

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
 Data File : BF124884.D
 Acq On : 30 Jul 2021 19:31
 Operator : JU/CG
 Sample : M3234-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-072921

Manual Integrations
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Quant Time: Jul 31 00:07:36 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 22 15:28:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	6655	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	27060	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	15025	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	23213	20.000	ng	0.00
76) Chrysene-d12	14.051	240	13633	20.000	ng	# 0.01
86) Perylene-d12	15.527	264	11443	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	7004	17.820	ng	0.00
7) Phenol-d6	6.493	99	9077	18.421	ng	0.00
23) Nitrobenzene-d5	7.428	82	6188	13.610	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	2379	18.441	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	13507	13.204	ng	0.00
79) Terphenyl-d14	12.980	244	10450	13.139	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.175	128	5257	3.723	ng	97
37) 2-Methylnaphthalene	8.863	142	3120	3.307	ng	94
38) 1-Methylnaphthalene	8.963	142	2816	3.150	ng	99
49) Acenaphthylene	9.769	152	7436	5.431	ng	98
52) Acenaphthene	9.945	154	11444	12.609	ng	95
55) Dibenzofuran	10.116	168	17541	13.524	ng	98
58) Fluorene	10.463	166	25793	25.924	ng	97
71) Phenanthrene	11.439	178	206274	165.218	ng	98
72) Anthracene	11.480	178	57960	46.437	ng	98
73) Carbazole	11.627	167	9950	8.505	ng	# 96
75) Fluoranthene	12.633	202	195846	153.719	ng	97
78) Pyrene	12.857	202	153251	141.993	ng	97
81) Benzo(a)anthracene	14.039	228	73903	82.930	ng	99
83) Chrysene	14.074	228	56087	65.328	ng	97
87) Indeno(1,2,3-cd)pyrene	17.015	276	18932	28.657	ng	# 91
88) Benzo(b)fluoranthene	15.098	252	64887m	80.538	ng	
89) Benzo(k)fluoranthene	15.121	252	16867m	22.912	ng	
90) Benzo(a)pyrene	15.468	252	41149	61.140	ng	98
91) Dibenzo(a,h)anthracene	17.021	278	5507	9.522	ng	95
92) Benzo(g,h,i)perylene	17.468	276	15407	28.093	ng	# 85

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

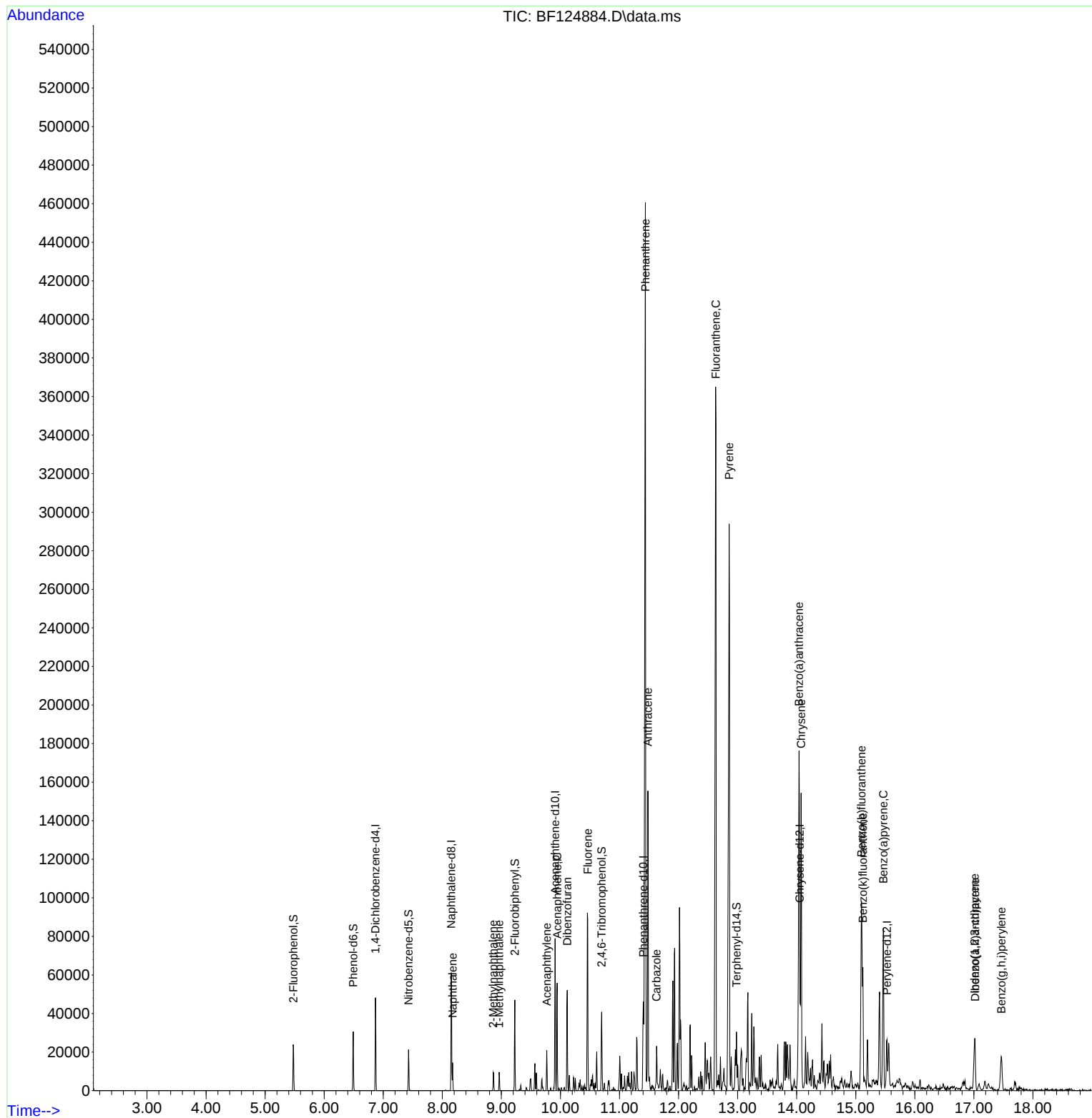
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
Data File : BF124884.D
Acq On : 30 Jul 2021 19:31
Operator : JU/CG
Sample : M3234-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

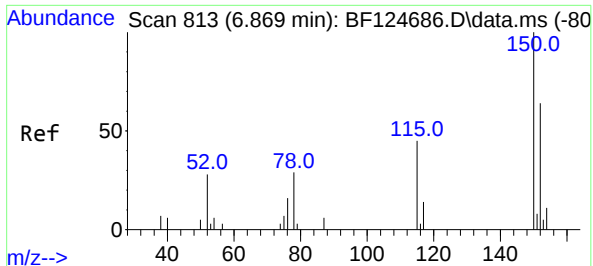
Instrument :
BNA_F
ClientSampleID :
OR-03-072921

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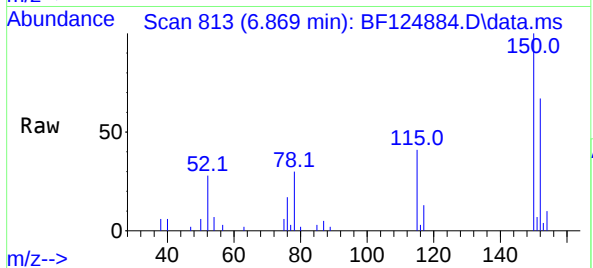
Quant Time: Jul 31 00:07:36 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 15:28:57 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF124884.D
Acq: 30 Jul 2021 19:31

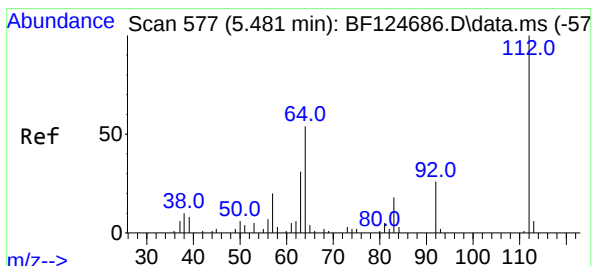
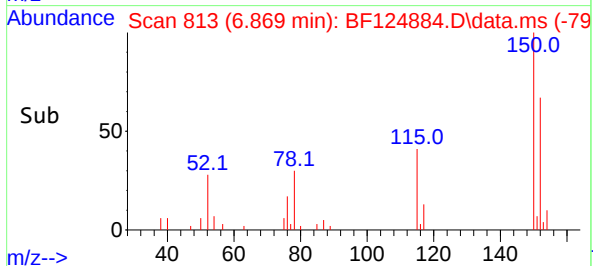
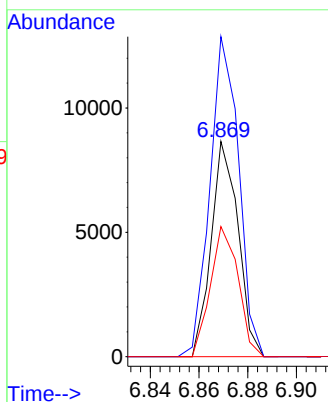
Instrument :
BNA_F
ClientSampleId :
OR-03-072921



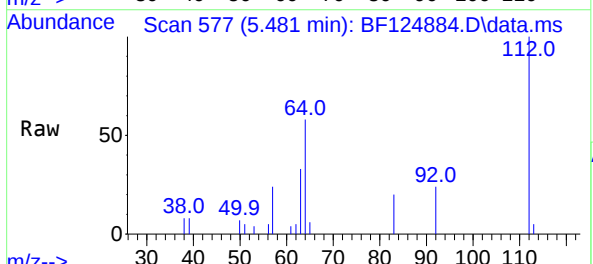
Tgt Ion:152 Resp: 6655
Ion Ratio Lower Upper
152 100
150 148.7 117.6 176.4
115 60.5 47.1 70.7

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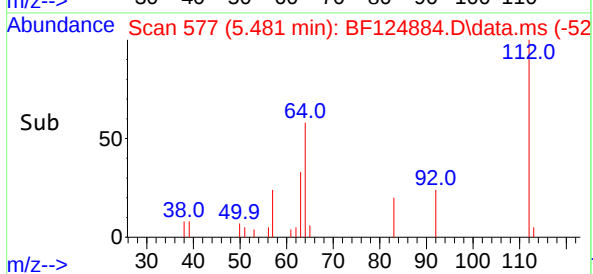
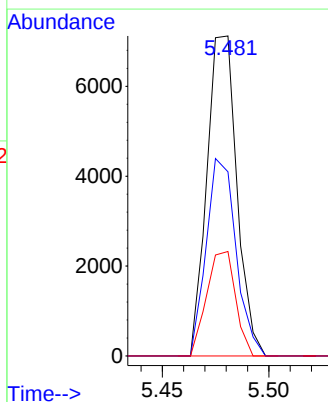
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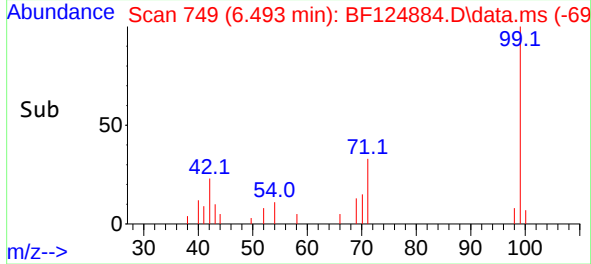
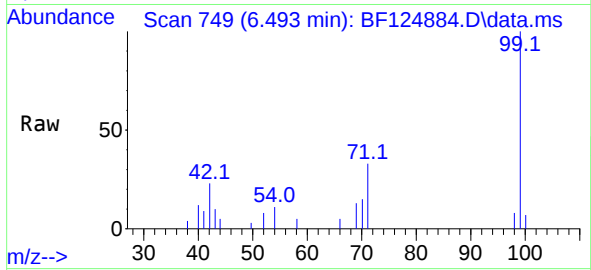
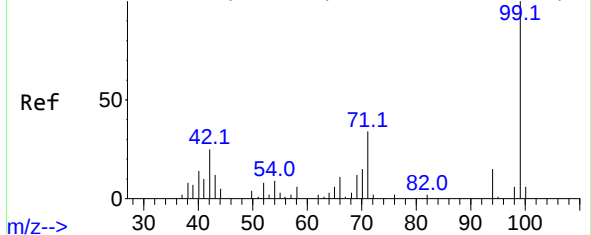
#5
2-Fluorophenol
Concen: 17.820 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF124884.D
Acq: 30 Jul 2021 19:31



Tgt Ion:112 Resp: 7004
Ion Ratio Lower Upper
112 100
64 57.5 44.2 66.2
63 32.6 26.2 39.2



Abundance Scan 750 (6.498 min): BF124686.D\data.ms (-74



#7

Phenol-d6

Concen: 18.421 ng

RT: 6.493 min Scan# 749

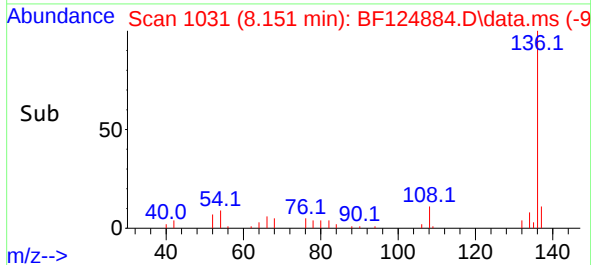
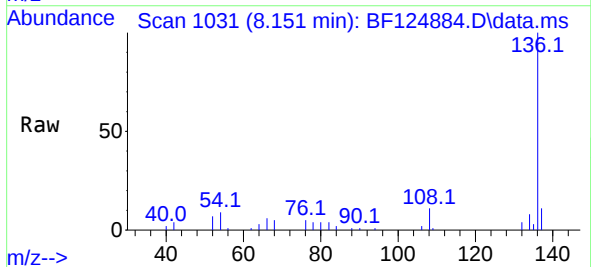
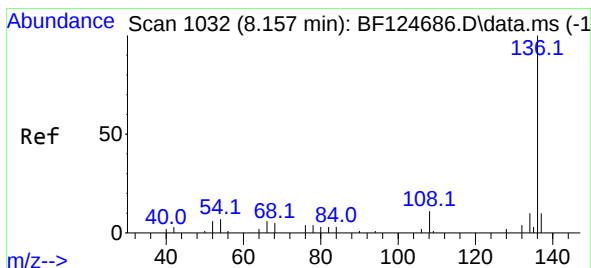
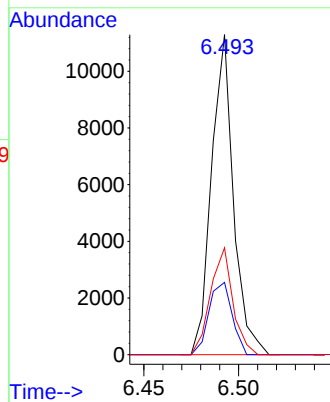
Delta R.T. -0.006 min

Lab File: BF124884.D

Acq: 30 Jul 2021 19:31

Tgt Ion: 99 Resp: 9077

Ion	Ratio	Lower	Upper
99	100		
42	22.6	23.5	35.3#
71	33.4	25.6	38.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1031

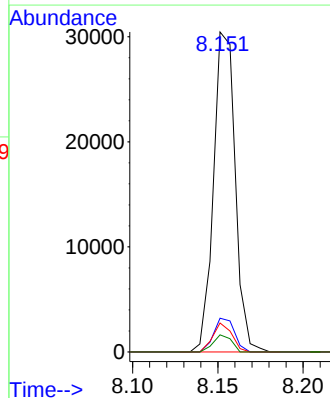
Delta R.T. -0.006 min

Lab File: BF124884.D

Acq: 30 Jul 2021 19:31

Tgt Ion: 136 Resp: 27060

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.8	14.6
54	9.0	6.4	9.6
68	5.3	3.3	4.9#



Instrument :

BNA_F

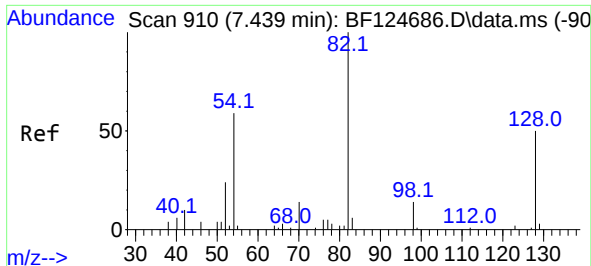
ClientSampleId :

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#23

Nitrobenzene-d5

Concen: 13.610 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF124884.D

Acq: 30 Jul 2021 19:31

Tgt Ion:	82	Resp:	6188
Ion	Ratio	Lower	Upper
82	100		
128	44.7	40.6	60.8
54	63.7	49.6	74.4

Instrument :

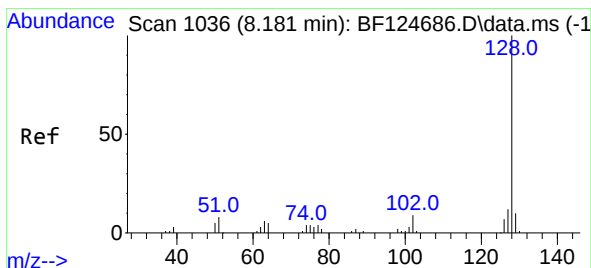
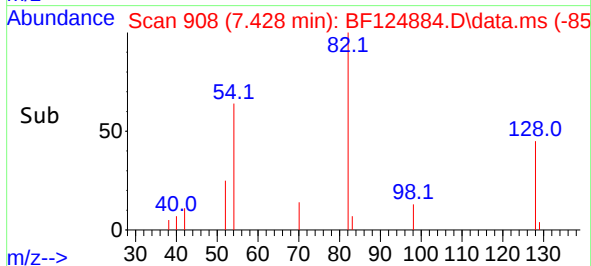
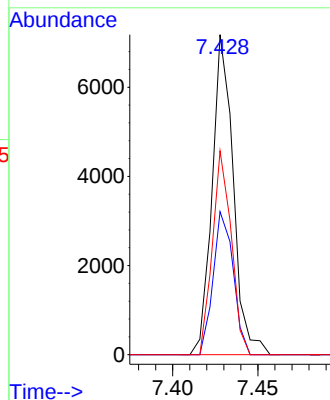
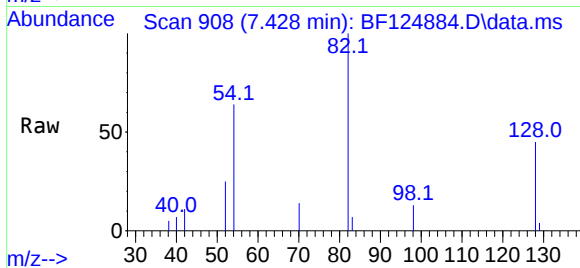
BNA_F

ClientSampleId :

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#31

Naphthalene

Concen: 3.723 ng

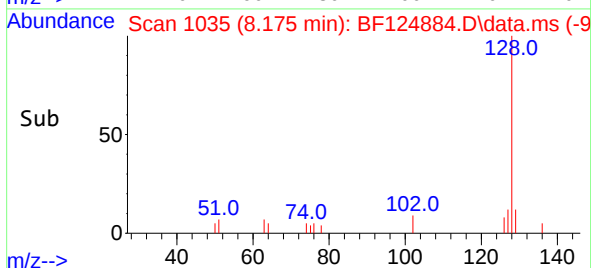
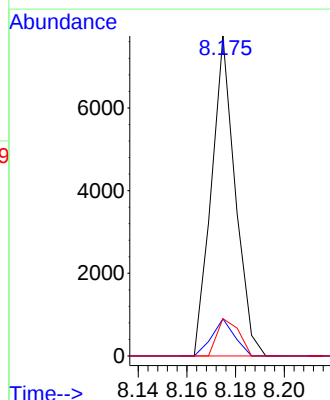
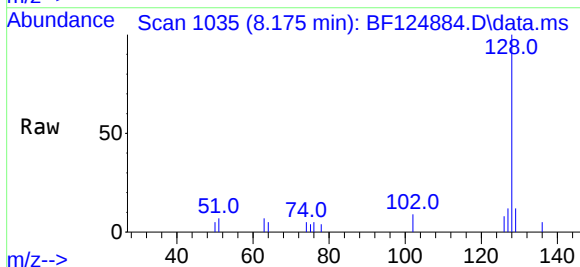
RT: 8.175 min Scan# 1035

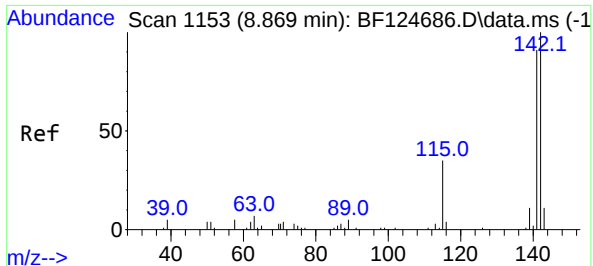
Delta R.T. -0.006 min

Lab File: BF124884.D

Acq: 30 Jul 2021 19:31

Tgt Ion:	128	Resp:	5257
Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.4	14.0
127	11.6	10.9	16.3





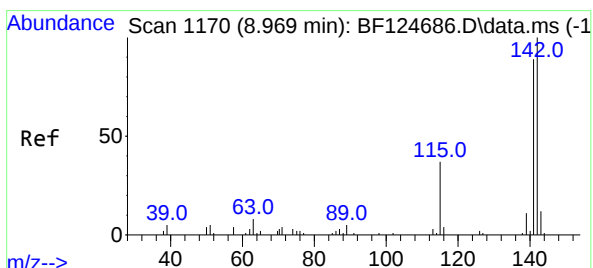
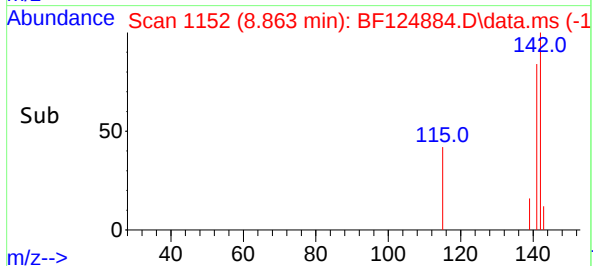
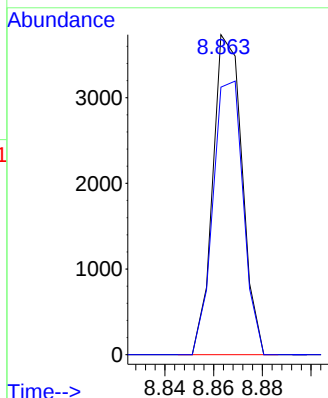
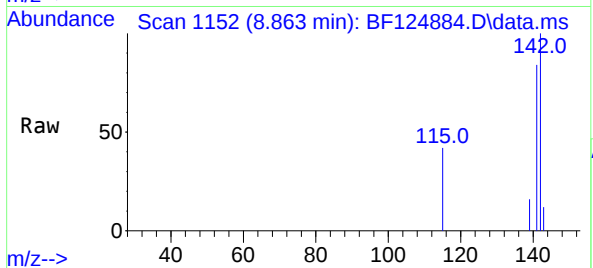
#37
2-Methylnaphthalene
Concen: 3.307 ng
RT: 8.863 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF124884.D
Acq: 30 Jul 2021 19:31

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:142 Resp: 3120
Ion Ratio Lower Upper
142 100
141 83.6 71.2 106.8

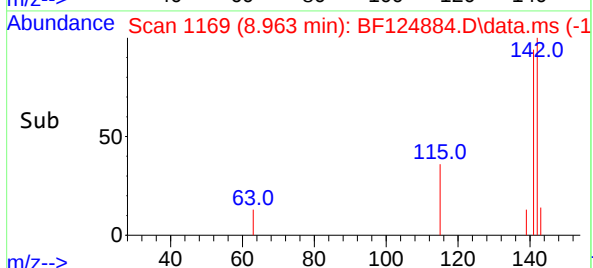
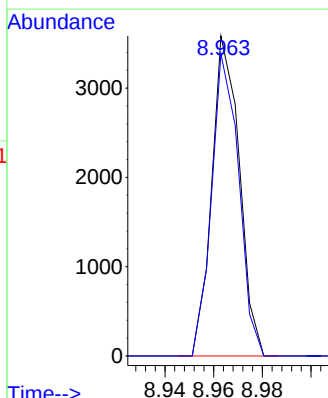
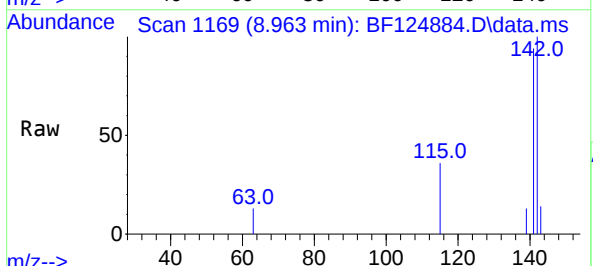
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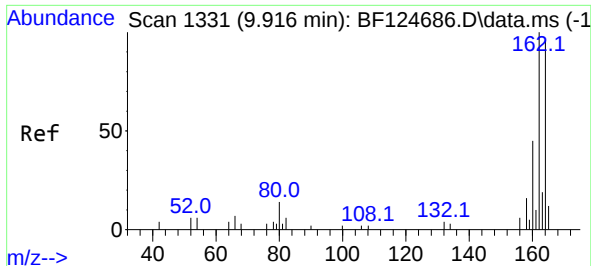
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#38
1-Methylnaphthalene
Concen: 3.150 ng
RT: 8.963 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF124884.D
Acq: 30 Jul 2021 19:31

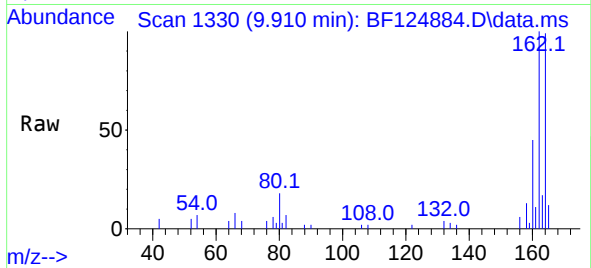
Tgt Ion:142 Resp: 2816
Ion Ratio Lower Upper
142 100
141 94.5 76.0 114.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF124884.D
Acq: 30 Jul 2021 19:31

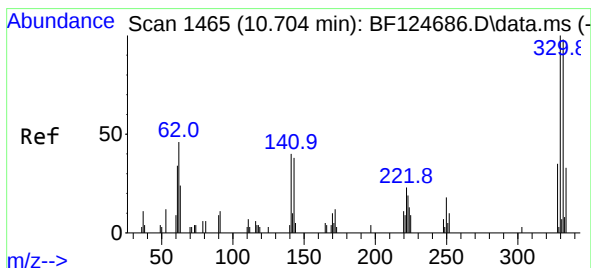
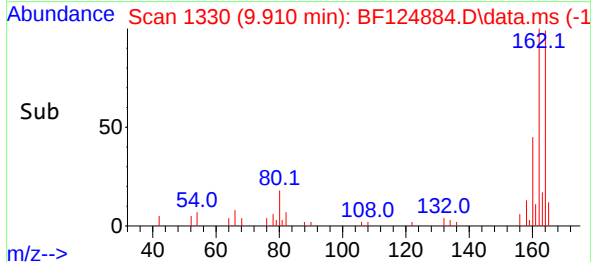
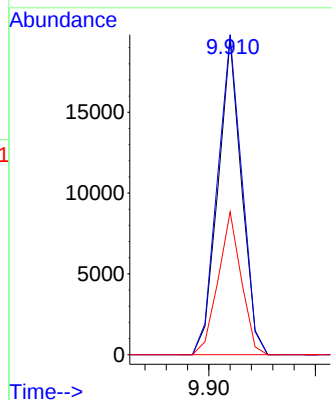
Instrument :
BNA_F
ClientSampleId :
OR-03-072921



Tgt Ion:164 Resp: 15025
Ion Ratio Lower Upper
164 100
162 101.2 81.3 121.9
160 45.2 38.0 57.0

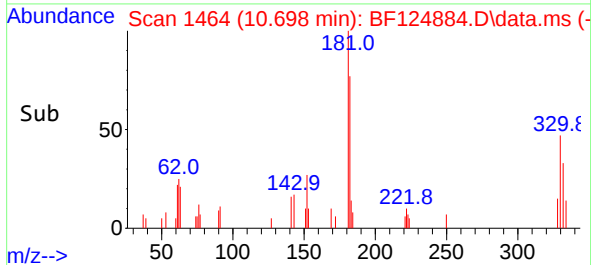
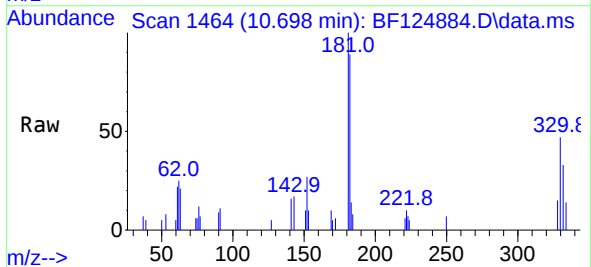
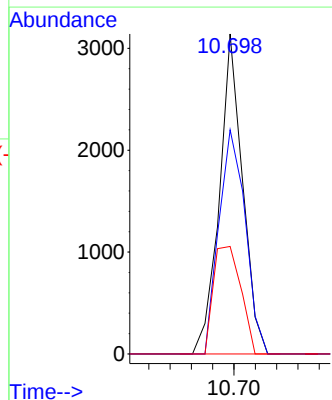
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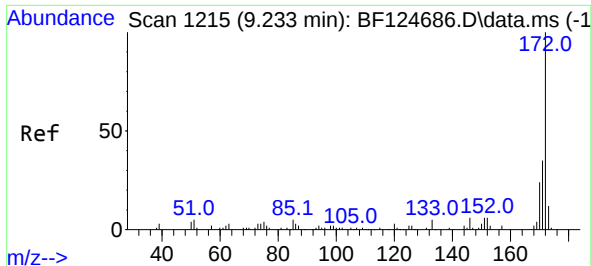
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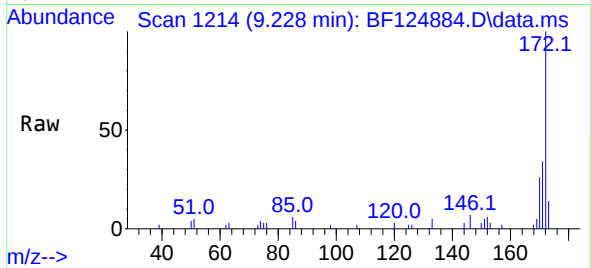
#42
2,4,6-Tribromophenol
Concen: 18.441 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF124884.D
Acq: 30 Jul 2021 19:31

Tgt Ion:330 Resp: 2379
Ion Ratio Lower Upper
330 100
332 79.3 76.2 114.4
141 39.7 44.6 66.8#

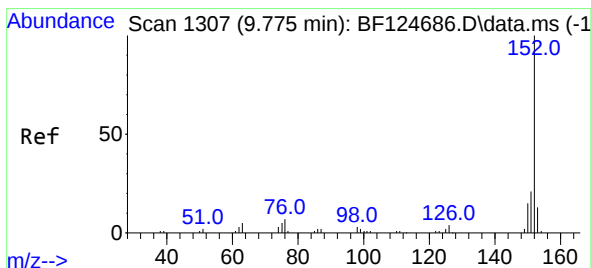
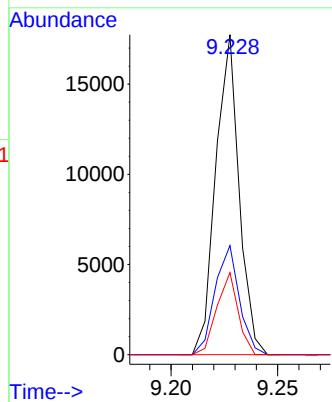
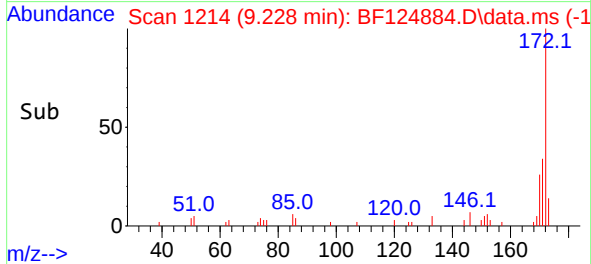




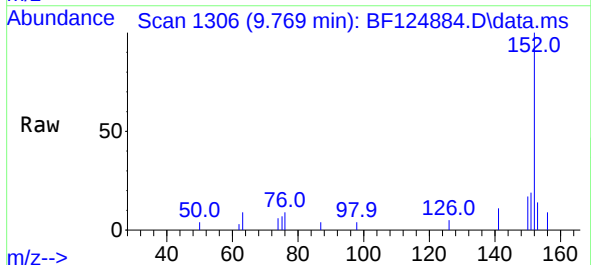
#45
2-Fluorobiphenyl
Concen: 13.204 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF124884.D
Acq: 30 Jul 2021 19:31



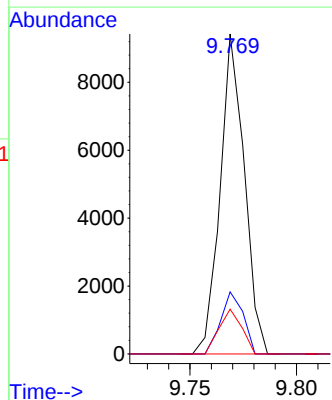
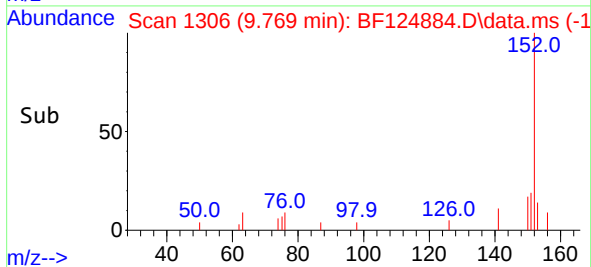
Tgt Ion:172 Resp: 13507
Ion Ratio Lower Upper
172 100
171 34.1 26.5 39.7
170 25.6 18.8 28.2



#49
Acenaphthylene
Concen: 5.431 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF124884.D
Acq: 30 Jul 2021 19:31



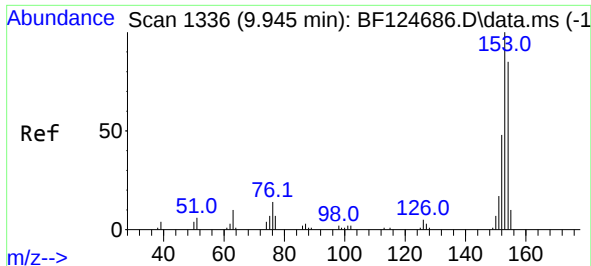
Tgt Ion:152 Resp: 7436
Ion Ratio Lower Upper
152 100
151 19.4 15.7 23.5
153 14.0 9.8 14.8



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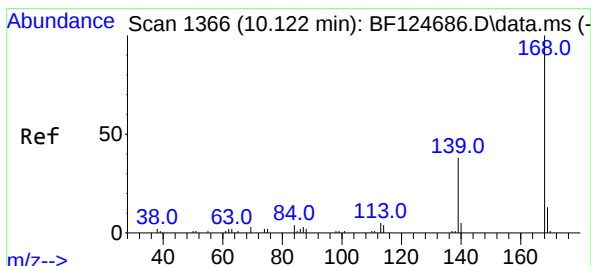
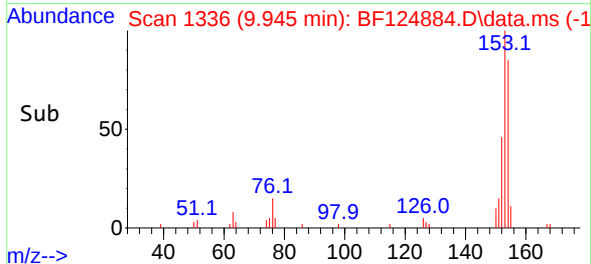
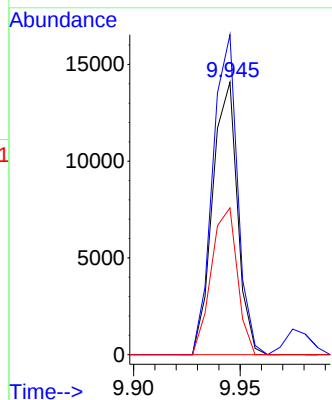
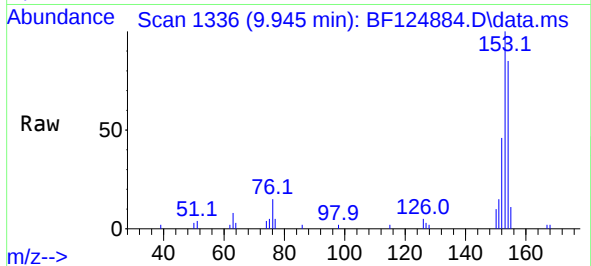
#52
Acenaphthene
Concen: 12.609 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF124884.D
Acq: 30 Jul 2021 19:31

Tgt Ion:154	Resp:	11444
Ion Ratio	Lower	Upper
154	100	
153	117.4	89.4 134.2
152	53.9	40.5 60.7

Instrument :
BNA_F
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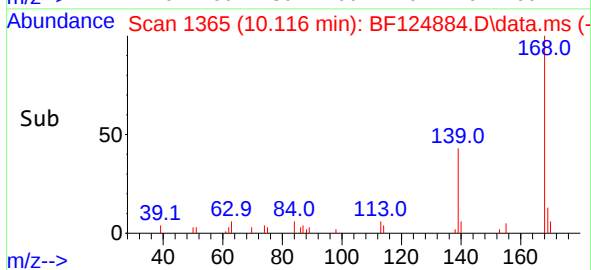
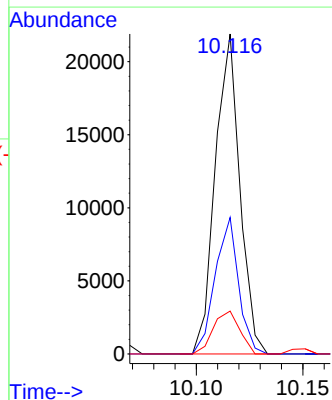
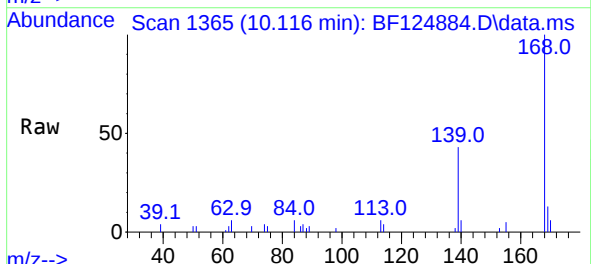
Manual Integrations
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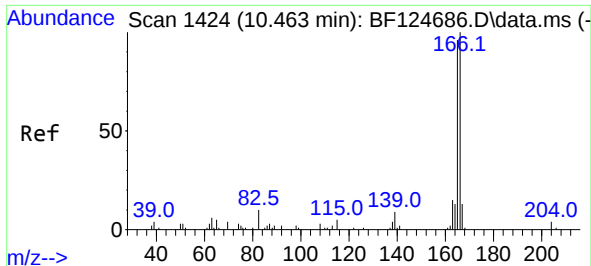
mohammad
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#55
Dibenzofuran
Concen: 13.524 ng
RT: 10.116 min Scan# 1365
Delta R.T. -0.006 min
Lab File: BF124884.D
Acq: 30 Jul 2021 19:31

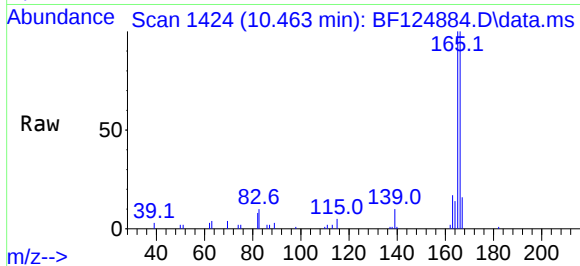
Tgt Ion:168	Resp:	17541
Ion Ratio	Lower	Upper
168	100	
139	42.7	32.7 49.1
169	13.4	11.2 16.8





#58
Fluorene
Concen: 25.924 ng
RT: 10.463 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF124884.D
Acq: 30 Jul 2021 19:31

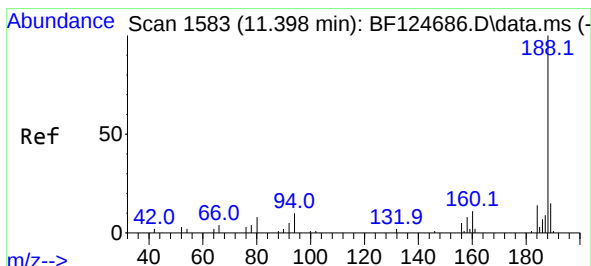
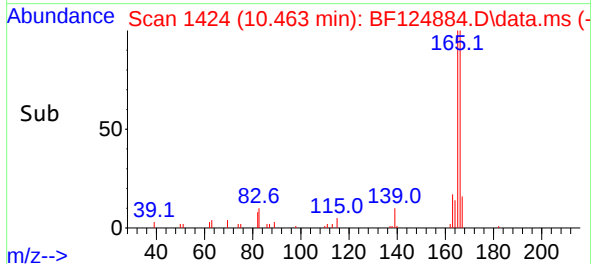
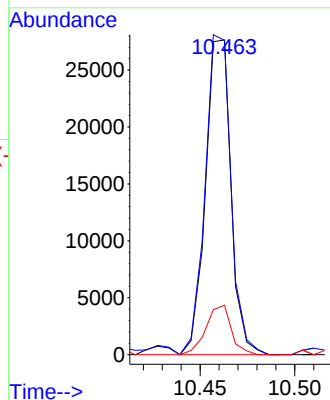
Instrument :
BNA_F
ClientSampleId :
OR-03-072921



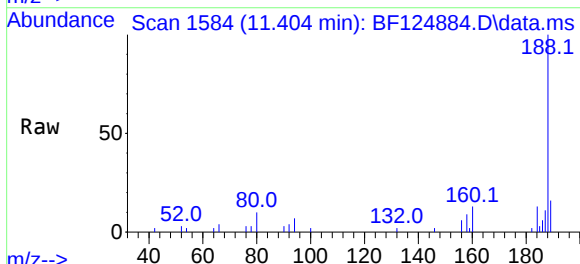
Tgt Ion:166 Resp: 25793
Ion Ratio Lower Upper
166 100
165 99.9 78.1 117.1
167 15.7 11.1 16.7

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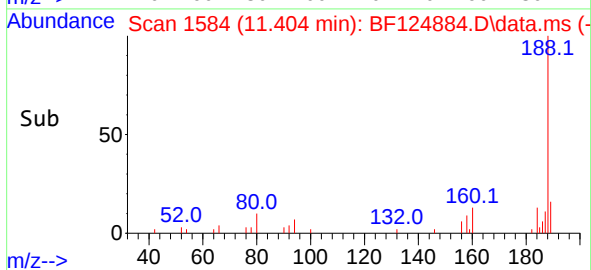
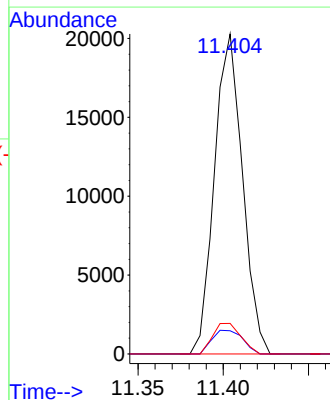
mohammad
8/2/2021 3:44:57 PM

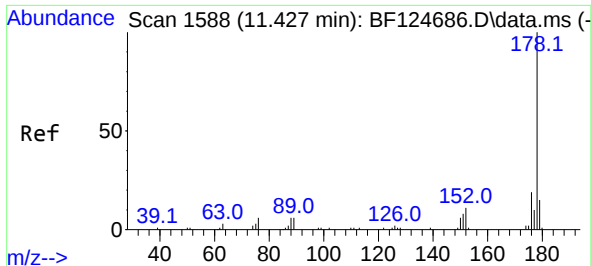


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.006 min
Lab File: BF124884.D
Acq: 30 Jul 2021 19:31



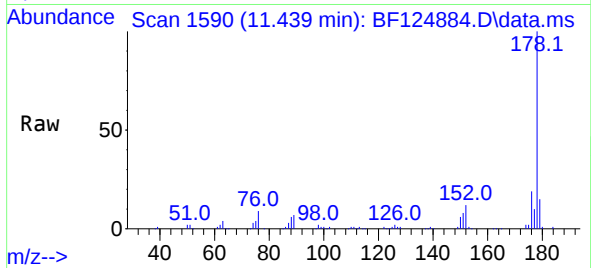
Tgt Ion:188 Resp: 23213
Ion Ratio Lower Upper
188 100
94 7.2 6.7 10.1
80 9.5 7.5 11.3





#71
Phenanthrene
Concen: 165.218 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.012 min
Lab File: BF124884.D
Acq: 30 Jul 2021 19:31

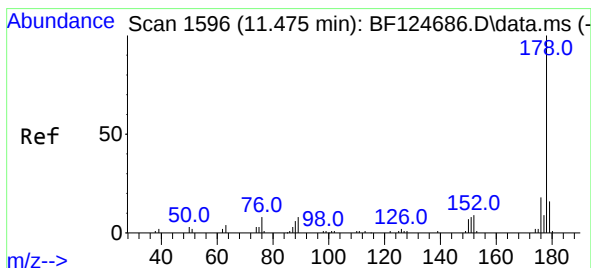
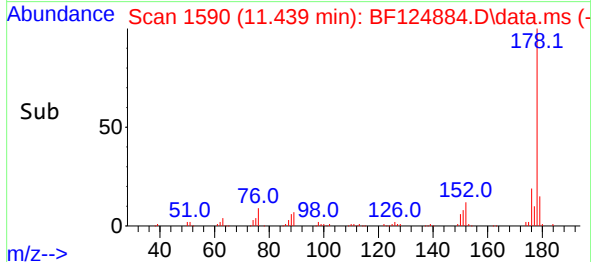
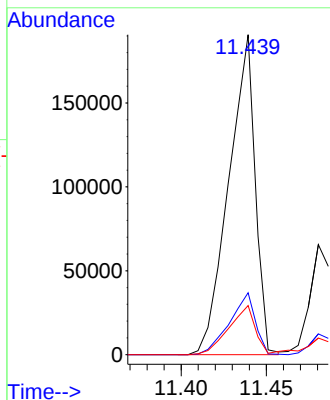
Instrument :
BNA_F
ClientSampleId :
OR-03-072921



Tgt Ion:178 Resp: 206274
Ion Ratio Lower Upper
178 100
176 19.3 14.7 22.1
179 15.4 11.5 17.3

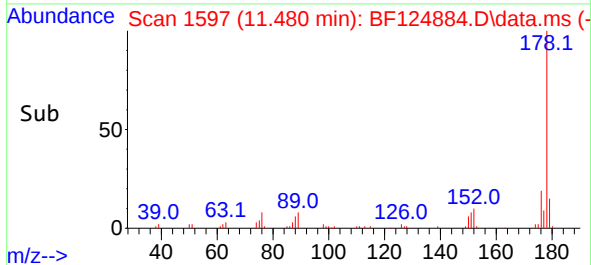
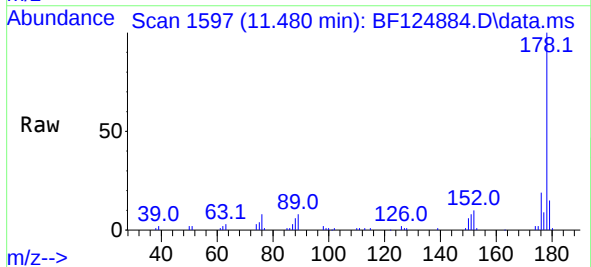
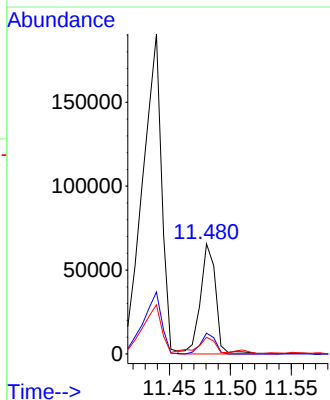
Manual Integrations
APPROVED

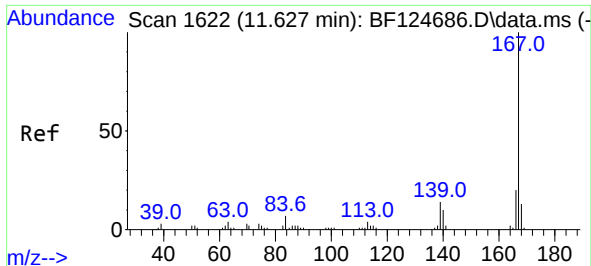
mohammad
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#72
Anthracene
Concen: 46.437 ng
RT: 11.480 min Scan# 1597
Delta R.T. 0.006 min
Lab File: BF124884.D
Acq: 30 Jul 2021 19:31

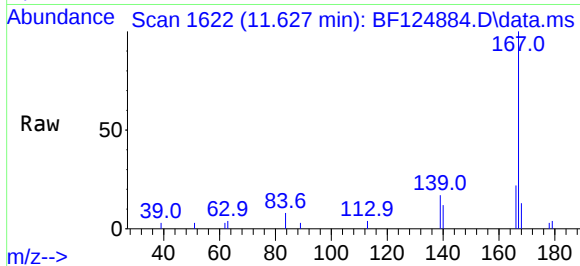
Tgt Ion:178 Resp: 57960
Ion Ratio Lower Upper
178 100
176 18.9 14.3 21.5
179 15.1 12.2 18.4





#73
 Carbazole
 Concen: 8.505 ng
 RT: 11.627 min Scan# 1622
 Delta R.T. 0.000 min
 Lab File: BF124884.D
 Acq: 30 Jul 2021 19:31

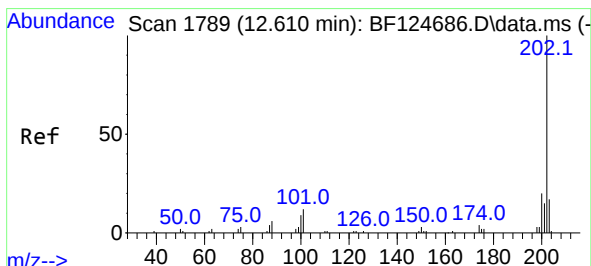
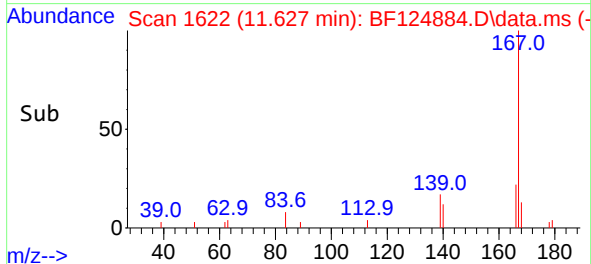
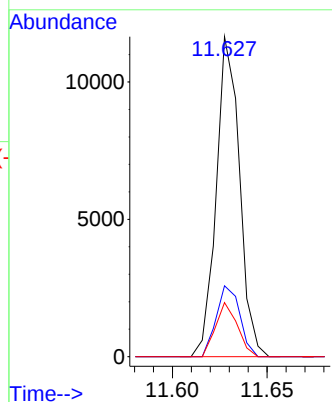
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-072921



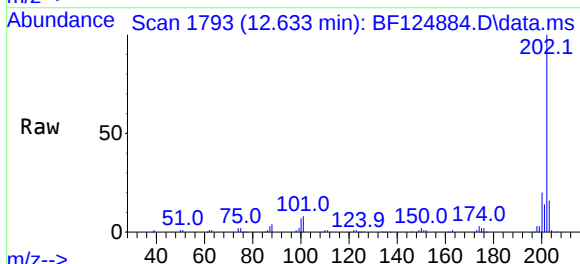
Tgt Ion:167 Resp: 9950
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.4 26.0
 139 16.9 11.0 16.4#

Manual Integrations
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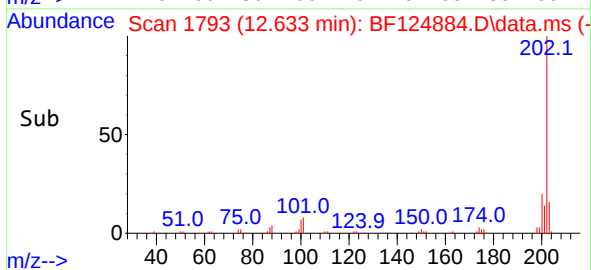
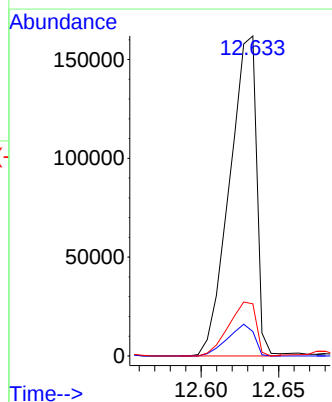
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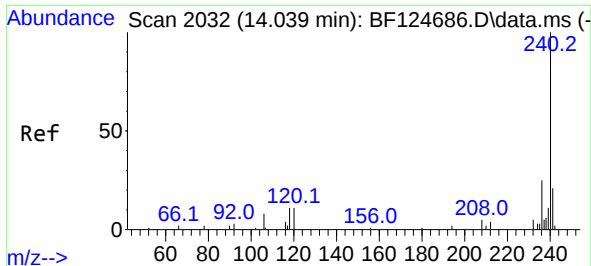


#75
 Fluoranthene
 Concen: 153.719 ng
 RT: 12.633 min Scan# 1793
 Delta R.T. 0.024 min
 Lab File: BF124884.D
 Acq: 30 Jul 2021 19:31

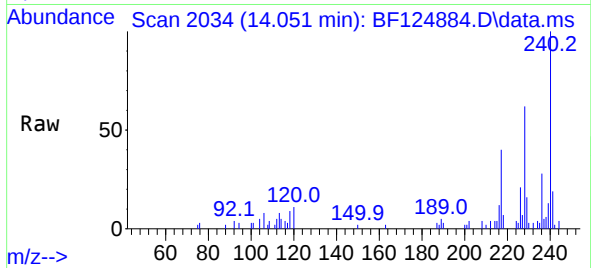


Tgt Ion:202 Resp: 195846
 Ion Ratio Lower Upper
 202 100
 101 7.7 0.0 30.7
 203 16.3 0.0 36.3

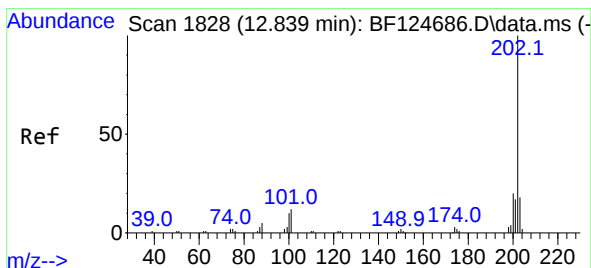
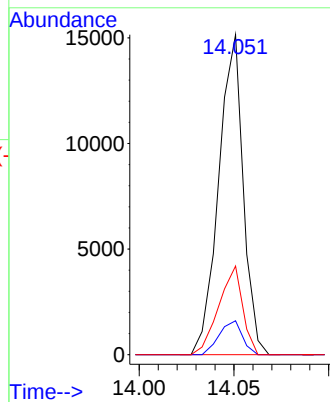
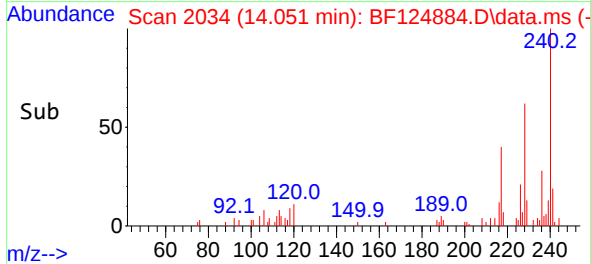




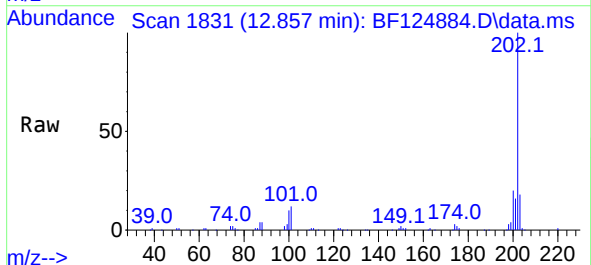
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.012 min
Lab File: BF124884.D
Acq: 30 Jul 2021 19:31



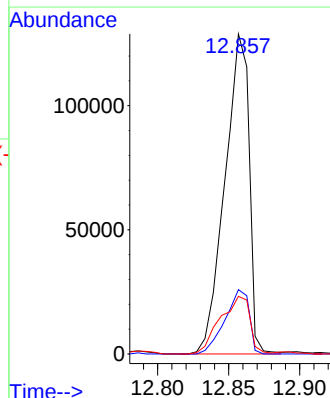
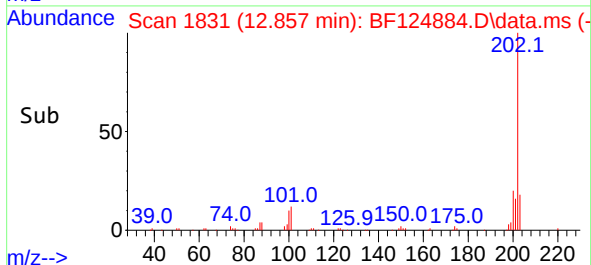
Tgt Ion:240 Resp: 13633
Ion Ratio Lower Upper
240 100
120 10.6 10.8 16.2#
236 27.7 21.6 32.4



#78
Pyrene
Concen: 141.993 ng
RT: 12.857 min Scan# 1831
Delta R.T. 0.018 min
Lab File: BF124884.D
Acq: 30 Jul 2021 19:31



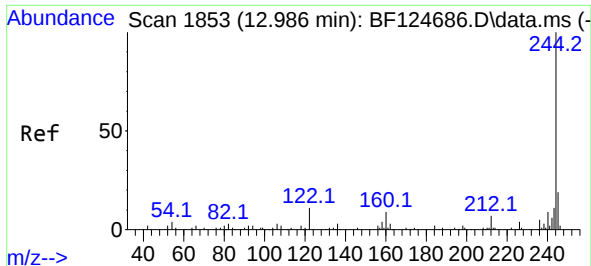
Tgt Ion:202 Resp: 153251
Ion Ratio Lower Upper
202 100
200 20.1 15.3 22.9
203 18.0 13.4 20.0



Instrument :
BNA_F
ClientSampleId :
OR-03-072921

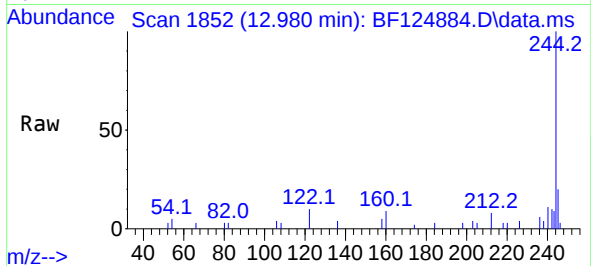
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#79
Terphenyl-d14
Concen: 13.139 ng
RT: 12.980 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BF124884.D
Acq: 30 Jul 2021 19:31

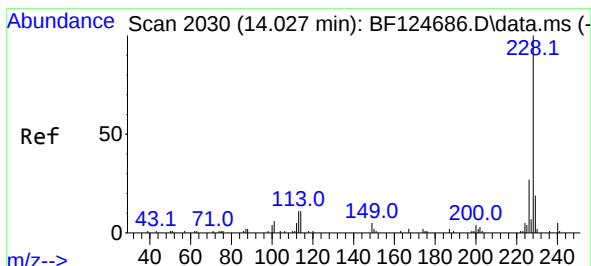
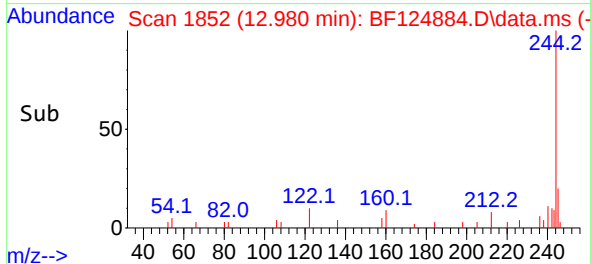
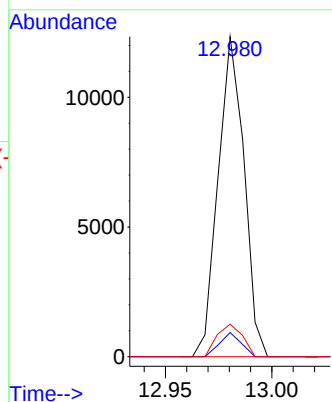
Instrument :
BNA_F
ClientSampleId :
OR-03-072921



Tgt Ion:244 Resp: 10450
Ion Ratio Lower Upper
244 100
212 7.6 5.9 8.9
122 10.2 9.0 13.4

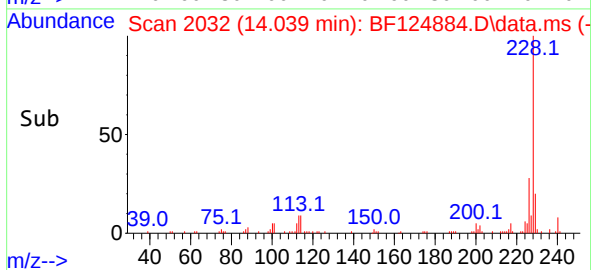
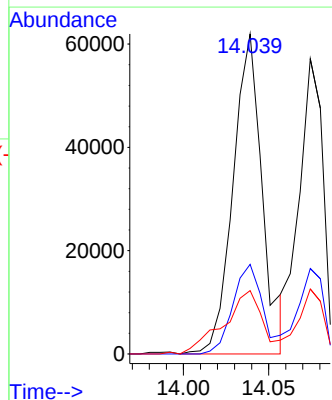
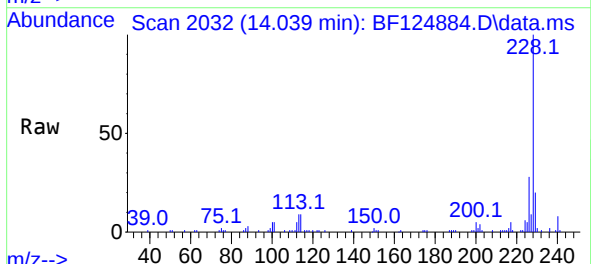
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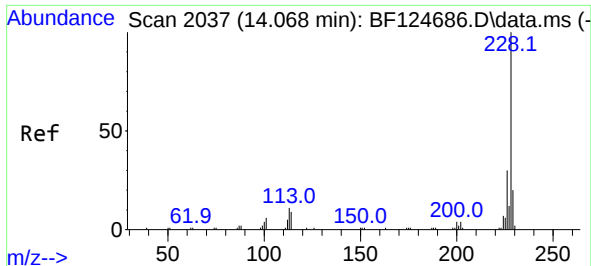
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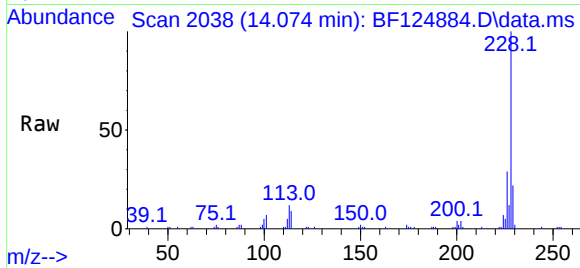
#81
Benzo(a)anthracene
Concen: 82.930 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.012 min
Lab File: BF124884.D
Acq: 30 Jul 2021 19:31

Tgt Ion:228 Resp: 73903
Ion Ratio Lower Upper
228 100
226 28.0 21.6 32.4
229 19.8 15.6 23.4

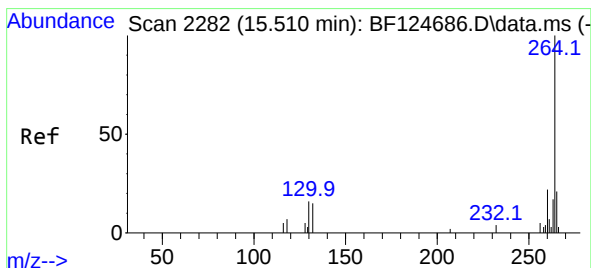
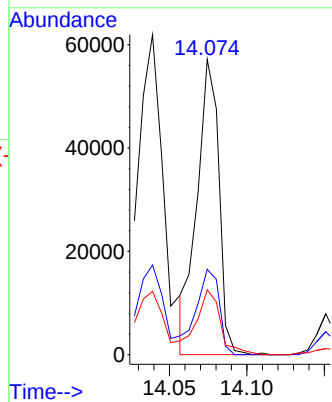
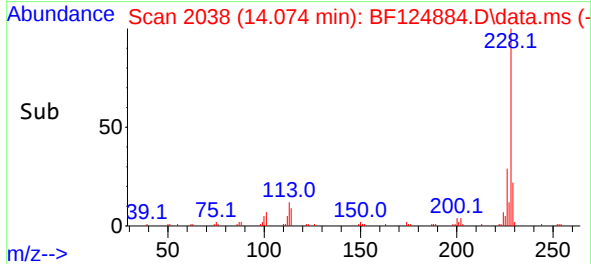




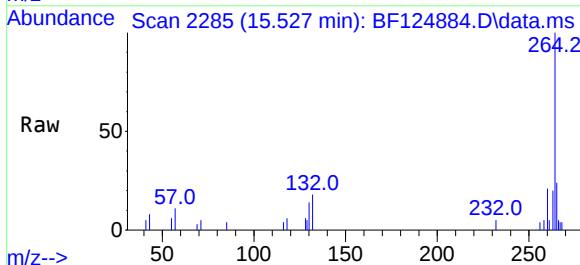
#83
Chrysene
Concen: 65.328 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF124884.D
Acq: 30 Jul 2021 19:31



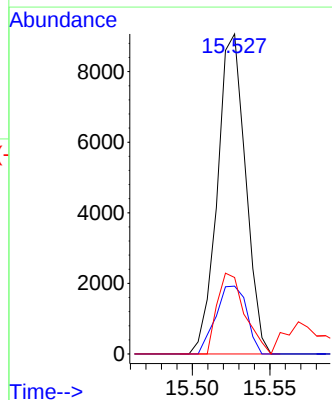
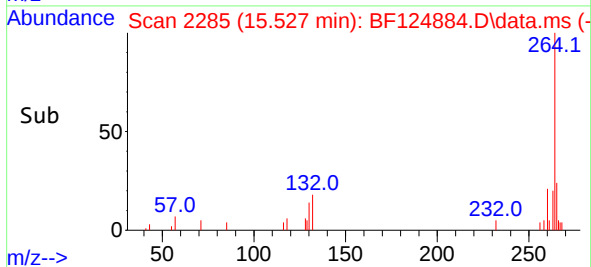
Tgt Ion: 228 Resp: 56087
Ion Ratio Lower Upper
228 100
226 29.0 22.6 34.0
229 22.0 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2285
Delta R.T. 0.018 min
Lab File: BF124884.D
Acq: 30 Jul 2021 19:31



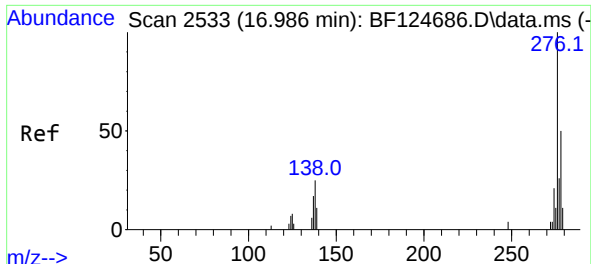
Tgt Ion: 264 Resp: 11443
Ion Ratio Lower Upper
264 100
260 21.2 19.6 29.4
265 23.9 17.2 25.8



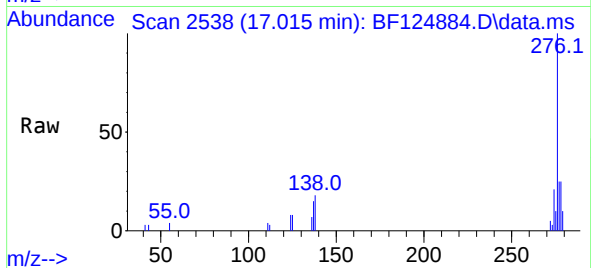
Instrument :
BNA_F
ClientSampleId :
OR-03-072921

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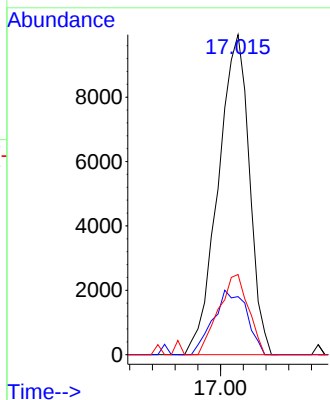
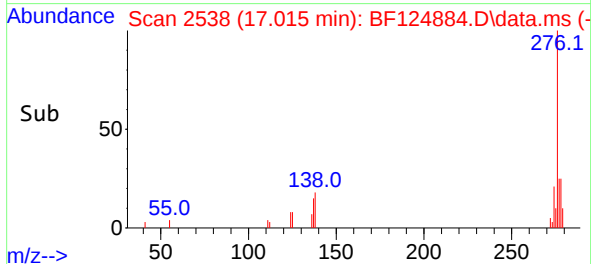
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#87
Indeno(1,2,3-cd)pyrene
Concen: 28.657 ng
RT: 17.015 min Scan# 2538
Delta R.T. 0.029 min
Lab File: BF124884.D
Acq: 30 Jul 2021 19:31



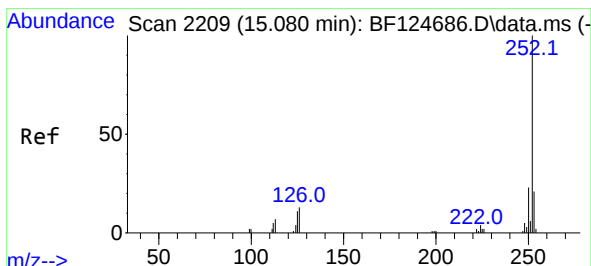
Tgt Ion: 276 Resp: 18932
Ion Ratio Lower Upper
276 100
138 21.7 24.1 36.1#
277 23.9 18.8 28.2



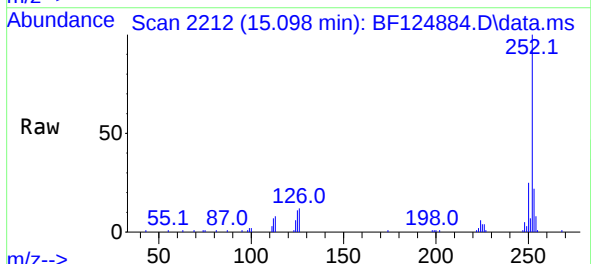
Instrument :
BNA_F
ClientSampleId :
OR-03-072921

Manual Integrations
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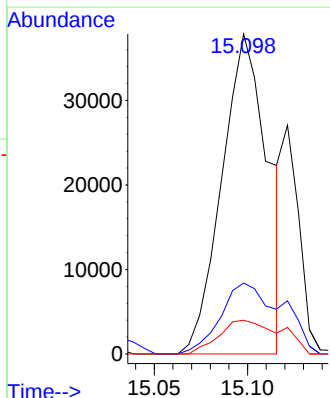
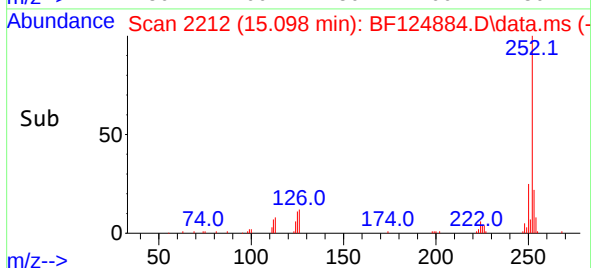
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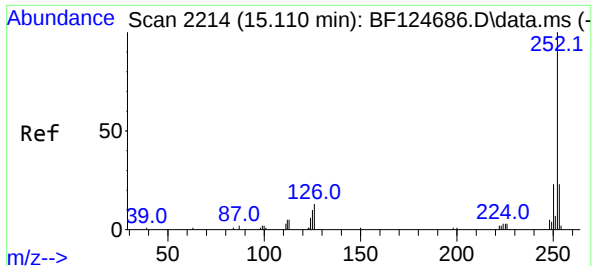


#88
Benzo(b)fluoranthene
Concen: 80.538 ng m
RT: 15.098 min Scan# 2212
Delta R.T. 0.018 min
Lab File: BF124884.D
Acq: 30 Jul 2021 19:31



Tgt Ion: 252 Resp: 64887
Ion Ratio Lower Upper
252 100
253 22.1 16.8 25.2
125 10.6 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 22.912 ng m

RT: 15.121 min Scan# 2216

Delta R.T. 0.012 min

Lab File: BF124884.D

Acq: 30 Jul 2021 19:31

Tgt Ion:252	Resp:	16867
Ion Ratio	Lower	Upper
252	100	
253	23.3	17.8 26.8
125	11.6	7.2 10.8#

Instrument :

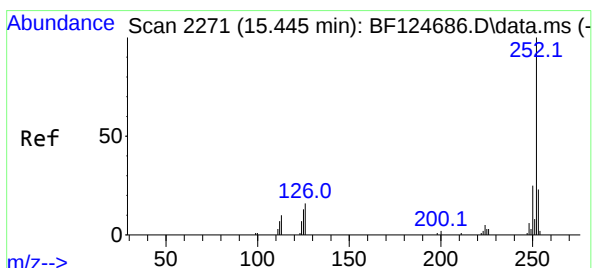
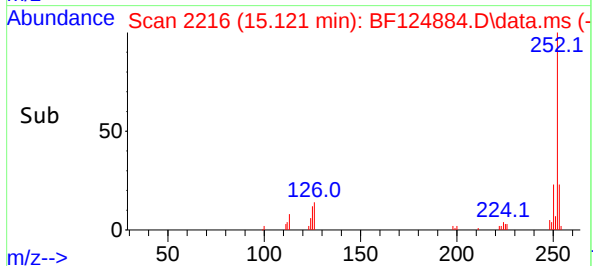
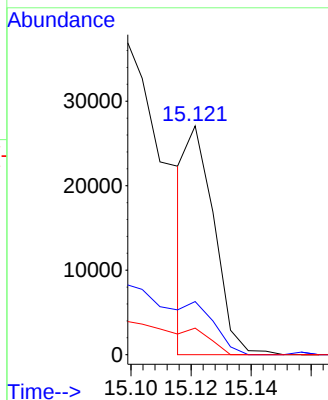
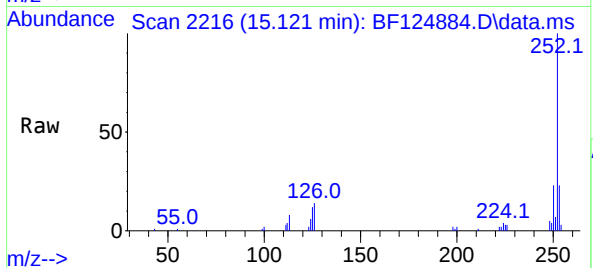
BNA_F

ClientSampleId :

OR-03-072921

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 61.140 ng

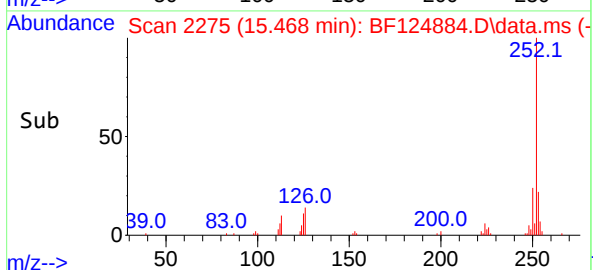
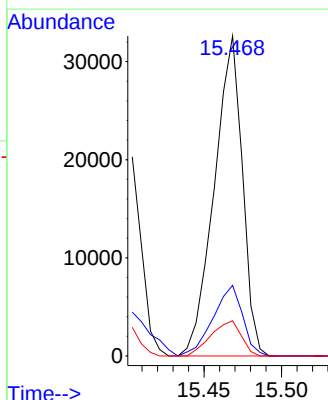
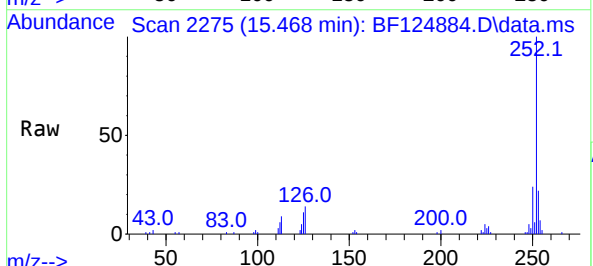
RT: 15.468 min Scan# 2275

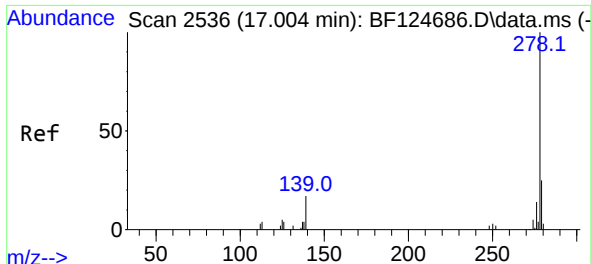
Delta R.T. 0.024 min

Lab File: BF124884.D

Acq: 30 Jul 2021 19:31

Tgt Ion:252	Resp:	41149
Ion Ratio	Lower	Upper
252	100	
253	22.1	18.4 27.6
125	11.0	9.9 14.9





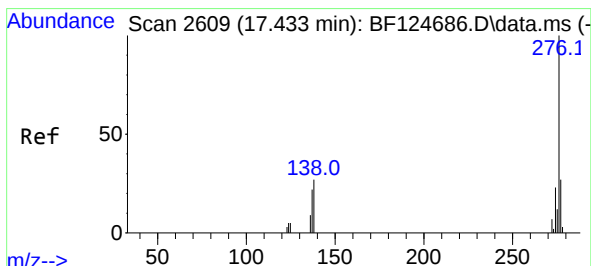
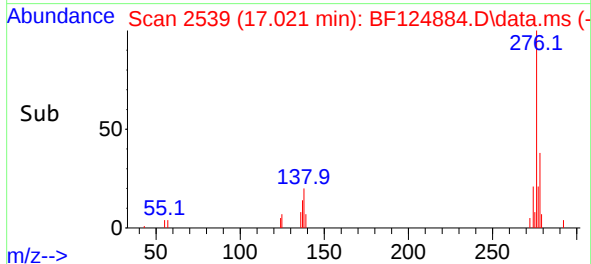
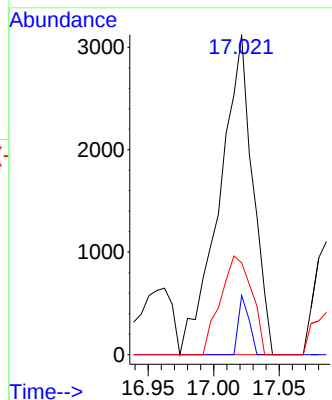
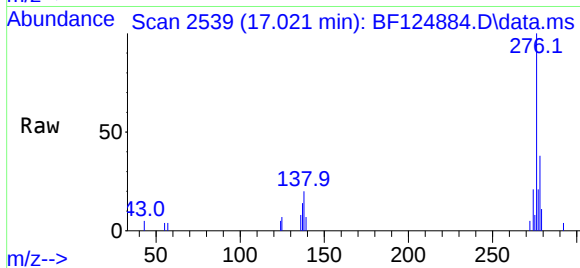
#91
Dibenzo(a,h)anthracene
Concen: 9.522 ng
RT: 17.021 min Scan# 2539
Delta R.T. 0.018 min
Lab File: BF124884.D
Acq: 30 Jul 2021 19:31

Tgt Ion:	278	Resp:	5507
Ion Ratio	Lower	Upper	
278	100		
139	18.5	14.9	22.3
279	28.7	19.7	29.5

Instrument :
BNA_F
ClientSampleId :
OR-03-072921

Manual Integrations
APPROVED

mohammad
8/2/2021 3:44:57 PM



#92
Benzo(g,h,i)perylene
Concen: 28.093 ng
RT: 17.468 min Scan# 2615
Delta R.T. 0.035 min
Lab File: BF124884.D
Acq: 30 Jul 2021 19:31

Tgt Ion:	276	Resp:	15407
Ion Ratio	Lower	Upper	
276	100		
277	21.9	22.0	33.0#
138	18.0	22.2	33.4#

