

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072021\
 Data File : BF124655.D
 Acq On : 21 Jul 2021 6:24
 Operator : JU/CG
 Sample : M3072-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-071621

Manual Integrations
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 7/21/2021 11:42:44 AM

Quant Time: Jul 21 06:55:49 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 20 13:36:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	6018	20.000	ng	-0.01
21) Naphthalene-d8	8.186	136	21034	20.000	ng	#-0.02
39) Acenaphthene-d10	9.945	164	9455	20.000	ng	-0.01
64) Phenanthrene-d10	11.433	188	16237	20.000	ng	-0.01
76) Chrysene-d12	14.074	240	10606	20.000	ng	-0.01
86) Perylene-d12	15.562	264	7813	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	6232	17.942	ng	-0.02
7) Phenol-d6	6.516	99	6905	16.341	ng	-0.03
23) Nitrobenzene-d5	7.463	82	4001	12.008	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	1272	17.288	ng	-0.02
45) 2-Fluorobiphenyl	9.263	172	8257	12.735	ng	-0.02
79) Terphenyl-d14	13.015	244	7999	12.665	ng	-0.02
Target Compounds						
						Qvalue
52) Acenaphthene	9.974	154	2868	5.105	ng	96
55) Dibenzofuran	10.145	168	2211	2.677	ng	# 96
58) Fluorene	10.492	166	4163	6.516	ng	96
71) Phenanthrene	11.457	178	31680	35.763	ng	97
72) Anthracene	11.510	178	7654	8.613	ng	96
73) Carbazole	11.663	167	1668	2.031	ng	96
75) Fluoranthene	12.651	202	31392	35.124	ng	99
78) Pyrene	12.880	202	32146	36.481	ng	99
81) Benzo(a)anthracene	14.062	228	10920	15.525	ng	98
83) Chrysene	14.098	228	8859m	13.147	ng	
87) Indeno(1,2,3-cd)pyrene	17.062	276	2366	5.222	ng	# 63
88) Benzo(b)fluoranthene	15.127	252	7848m	13.994	ng	
89) Benzo(k)fluoranthene	15.151	252	1980m	3.848	ng	
90) Benzo(a)pyrene	15.498	252	5848	12.633	ng	# 96
92) Benzo(g,h,i)perylene	17.515	276	2265	6.015	ng	# 64

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

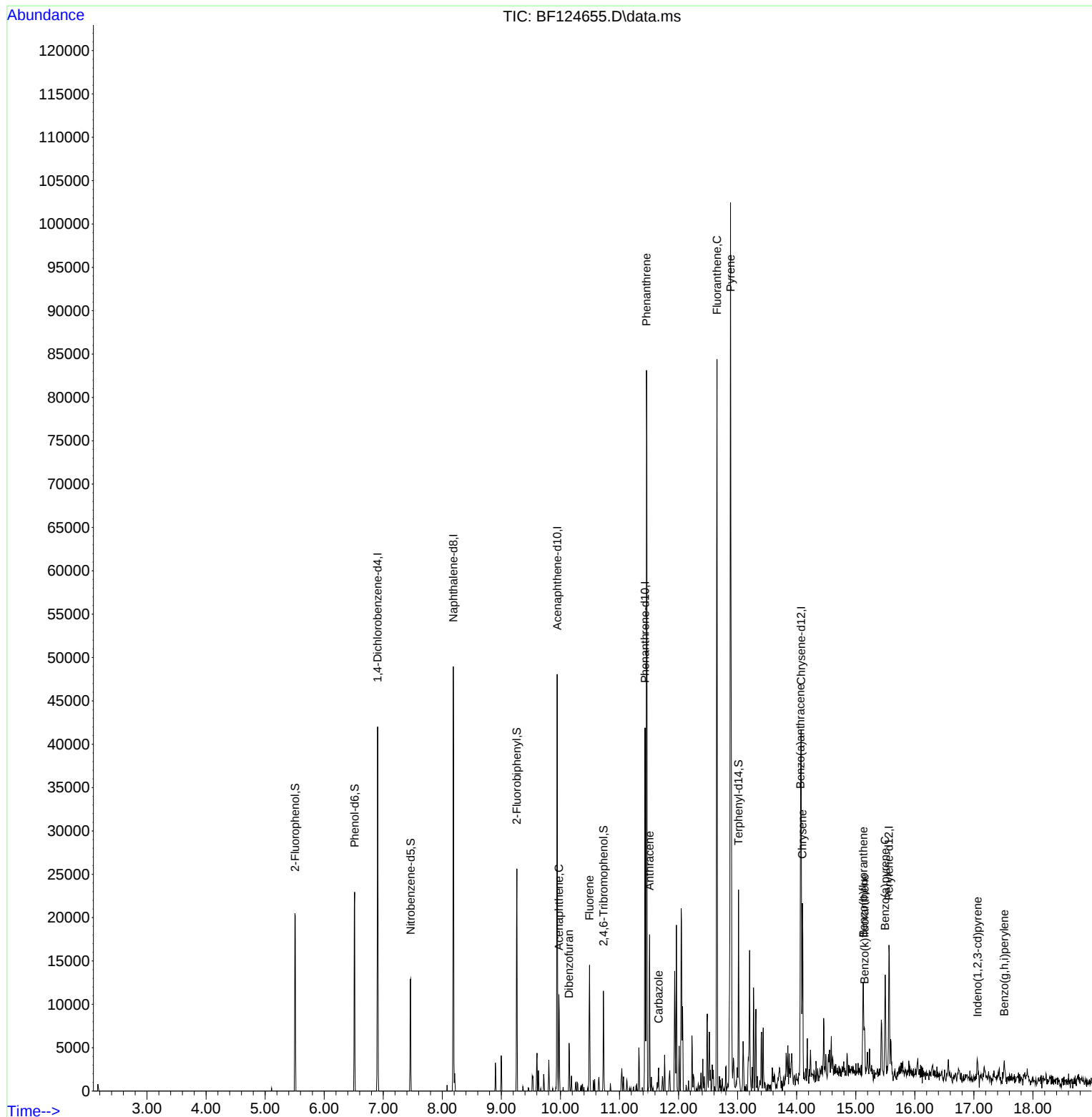
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072021\
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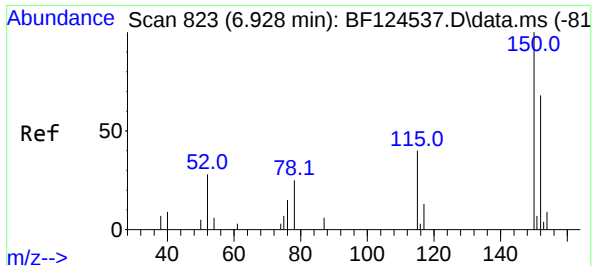
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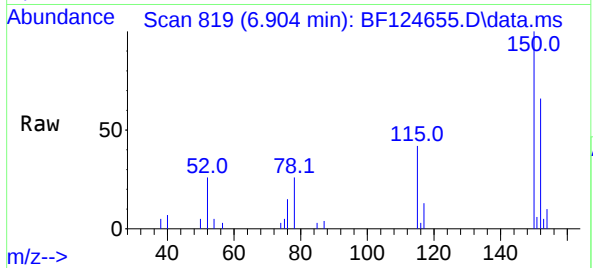
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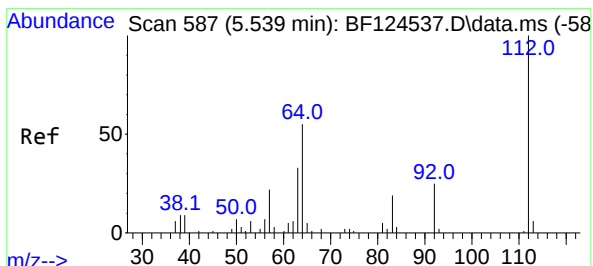
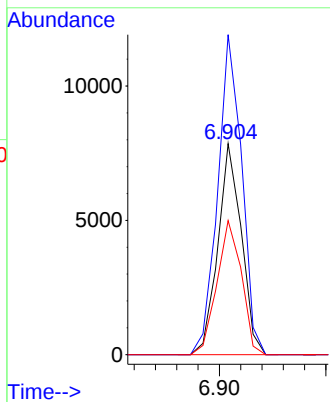
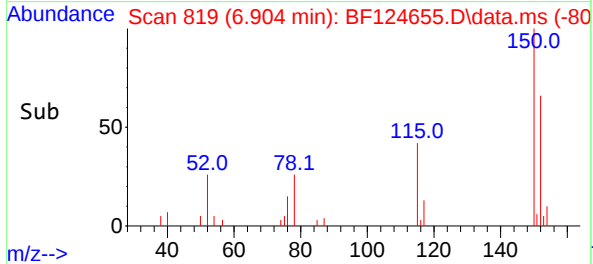




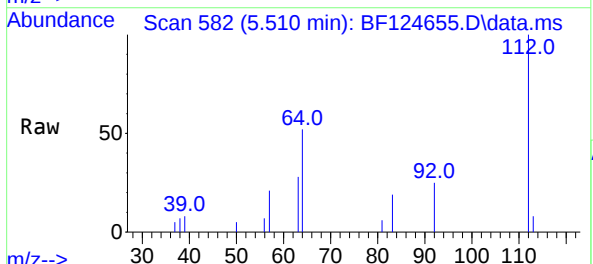
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.012 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24



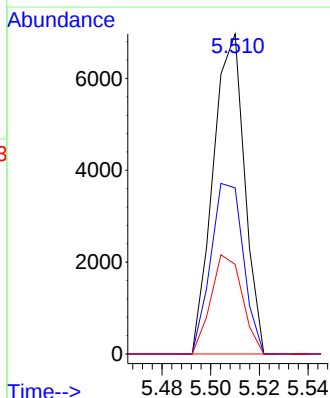
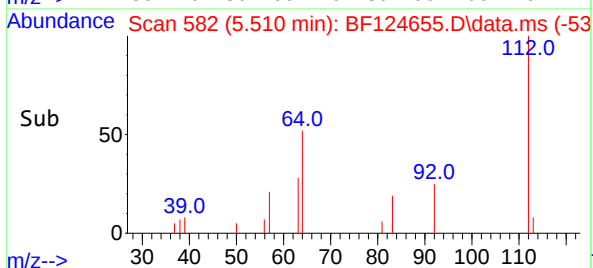
Tgt Ion:152 Resp: 6018
Ion Ratio Lower Upper
152 100
150 151.7 117.6 176.4
115 63.5 47.1 70.7



#5
2-Fluorophenol
Concen: 17.942 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.024 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24



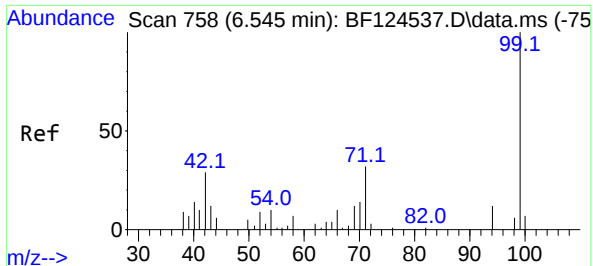
Tgt Ion:112 Resp: 6232
Ion Ratio Lower Upper
112 100
64 51.9 44.2 66.2
63 28.0 26.2 39.2



Instrument :
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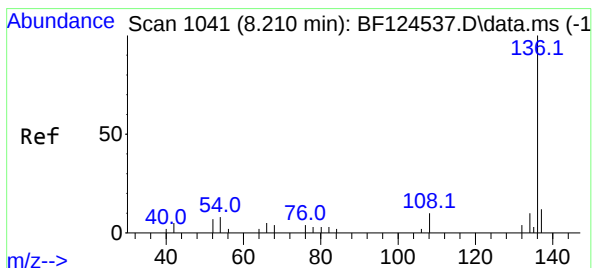
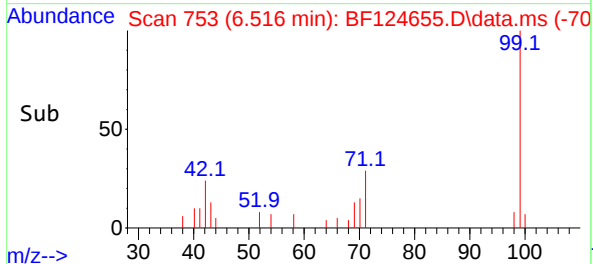
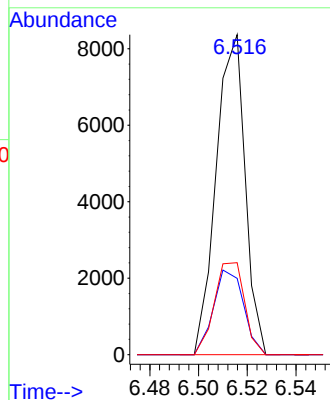
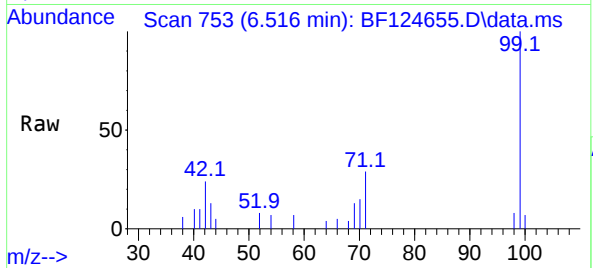
#7
Phenol-d6
Concen: 16.341 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.029 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

Tgt Ion:	99	Resp:	6905
Ion	Ratio	Lower	Upper
99	100		
42	23.9	23.5	35.3
71	28.7	25.6	38.4

Instrument :
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ClientSampleId :
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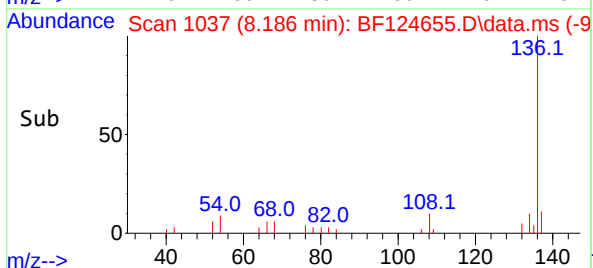
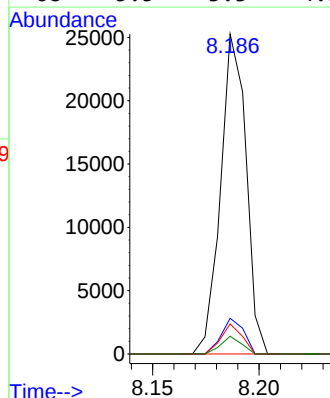
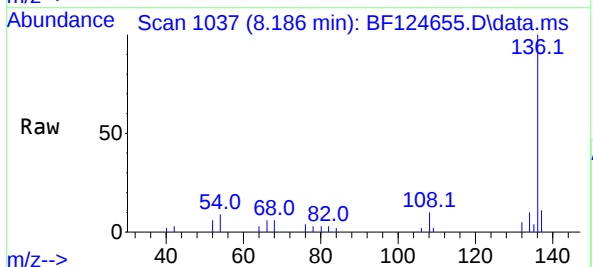
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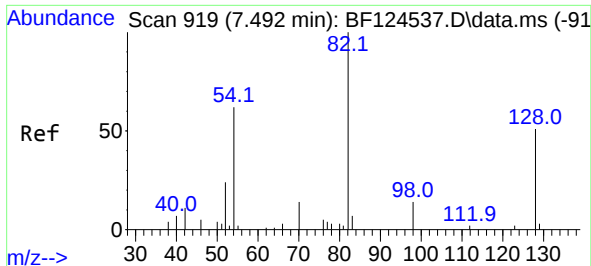
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1037
Delta R.T. -0.018 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

Tgt Ion:	136	Resp:	21034
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.8	14.6
54	9.4	6.4	9.6
68	5.5	3.3	4.9





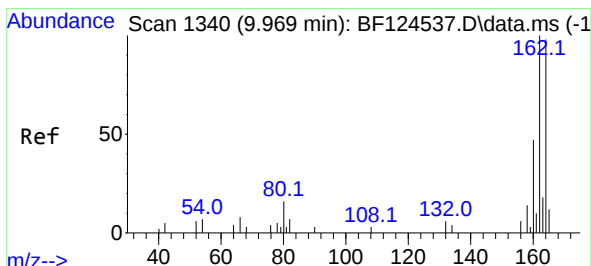
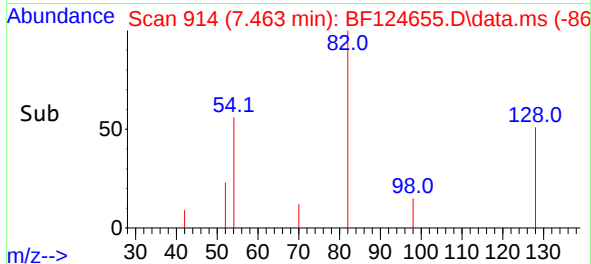
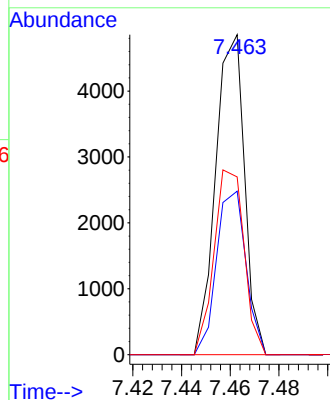
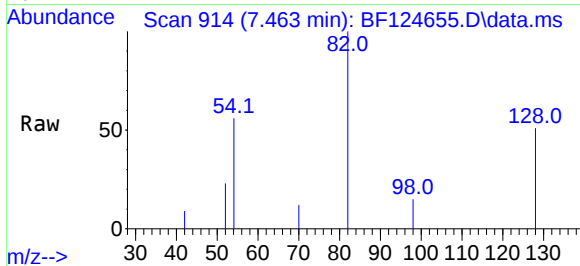
#23
Nitrobenzene-d5
Concen: 12.008 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.024 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

Tgt Ion: 82	Resp: 4001
Ion Ratio	Lower Upper
82 100	
128 51.1	40.6 60.8
54 55.5	49.6 74.4

Instrument :
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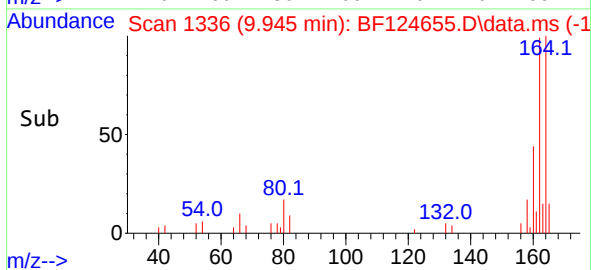
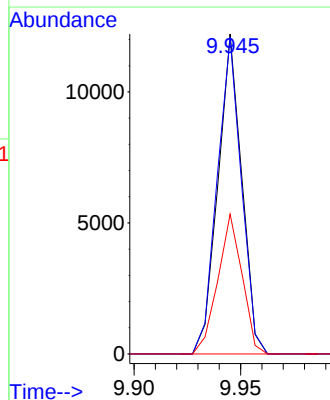
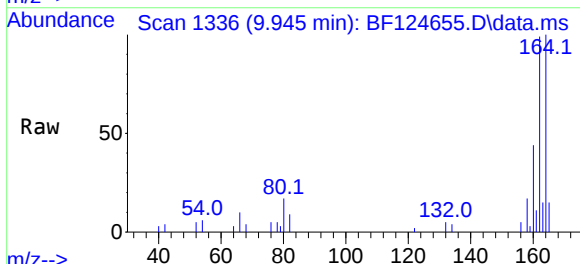
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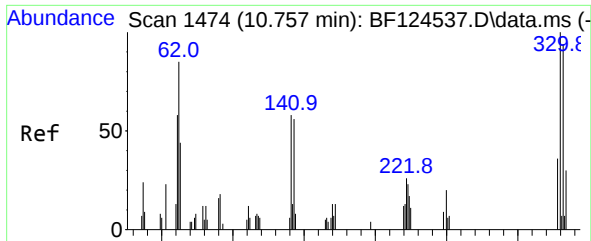
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

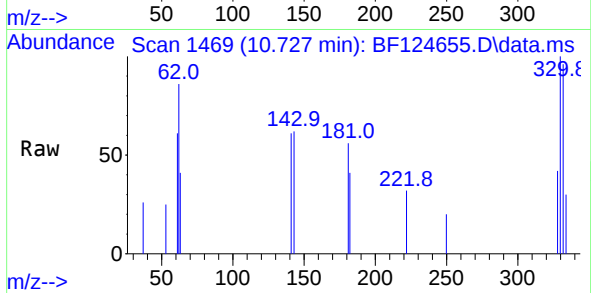
Tgt Ion: 164	Resp: 9455
Ion Ratio	Lower Upper
164 100	
162 99.0	81.3 121.9
160 43.7	38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 17.288 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.024 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

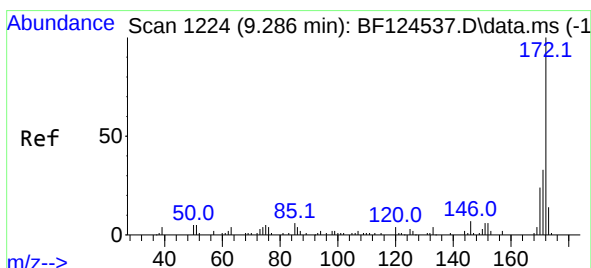
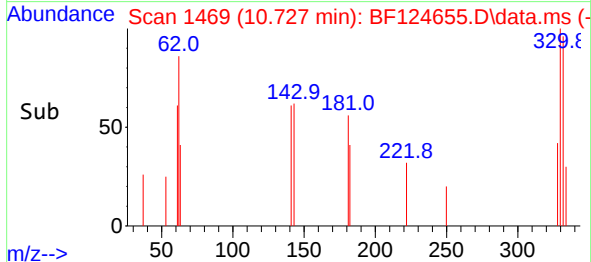
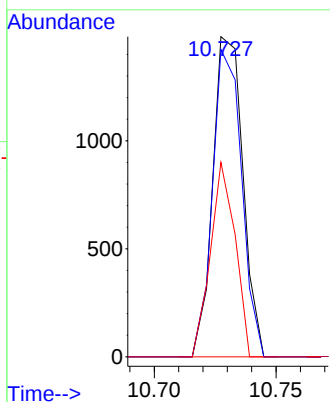
Instrument :
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ClientSampleID :
OR-02-071621



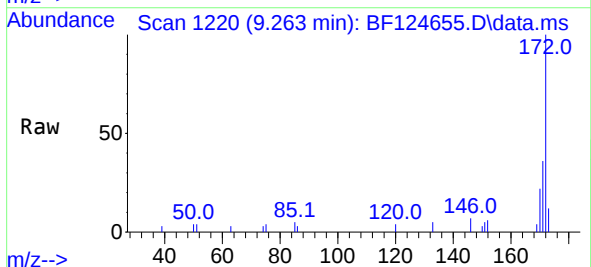
Tgt Ion: 330 Resp: 1272
Ion Ratio Lower Upper
330 100
332 93.0 76.2 114.4
141 49.8 44.6 66.8

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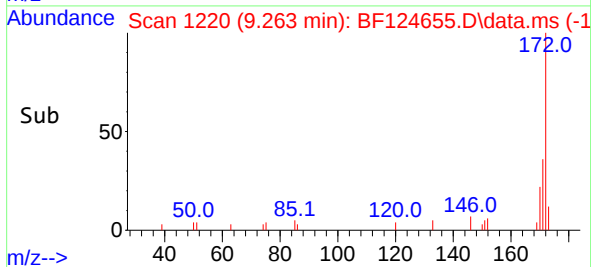
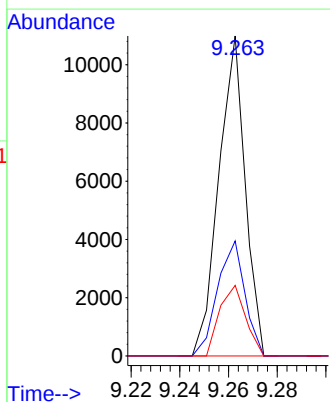
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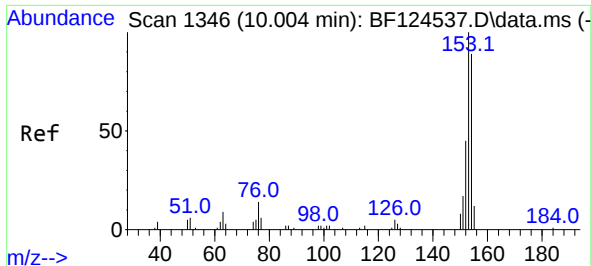


#45
2-Fluorobiphenyl
Concen: 12.735 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.018 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24



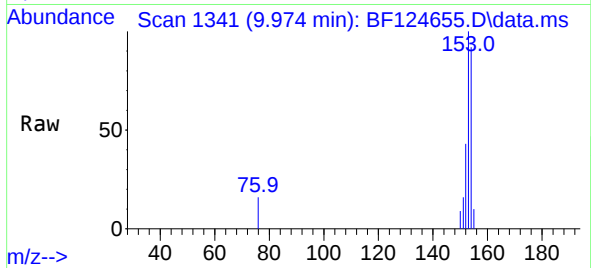
Tgt Ion: 172 Resp: 8257
Ion Ratio Lower Upper
172 100
171 35.9 26.5 39.7
170 22.1 18.8 28.2





#52
Acenaphthene
Concen: 5.105 ng
RT: 9.974 min Scan# 1341
Delta R.T. -0.024 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

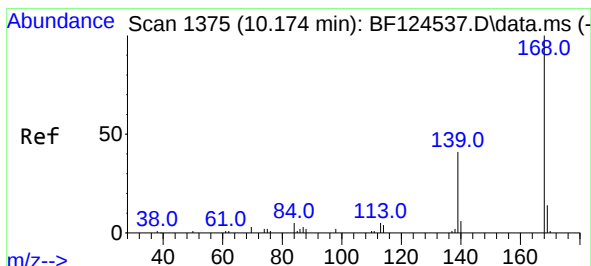
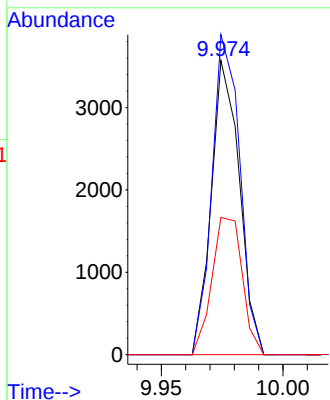
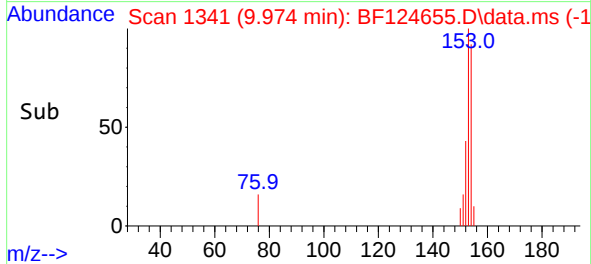
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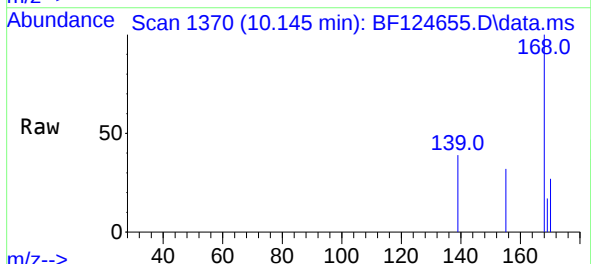
Tgt Ion:154 Resp: 2868
Ion Ratio Lower Upper
154 100
153 108.8 89.4 134.2
152 46.7 40.5 60.7

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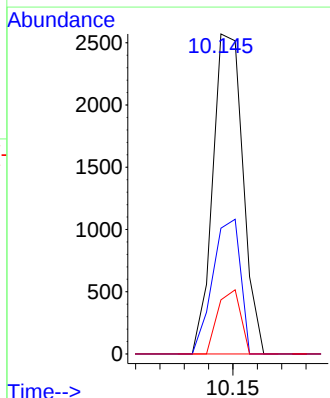
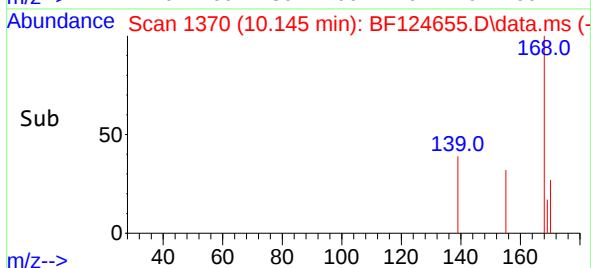
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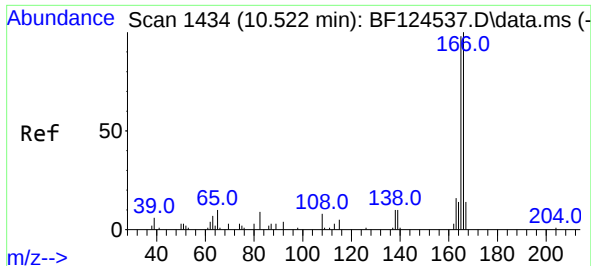


#55
Dibenzofuran
Concen: 2.677 ng
RT: 10.145 min Scan# 1370
Delta R.T. -0.024 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24



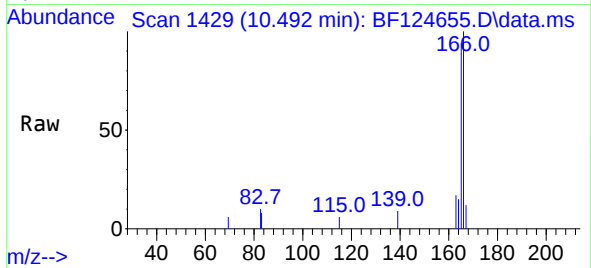
Tgt Ion:168 Resp: 2211
Ion Ratio Lower Upper
168 100
139 39.3 32.7 49.1
169 16.9 11.2 16.8#





#58
Fluorene
Concen: 6.516 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.018 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

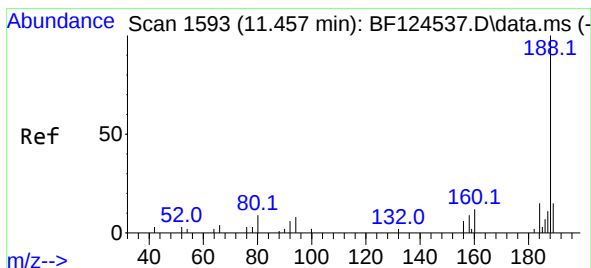
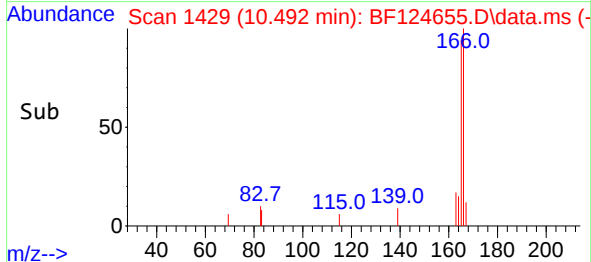
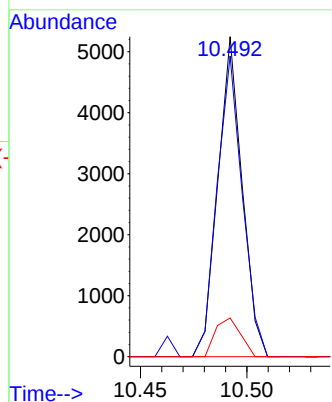
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Tgt Ion:166 Resp: 4163
Ion Ratio Lower Upper
166 100
165 94.0 78.1 117.1
167 12.1 11.1 16.7

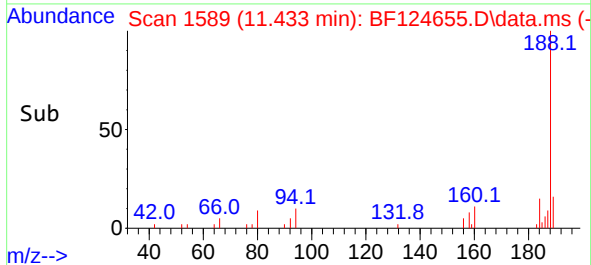
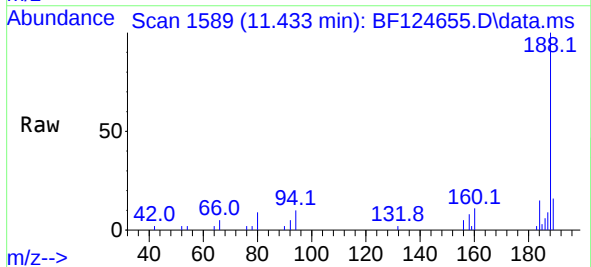
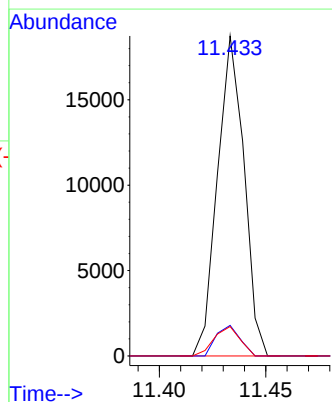
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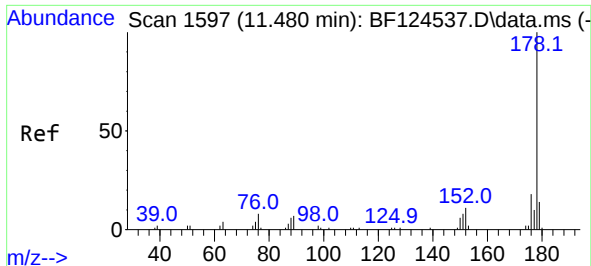
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

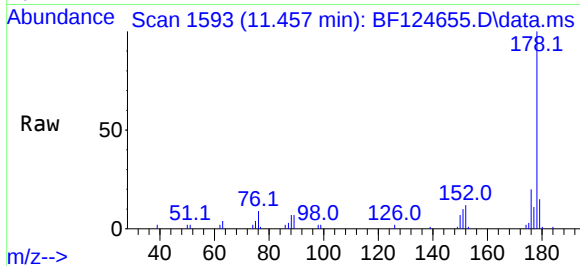
Tgt Ion:188 Resp: 16237
Ion Ratio Lower Upper
188 100
94 9.5 6.7 10.1
80 9.2 7.5 11.3





#71
Phenanthrene
Concen: 35.763 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.018 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

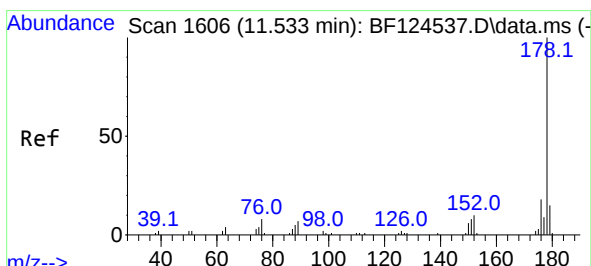
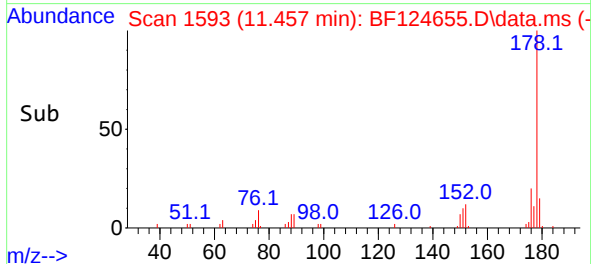
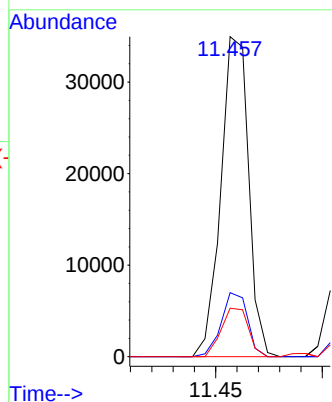
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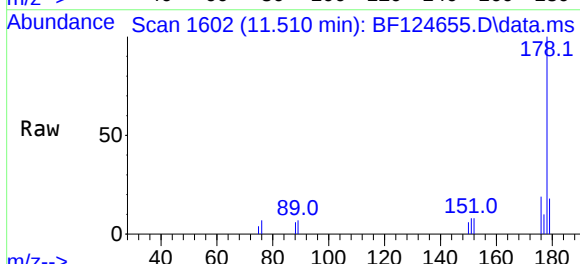
Tgt Ion:178 Resp: 31680
Ion Ratio Lower Upper
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176 20.0 14.7 22.1
179 15.2 11.5 17.3

Manual Integrations
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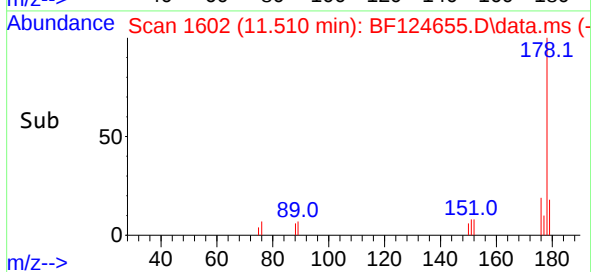
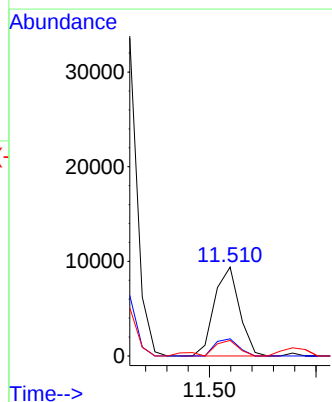
mohammad
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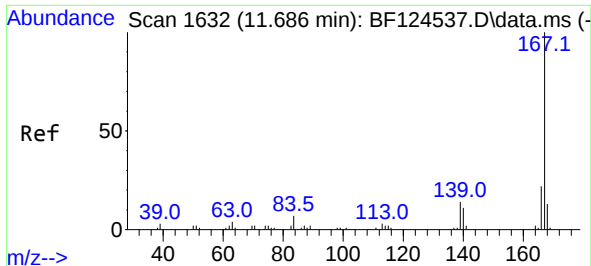


#72
Anthracene
Concen: 8.613 ng
RT: 11.510 min Scan# 1602
Delta R.T. -0.012 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24



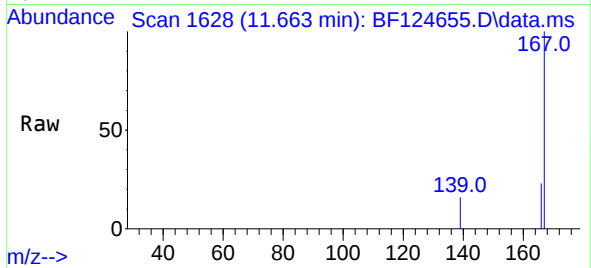
Tgt Ion:178 Resp: 7654
Ion Ratio Lower Upper
178 100
176 19.2 14.3 21.5
179 17.5 12.2 18.4





#73
 Carbazole
 Concen: 2.031 ng
 RT: 11.663 min Scan# 1628
 Delta R.T. -0.012 min
 Lab File: BF124655.D
 Acq: 21 Jul 2021 6:24

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-071621

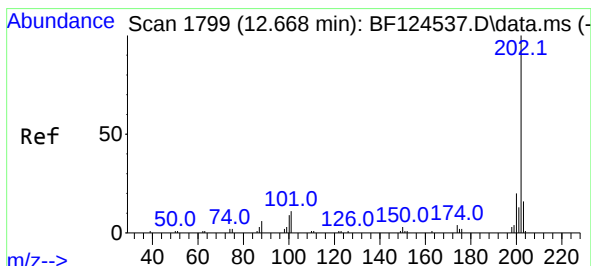
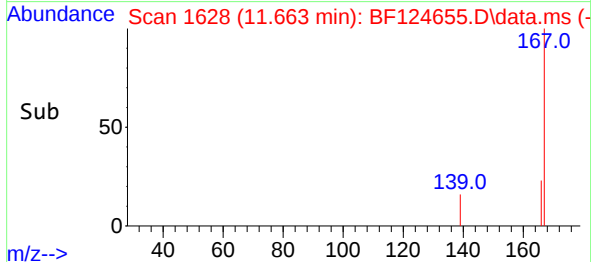
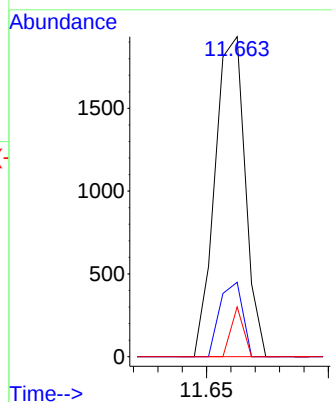


Tgt Ion:167 Resp: 1668

Ion	Ratio	Lower	Upper
167	100		
166	23.2	17.4	26.0
139	15.6	11.0	16.4

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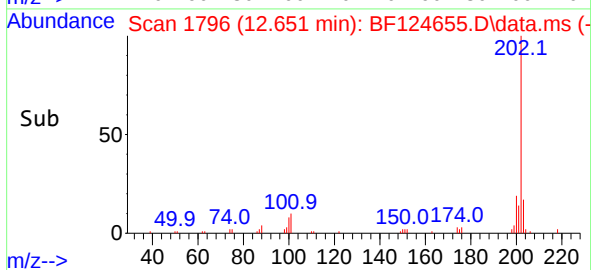
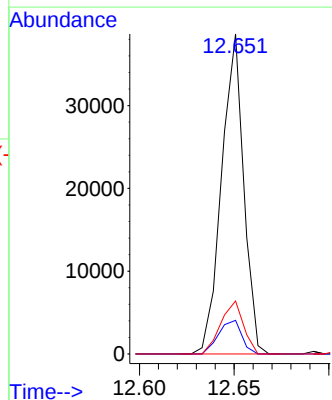
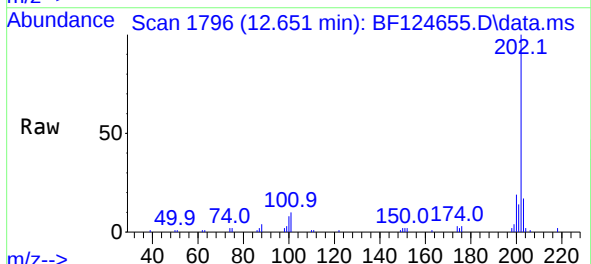
mohammad
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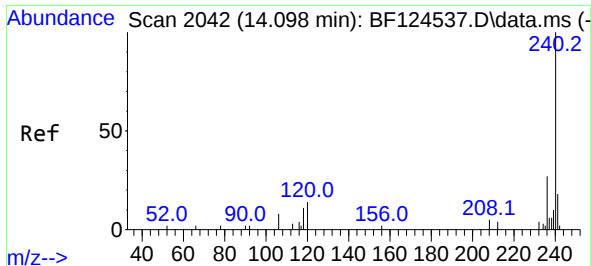


#75
 Fluoranthene
 Concen: 35.124 ng
 RT: 12.651 min Scan# 1796
 Delta R.T. -0.012 min
 Lab File: BF124655.D
 Acq: 21 Jul 2021 6:24

Tgt Ion:202 Resp: 31392

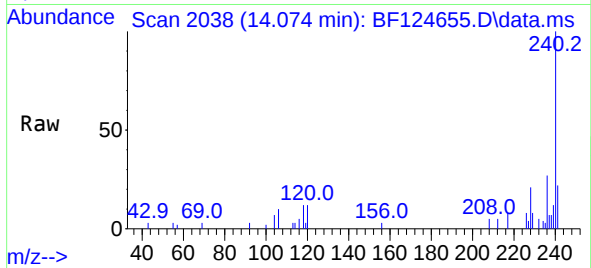
Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.7
203	16.5	0.0	36.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.012 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

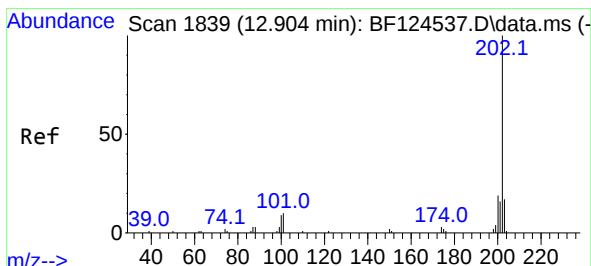
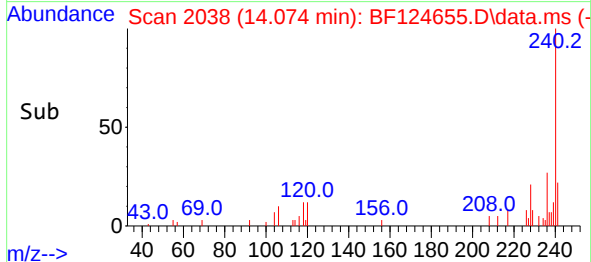
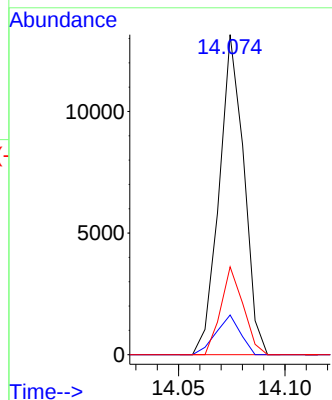
Instrument :
BNA_F
ClientSampleId :
OR-02-071621



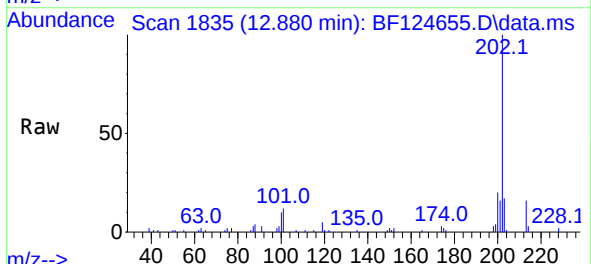
Tgt Ion:240 Resp: 10606
Ion Ratio Lower Upper
240 100
120 12.4 10.8 16.2
236 27.5 21.6 32.4

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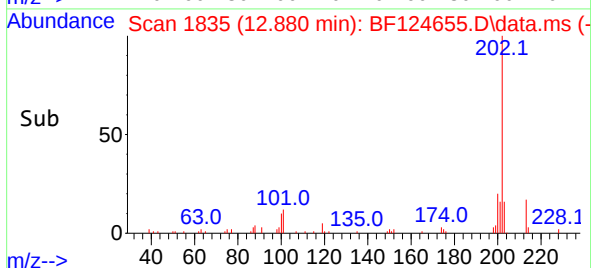
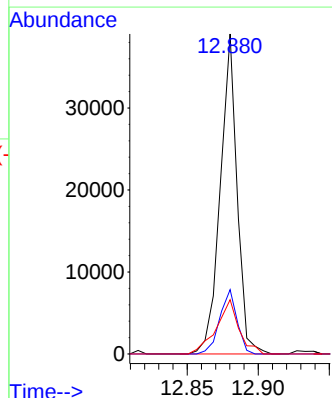
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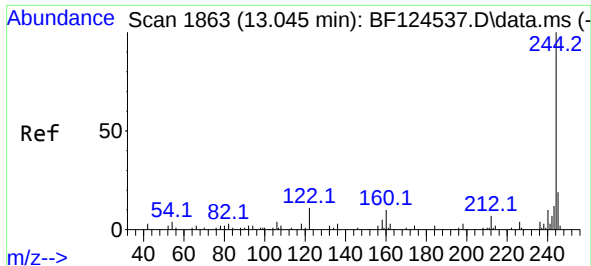


#78
Pyrene
Concen: 36.481 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24



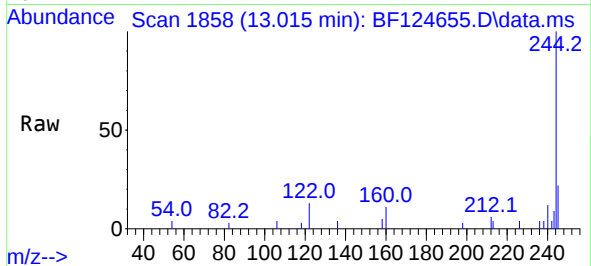
Tgt Ion:202 Resp: 32146
Ion Ratio Lower Upper
202 100
200 20.1 15.3 22.9
203 17.0 13.4 20.0





#79
Terphenyl-d14
Concen: 12.665 ng
RT: 13.015 min Scan# 1858
Delta R.T. -0.018 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

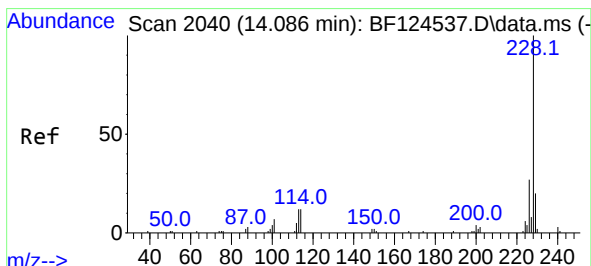
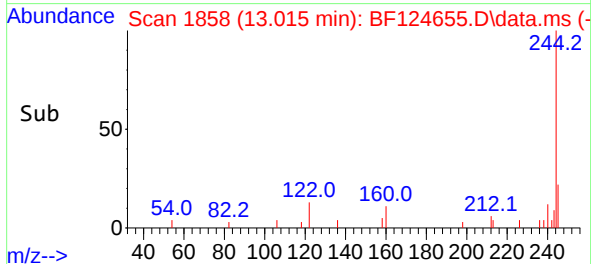
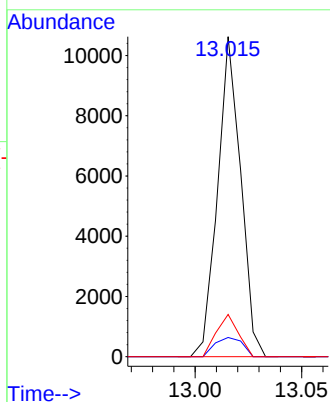
Instrument :
BNA_F
ClientSampleId :
OR-02-071621



Tgt Ion:244 Resp: 7999
Ion Ratio Lower Upper
244 100
212 6.0 5.9 8.9
122 13.2 9.0 13.4

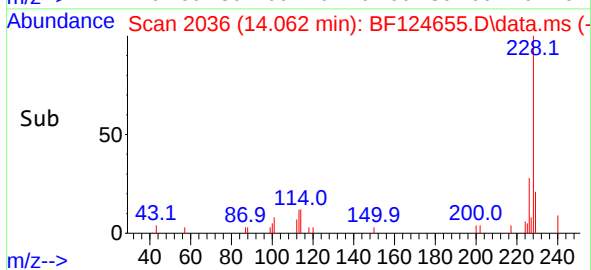
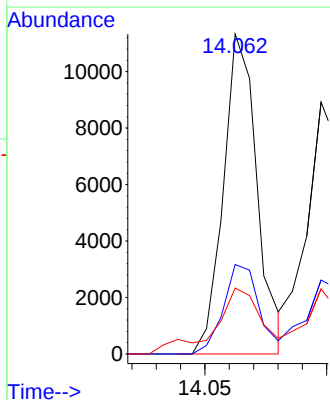
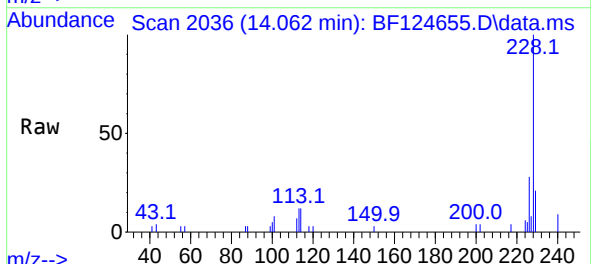
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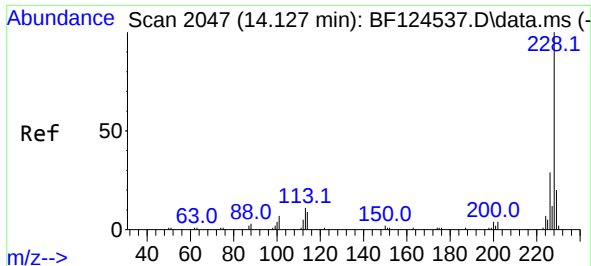
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#81
Benzo(a)anthracene
Concen: 15.525 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

Tgt Ion:228 Resp: 10920
Ion Ratio Lower Upper
228 100
226 27.9 21.6 32.4
229 20.6 15.6 23.4





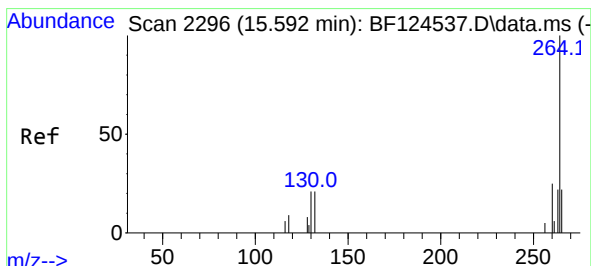
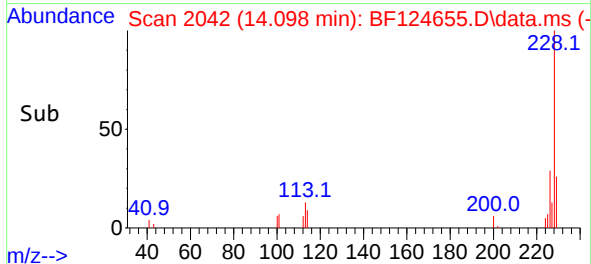
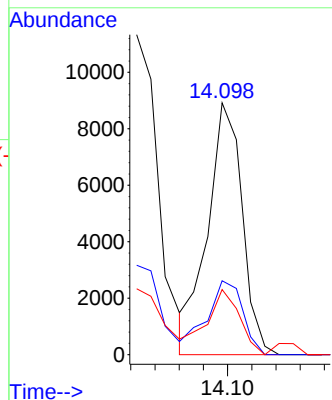
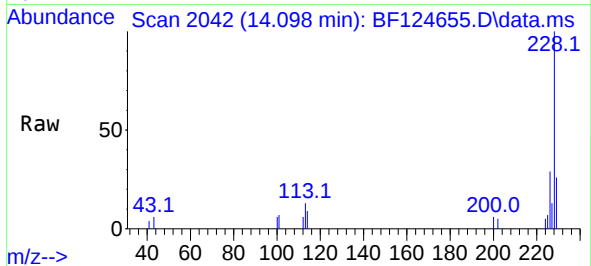
#83
Chrysene
Concen: 13.147 ng m
RT: 14.098 min Scan# 2042
Delta R.T. -0.018 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

Tgt Ion:228 Resp: 8859
Ion Ratio Lower Upper
228 100
226 29.4 22.6 34.0
229 25.9 15.9 23.9#

Instrument :
BNA_F
ClientSampleId :
OR-02-071621

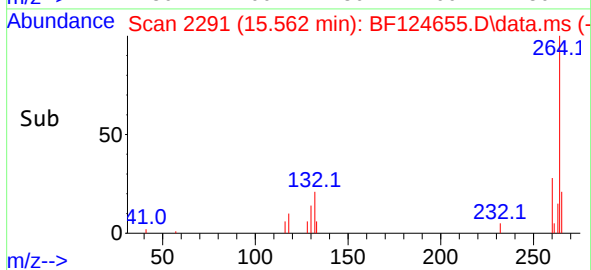
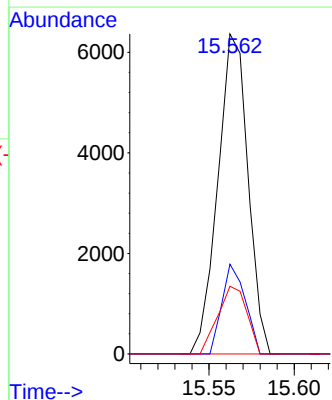
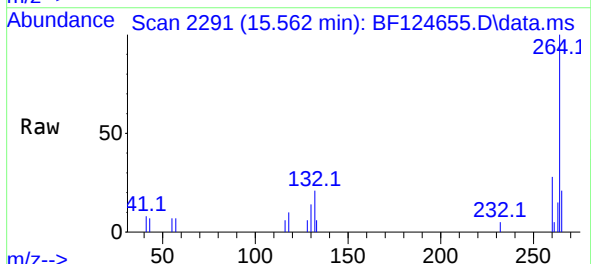
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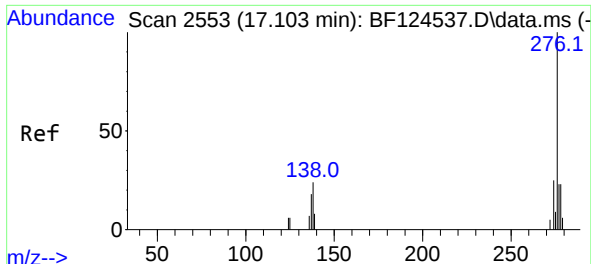
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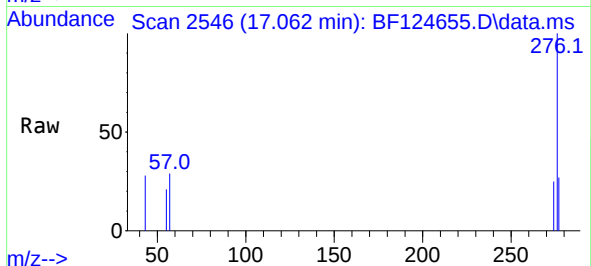
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2291
Delta R.T. -0.006 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

Tgt Ion:264 Resp: 7813
Ion Ratio Lower Upper
264 100
260 28.1 19.6 29.4
265 21.1 17.2 25.8

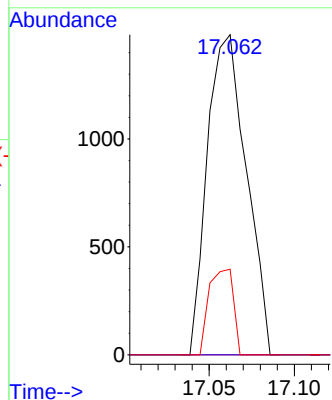




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.222 ng
RT: 17.062 min Scan# 2546
Delta R.T. -0.018 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24



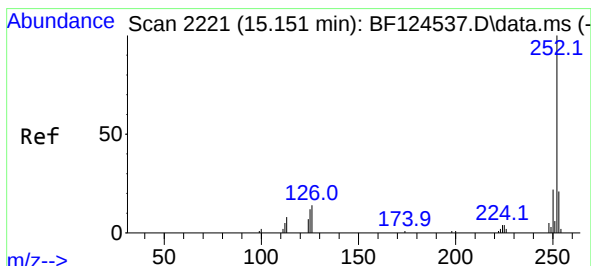
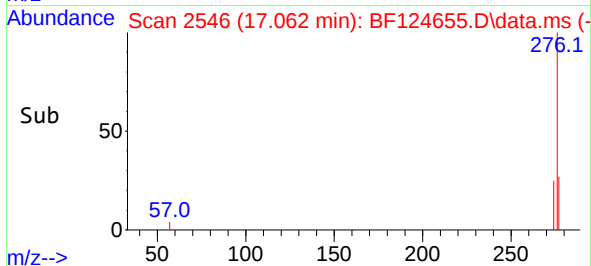
Tgt Ion:276 Resp: 2366
Ion Ratio Lower Upper
276 100
138 0.0 24.1 36.1#
277 16.6 18.8 28.2#



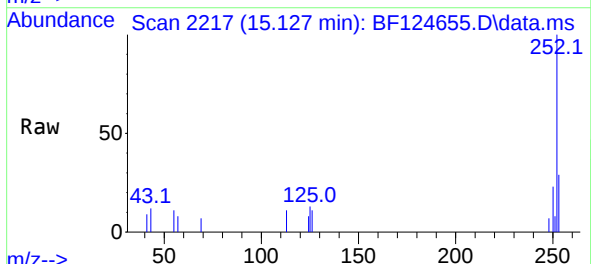
Instrument :
BNA_F
ClientSampleId :
OR-02-071621

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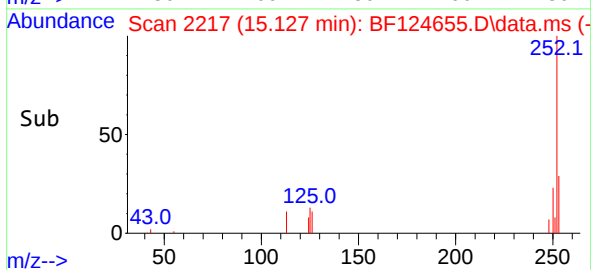
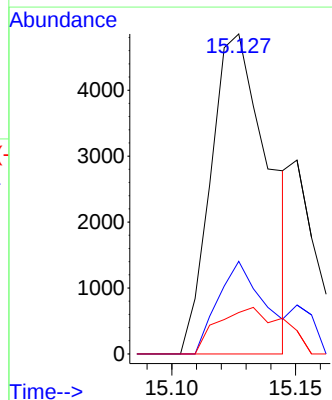
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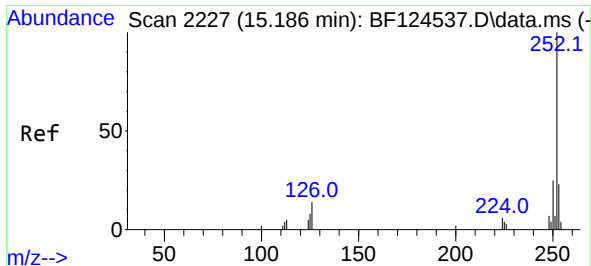


#88
Benzo(b)fluoranthene
Concen: 13.994 ng m
RT: 15.127 min Scan# 2217
Delta R.T. -0.006 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24



Tgt Ion:252 Resp: 7848
Ion Ratio Lower Upper
252 100
253 29.0 16.8 25.2#
125 13.0 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 3.848 ng m

RT: 15.151 min Scan# 2221

Delta R.T. -0.018 min

Lab File: BF124655.D

Acq: 21 Jul 2021 6:24

Tgt Ion:	252	Resp:	1980
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.8	26.8
125	12.0	7.2	10.8#

Instrument :

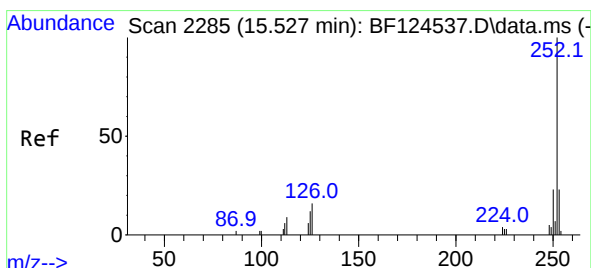
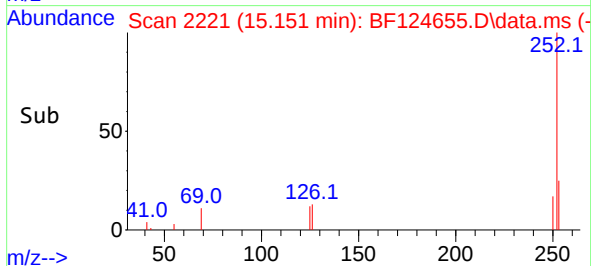
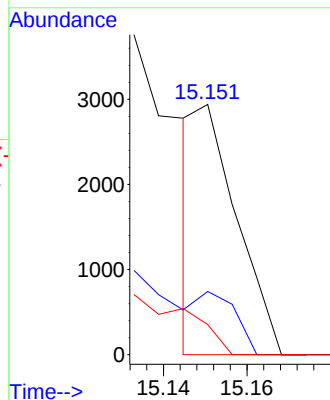
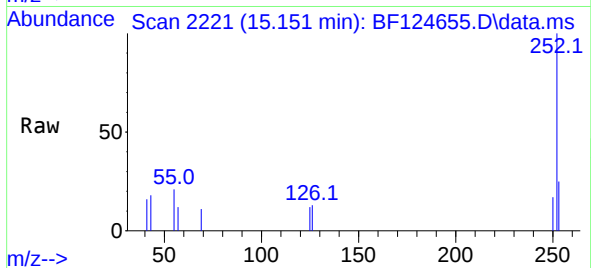
BNA_F

ClientSampleId :

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#90

Benzo(a)pyrene

Concen: 12.633 ng

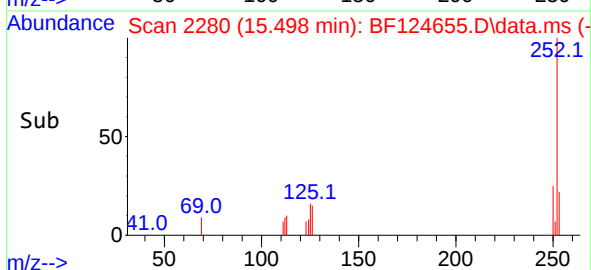
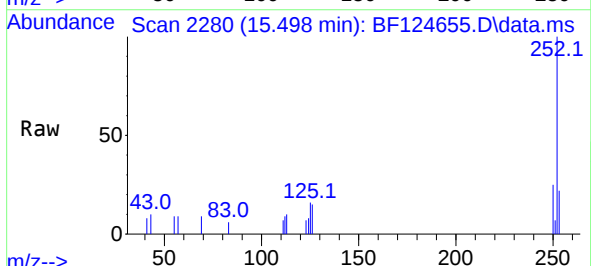
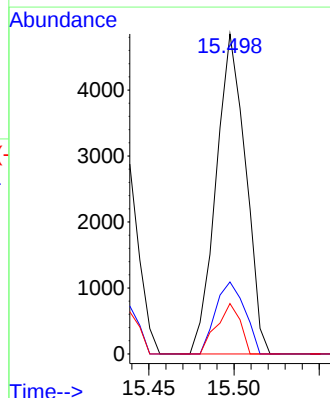
RT: 15.498 min Scan# 2280

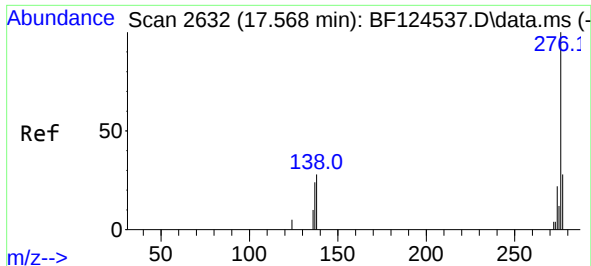
Delta R.T. -0.012 min

Lab File: BF124655.D

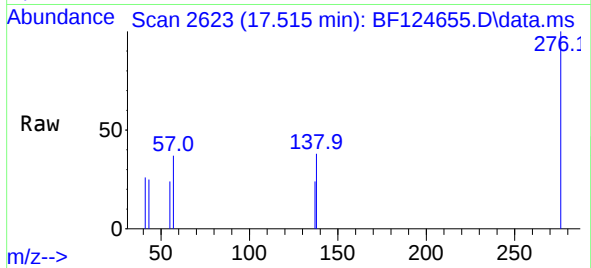
Acq: 21 Jul 2021 6:24

Tgt Ion:	252	Resp:	5848
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.4	27.6
125	15.8	9.9	14.9#

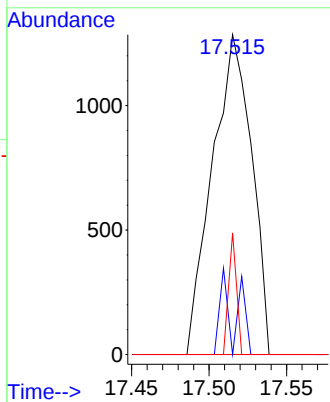
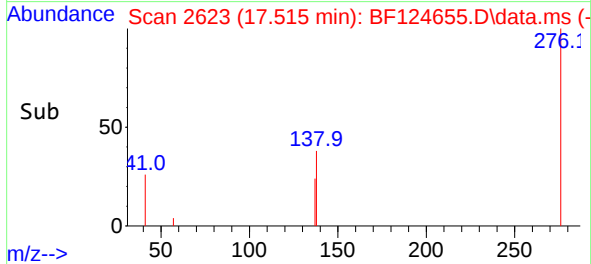




#92
Benzo(g,h,i)perylene
Concen: 6.015 ng
RT: 17.515 min Scan# 2623
Delta R.T. -0.029 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24



Tgt Ion: 276 Resp: 2265
Ion Ratio Lower Upper
276 100
277 0.0 22.0 33.0#
138 38.1 22.2 33.4#



Instrument :
BNA_F
ClientSampleId :
OR-02-071621

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