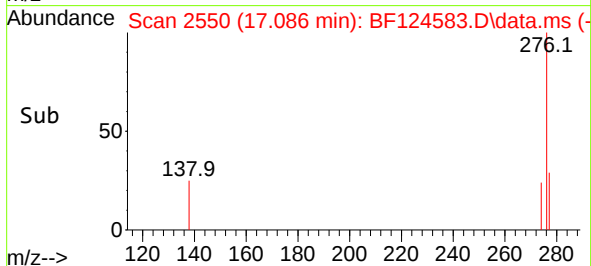
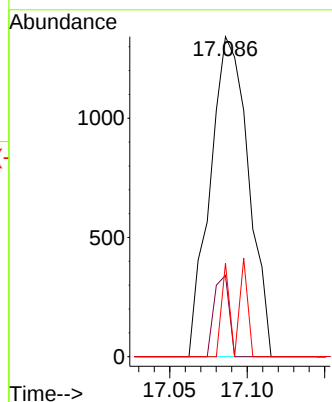
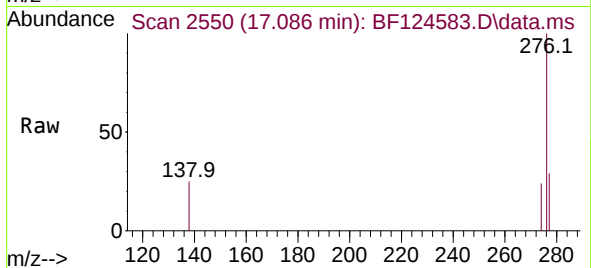




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.59 ng
RT: 17.086 min Scan# 2550
Delta R.T. -0.017 min
Lab File: BF124583.D
Acq: 15 Jul 2021 21:25

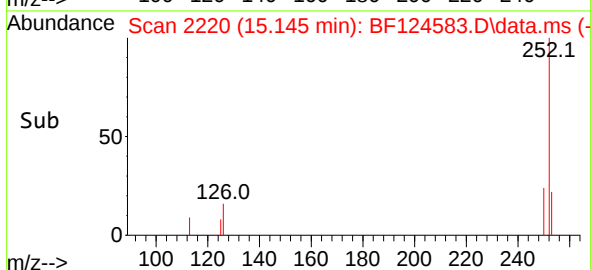
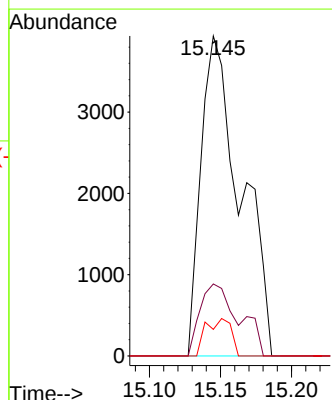
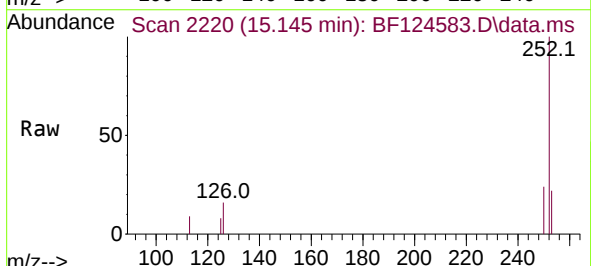
Instrument :
BNA_F
ClientSampleId :
ABN-JG-2RE

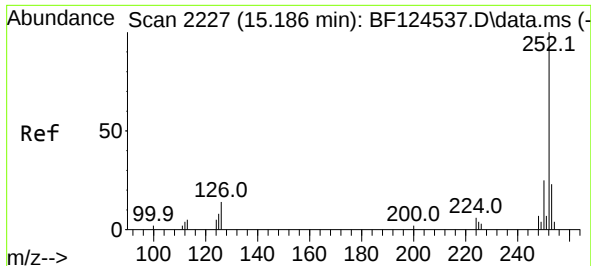
Tgt Ion:276 Resp: 2311
Ion Ratio Lower Upper
276 100
138 9.8 24.1 36.1#
277 12.3 18.8 28.2#



#88
Benzo(b)fluoranthene
Concen: 9.61 ng
RT: 15.145 min Scan# 2220
Delta R.T. -0.006 min
Lab File: BF124583.D
Acq: 15 Jul 2021 21:25

Tgt Ion:252 Resp: 7654
Ion Ratio Lower Upper
252 100
253 22.5 16.8 25.2
125 8.3 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 10.47 ng

RT: 15.145 min Scan# 2220

Delta R.T. -0.041 min

Lab File: BF124583.D

Acq: 15 Jul 2021 21:25

Tgt Ion:252 Resp: 7654

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

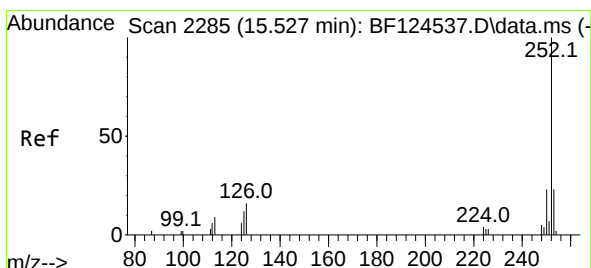
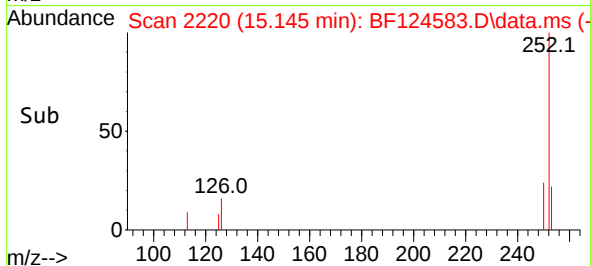
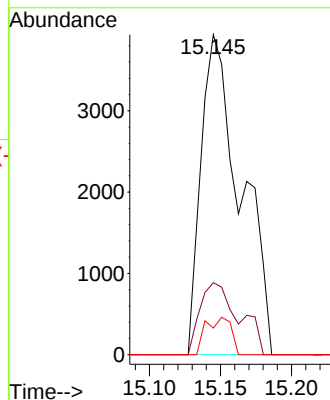
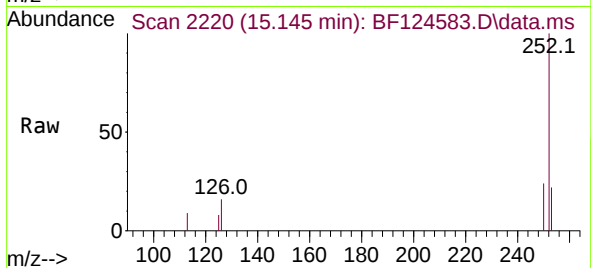
125 8.3 7.2 10.8

Instrument :

BNA_F

ClientSampled :

ABN-JG-2RE



#90

Benzo(a)pyrene

Concen: 4.33 ng

RT: 15.457 min Scan# 2273

Delta R.T. -0.070 min

Lab File: BF124583.D

Acq: 15 Jul 2021 21:25

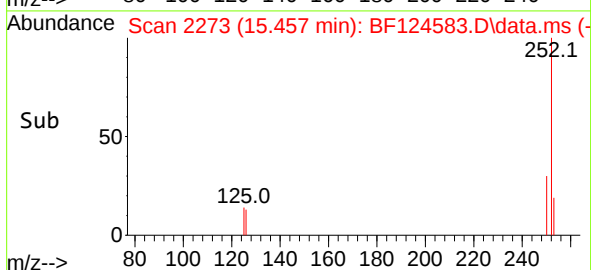
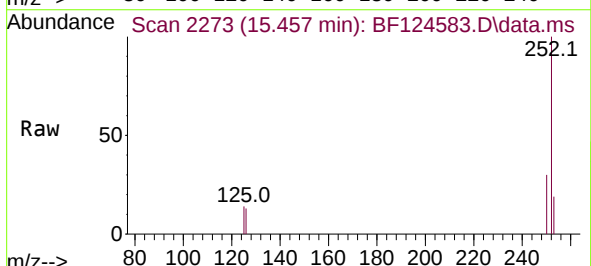
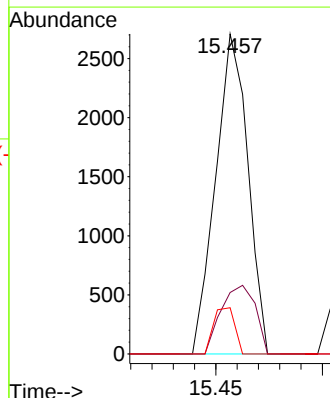
Tgt Ion:252 Resp: 2849

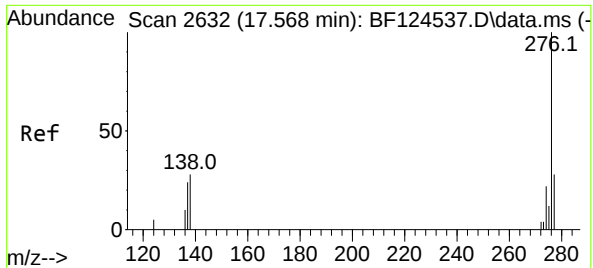
Ion Ratio Lower Upper

252 100

253 19.2 18.4 27.6

125 14.4 9.9 14.9





#92
 Benzo(g,h,i)perylene
 Concen: 3.95 ng
 RT: 17.551 min Scan# 2629
 Delta R.T. -0.017 min
 Lab File: BF124583.D
 Acq: 15 Jul 2021 21:25

Instrument :
 BNA_F
 ClientSampleId :
 ABN-JG-2RE

Tgt Ion:276 Resp: 2113
 Ion Ratio Lower Upper
 276 100
 277 0.0 22.0 33.0#
 138 25.2 22.2 33.4

