

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070221\
 Data File : BF124532.D
 Acq On : 2 Jul 2021 22:47
 Operator : JU/CG
 Sample : M2913-15
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-D20

Manual Integrations
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 7/7/2021 11:35:36 AM

Quant Time: Jul 03 01:46:27 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	6.669	152	32374	20.00	ng	0.00
21) Naphthalene-d8	7.957	136	120176	20.00	ng	# 0.00
39) Acenaphthene-d10	9.710	164	57420	20.00	ng	0.00
64) Phenanthrene-d10	11.198	188	98227	20.00	ng	0.00
76) Chrysene-d12	13.857	240	68795	20.00	ng	0.02
86) Perylene-d12	15.286	264	48632	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.298	112	175405	85.21	ng	0.00
7) Phenol-d6	6.334	99	206674	76.89	ng	0.00
23) Nitrobenzene-d5	7.239	82	148492	51.23	ng	-0.01
42) 2,4,6-Tribromophenol	10.504	330	52114	75.97	ng	0.00
45) 2-Fluorobiphenyl	9.033	172	281720	60.10	ng	0.00
79) Terphenyl-d14	12.786	244	248704	54.15	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.569	152	74596	12.93	ng	# 94
58) Fluorene	10.257	166	9443	2.10	ng	# 94
71) Phenanthrene	11.221	178	202035	32.63	ng	97
72) Anthracene	11.274	178	87490	14.18	ng	97
73) Carbazole	11.439	167	65342	12.15	ng	98
75) Fluoranthene	12.421	202	521011	83.61	ng	97
78) Pyrene	12.651	202	434814	69.24	ng	97
81) Benzo(a)anthracene	13.845	228	189185	38.14	ng	96
83) Chrysene	13.880	228	227724m	46.33	ng	
87) Indeno(1,2,3-cd)pyrene	16.692	276	88737	23.14	ng	94
88) Benzo(b)fluoranthene	14.886	252	231821m	62.91	ng	
89) Benzo(k)fluoranthene	14.904	252	75755m	22.47	ng	
90) Benzo(a)pyrene	15.233	252	127064	38.80	ng	99
91) Dibenzo(a,h)anthracene	16.692	278	26493	8.02	ng	# 73
92) Benzo(g,h,i)perylene	17.121	276	93443	28.75	ng	97

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

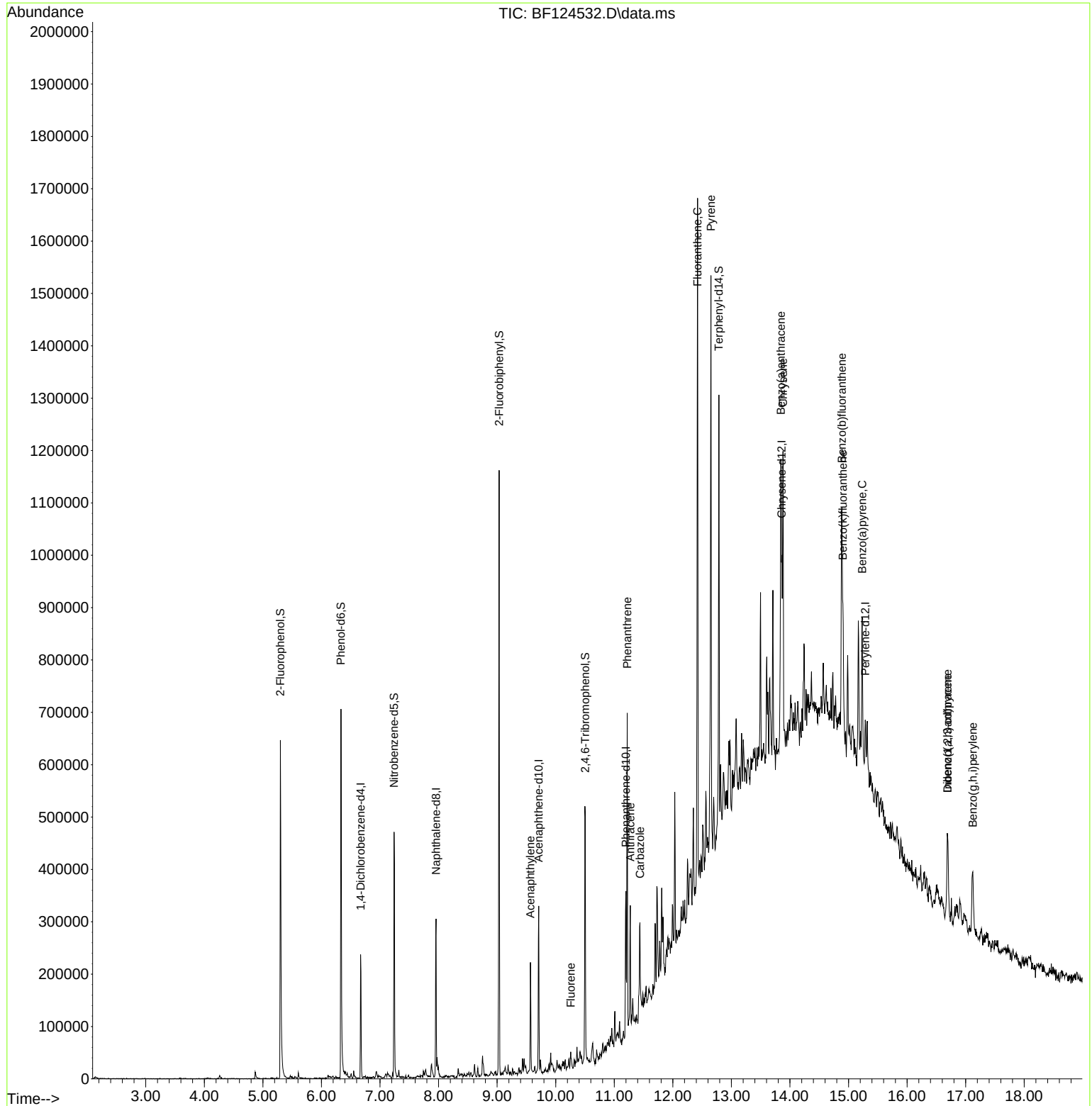
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Data File : BF124532.D
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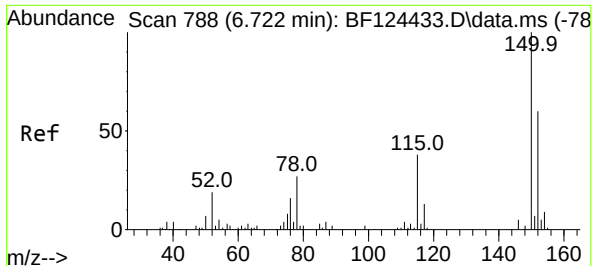
Instrument :
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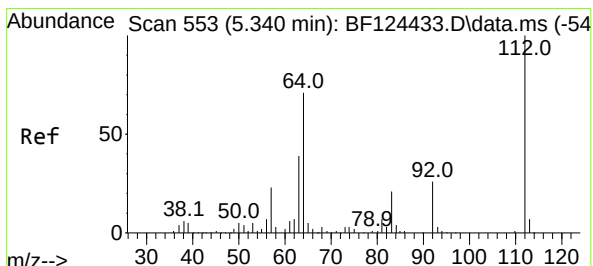
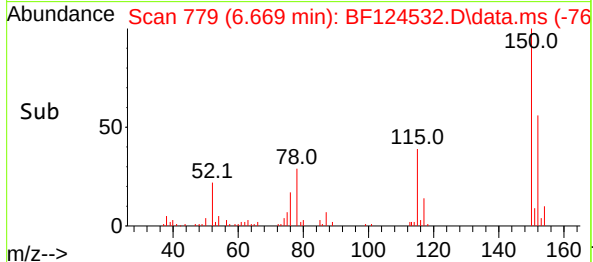
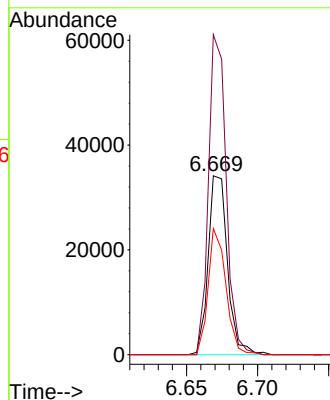
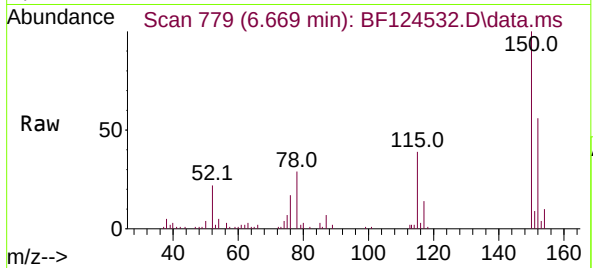
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.669 min Scan# 779
Delta R.T. -0.006 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Tgt Ion:152 Resp: 32374
Ion Ratio Lower Upper
152 100
150 178.8 127.0 190.6
115 70.6 54.3 81.5

Instrument :
BNA_F
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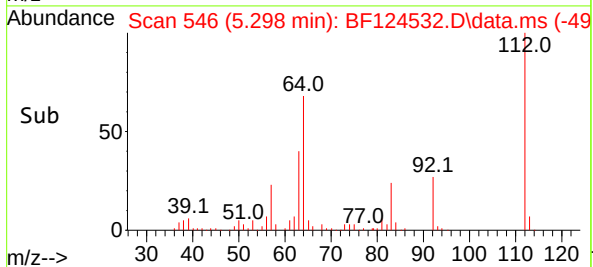
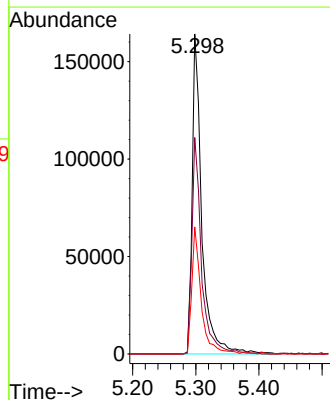
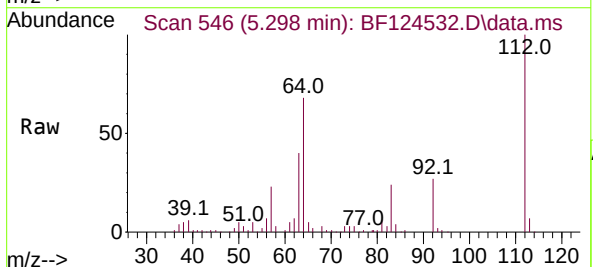
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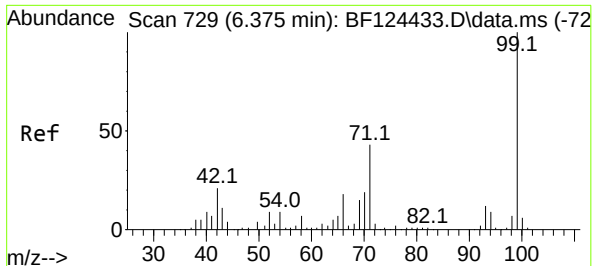
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#5
2-Fluorophenol
Concen: 85.21 ng
RT: 5.298 min Scan# 546
Delta R.T. 0.006 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Tgt Ion:112 Resp: 175405
Ion Ratio Lower Upper
112 100
64 67.7 61.4 92.0
63 39.7 33.0 49.4





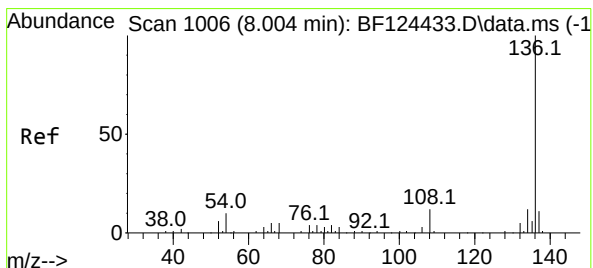
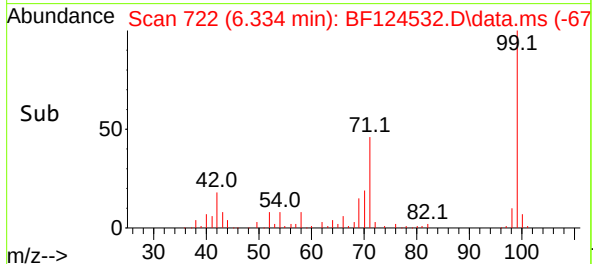
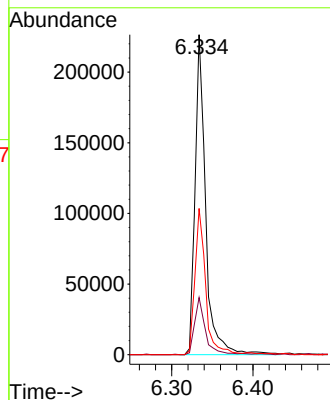
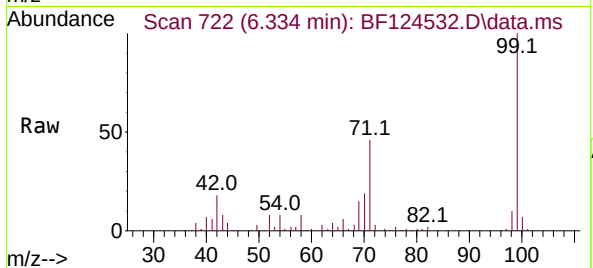
#7
Phenol-d6
Concen: 76.89 ng
RT: 6.334 min Scan# 722
Delta R.T. -0.000 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Tgt Ion: 99 Resp: 206674
Ion Ratio Lower Upper
99 100
42 17.9 19.8 29.8#
71 45.7 31.1 46.7

Instrument :
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ClientSampled :
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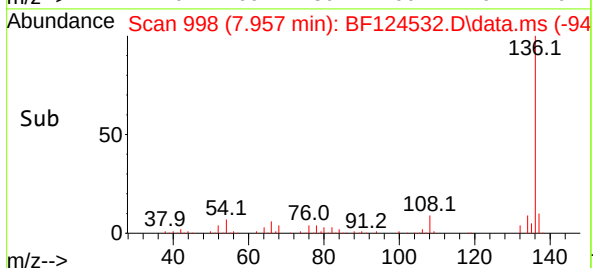
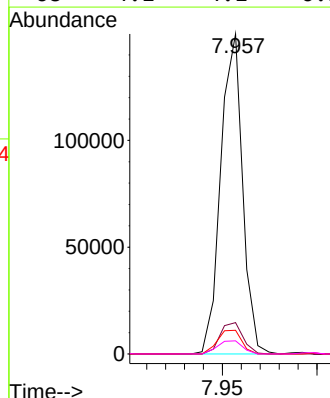
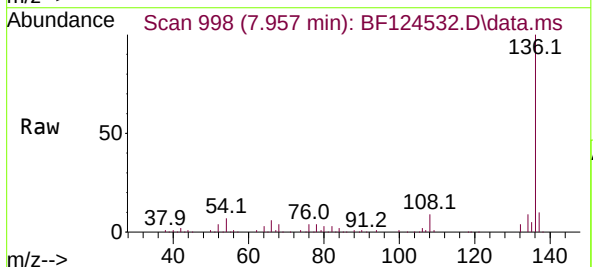
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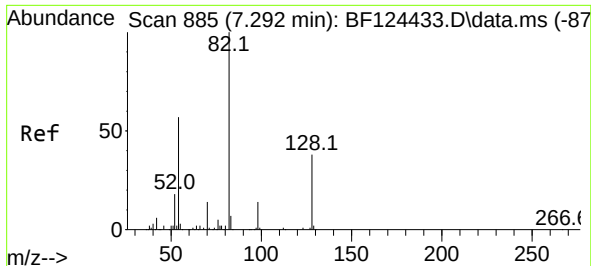
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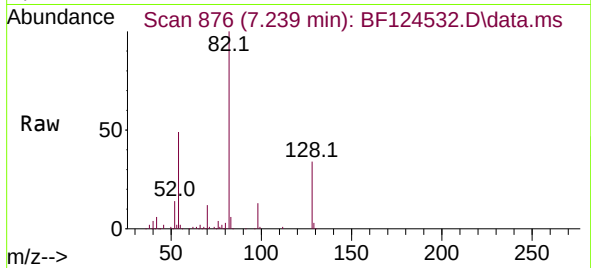
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.957 min Scan# 998
Delta R.T. -0.000 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Tgt Ion: 136 Resp: 120176
Ion Ratio Lower Upper
136 100
137 9.8 8.7 13.1
54 7.4 9.8 14.6#
68 4.1 4.1 6.1

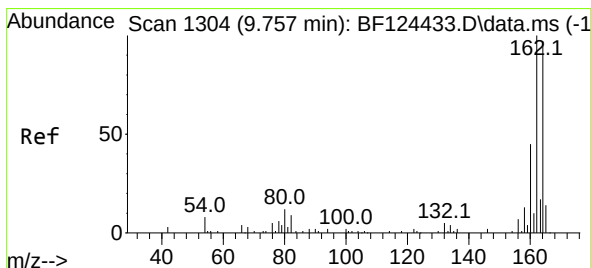
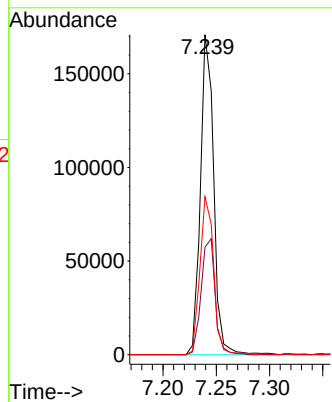
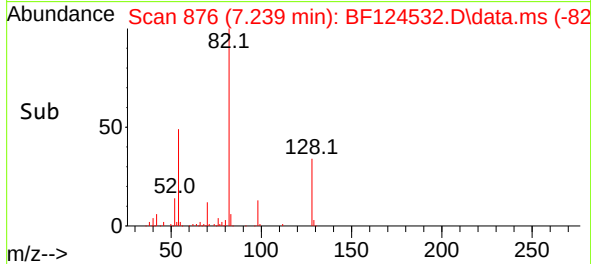




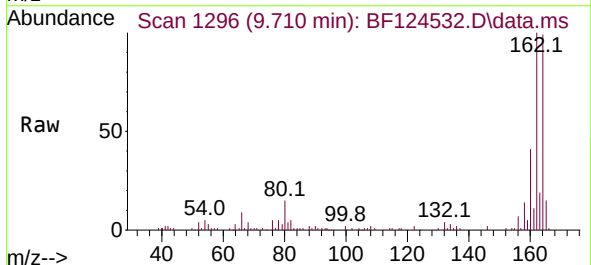
#23
Nitrobenzene-d5
Concen: 51.23 ng
RT: 7.239 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47



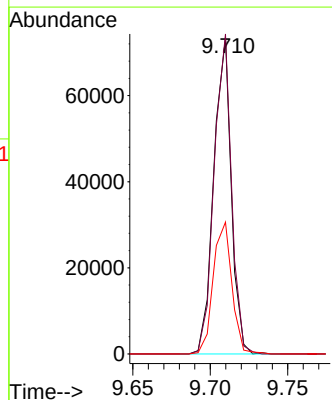
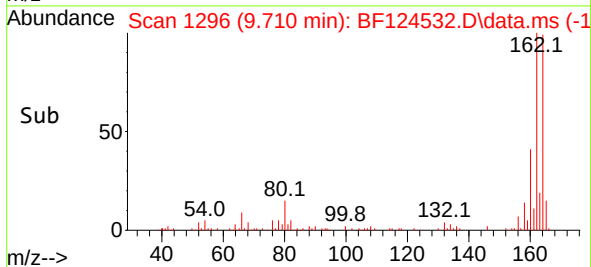
Tgt Ion: 82 Resp: 148492
Ion Ratio Lower Upper
82 100
128 33.5 29.4 44.2
54 49.4 54.1 81.1#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.710 min Scan# 1296
Delta R.T. -0.000 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47



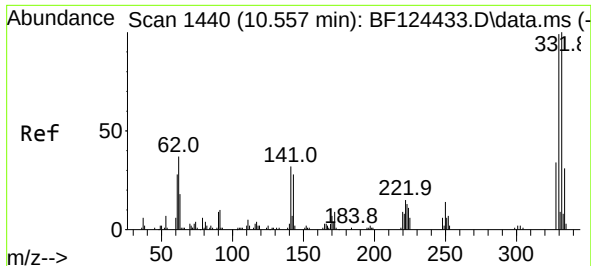
Tgt Ion: 164 Resp: 57420
Ion Ratio Lower Upper
164 100
162 101.1 80.7 121.1
160 41.7 37.3 55.9



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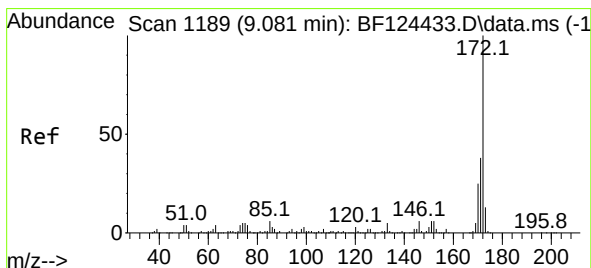
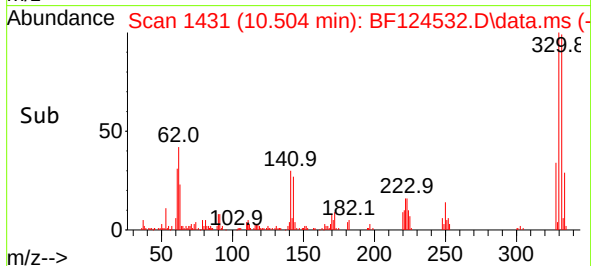
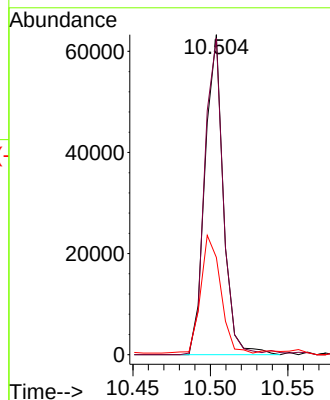
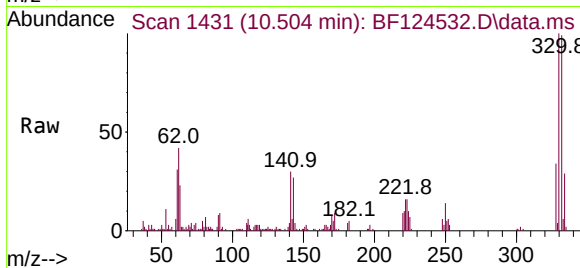
#42
2,4,6-Tribromophenol
Concen: 75.97 ng
RT: 10.504 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Tgt Ion: 330 Resp: 52114
Ion Ratio Lower Upper
330 100
332 101.4 77.1 115.7
141 40.1 27.9 41.9

Instrument :
BNA_F
ClientSampled :
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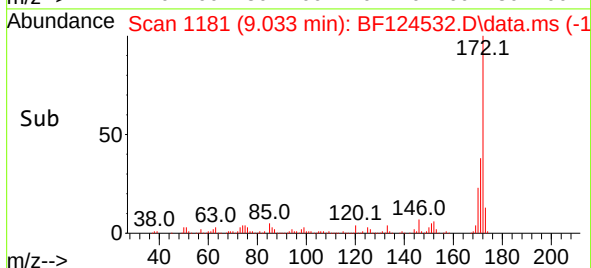
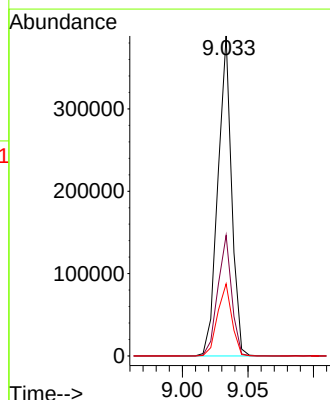
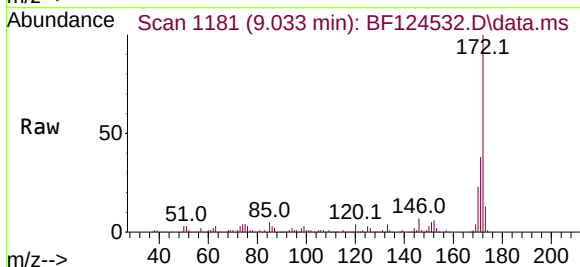
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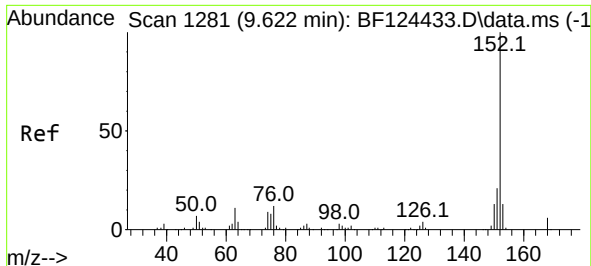
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#45
2-Fluorobiphenyl
Concen: 60.10 ng
RT: 9.033 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Tgt Ion: 172 Resp: 281720
Ion Ratio Lower Upper
172 100
171 37.7 28.1 42.1
170 22.6 19.2 28.8





#49

Acenaphthylene

Concen: 12.93 ng

RT: 9.569 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BF124532.D

Acq: 2 Jul 2021 22:47

Tgt Ion:	152	Resp:	74596
Ion Ratio	Lower	Upper	
152	100		
151	24.1	16.0	24.0#
153	13.8	10.4	15.6

Instrument :

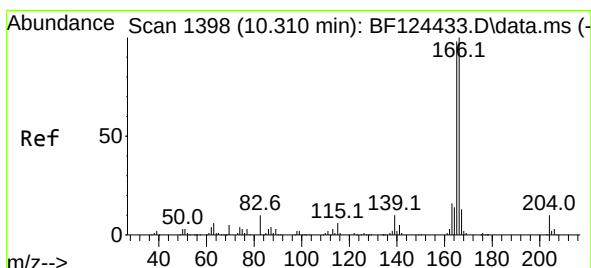
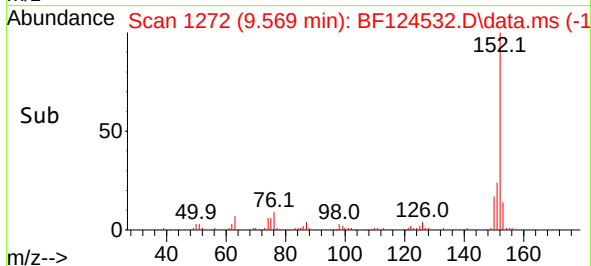
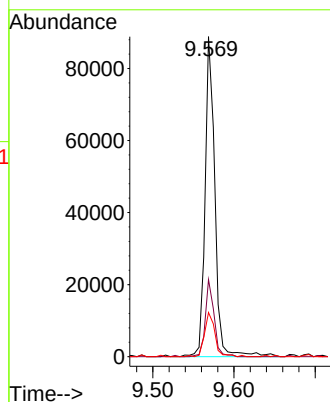
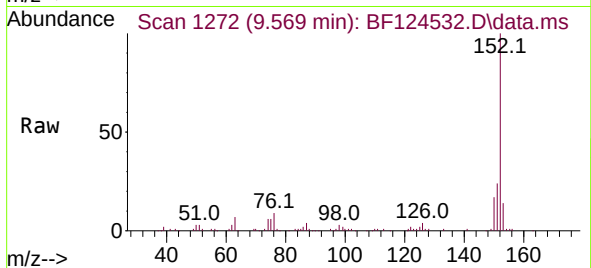
BNA_F

ClientSampled :

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#58

Fluorene

Concen: 2.10 ng

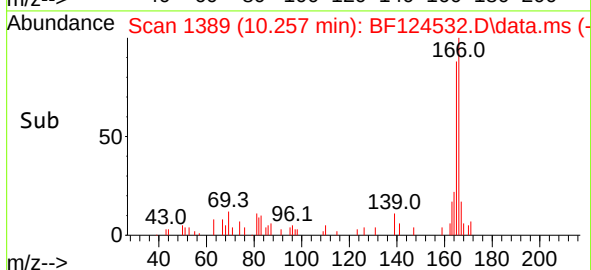
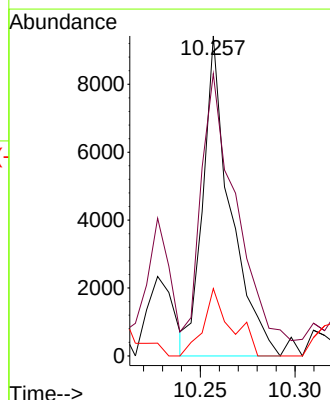
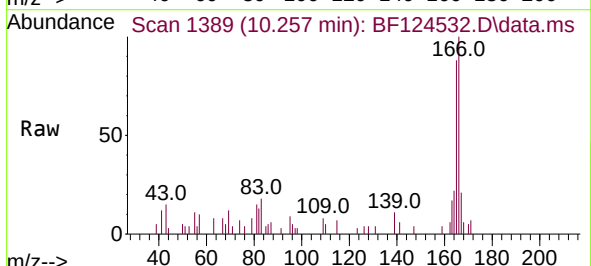
RT: 10.257 min Scan# 1389

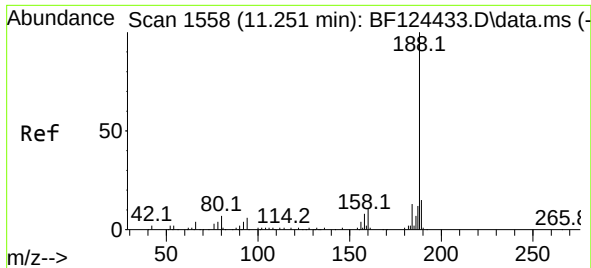
Delta R.T. -0.006 min

Lab File: BF124532.D

Acq: 2 Jul 2021 22:47

Tgt Ion:	166	Resp:	9443
Ion Ratio	Lower	Upper	
166	100		
165	88.2	73.5	110.3
167	21.1	10.7	16.1#





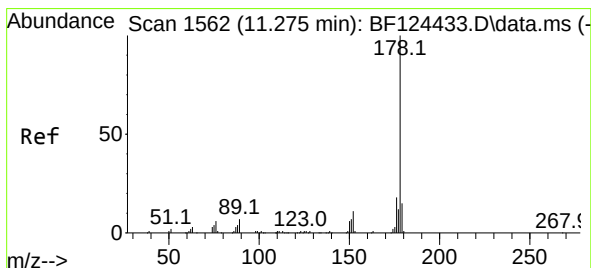
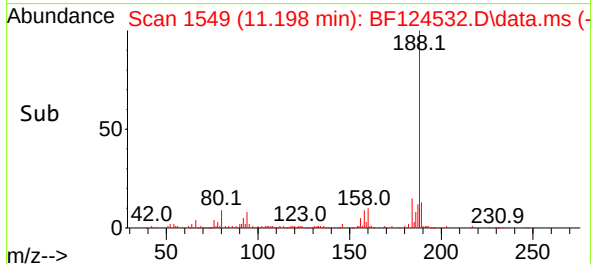
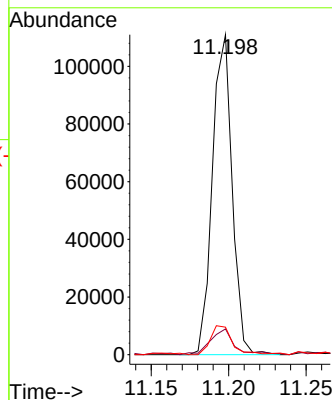
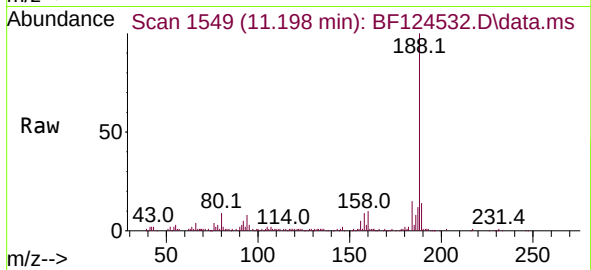
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.198 min Scan# 1549
Delta R.T. -0.000 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Instrument :
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ClientSampleId :
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Tgt Ion:188 Resp: 98227
Ion Ratio Lower Upper
188 100
94 8.0 6.9 10.3
80 8.6 8.2 12.2

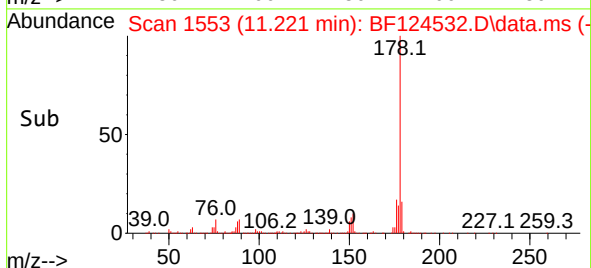
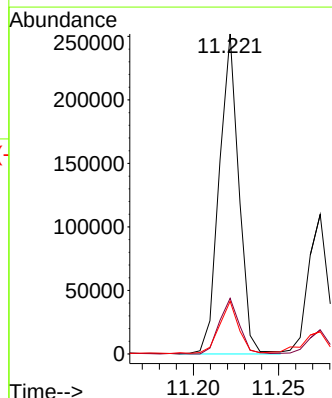
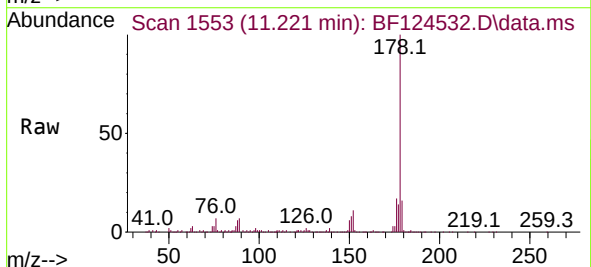
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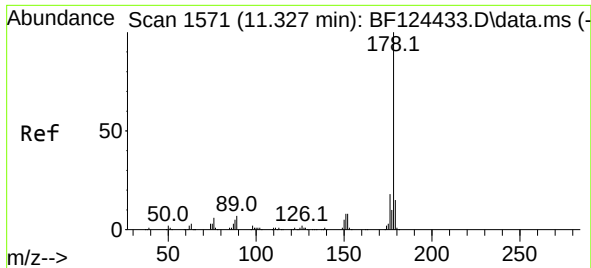
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#71
Phenanthrene
Concen: 32.63 ng
RT: 11.221 min Scan# 1553
Delta R.T. -0.000 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Tgt Ion:178 Resp: 202035
Ion Ratio Lower Upper
178 100
176 17.4 15.6 23.4
179 16.4 12.5 18.7





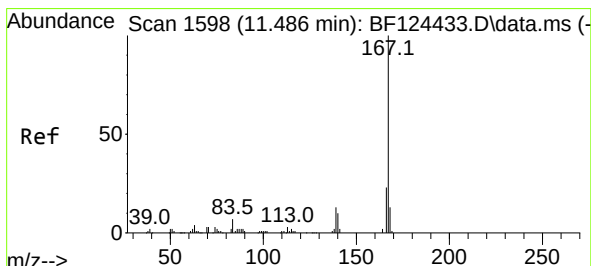
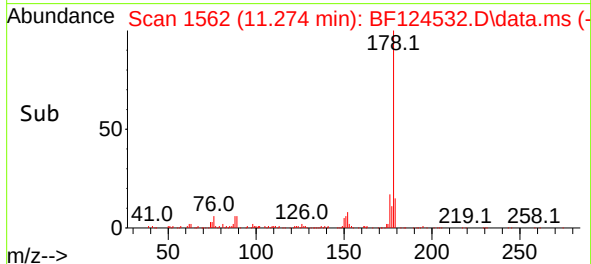
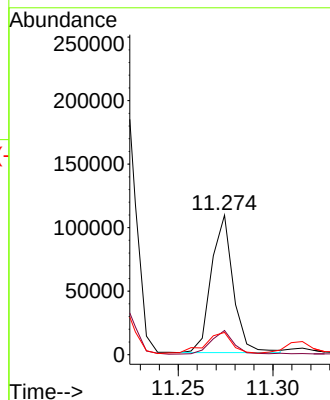
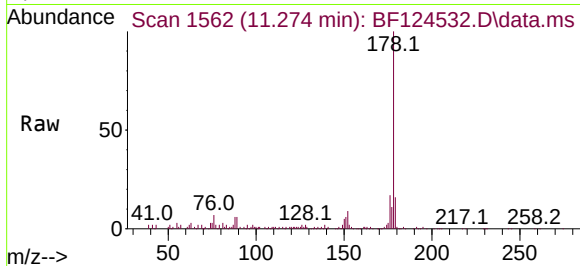
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 Anthracene
 Concen: 14.18 ng
 RT: 11.274 min Scan# 1562
 Delta R.T. -0.000 min
 Lab File: BF124532.D
 Acq: 2 Jul 2021 22:47

Tgt Ion:	178	Resp:	87490
Ion Ratio	Lower	Upper	
178	100		
176	17.3	15.4	23.0
179	16.0	12.6	18.8

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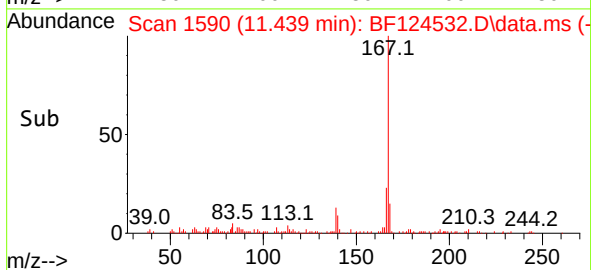
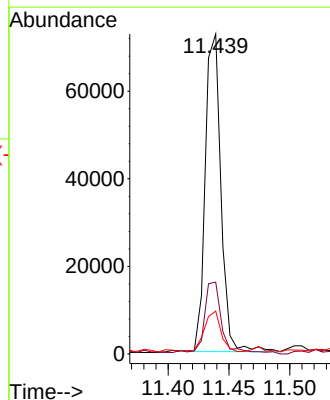
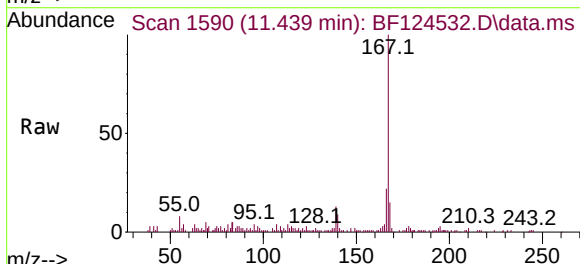
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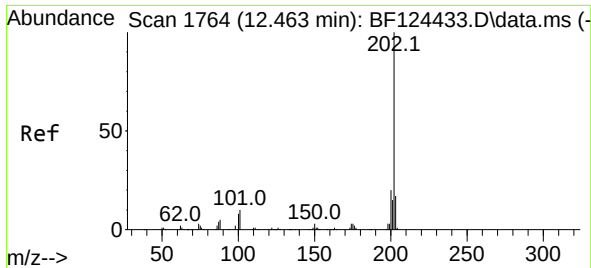
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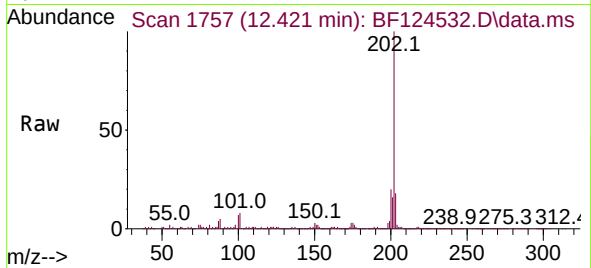
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 Carbazole
 Concen: 12.15 ng
 RT: 11.439 min Scan# 1590
 Delta R.T. 0.006 min
 Lab File: BF124532.D
 Acq: 2 Jul 2021 22:47

Tgt Ion:	167	Resp:	65342
Ion Ratio	Lower	Upper	
167	100		
166	22.5	17.0	25.6
139	13.4	10.4	15.6

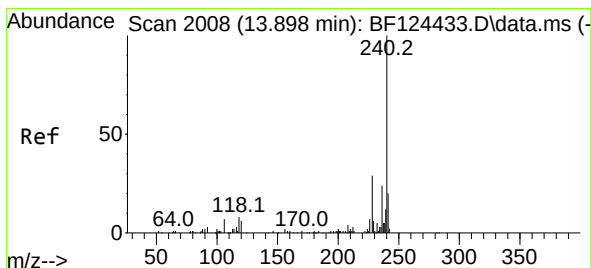
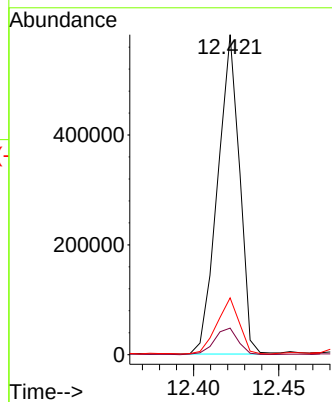
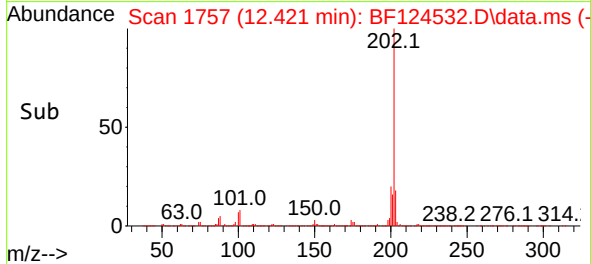




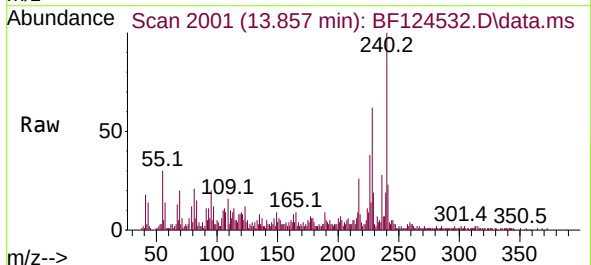
#75
Fluoranthene
Concen: 83.61 ng
RT: 12.421 min Scan# 1757
Delta R.T. 0.012 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47



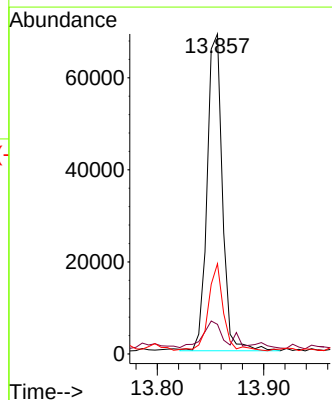
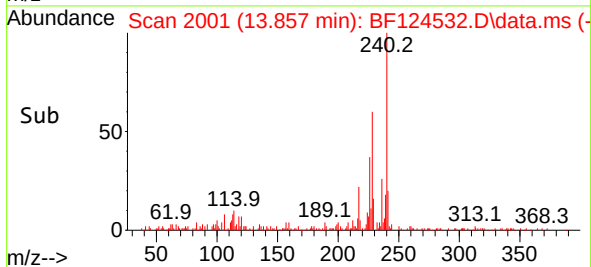
Tgt Ion:202 Resp: 521011
Ion Ratio Lower Upper
202 100
101 8.3 0.0 30.9
203 17.8 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.857 min Scan# 2001
Delta R.T. 0.018 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47



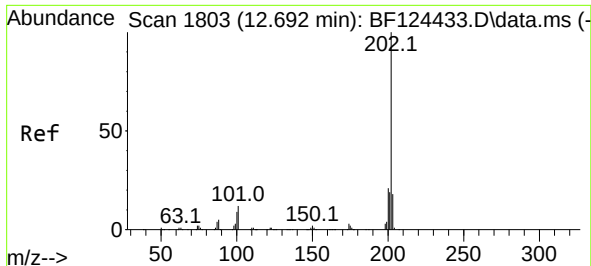
Tgt Ion:240 Resp: 68795
Ion Ratio Lower Upper
240 100
120 9.2 7.2 10.8
236 28.2 19.0 28.4



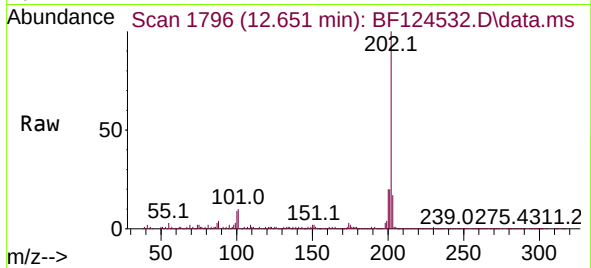
Instrument :
BNA_F
ClientSampled :
P-D20

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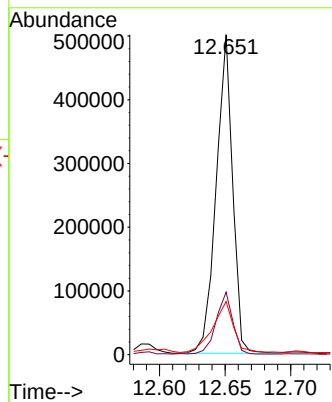
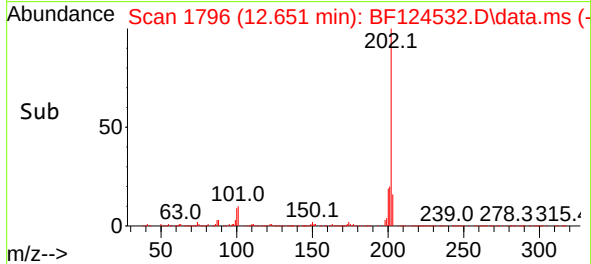
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#78
Pyrene
Concen: 69.24 ng
RT: 12.651 min Scan# 1796
Delta R.T. 0.012 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47



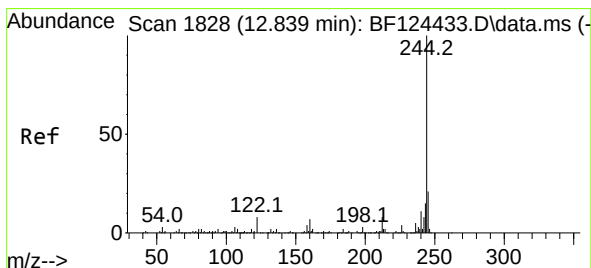
Tgt Ion:202 Resp: 434814
Ion Ratio Lower Upper
202 100
200 19.6 16.1 24.1
203 16.6 14.8 22.2



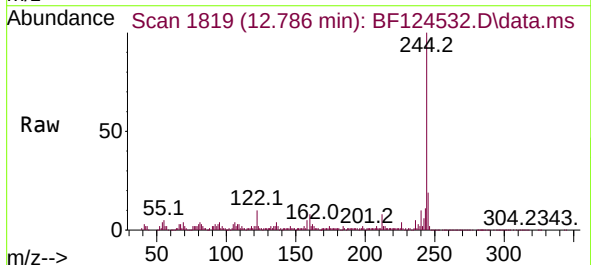
Instrument :
BNA_F
ClientSampled :
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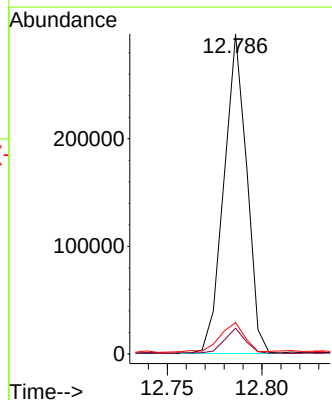
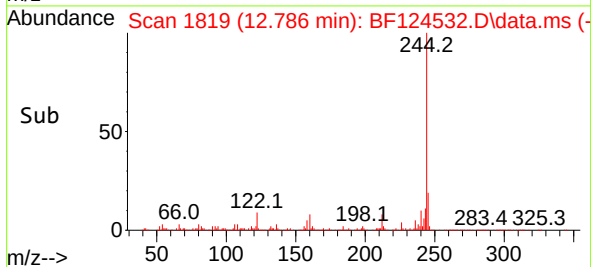
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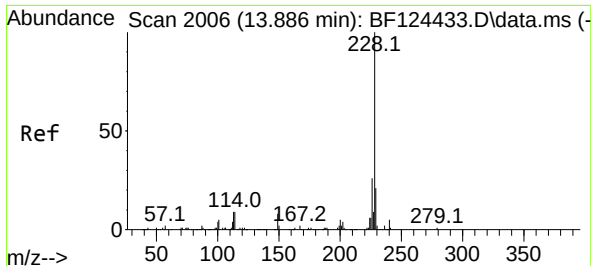


#79
Terphenyl-d14
Concen: 54.15 ng
RT: 12.786 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47



Tgt Ion:244 Resp: 248704
Ion Ratio Lower Upper
244 100
212 8.0 5.7 8.5
122 9.8 9.7 14.5





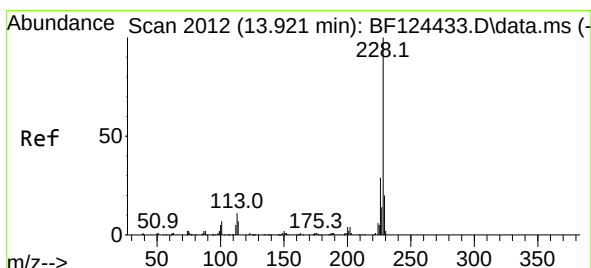
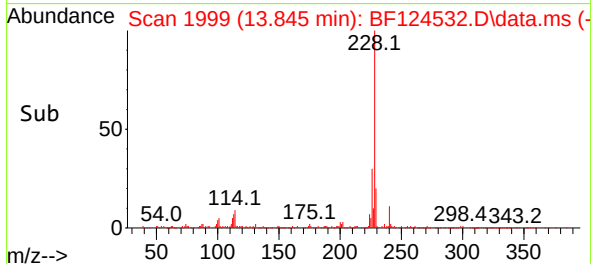
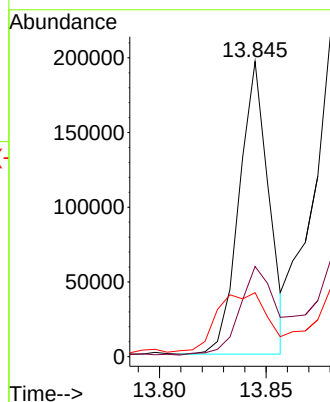
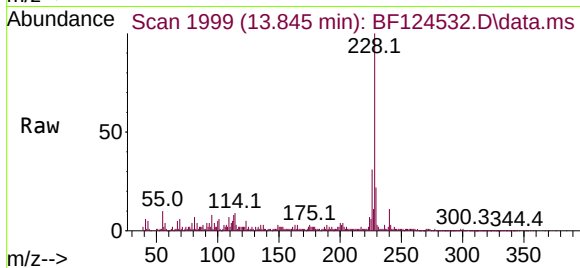
#81
Benzo(a)anthracene
Concen: 38.14 ng
RT: 13.845 min Scan# 1999
Delta R.T. 0.018 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Tgt Ion:228 Resp: 189185
Ion Ratio Lower Upper
228 100
226 30.6 22.4 33.6
229 21.7 16.0 24.0

Instrument :
BNA_F
ClientSampled :
P-D20

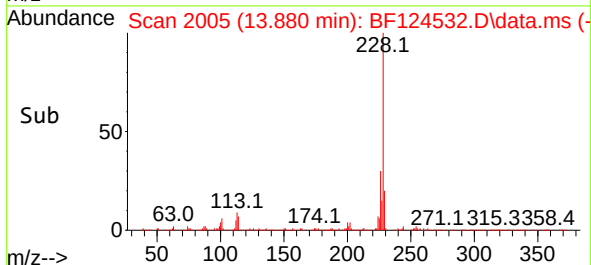
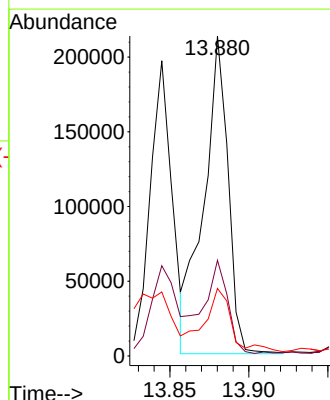
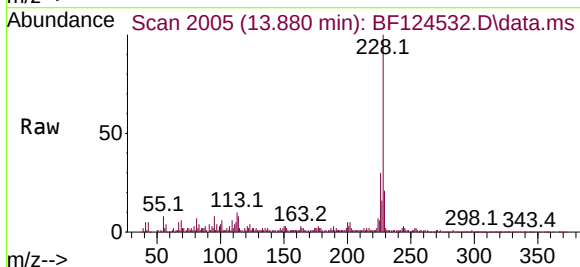
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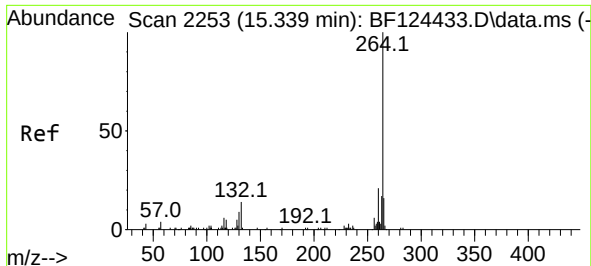
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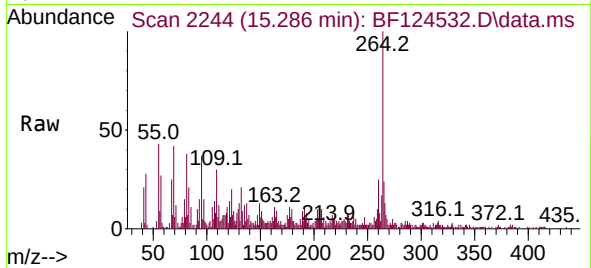
#83
Chrysene
Concen: 46.33 ng m
RT: 13.880 min Scan# 2005
Delta R.T. 0.012 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Tgt Ion:228 Resp: 227724
Ion Ratio Lower Upper
228 100
226 29.9 24.3 36.5
229 21.1 16.2 24.2

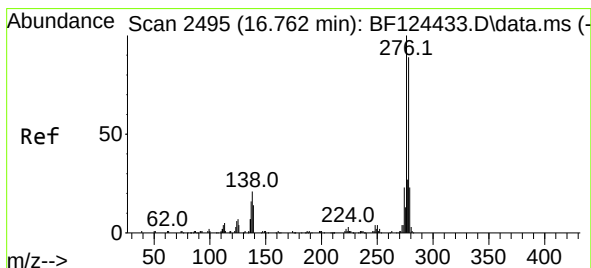
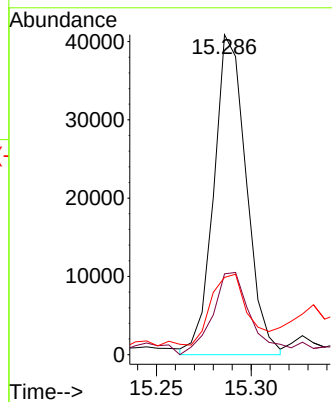
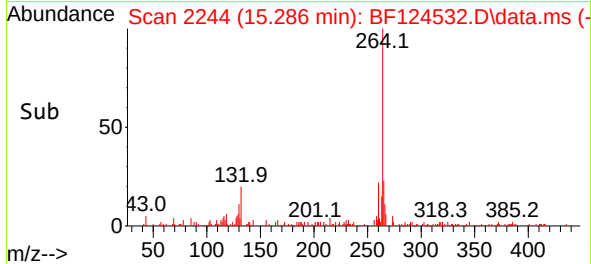




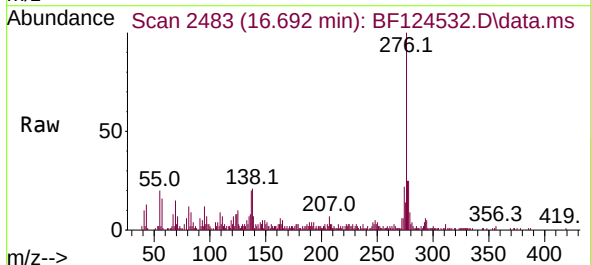
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.286 min Scan# 2244
Delta R.T. 0.023 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47



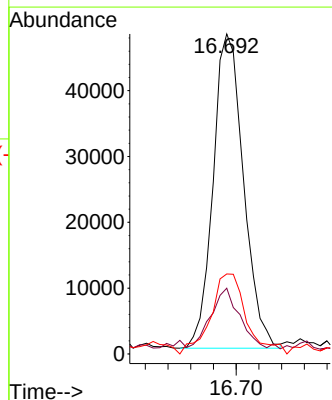
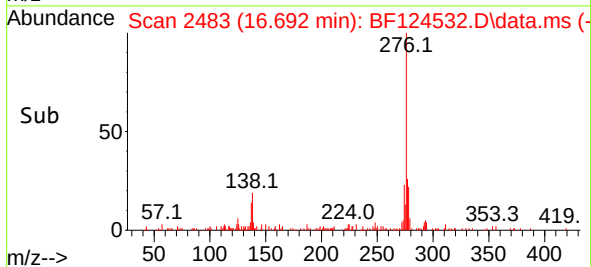
Tgt Ion:264 Resp: 48632
Ion Ratio Lower Upper
264 100
260 25.3 18.7 28.1
265 24.1 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 23.14 ng
RT: 16.692 min Scan# 2483
Delta R.T. 0.041 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47



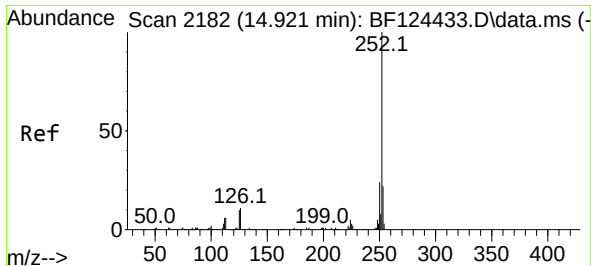
Tgt Ion:276 Resp: 88737
Ion Ratio Lower Upper
276 100
138 18.7 16.2 24.2
277 29.7 20.1 30.1



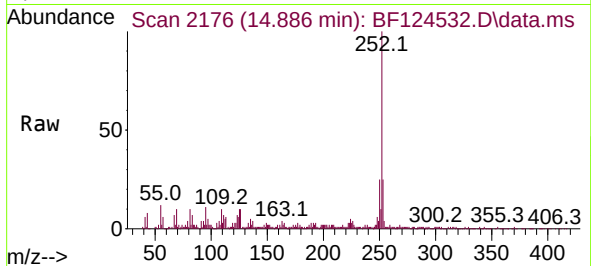
Instrument :
BNA_F
ClientSampled :
P-D20

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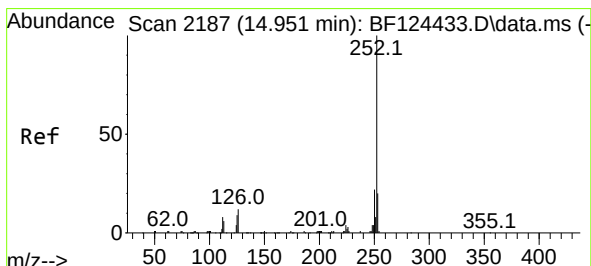
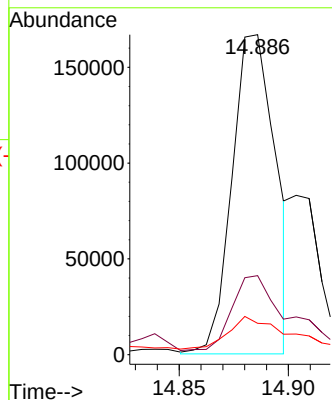
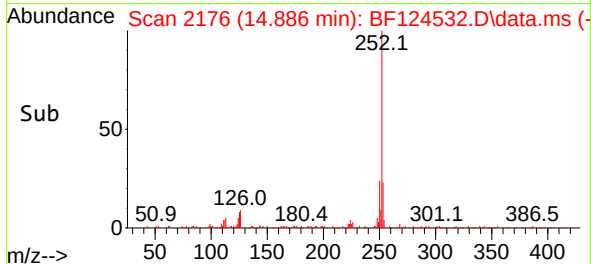
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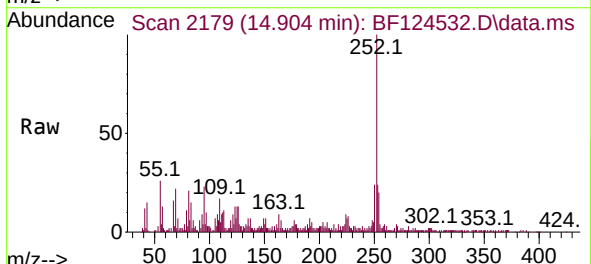
#88
Benzo(b)fluoranthene
Concen: 62.91 ng m
RT: 14.886 min Scan# 2176
Delta R.T. 0.029 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47



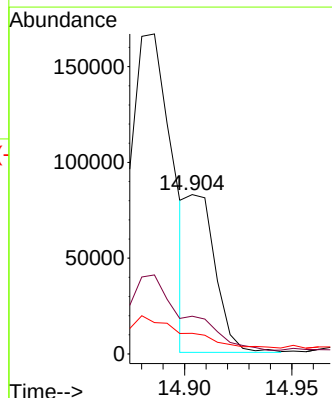
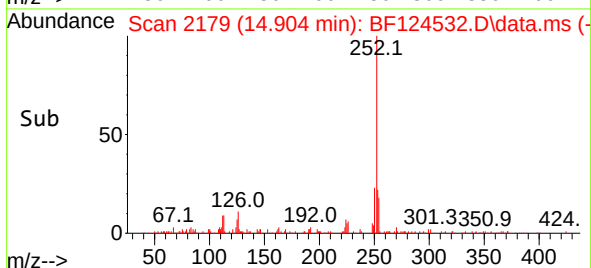
Tgt Ion:252 Resp: 231821
Ion Ratio Lower Upper
252 100
253 24.7 18.1 27.1
125 9.8 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 22.47 ng m
RT: 14.904 min Scan# 2179
Delta R.T. 0.018 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47



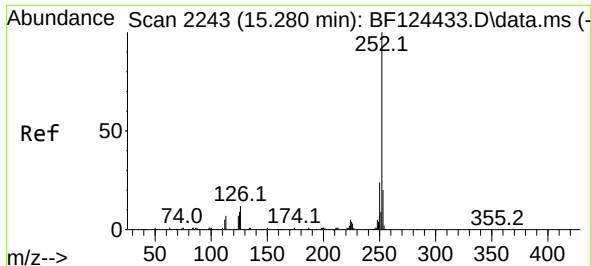
Tgt Ion:252 Resp: 75755
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 12.9 7.0 10.6#



Instrument :
BNA_F
ClientSampled :
P-D20

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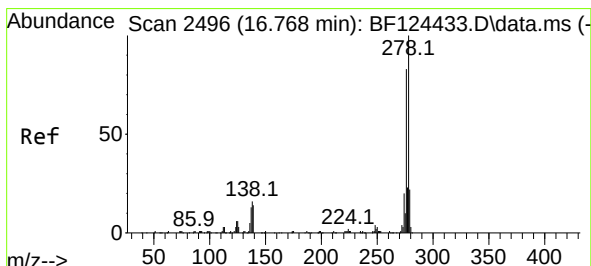
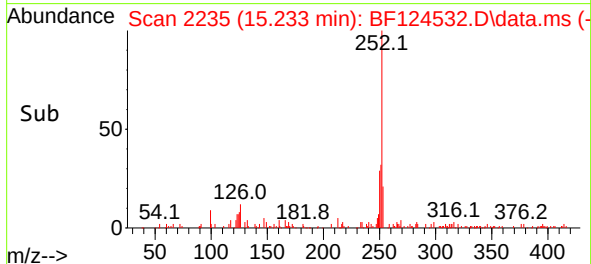
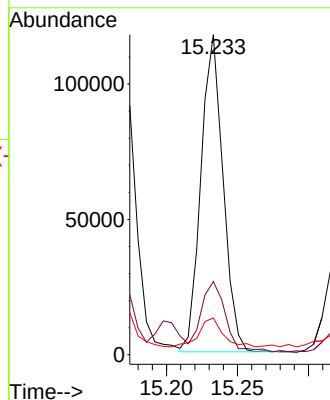
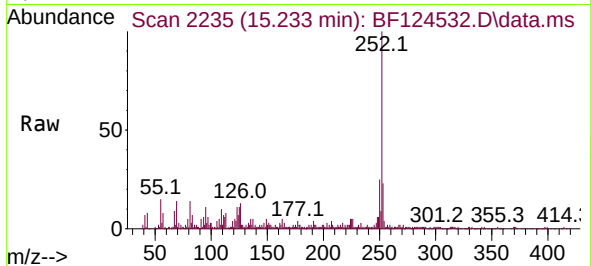
#90
Benzo(a)pyrene
Concen: 38.80 ng
RT: 15.233 min Scan# 2235
Delta R.T. 0.029 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Tgt Ion:252 Resp: 127064
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 11.5 8.0 12.0

Instrument :
BNA_F
ClientSampleId :
P-D20

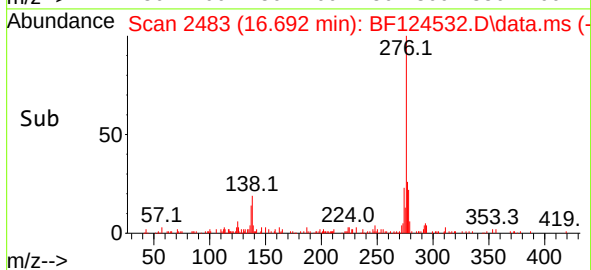
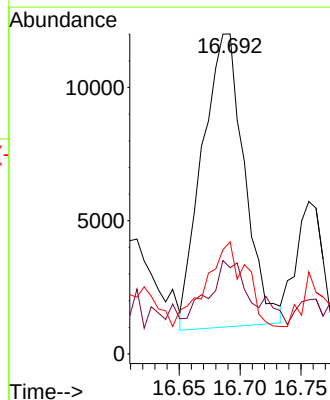
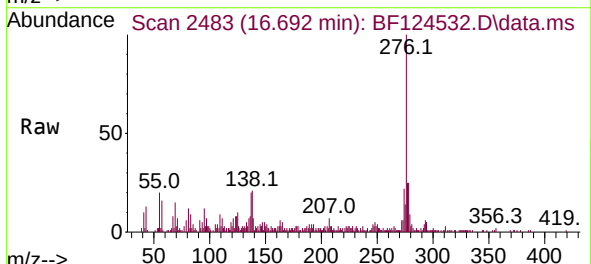
Manual Integrations
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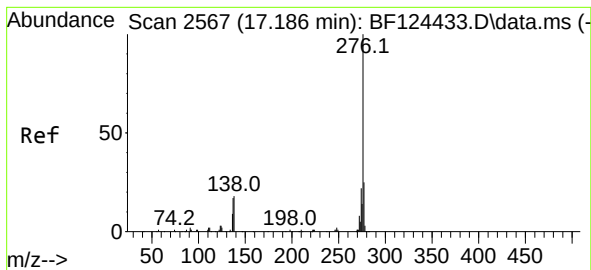
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#91
Dibenzo(a,h)anthracene
Concen: 8.02 ng
RT: 16.692 min Scan# 2483
Delta R.T. 0.041 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

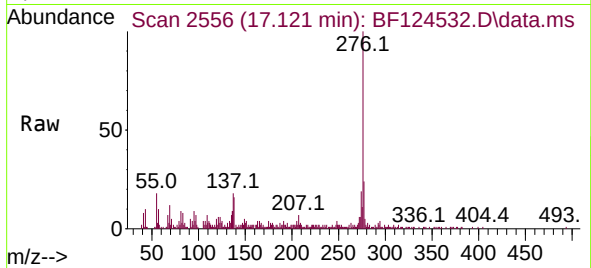
Tgt Ion:278 Resp: 26493
Ion Ratio Lower Upper
278 100
139 27.0 10.2 15.2#
279 35.1 19.4 29.0#





#92
Benzo(g,h,i)perylene
Concen: 28.75 ng
RT: 17.121 min Scan# 2556
Delta R.T. 0.053 min
Lab File: BF124532.D
Acq: 2 Jul 2021 22:47

Instrument :
BNA_F
ClientSampleId :
P-D20



Tgt Ion:	276	Resp:	93443
Ion Ratio	Lower	Upper	
276	100		
277	24.4	18.2	27.2
138	15.7	13.8	20.6

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