

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061221\
 Data File : BF124283.D
 Acq On : 12 Jun 2021 13:29
 Operator : JU/CG
 Sample : M2660-01DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-060921DL

Manual Integrations
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Quant Time: Jun 14 04:25:02 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 10 01:53:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	36094	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	135494	20.000	ng	#-0.01
39) Acenaphthene-d10	9.875	164	78556	20.000	ng	-0.02
64) Phenanthrene-d10	11.363	188	123127	20.000	ng	-0.01
76) Chrysene-d12	14.010	240	84094	20.000	ng	-0.01
86) Perylene-d12	15.486	264	97725	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	40584	16.926	ng	-0.02
7) Phenol-d6	6.475	99	50232	15.586	ng	-0.02
23) Nitrobenzene-d5	7.398	82	38403	11.241	ng	-0.02
42) 2,4,6-Tribromophenol	10.663	330	17100	15.365	ng	-0.02
45) 2-Fluorobiphenyl	9.192	172	71686	11.483	ng	-0.02
79) Terphenyl-d14	12.945	244	54041	8.823	ng	-0.02
Target Compounds						Qvalue
52) Acenaphthene	9.910	154	17974	3.507	ng	87
55) Dibenzofuran	10.081	168	22400	2.793	ng	# 88
58) Fluorene	10.422	166	37151	6.035	ng	92
71) Phenanthrene	11.392	178	235198	30.579	ng	97
72) Anthracene	11.439	178	63929	8.253	ng	98
75) Fluoranthene	12.580	202	239152	29.621	ng	97
78) Pyrene	12.810	202	183765	22.757	ng	97
81) Benzo(a)anthracene	13.998	228	88212	14.399	ng	98
83) Chrysene	14.033	228	73507	12.436	ng	95
87) Indeno(1,2,3-cd)pyrene	16.962	276	37948	8.579	ng	100
88) Benzo(b)fluoranthene	15.057	252	95098m	12.527	ng	
89) Benzo(k)fluoranthene	15.080	252	37021m	5.151	ng	
90) Benzo(a)pyrene	15.421	252	74807	11.345	ng	96
91) Dibenzo(a,h)anthracene	16.962	278	10821m	5.598	ng	
92) Benzo(g,h,i)perylene	17.404	276	28158	7.592	ng	# 93

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

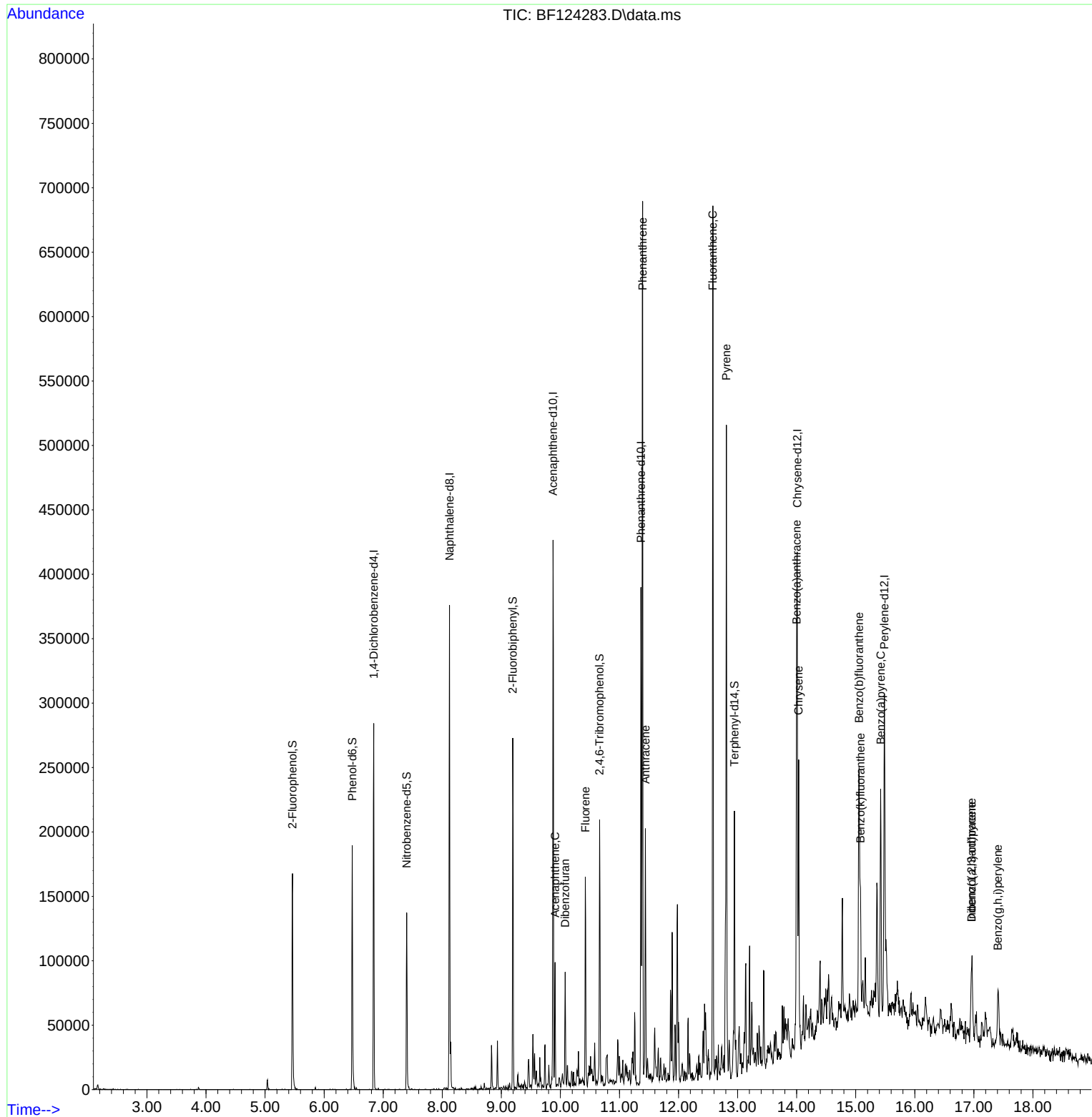
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Data File : BF124283.D
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ALS Vial : 7 Sample Multiplier: 1

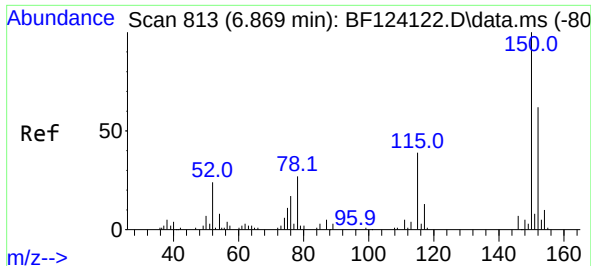
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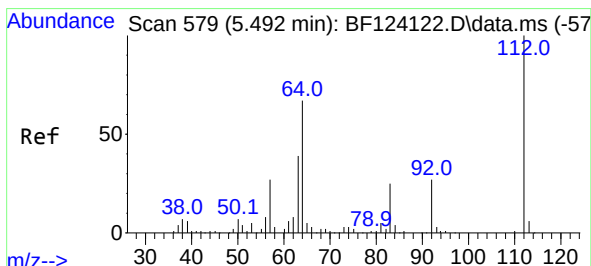
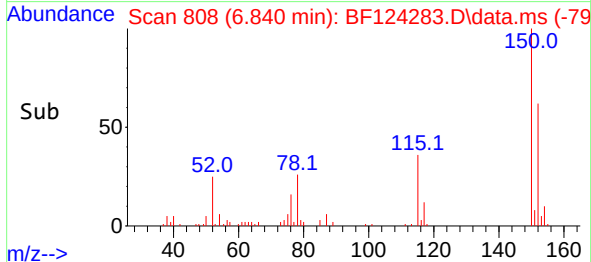
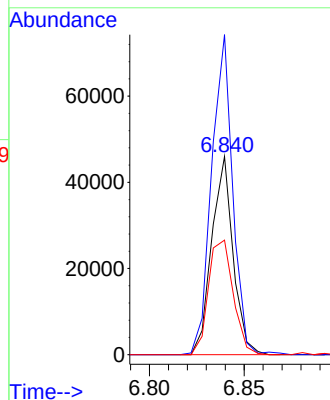
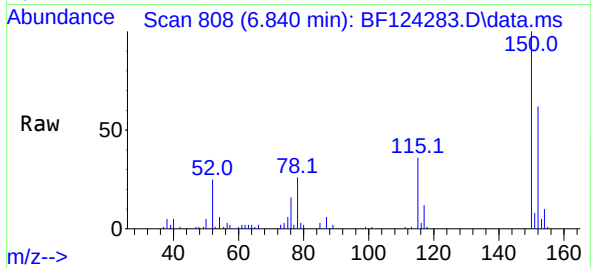
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 808
Delta R.T. -0.011 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

Tgt Ion:152 Resp: 36094
Ion Ratio Lower Upper
152 100
150 161.5 127.0 190.6
115 57.8 54.3 81.5

Instrument :
BNA_F
ClientSampleId :
OR-03-060921DL

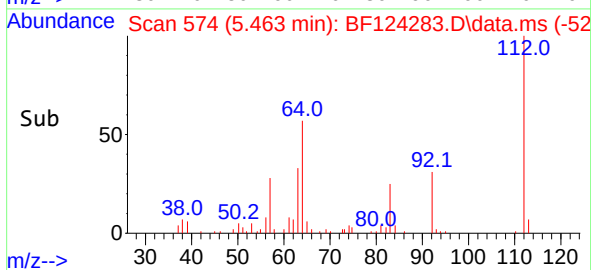
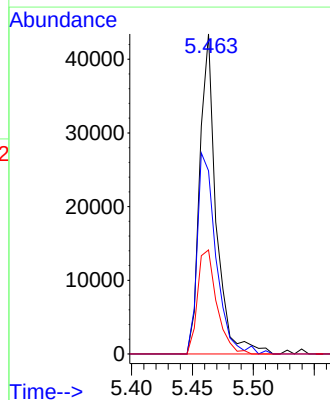
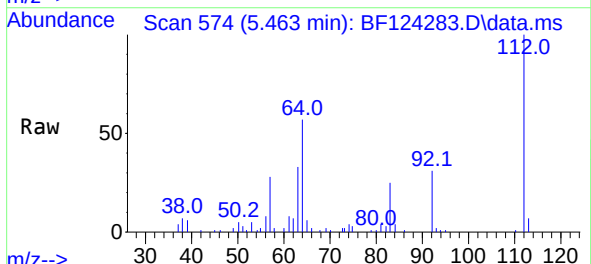
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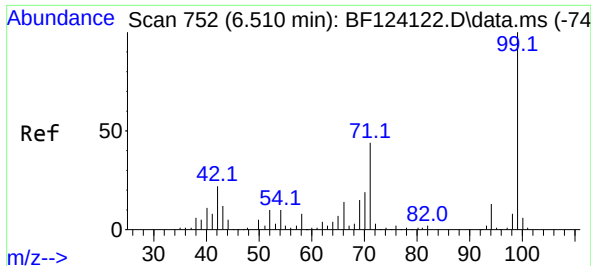
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#5
2-Fluorophenol
Concen: 16.926 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.017 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

Tgt Ion:112 Resp: 40584
Ion Ratio Lower Upper
112 100
64 57.3 61.4 92.0#
63 32.5 33.0 49.4#





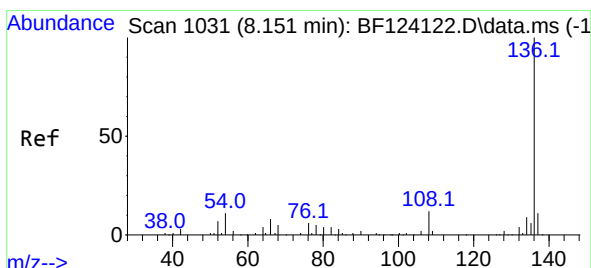
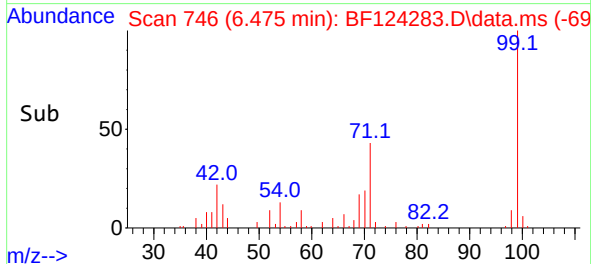
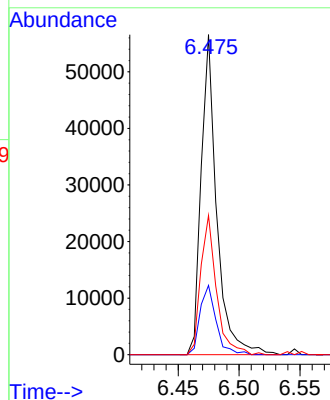
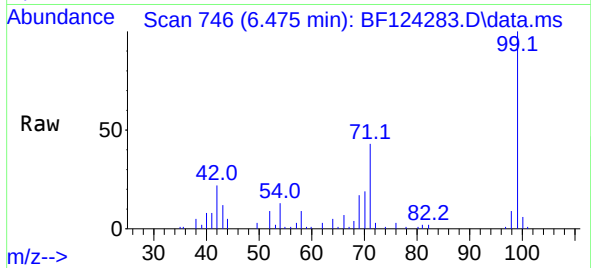
#7
Phenol-d6
Concen: 15.586 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.023 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

Tgt Ion: 99 Resp: 50232
Ion Ratio Lower Upper
99 100
42 21.7 19.8 29.8
71 43.5 31.1 46.7

Instrument :
BNA_F
ClientSampleId :
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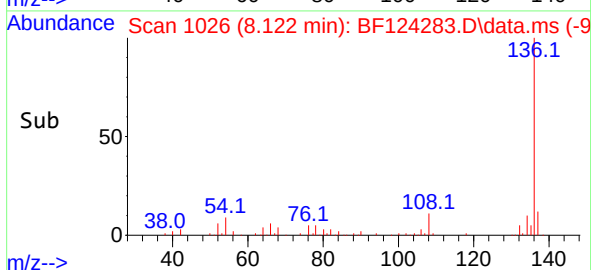
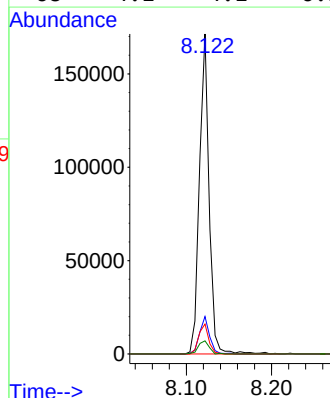
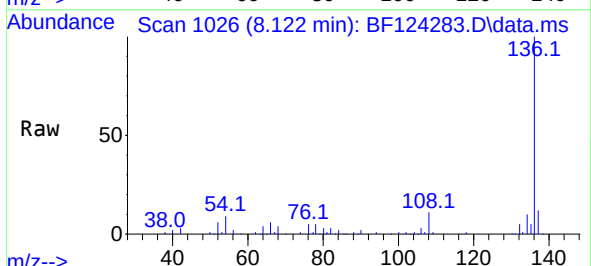
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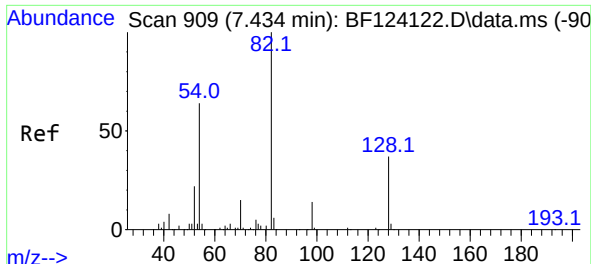
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

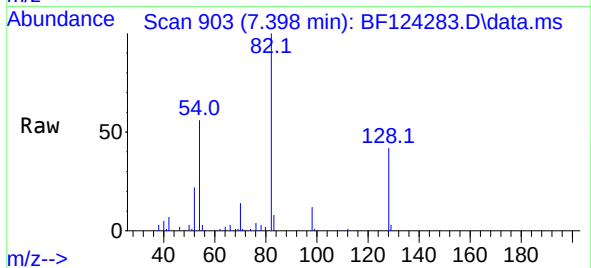
Tgt Ion: 136 Resp: 135494
Ion Ratio Lower Upper
136 100
137 11.7 8.7 13.1
54 9.4 9.8 14.6#
68 4.1 4.1 6.1





#23
Nitrobenzene-d5
Concen: 11.241 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.017 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

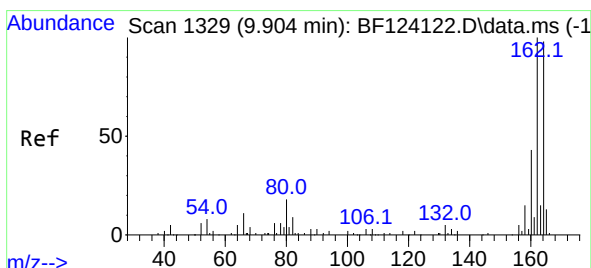
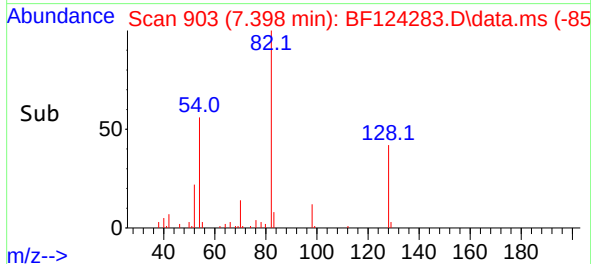
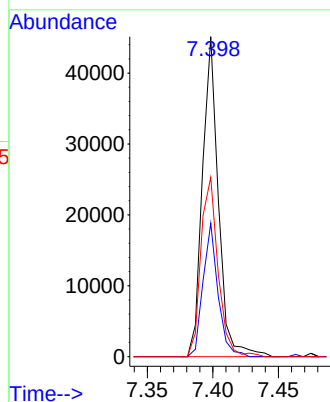
Instrument :
BNA_F
ClientSampleId :
OR-03-060921DL



Tgt Ion: 82 Resp: 38403
Ion Ratio Lower Upper
82 100
128 41.7 29.4 44.2
54 56.1 54.1 81.1

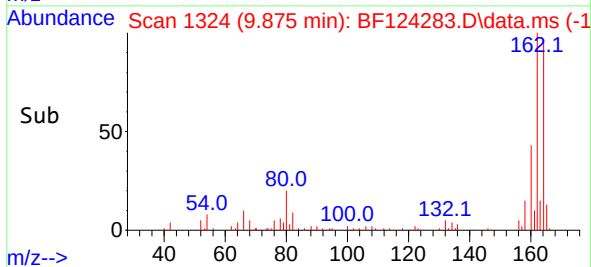
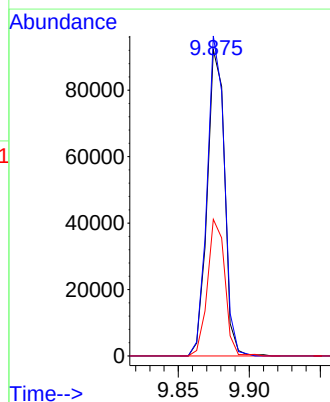
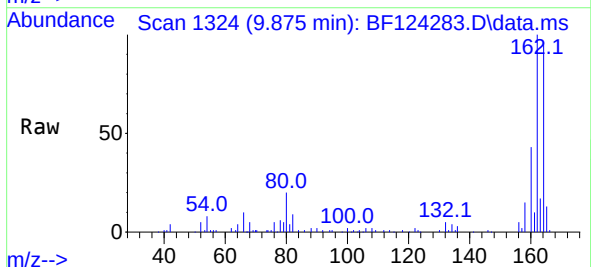
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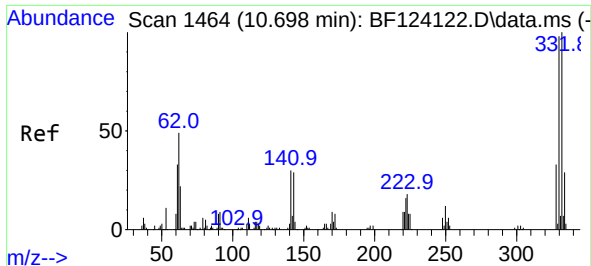
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.017 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

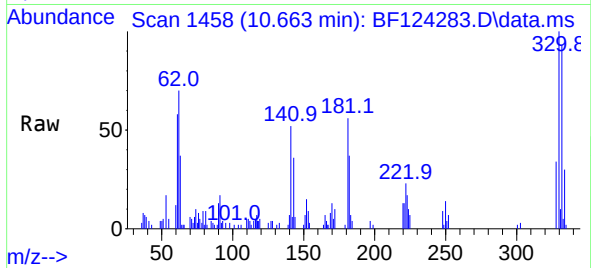
Tgt Ion: 164 Resp: 78556
Ion Ratio Lower Upper
164 100
162 104.5 80.7 121.1
160 44.6 37.3 55.9





#42
2,4,6-Tribromophenol
Concen: 15.365 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.017 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

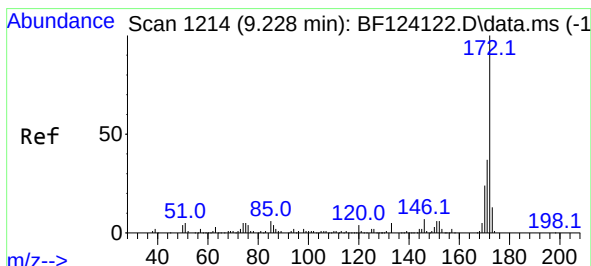
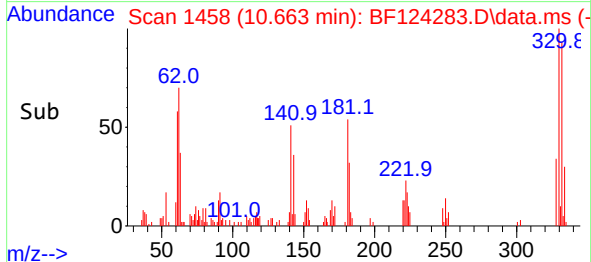
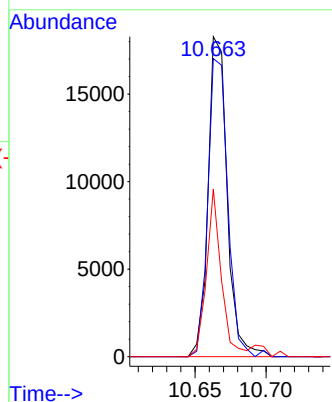
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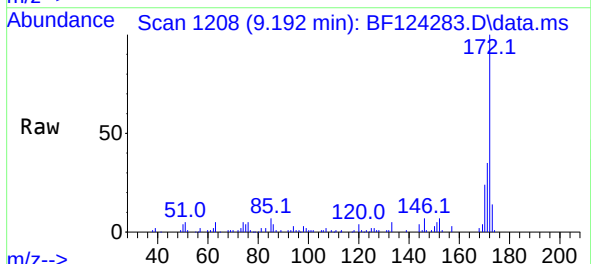
Tgt Ion:330 Resp: 17100
Ion Ratio Lower Upper
330 100
332 97.1 77.1 115.7
141 40.7 27.9 41.9

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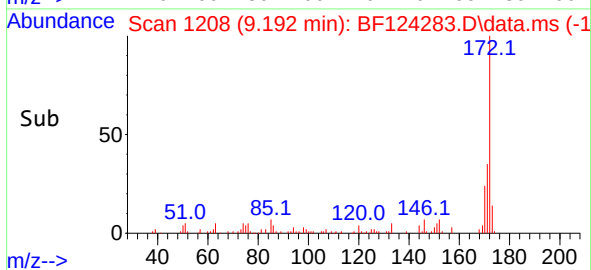
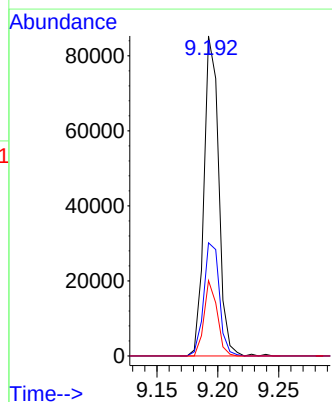
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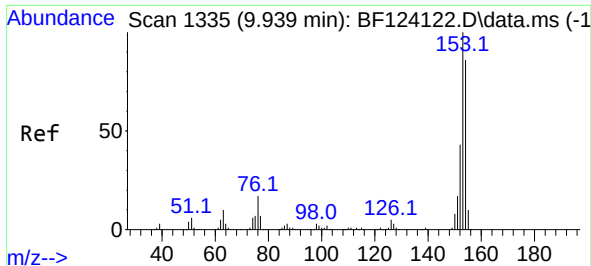


#45
2-Fluorobiphenyl
Concen: 11.483 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.017 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29



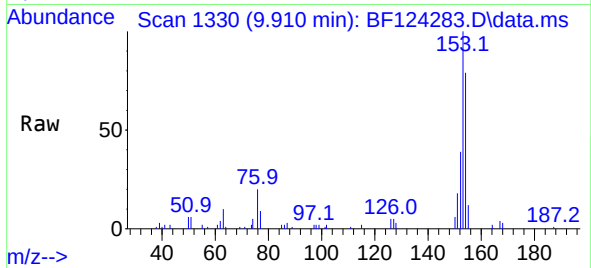
Tgt Ion:172 Resp: 71686
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.5 19.2 28.8





#52
Acenaphthene
Concen: 3.507 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.017 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

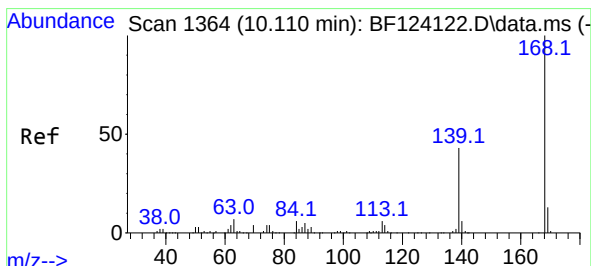
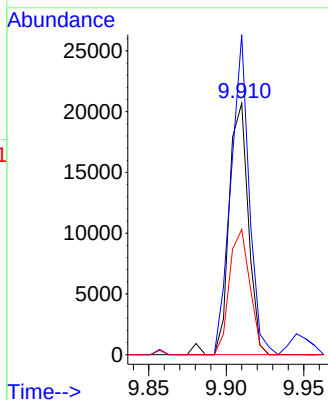
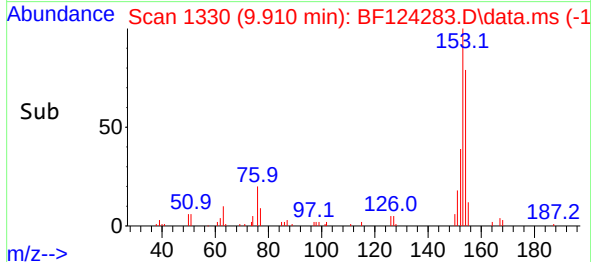
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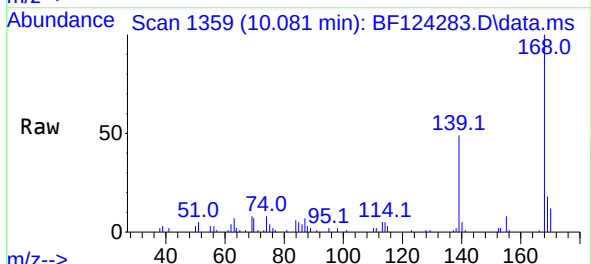
Tgt Ion:154 Resp: 17974
Ion Ratio Lower Upper
154 100
153 127.3 88.1 132.1
152 49.9 43.4 65.0

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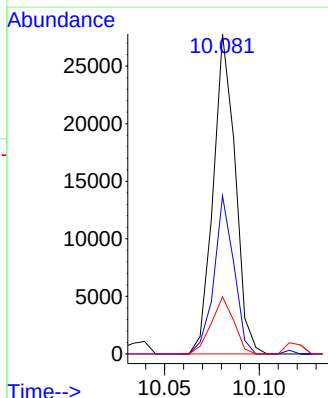
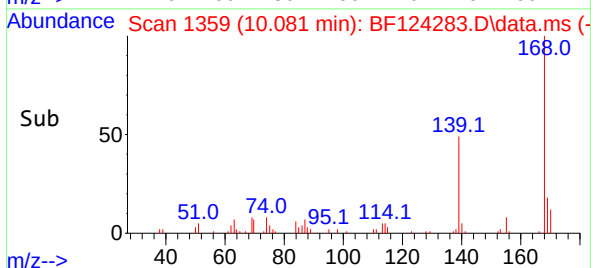
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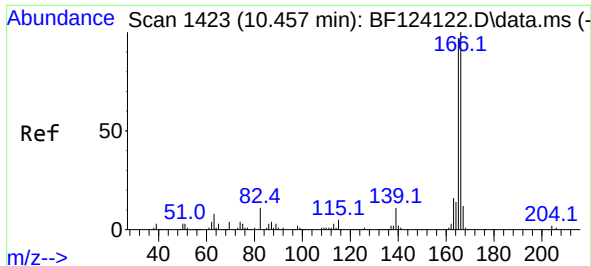


#55
Dibenzofuran
Concen: 2.793 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.017 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29



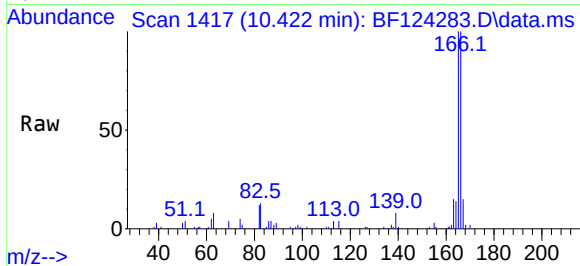
Tgt Ion:168 Resp: 22400
Ion Ratio Lower Upper
168 100
139 49.5 33.2 49.8
169 17.8 10.8 16.2#





#58
Fluorene
Concen: 6.035 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.017 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

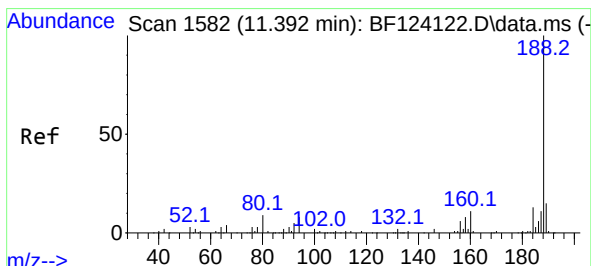
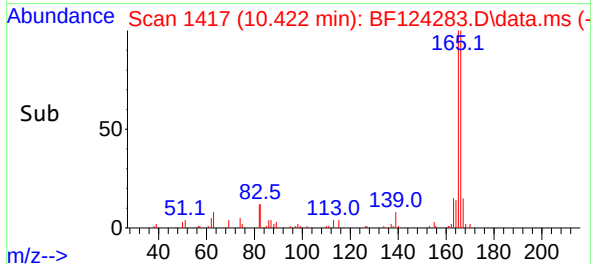
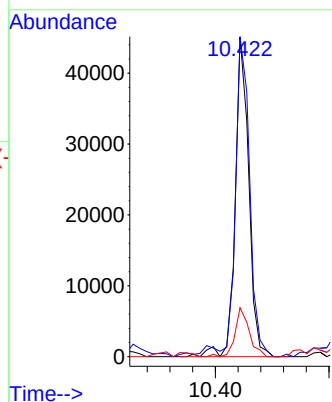
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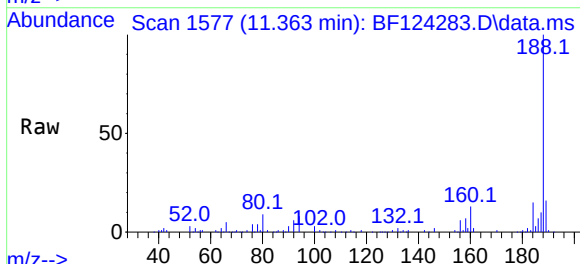
Tgt Ion:166 Resp: 37151
Ion Ratio Lower Upper
166 100
165 100.1 73.5 110.3
167 15.3 10.7 16.1

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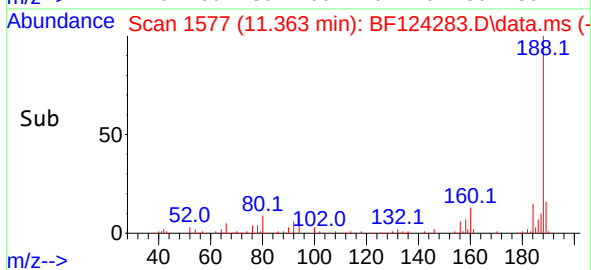
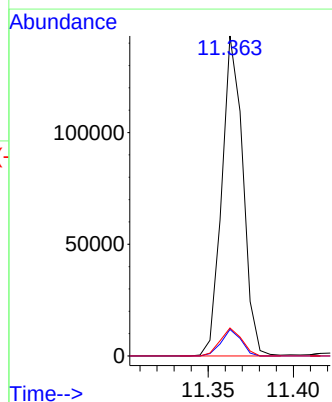
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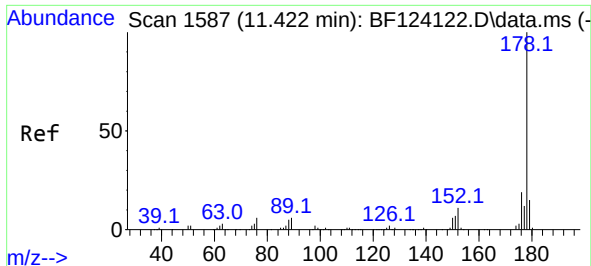


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29



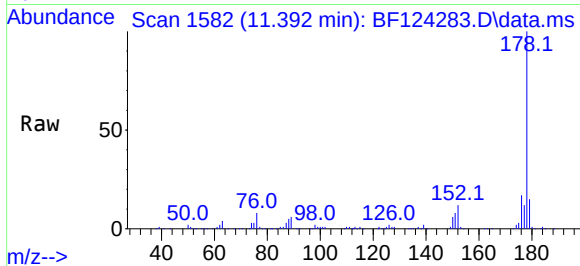
Tgt Ion:188 Resp: 123127
Ion Ratio Lower Upper
188 100
94 8.3 6.9 10.3
80 8.7 8.2 12.2





#71
Phenanthrene
Concen: 30.579 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

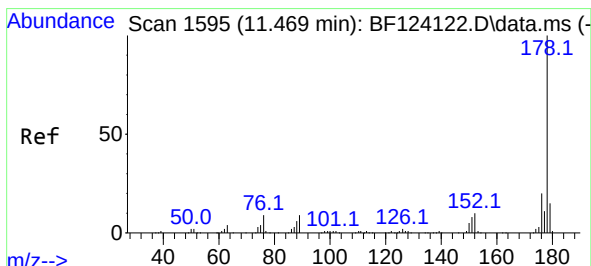
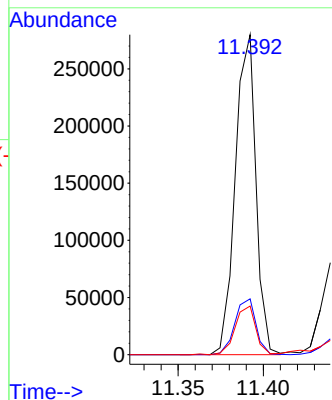
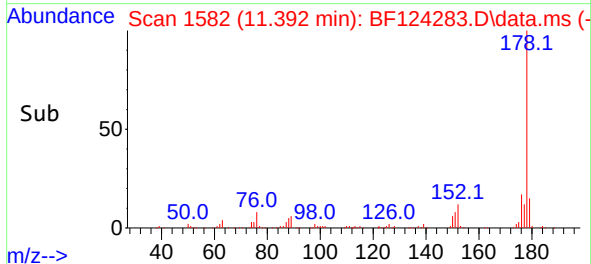
Instrument :
BNA_F
ClientSampleID :
OR-03-060921DL



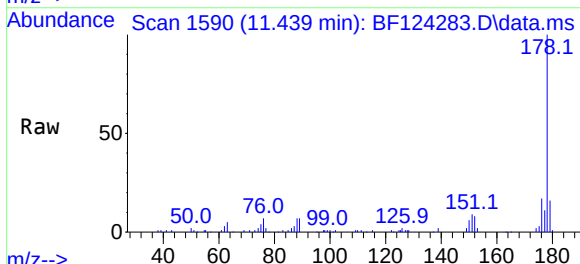
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Ion Ratio Lower Upper
178 100
176 17.5 15.6 23.4
179 15.2 12.5 18.7

Manual Integrations
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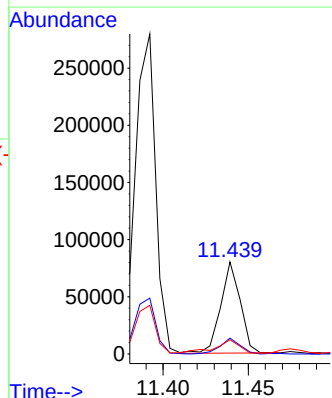
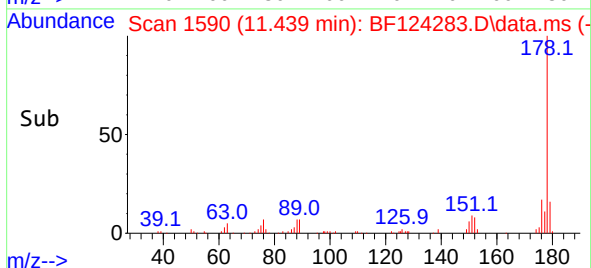
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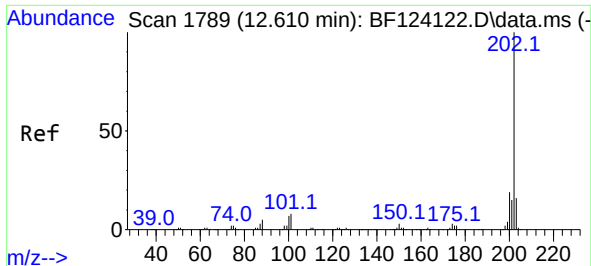


#72
Anthracene
Concen: 8.253 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.017 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29



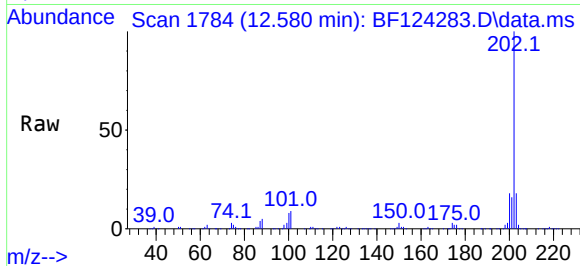
Tgt Ion:178 Resp: 63929
Ion Ratio Lower Upper
178 100
176 17.3 15.4 23.0
179 15.6 12.6 18.8





#75
Fluoranthene
Concen: 29.621 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.012 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

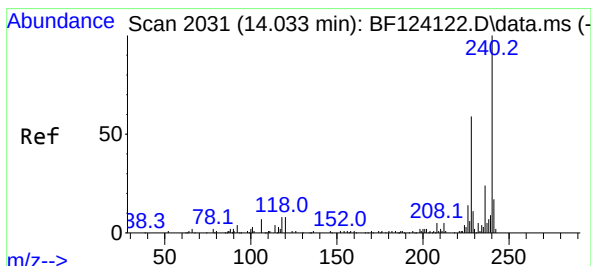
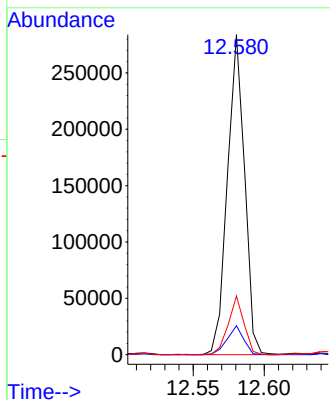
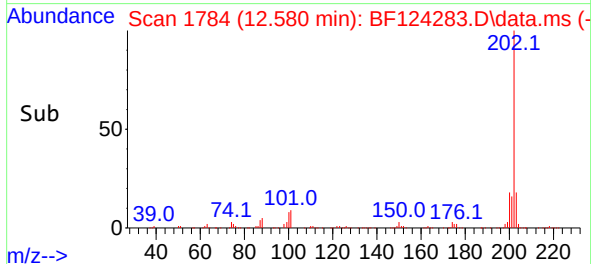
Instrument :
BNA_F
ClientSampleId :
OR-03-060921DL



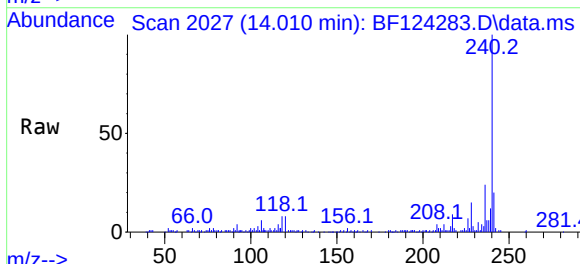
Tgt Ion:202 Resp: 239152
Ion Ratio Lower Upper
202 100
101 9.0 0.0 30.9
203 18.4 0.0 37.5

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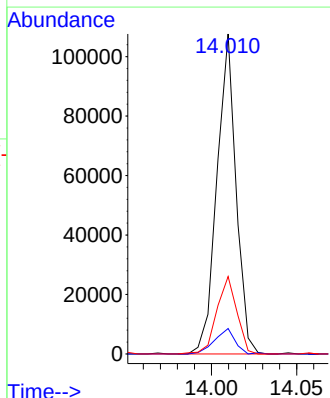
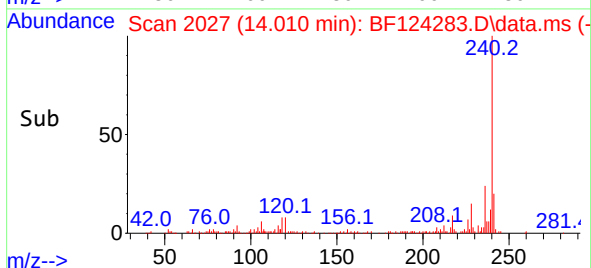
mohammad
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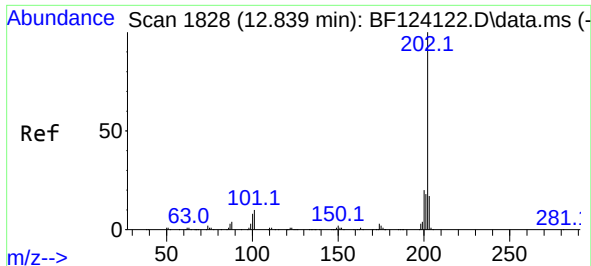


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.012 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29



Tgt Ion:240 Resp: 84094
Ion Ratio Lower Upper
240 100
120 7.9 7.2 10.8
236 24.2 19.0 28.4





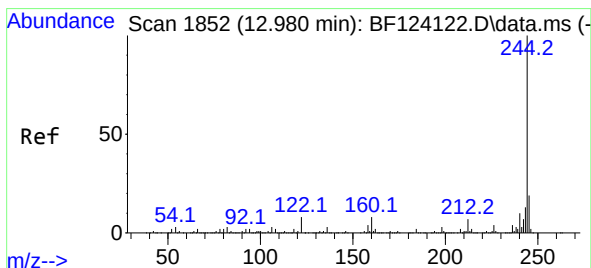
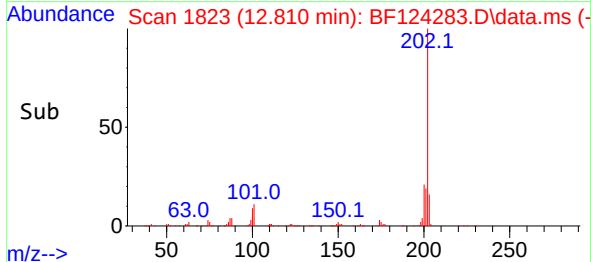
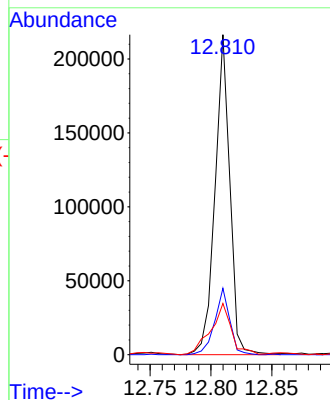
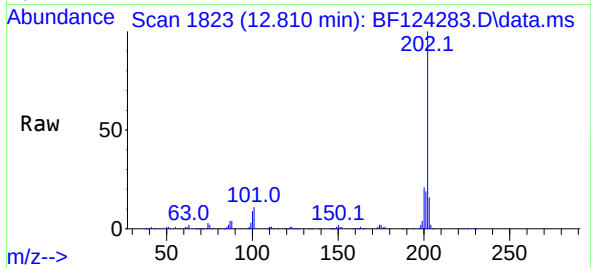
#78
Pyrene
Concen: 22.757 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.012 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

Tgt Ion:	202	Resp:	183765
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.1	24.1
203	16.0	14.8	22.2

Instrument :
BNA_F
ClientSampleId :
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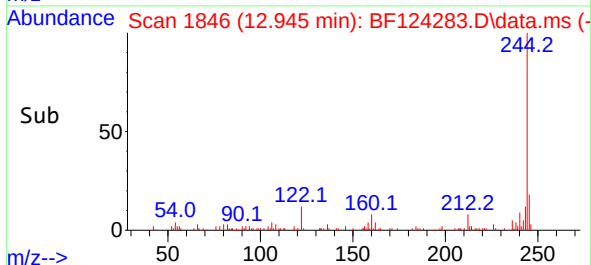
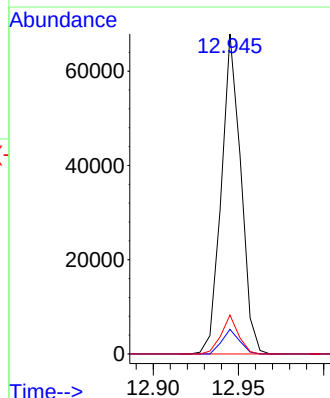
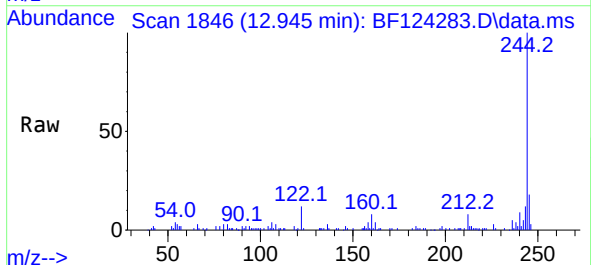
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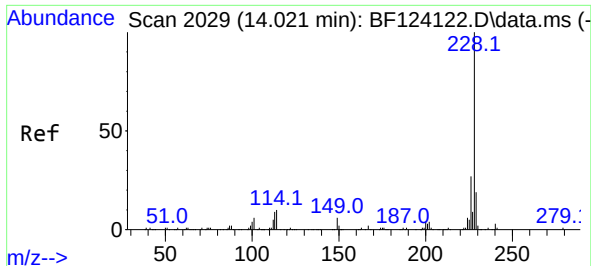
mohammad
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#79
Terphenyl-d14
Concen: 8.823 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.017 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

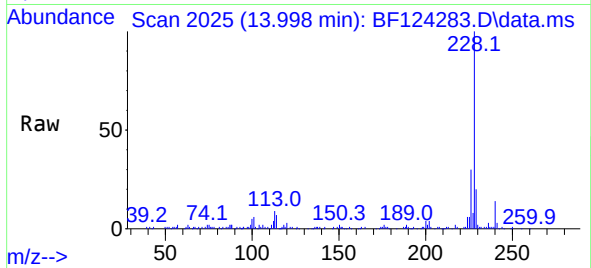
Tgt Ion:	244	Resp:	54041
Ion Ratio	Lower	Upper	
244	100		
212	7.7	5.7	8.5
122	12.1	9.7	14.5





#81
Benzo(a)anthracene
Concen: 14.399 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

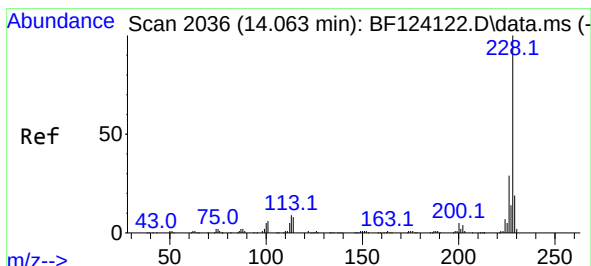
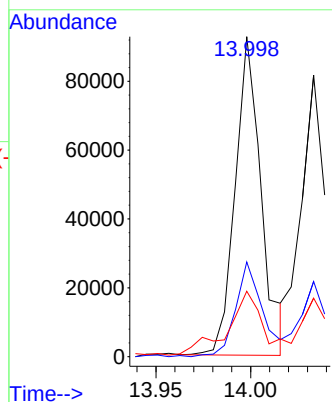
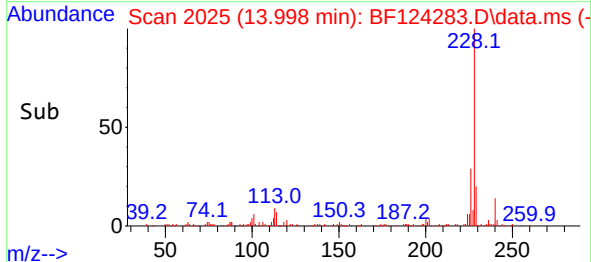
Instrument :
BNA_F
ClientSampleID :
OR-03-060921DL



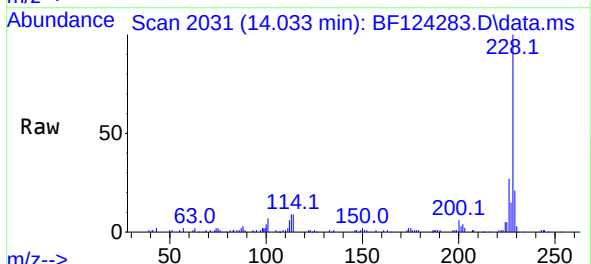
Tgt Ion:228 Resp: 88212
Ion Ratio Lower Upper
228 100
226 29.6 22.4 33.6
229 20.5 16.0 24.0

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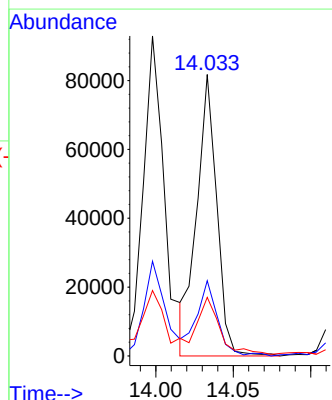
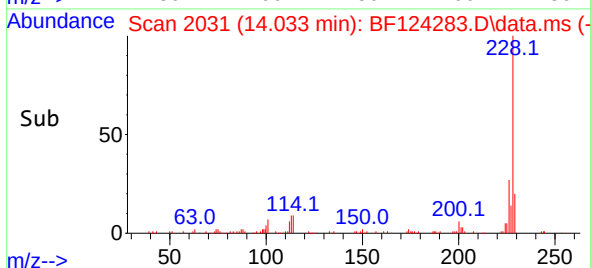
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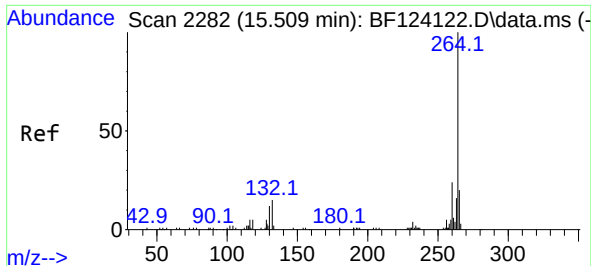


#83
Chrysene
Concen: 12.436 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

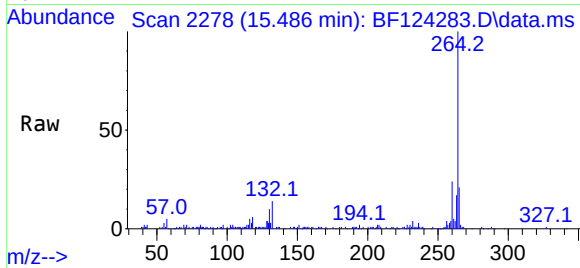


Tgt Ion:228 Resp: 73507
Ion Ratio Lower Upper
228 100
226 26.7 24.3 36.5
229 20.8 16.2 24.2

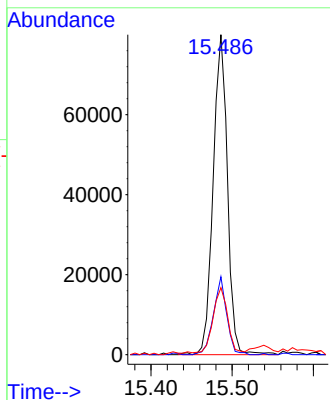
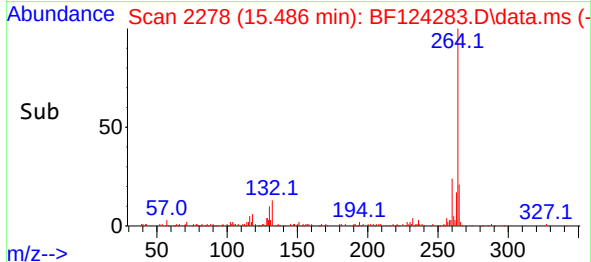




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29



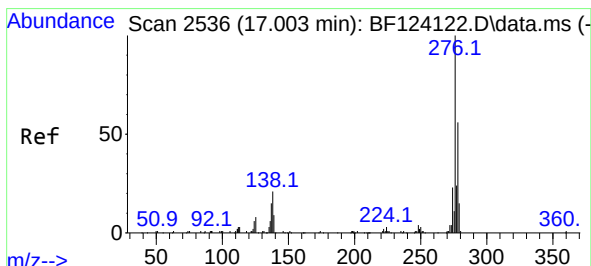
Tgt Ion:264 Resp: 97725
Ion Ratio Lower Upper
264 100
260 24.3 18.7 28.1
265 20.9 17.8 26.8



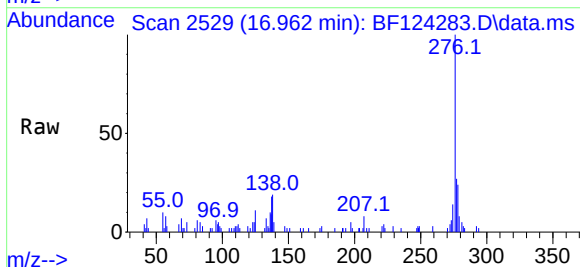
Instrument :
BNA_F
ClientSampleId :
OR-03-060921DL

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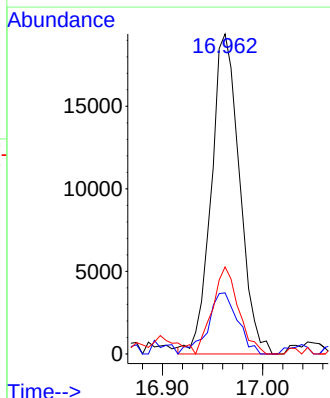
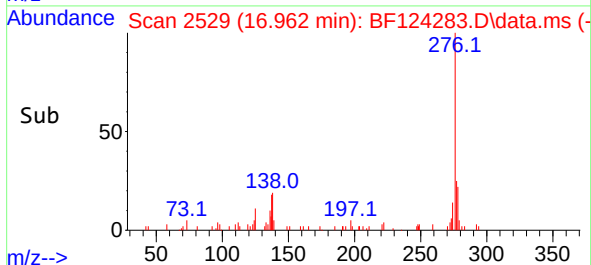
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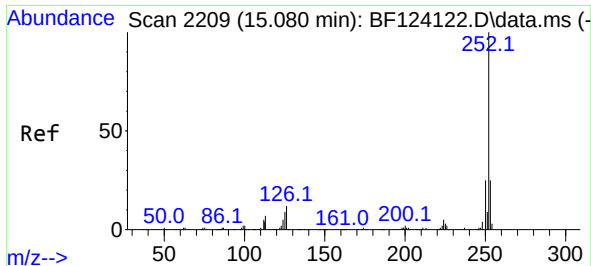


#87
Indeno(1,2,3-cd)pyrene
Concen: 8.579 ng
RT: 16.962 min Scan# 2529
Delta R.T. -0.017 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29



Tgt Ion:276 Resp: 37948
Ion Ratio Lower Upper
276 100
138 20.1 16.2 24.2
277 24.9 20.1 30.1





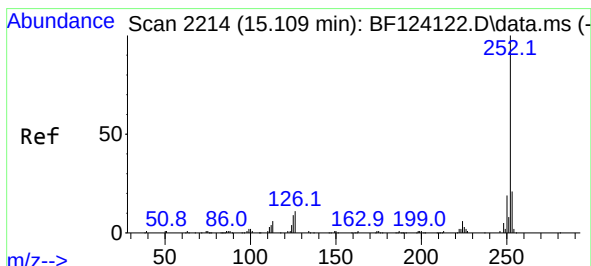
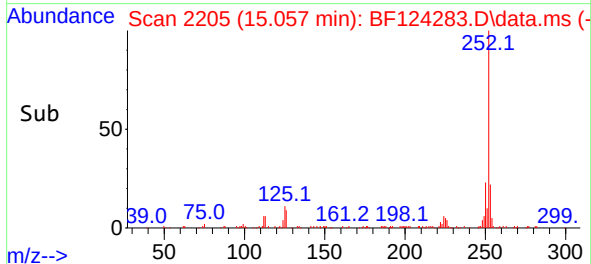
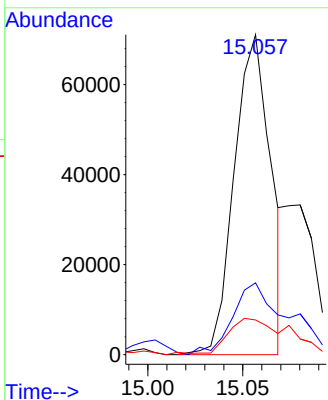
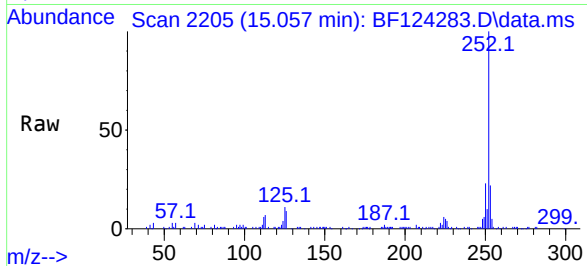
#88
Benzo(b)fluoranthene
Concen: 12.527 ng m
RT: 15.057 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

Tgt Ion:252 Resp: 95098
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 10.9 6.2 9.4#

Instrument :
BNA_F
ClientSampleId :
OR-03-060921DL

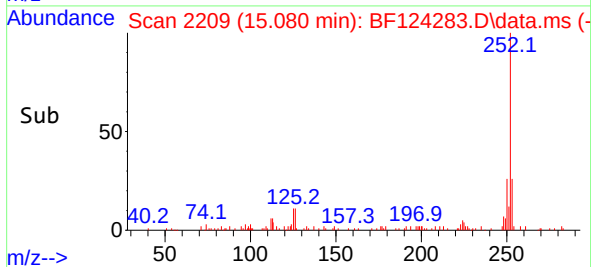
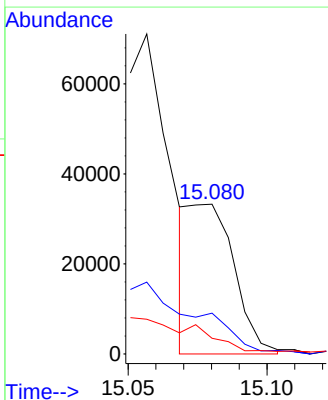
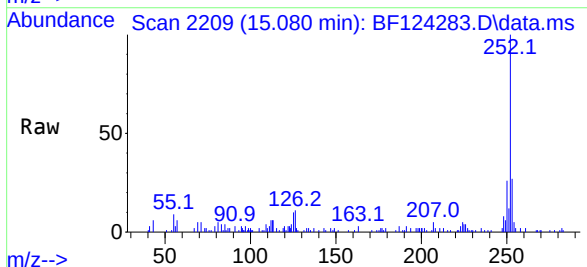
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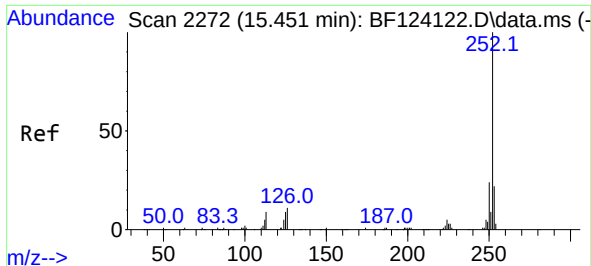
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#89
Benzo(k)fluoranthene
Concen: 5.151 ng m
RT: 15.080 min Scan# 2209
Delta R.T. -0.012 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

Tgt Ion:252 Resp: 37021
Ion Ratio Lower Upper
252 100
253 27.2 17.9 26.9#
125 10.4 7.0 10.6





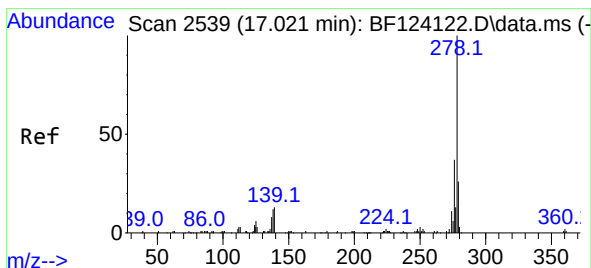
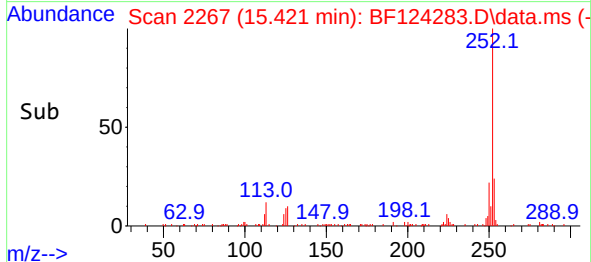
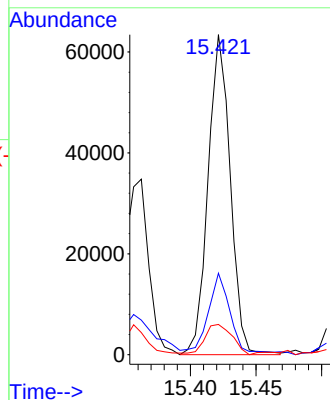
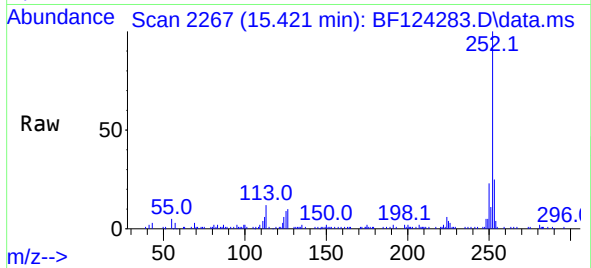
#90
Benzo(a)pyrene
Concen: 11.345 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

Tgt Ion:	252	Resp:	74807
Ion Ratio	Lower	Upper	
252	100		
253	25.5	18.4	27.6
125	9.4	8.0	12.0

Instrument :
BNA_F
ClientSampleId :
OR-03-060921DL

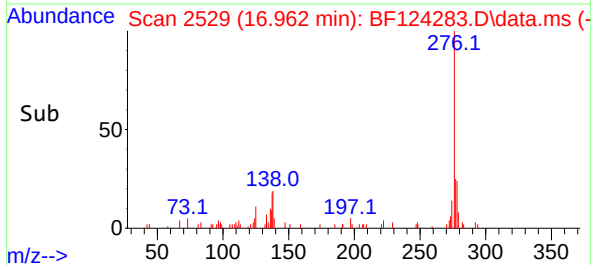
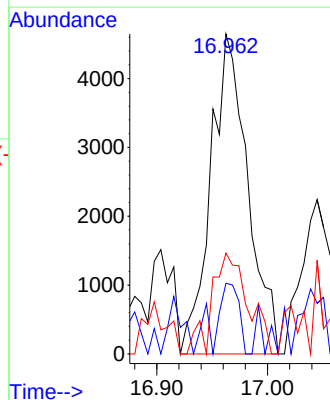
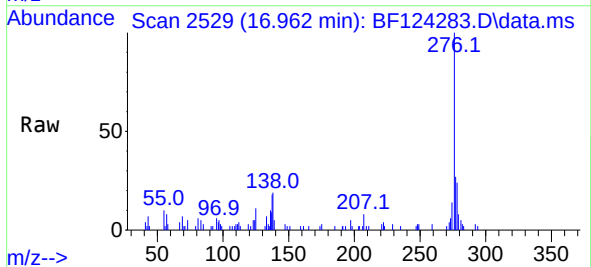
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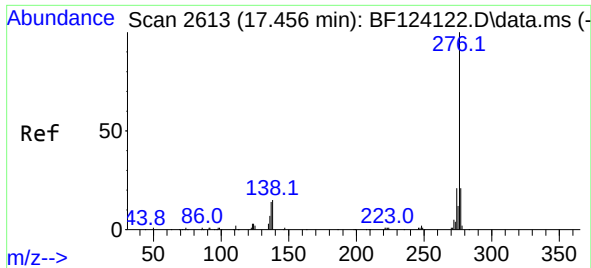
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#91
Dibenzo(a,h)anthracene
Concen: 5.598 ng m
RT: 16.962 min Scan# 2529
Delta R.T. -0.029 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

Tgt Ion:	278	Resp:	10821
Ion Ratio	Lower	Upper	
278	100		
139	22.1	10.2	15.2#
279	31.5	19.4	29.0#





#92
Benzo(g,h,i)perylene
Concen: 7.592 ng
RT: 17.404 min Scan# 2604
Delta R.T. -0.029 min
Lab File: BF124283.D
Acq: 12 Jun 2021 13:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.8	18.2	27.2#
138	17.0	13.8	20.6

Instrument :
BNA_F
ClientSampleId :
OR-03-060921DL

Manual Integrations
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