

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070221\
 Data File : BF124531.D
 Acq On : 2 Jul 2021 22:15
 Operator : JU/CG
 Sample : M2913-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-4300

Manual Integrations
 APPROVED

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Quant Time: Jul 03 01:46:15 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 02 14:41:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.675	152	34211	20.00	ng	0.00
21) Naphthalene-d8	7.957	136	127976	20.00	ng	# 0.00
39) Acenaphthene-d10	9.710	164	63610	20.00	ng	0.00
64) Phenanthrene-d10	11.198	188	100963	20.00	ng	# 0.00
76) Chrysene-d12	13.851	240	74375	20.00	ng	0.01
86) Perylene-d12	15.274	264	46365	20.00	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.298	112	216331	99.45	ng	0.00
7) Phenol-d6	6.334	99	258053	90.85	ng	0.00
23) Nitrobenzene-d5	7.239	82	179702	58.22	ng	-0.01
42) 2,4,6-Tribromophenol	10.504	330	63469	83.51	ng	0.00
45) 2-Fluorobiphenyl	9.034	172	357417	68.83	ng	0.00
79) Terphenyl-d14	12.786	244	295282	59.46	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.975	128	19358	2.57	ng	# 96
49) Acenaphthylene	9.569	152	33906	5.30	ng	# 88
71) Phenanthrene	11.222	178	174693	27.45	ng	98
72) Anthracene	11.275	178	53216	8.39	ng	99
75) Fluoranthene	12.416	202	420328	65.63	ng	96
78) Pyrene	12.651	202	623676	91.87	ng	99
81) Benzo(a)anthracene	13.839	228	230238	42.94	ng	93
83) Chrysene	13.874	228	265706m	50.00	ng	
84) Bis(2-ethylhexyl)phtha...	13.821	149	9118	2.52	ng	# 83
87) Indeno(1,2,3-cd)pyrene	16.680	276	90755	24.82	ng	96
88) Benzo(b)fluoranthene	14.874	252	220776m	62.84	ng	
89) Benzo(k)fluoranthene	14.898	252	51101m	15.90	ng	
90) Benzo(a)pyrene	15.221	252	158747	50.85	ng	98
91) Dibenzo(a,h)anthracene	16.674	278	21690	6.89	ng	# 79
92) Benzo(g,h,i)perylene	17.104	276	97207	31.37	ng	98

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

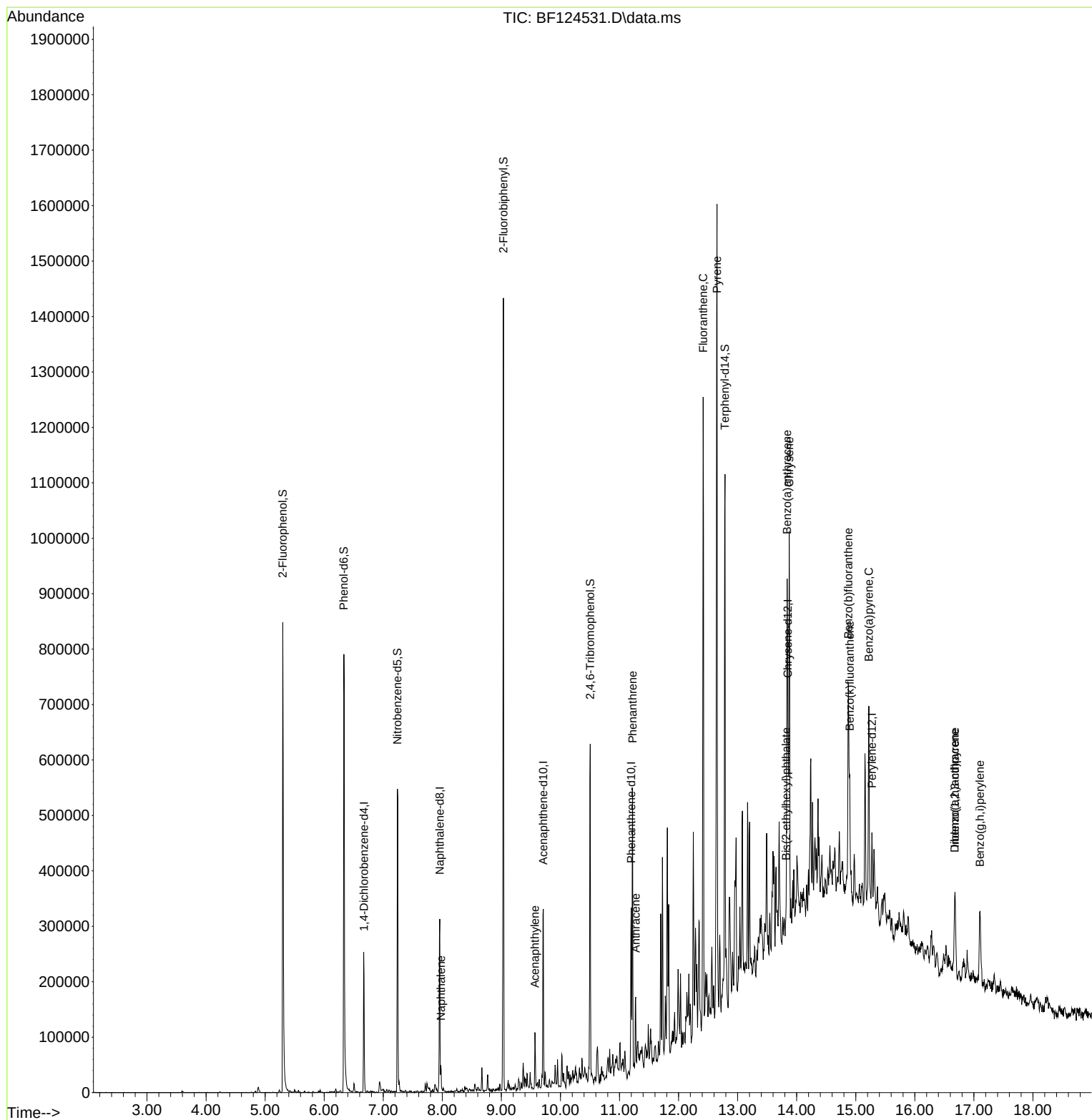
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070221\
Data File : BF124531.D
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Operator : JU/CG
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ALS Vial : 16 Sample Multiplier: 1

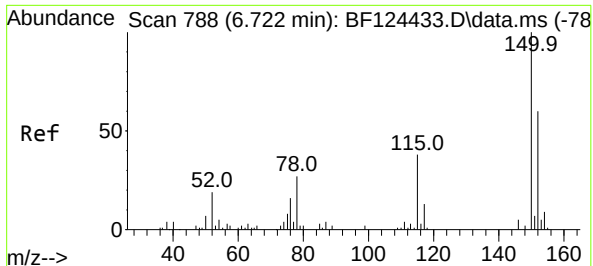
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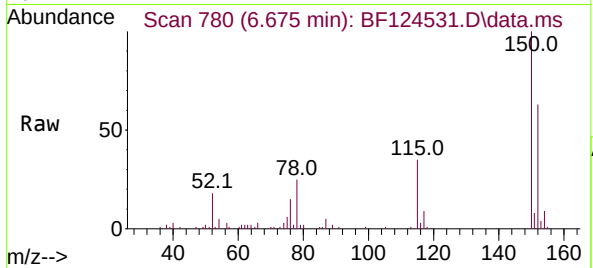
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Quant Time: Jul 03 01:46:15 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 02 14:41:35 2021
Response via : Initial Calibration

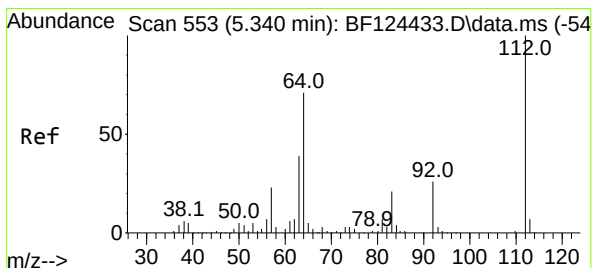
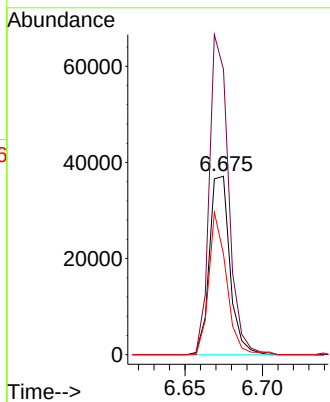
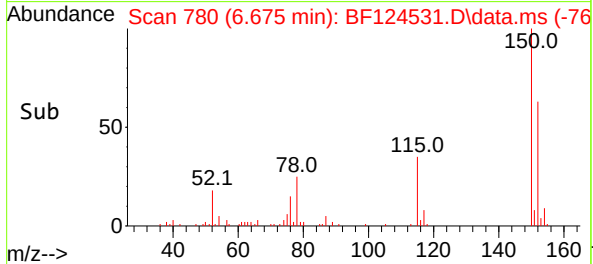




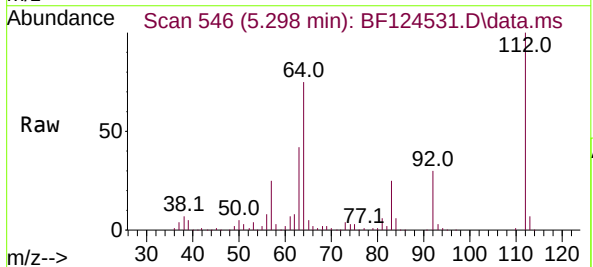
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.675 min Scan# 780
Delta R.T. -0.000 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15



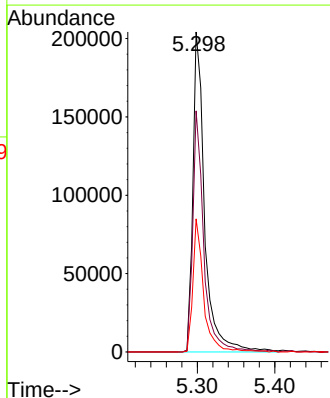
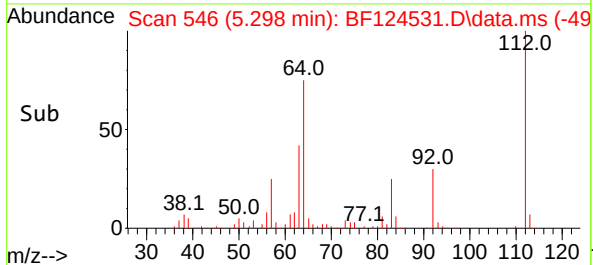
Tgt Ion:152 Resp: 34211
Ion Ratio Lower Upper
152 100
150 159.8 127.0 190.6
115 56.4 54.3 81.5



#5
2-Fluorophenol
Concen: 99.45 ng
RT: 5.298 min Scan# 546
Delta R.T. 0.006 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15



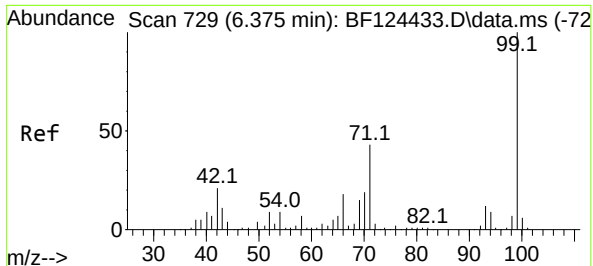
Tgt Ion:112 Resp: 216331
Ion Ratio Lower Upper
112 100
64 75.4 61.4 92.0
63 41.6 33.0 49.4



Instrument :
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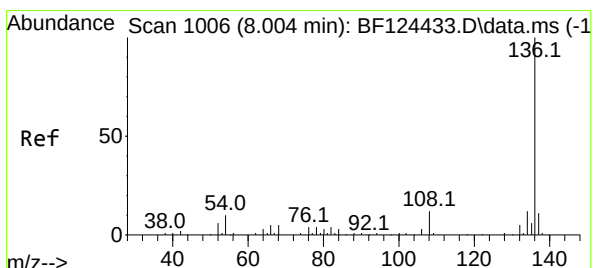
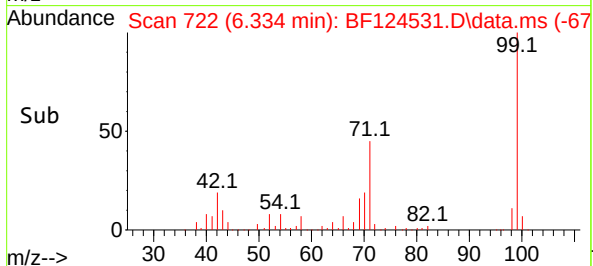
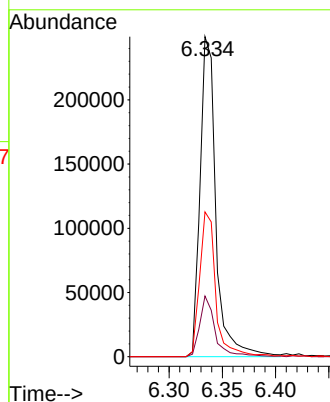
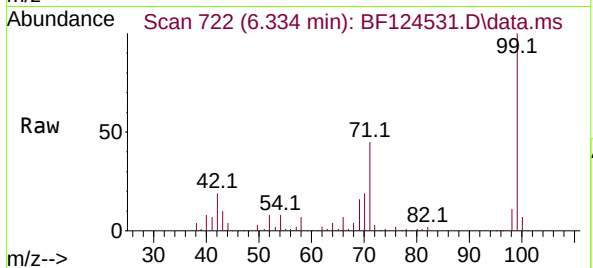
#7
Phenol-d6
Concen: 90.85 ng
RT: 6.334 min Scan# 722
Delta R.T. 0.000 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

Tgt Ion: 99 Resp: 258053
Ion Ratio Lower Upper
99 100
42 18.9 19.8 29.8#
71 45.3 31.1 46.7

Instrument :
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ClientSampled :
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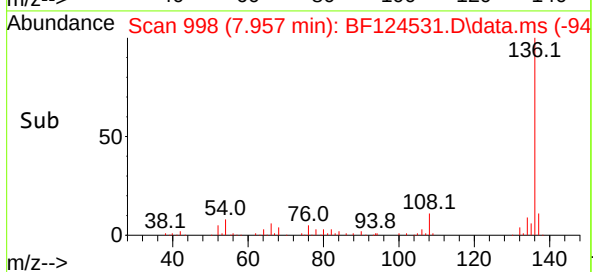
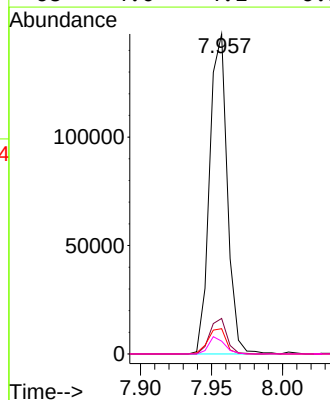
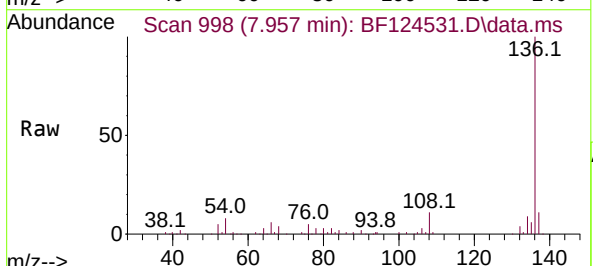
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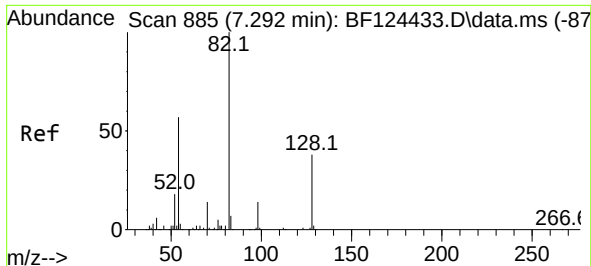
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.957 min Scan# 998
Delta R.T. 0.000 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

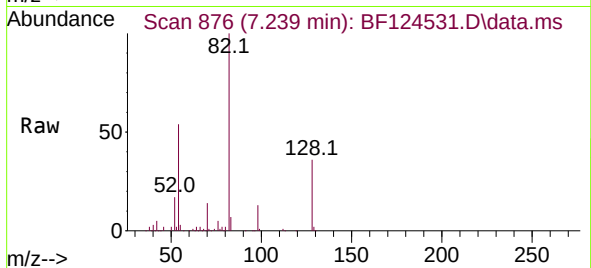
Tgt Ion: 136 Resp: 127976
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 7.9 9.8 14.6#
68 4.0 4.1 6.1#





#23
Nitrobenzene-d5
Concen: 58.22 ng
RT: 7.239 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

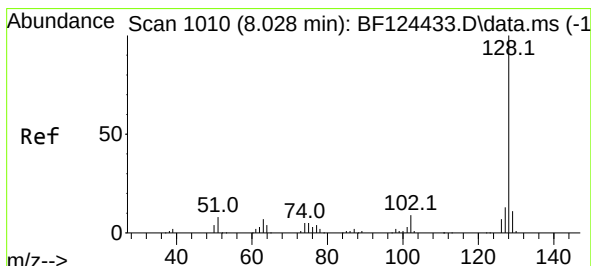
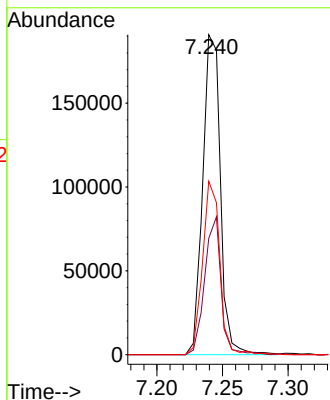
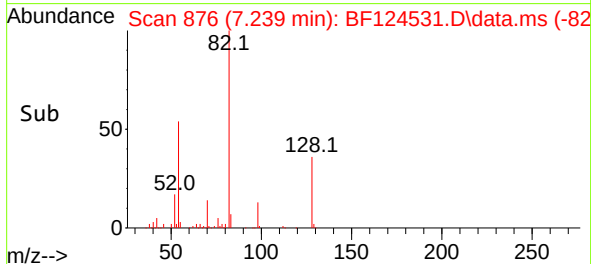
Instrument :
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ClientSampled :
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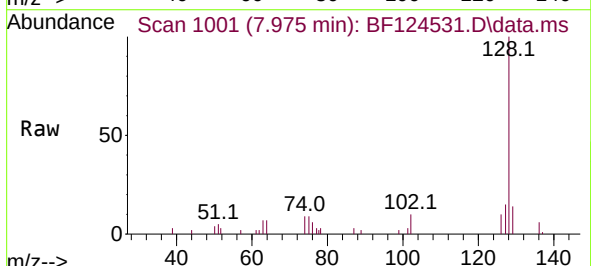
Tgt Ion: 82 Resp: 179702
Ion Ratio Lower Upper
82 100
128 36.3 29.4 44.2
54 54.2 54.1 81.1

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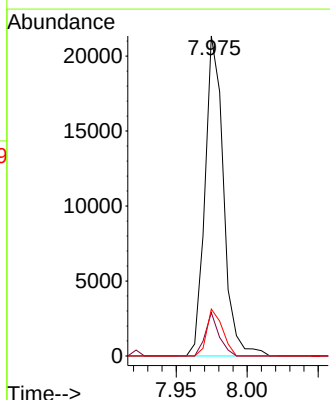
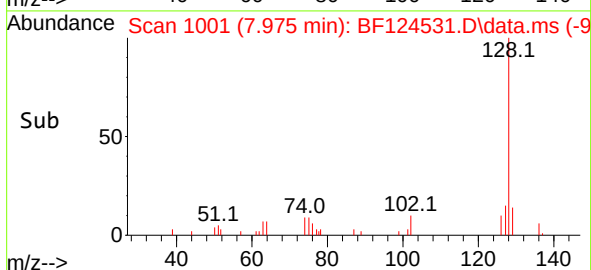
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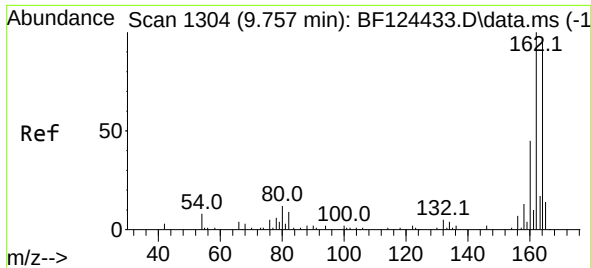


#31
Naphthalene
Concen: 2.57 ng
RT: 7.975 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

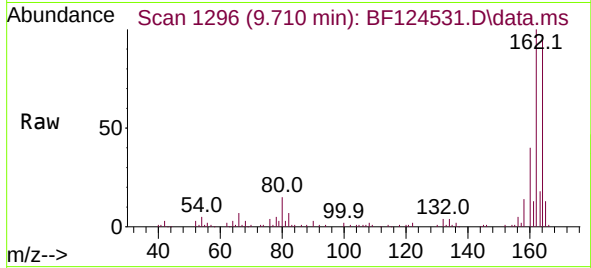


Tgt Ion: 128 Resp: 19358
Ion Ratio Lower Upper
128 100
129 13.6 8.9 13.3#
127 14.6 10.8 16.2

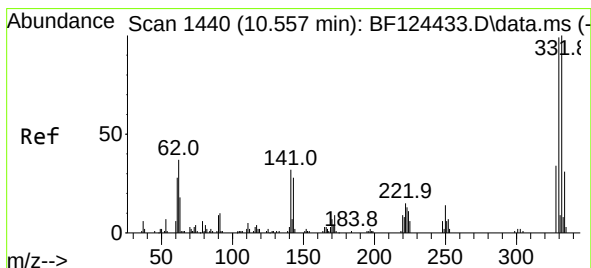
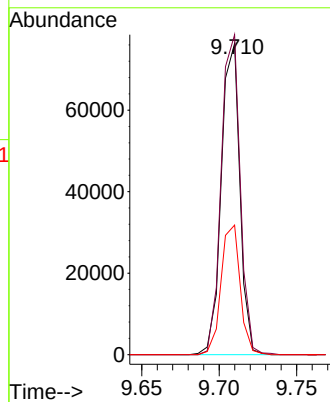
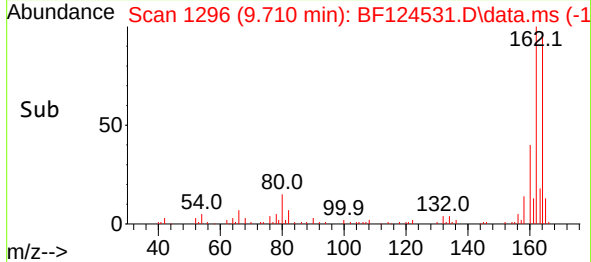




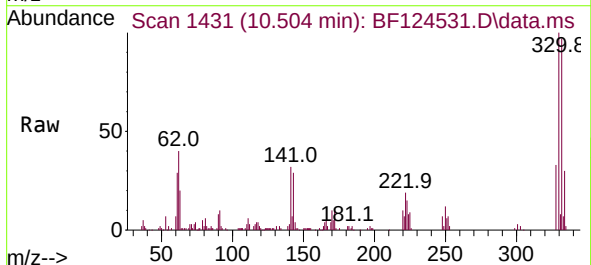
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.710 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15



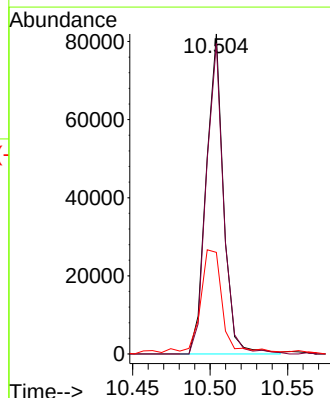
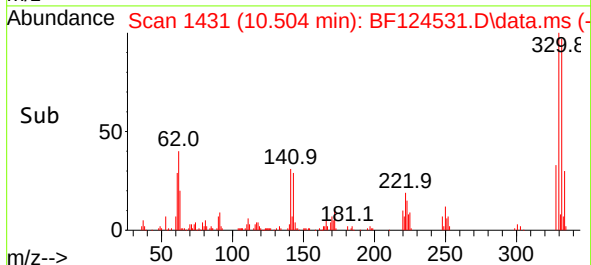
Tgt Ion:164 Resp: 63610
Ion Ratio Lower Upper
164 100
162 102.8 80.7 121.1
160 41.6 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 83.51 ng
RT: 10.504 min Scan# 1431
Delta R.T. 0.000 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15



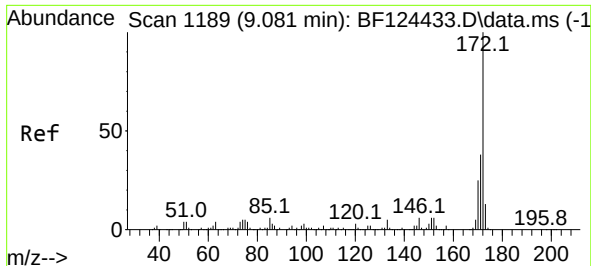
Tgt Ion:330 Resp: 63469
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 39.9 27.9 41.9



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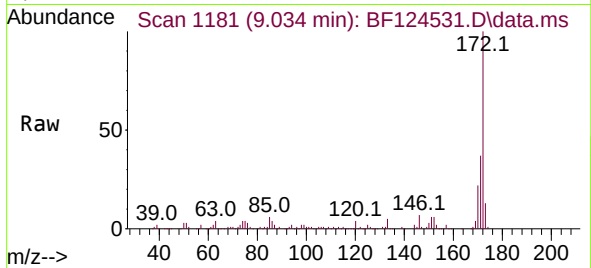
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#45
2-Fluorobiphenyl
Concen: 68.83 ng
RT: 9.034 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

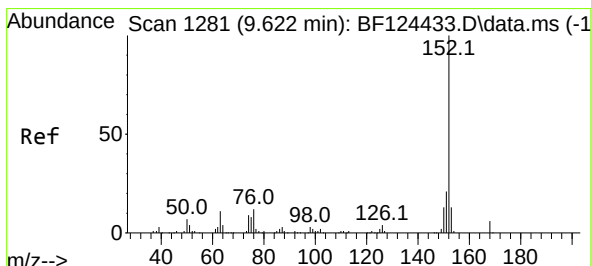
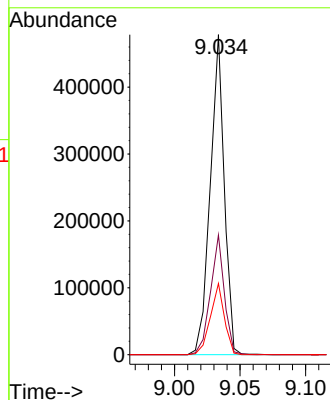
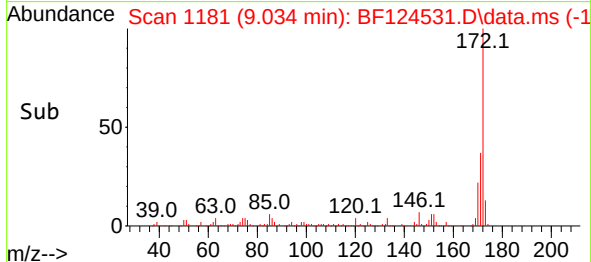
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BNA_F
ClientSampleId :
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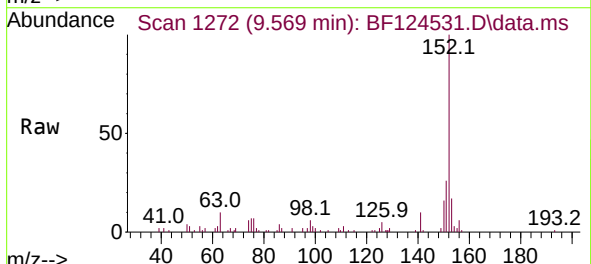
Tgt Ion:172 Resp: 357417
Ion Ratio Lower Upper
172 100
171 37.4 28.1 42.1
170 22.2 19.2 28.8

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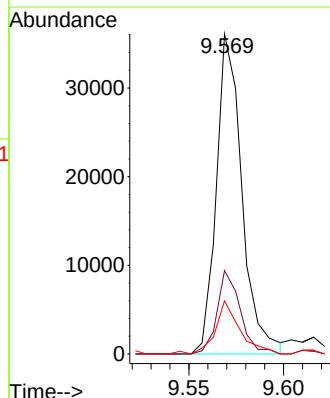
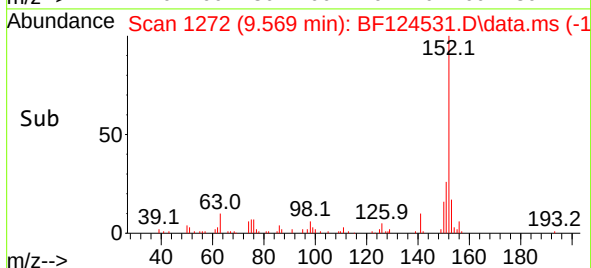
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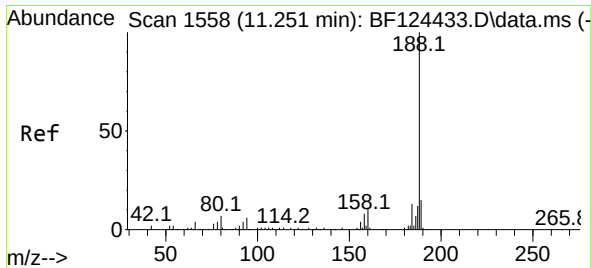


#49
Acenaphthylene
Concen: 5.30 ng
RT: 9.569 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15



Tgt Ion:152 Resp: 33906
Ion Ratio Lower Upper
152 100
151 26.0 16.0 24.0#
153 16.6 10.4 15.6#





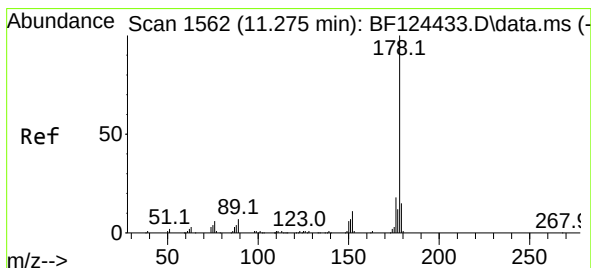
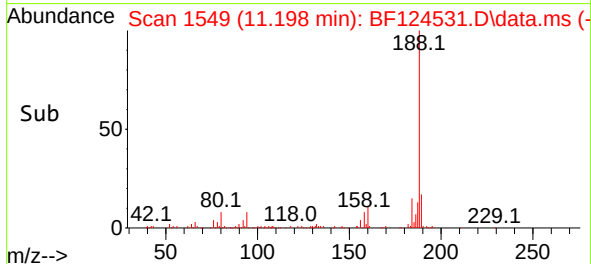
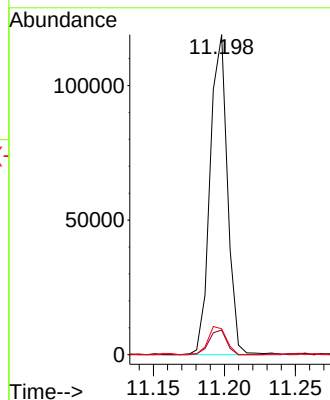
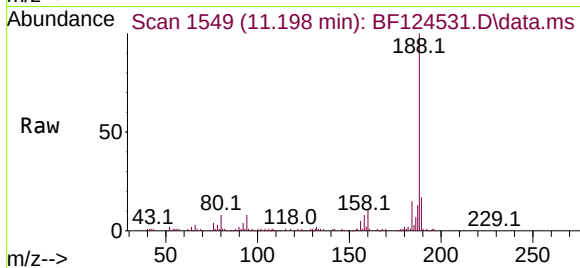
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.198 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

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ClientSampleId :
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Tgt Ion:188 Resp: 100963
Ion Ratio Lower Upper
188 100
94 7.7 6.9 10.3
80 8.1 8.2 12.2#

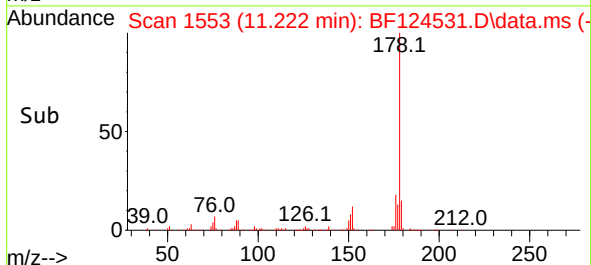
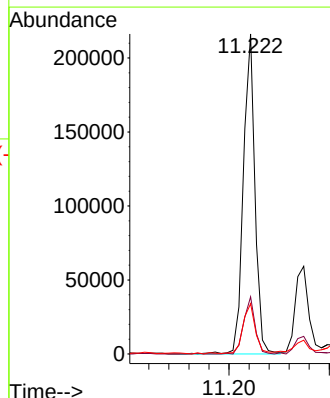
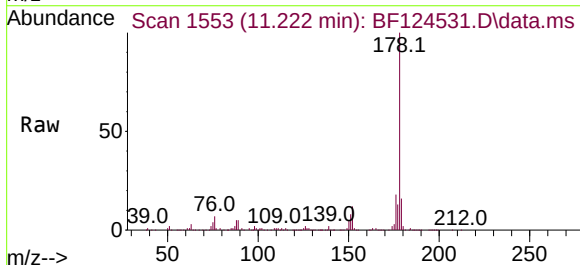
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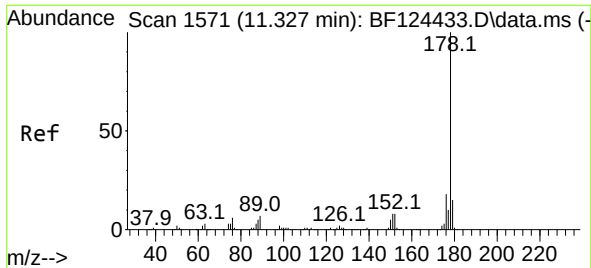
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#71
Phenanthrene
Concen: 27.45 ng
RT: 11.222 min Scan# 1553
Delta R.T. 0.000 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

Tgt Ion:178 Resp: 174693
Ion Ratio Lower Upper
178 100
176 17.8 15.6 23.4
179 15.7 12.5 18.7





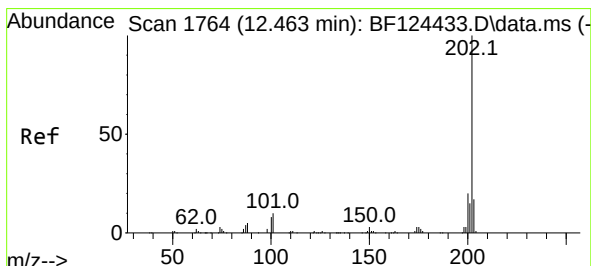
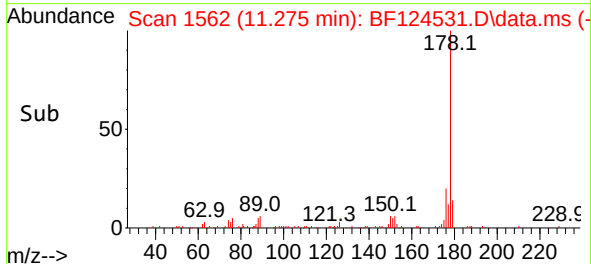
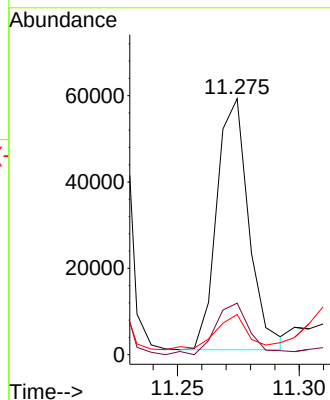
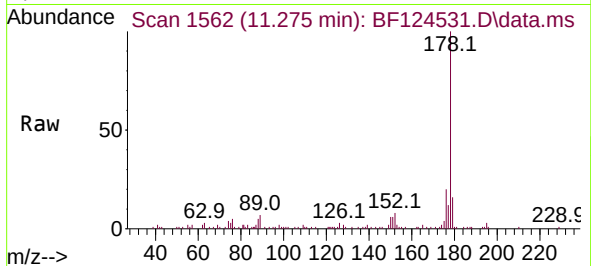
#72
 Anthracene
 Concen: 8.39 ng
 RT: 11.275 min Scan# 1562
 Delta R.T. 0.000 min
 Lab File: BF124531.D
 Acq: 2 Jul 2021 22:15

Tgt Ion:	178	Resp:	53216
Ion Ratio	100	Lower	Upper
176	20.1	15.4	23.0
179	15.7	12.6	18.8

Instrument :
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 ClientSampled :
 D-4300

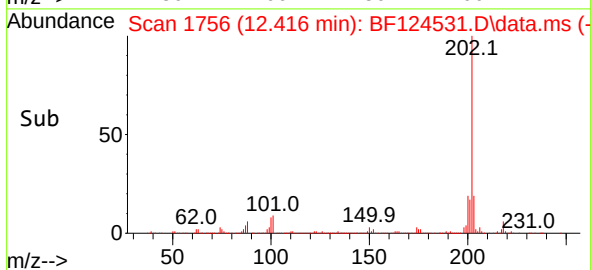
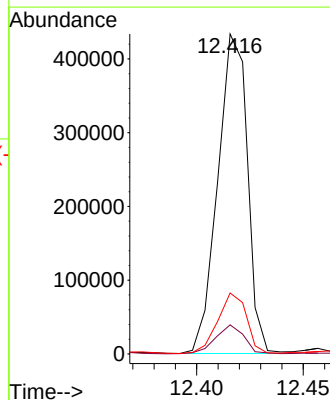
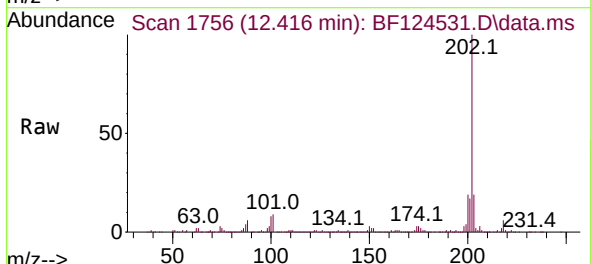
Manual Integrations
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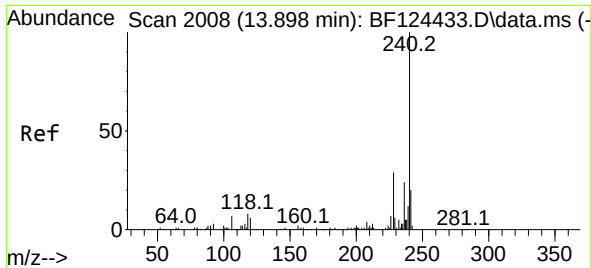
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#75
 Fluoranthene
 Concen: 65.63 ng
 RT: 12.416 min Scan# 1756
 Delta R.T. 0.006 min
 Lab File: BF124531.D
 Acq: 2 Jul 2021 22:15

Tgt Ion:	202	Resp:	420328
Ion Ratio	100	Lower	Upper
101	9.1	0.0	30.9
203	19.0	0.0	37.5





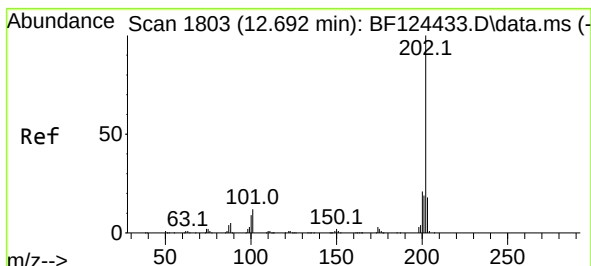
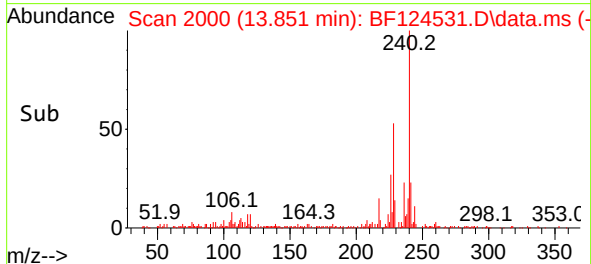
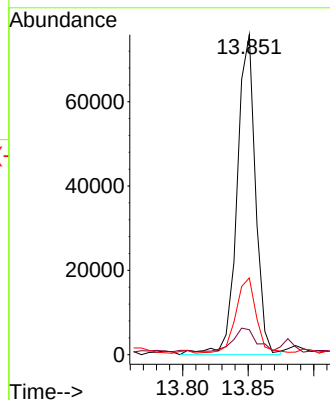
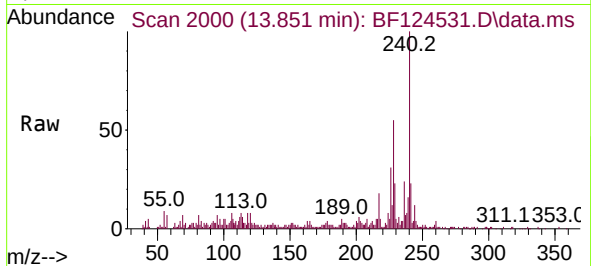
#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.851 min Scan# 2000
Delta R.T. 0.012 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

Tgt Ion:240 Resp: 74375
Ion Ratio Lower Upper
240 100
120 7.8 7.2 10.8
236 24.0 19.0 28.4

Instrument :
BNA_F
ClientSampleId :
D-4300

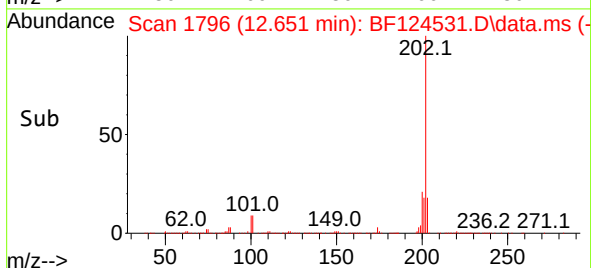
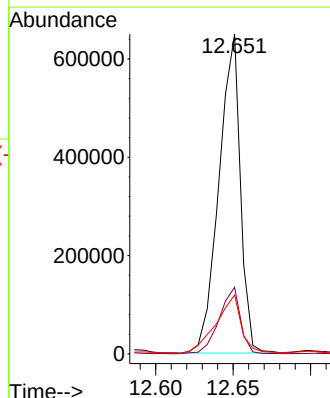
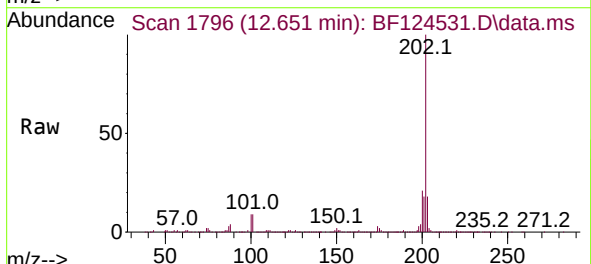
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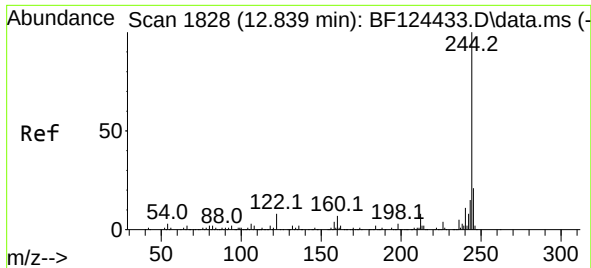
mohammad
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#78
Pyrene
Concen: 91.87 ng
RT: 12.651 min Scan# 1796
Delta R.T. 0.012 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

Tgt Ion:202 Resp: 623676
Ion Ratio Lower Upper
202 100
200 20.9 16.1 24.1
203 18.5 14.8 22.2





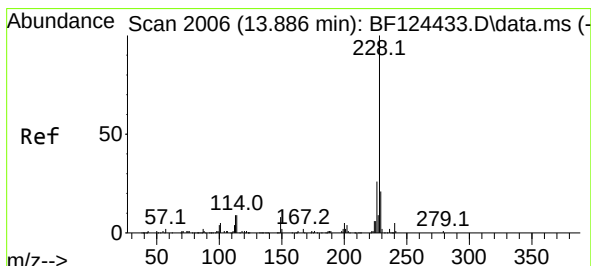
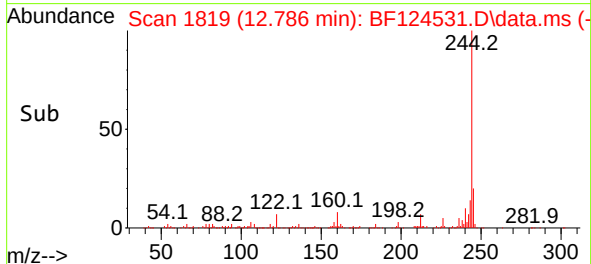
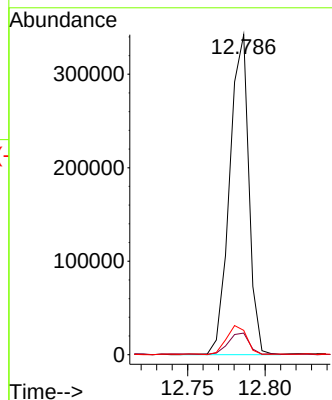
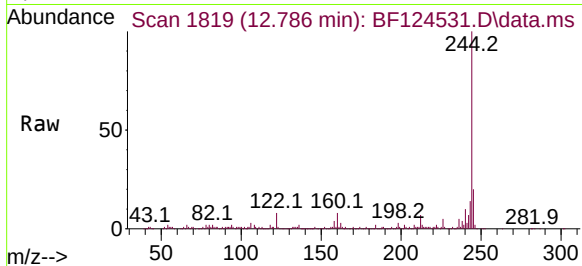
#79
 Terphenyl-d14
 Concen: 59.46 ng
 RT: 12.786 min Scan# 1819
 Delta R.T. 0.006 min
 Lab File: BF124531.D
 Acq: 2 Jul 2021 22:15

Tgt Ion:244 Resp: 295282
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 7.6 9.7 14.5#

Instrument :
 BNA_F
 ClientSampled :
 D-4300

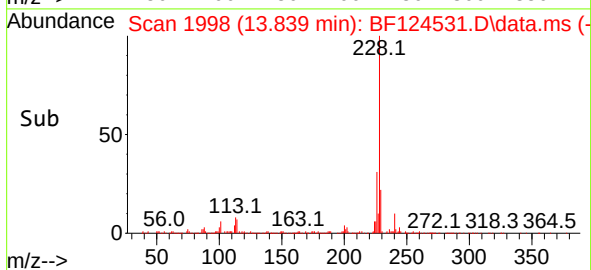
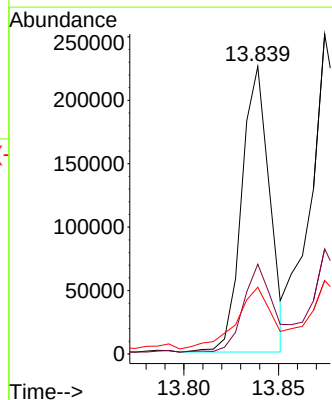
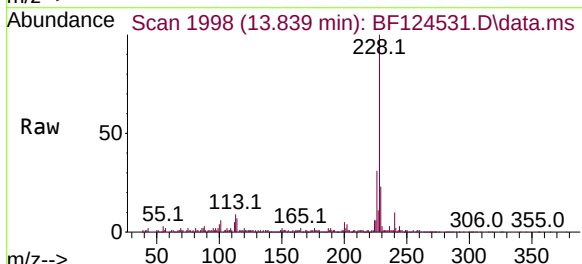
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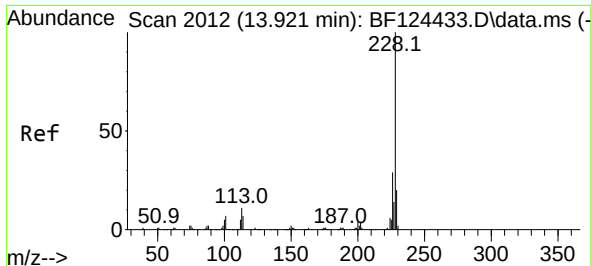
mohammad
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#81
 Benzo(a)anthracene
 Concen: 42.94 ng
 RT: 13.839 min Scan# 1998
 Delta R.T. 0.012 min
 Lab File: BF124531.D
 Acq: 2 Jul 2021 22:15

Tgt Ion:228 Resp: 230238
 Ion Ratio Lower Upper
 228 100
 226 31.2 22.4 33.6
 229 23.2 16.0 24.0





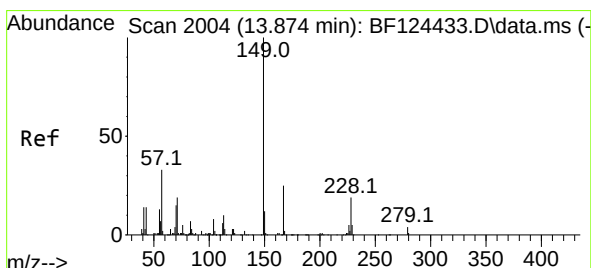
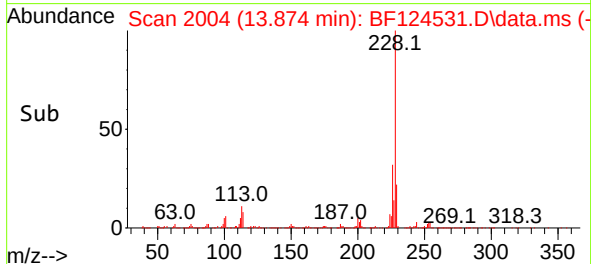
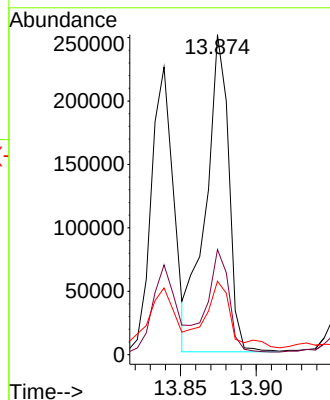
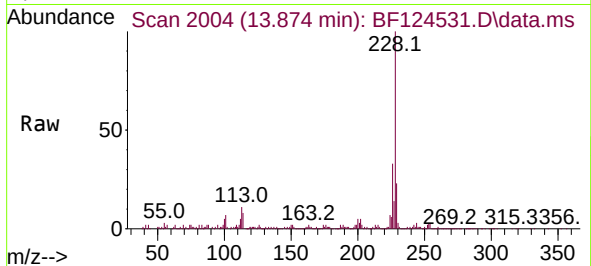
#83
Chrysene
Concen: 50.00 ng m
RT: 13.874 min Scan# 2004
Delta R.T. 0.006 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

Tgt Ion:228 Resp: 265706
Ion Ratio Lower Upper
228 100
226 32.8 24.3 36.5
229 23.0 16.2 24.2

Instrument :
BNA_F
ClientSampled :
D-4300

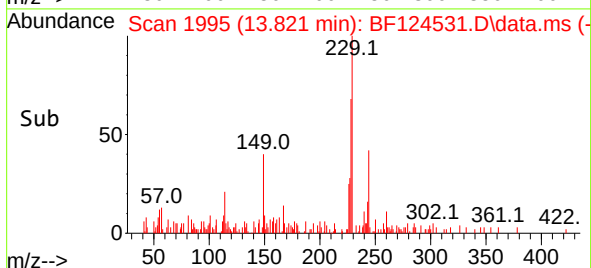
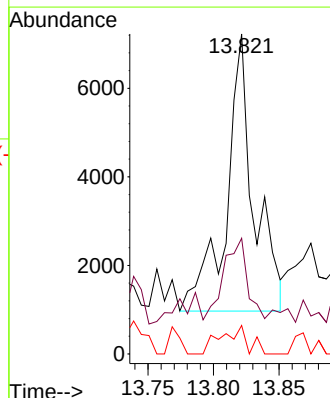
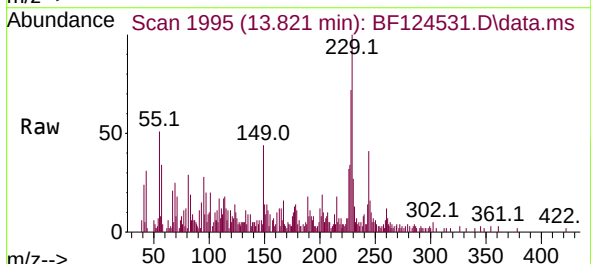
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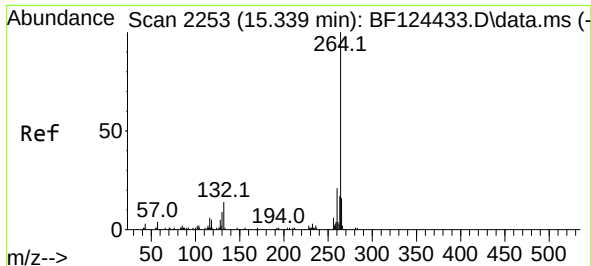
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#84
Bis(2-ethylhexyl)phthalate
Concen: 2.52 ng
RT: 13.821 min Scan# 1995
Delta R.T. 0.012 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

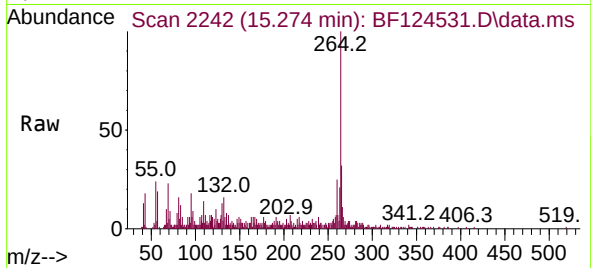
Tgt Ion:149 Resp: 9118
Ion Ratio Lower Upper
149 100
167 36.1 21.8 32.6#
279 8.9 3.3 4.9#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.274 min Scan# 2242
Delta R.T. 0.012 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

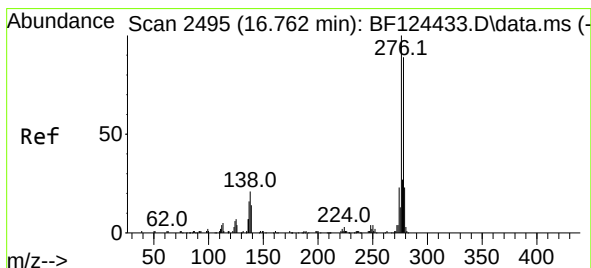
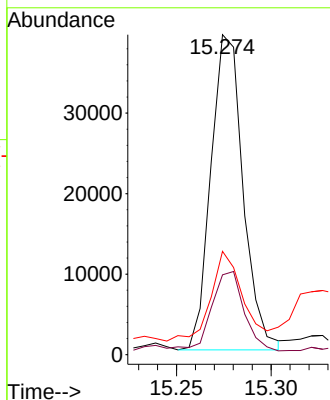
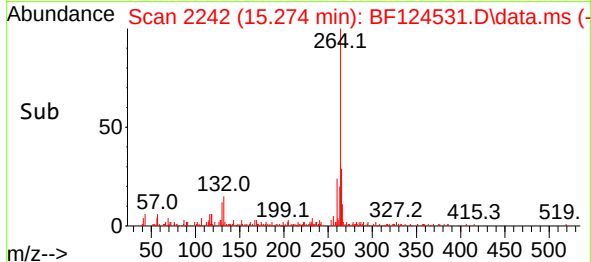
Instrument :
BNA_F
ClientSampled :
D-4300



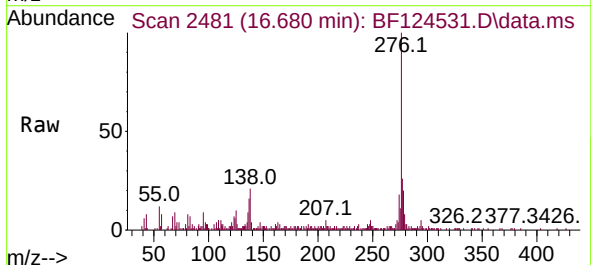
Tgt Ion:264 Resp: 46365
Ion Ratio Lower Upper
264 100
260 24.9 18.7 28.1
265 32.3 17.8 26.8#

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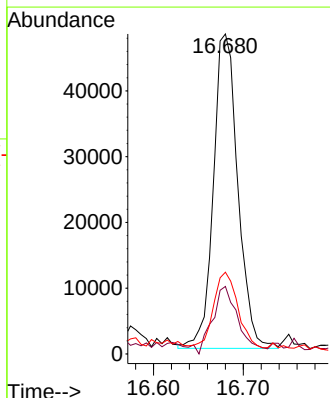
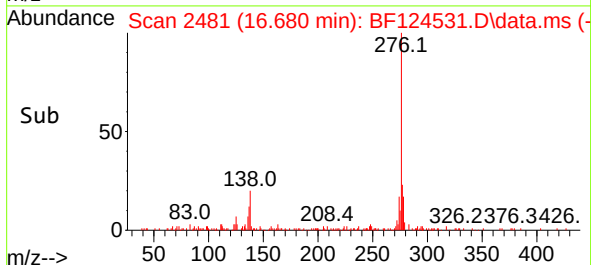
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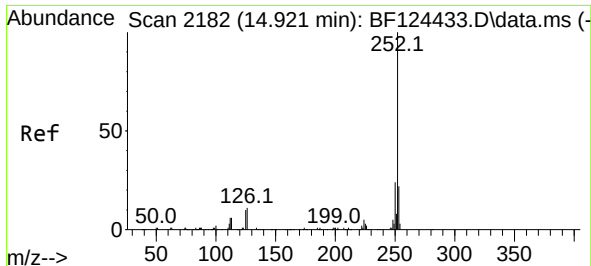


#87
Indeno(1,2,3-cd)pyrene
Concen: 24.82 ng
RT: 16.680 min Scan# 2481
Delta R.T. 0.029 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15



Tgt Ion:276 Resp: 90755
Ion Ratio Lower Upper
276 100
138 22.6 16.2 24.2
277 23.8 20.1 30.1





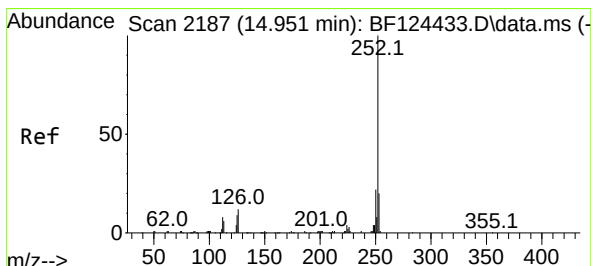
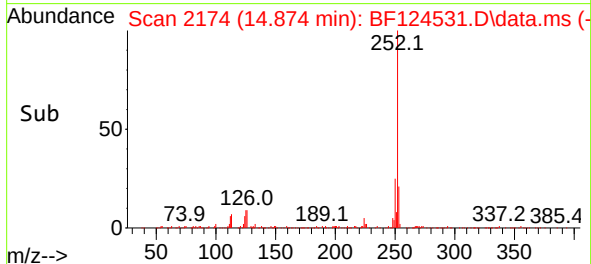
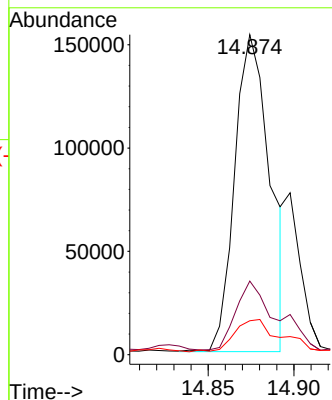
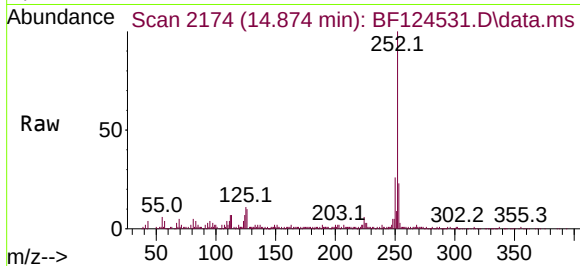
#88
Benzo(b)fluoranthene
Concen: 62.84 ng m
RT: 14.874 min Scan# 2174
Delta R.T. 0.018 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

Tgt Ion:252 Resp: 220776
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 10.6 6.2 9.4#

Instrument :
BNA_F
ClientSampled :
D-4300

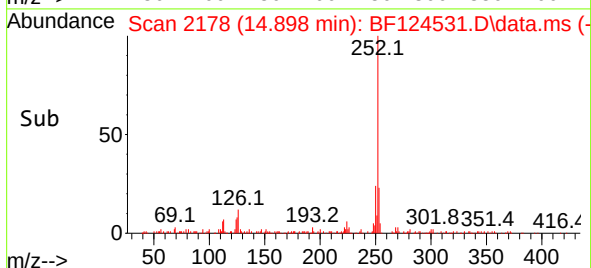
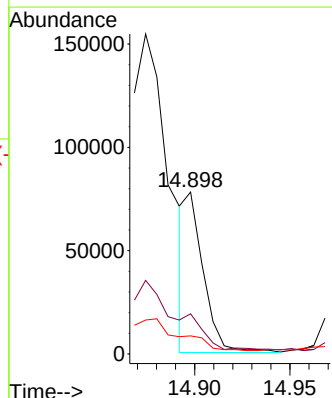
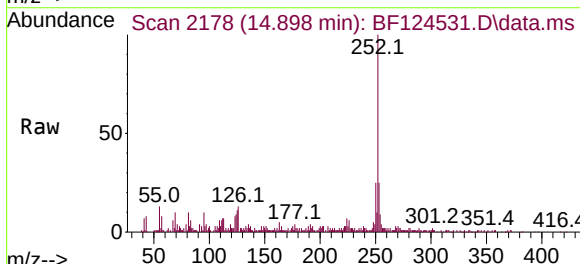
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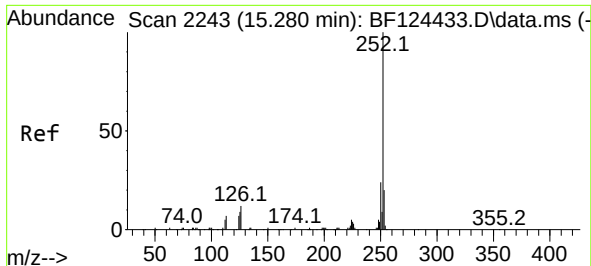
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#89
Benzo(k)fluoranthene
Concen: 15.90 ng m
RT: 14.898 min Scan# 2178
Delta R.T. 0.012 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

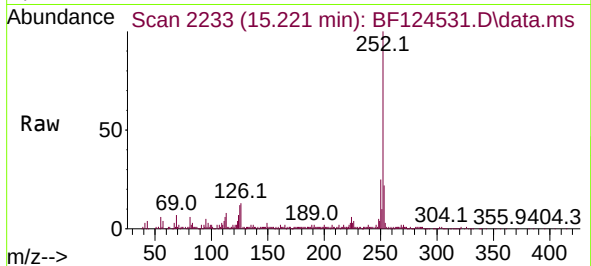
Tgt Ion:252 Resp: 51101
Ion Ratio Lower Upper
252 100
253 24.8 17.9 26.9
125 11.2 7.0 10.6#





#90
Benzo(a)pyrene
Concen: 50.85 ng
RT: 15.221 min Scan# 2233
Delta R.T. 0.018 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

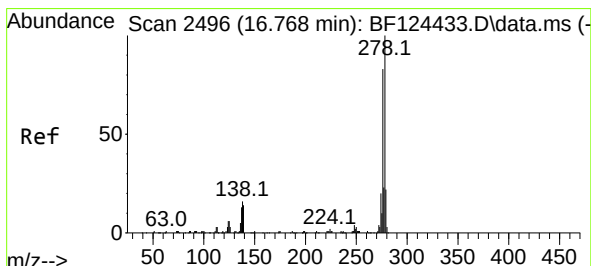
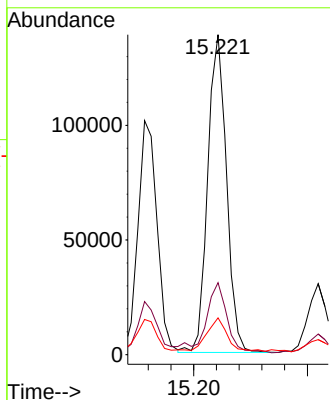
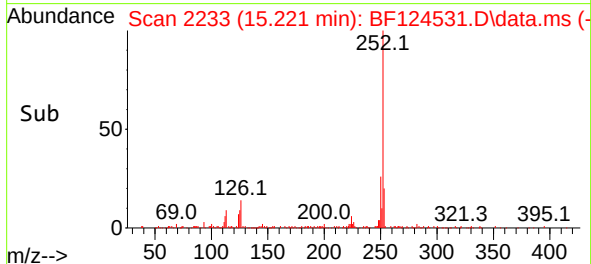
Instrument :
BNA_F
ClientSampleId :
D-4300



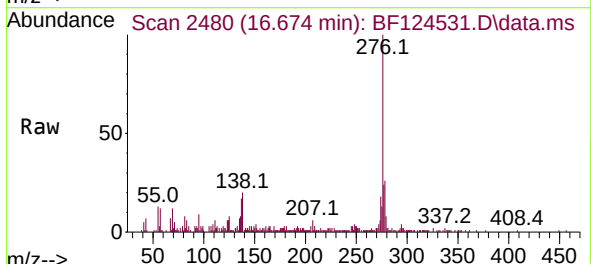
Tgt Ion:252 Resp: 158747
Ion Ratio Lower Upper
252 100
253 22.5 18.4 27.6
125 11.5 8.0 12.0

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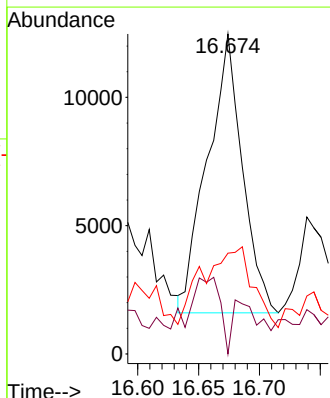
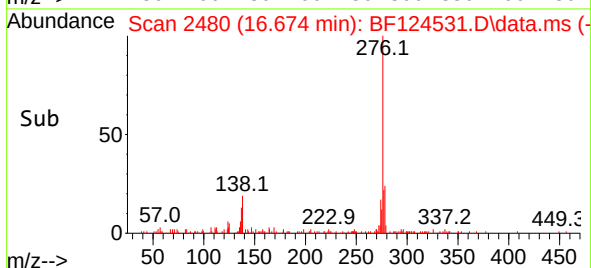
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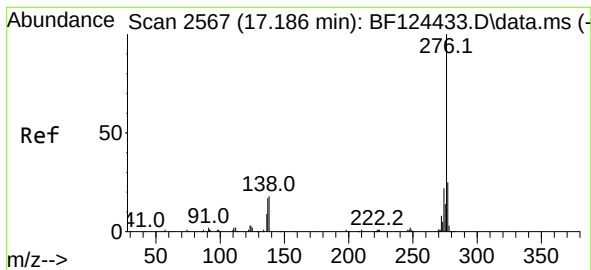


#91
Dibenzo(a,h)anthracene
Concen: 6.89 ng
RT: 16.674 min Scan# 2480
Delta R.T. 0.024 min
Lab File: BF124531.D
Acq: 2 Jul 2021 22:15

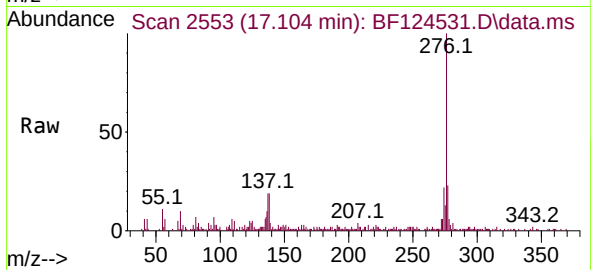


Tgt Ion:278 Resp: 21690
Ion Ratio Lower Upper
278 100
139 0.0 10.2 15.2#
279 31.5 19.4 29.0#

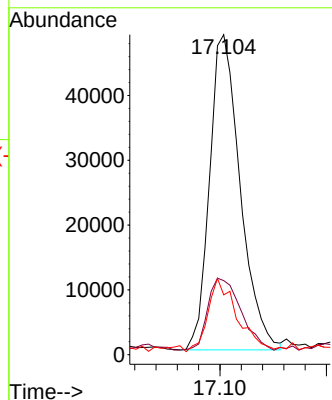
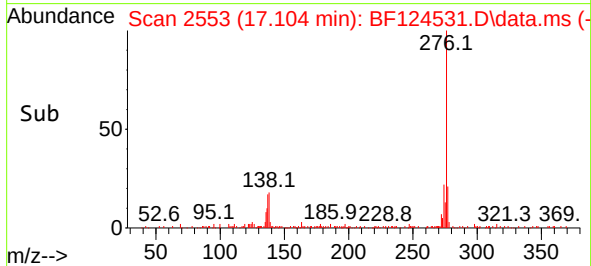




#92
 Benzo(g,h,i)perylene
 Concen: 31.37 ng
 RT: 17.104 min Scan# 2553
 Delta R.T. 0.035 min
 Lab File: BF124531.D
 Acq: 2 Jul 2021 22:15



Tgt Ion:	276	Resp:	97207
Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.2	27.2
138	18.7	13.8	20.6



Instrument :
 BNA_F
 ClientSampleId :
 D-4300

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