

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072721\
 Data File : BF124812.D
 Acq On : 28 Jul 2021 1:25
 Operator : JU/CG
 Sample : M3199-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072621

Manual Integrations
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Quant Time: Jul 28 03:08:51 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	6591	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	24632	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	13992	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	23635	20.000	ng	0.00
76) Chrysene-d12	14.033	240	13950	20.000	ng	0.00
86) Perylene-d12	15.509	264	13498	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	7510	19.292	ng	0.00
7) Phenol-d6	6.487	99	9213	18.879	ng	-0.01
23) Nitrobenzene-d5	7.428	82	6079	14.689	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	2573	21.418	ng	-0.01
45) 2-Fluorobiphenyl	9.227	172	13462	14.131	ng	0.00
79) Terphenyl-d14	12.974	244	12423	15.265	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.175	128	4421	3.439	ng	96
37) 2-Methylnaphthalene	8.863	142	5557	6.470	ng	97
38) 1-Methylnaphthalene	8.963	142	4182	5.140	ng	98
52) Acenaphthene	9.939	154	3432	4.060	ng	96
55) Dibenzofuran	10.110	168	4695	3.887	ng	# 84
58) Fluorene	10.457	166	6069	6.550	ng	98
71) Phenanthrene	11.421	178	33354	26.238	ng	98
72) Anthracene	11.469	178	7768	6.113	ng	98
75) Fluoranthene	12.610	202	20119	15.509	ng	97
78) Pyrene	12.839	202	20334	18.412	ng	100
81) Benzo(a)anthracene	14.021	228	8953	9.818	ng	96
83) Chrysene	14.057	228	8236	9.375	ng	97
87) Indeno(1,2,3-cd)pyrene	16.980	276	3634	4.663	ng	# 83
88) Benzo(b)fluoranthene	15.074	252	10428m	10.973	ng	
89) Benzo(k)fluoranthene	15.104	252	4232m	4.874	ng	
90) Benzo(a)pyrene	15.445	252	7965	10.033	ng	94
92) Benzo(g,h,i)perylene	17.433	276	3111	4.809	ng	# 92

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

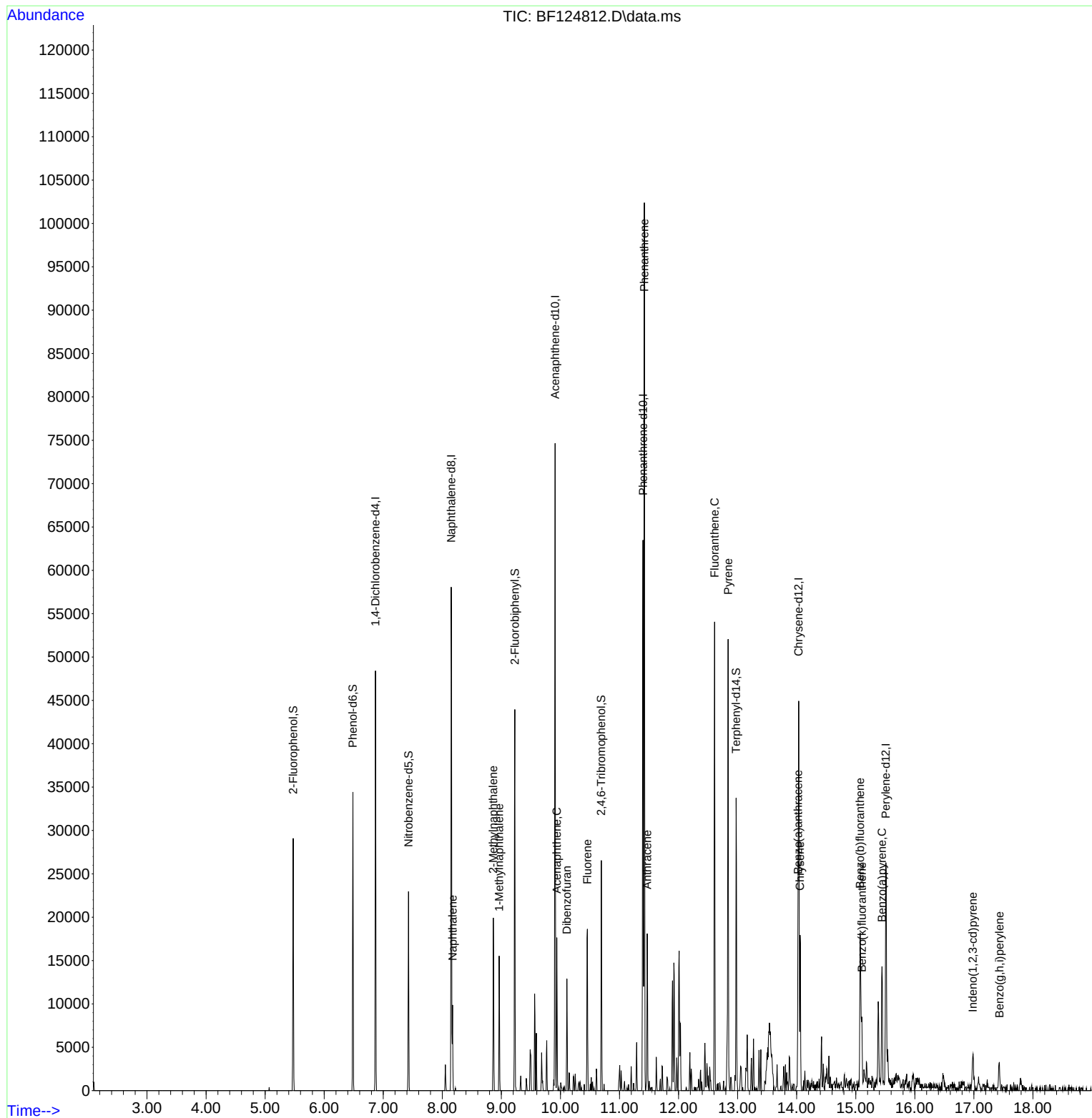
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072721\
Data File : BF124812.D
Acq On : 28 Jul 2021 1:25
Operator : JU/CG
Sample : M3199-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

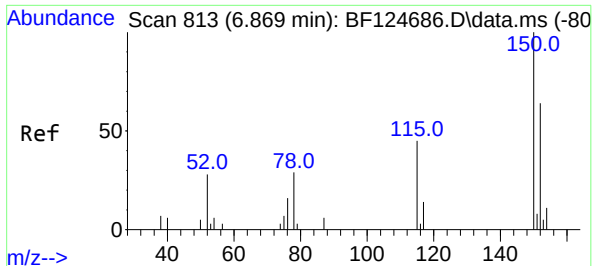
Instrument :
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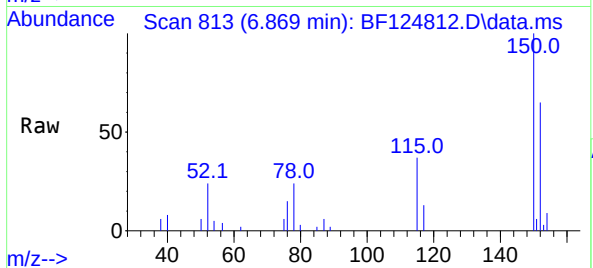
Quant Time: Jul 28 03:08:51 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 15:28:57 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF124812.D
Acq: 28 Jul 2021 1:25

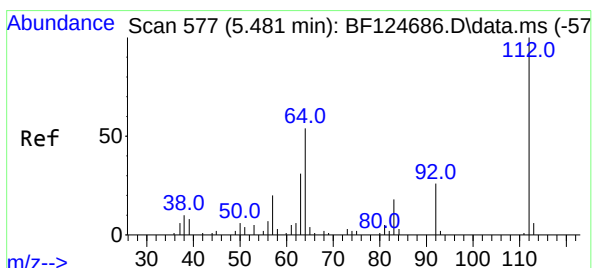
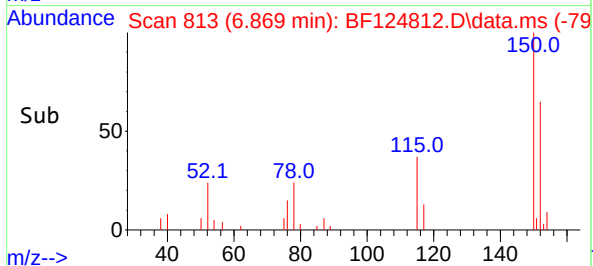
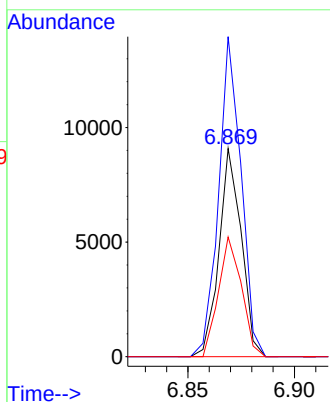
Instrument :
BNA_F
ClientSampleId :
HD-02-072621



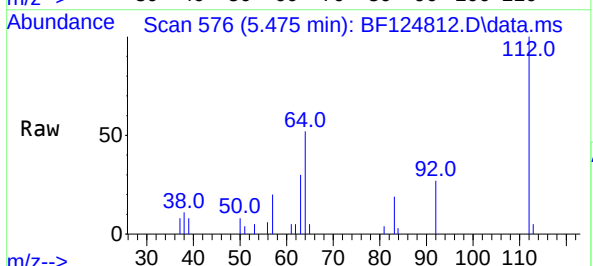
Tgt Ion:152 Resp: 6591
Ion Ratio Lower Upper
152 100
150 153.8 117.6 176.4
115 57.5 47.1 70.7

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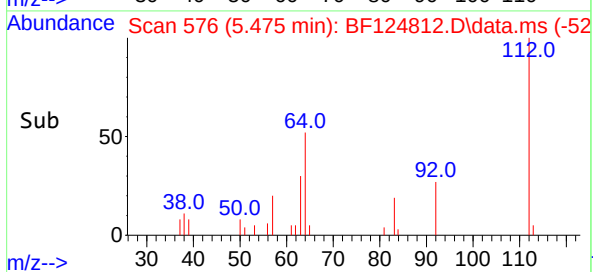
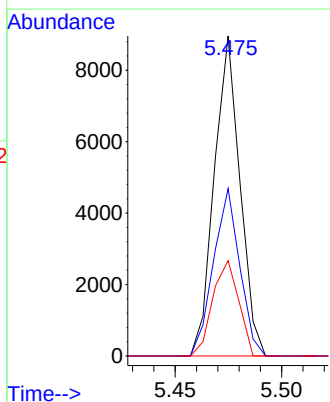
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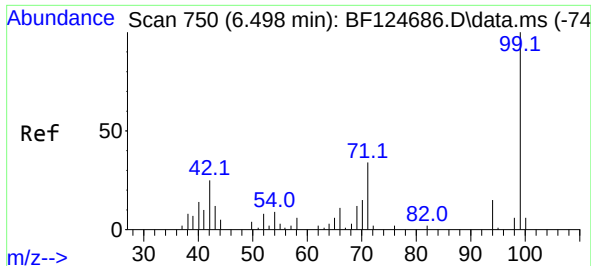


#5
2-Fluorophenol
Concen: 19.292 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF124812.D
Acq: 28 Jul 2021 1:25



Tgt Ion:112 Resp: 7510
Ion Ratio Lower Upper
112 100
64 52.3 44.2 66.2
63 29.8 26.2 39.2





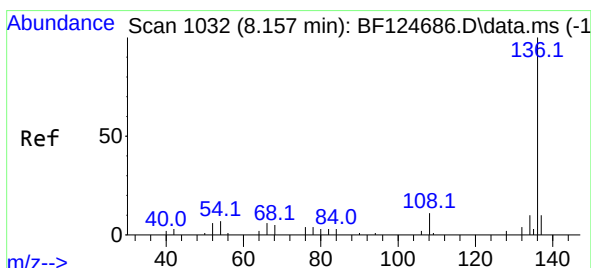
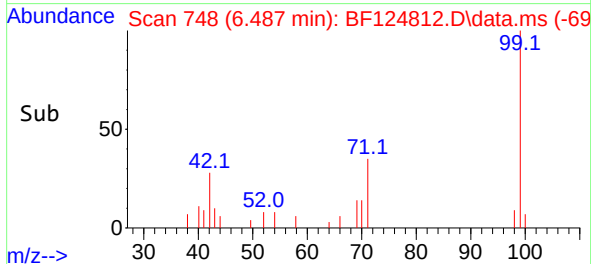
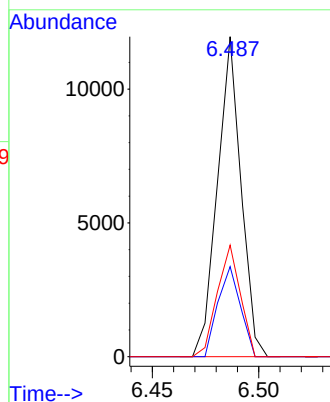
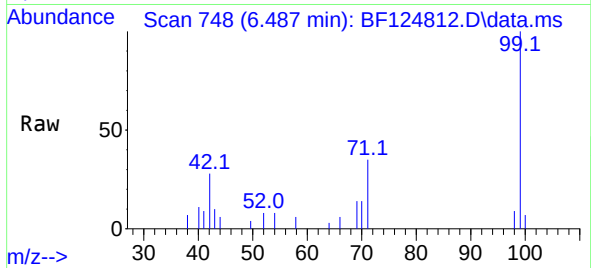
#7
Phenol-d6
Concen: 18.879 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF124812.D
Acq: 28 Jul 2021 1:25

Tgt Ion:	99	Resp:	9213
Ion	Ratio	Lower	Upper
99	100		
42	28.1	23.5	35.3
71	34.9	25.6	38.4

Instrument :
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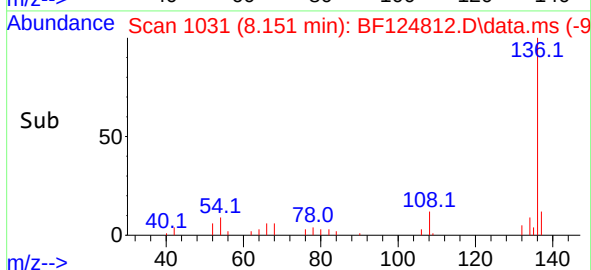
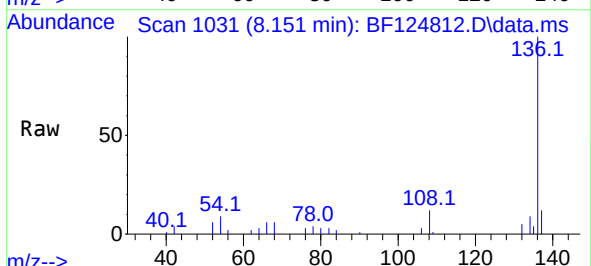
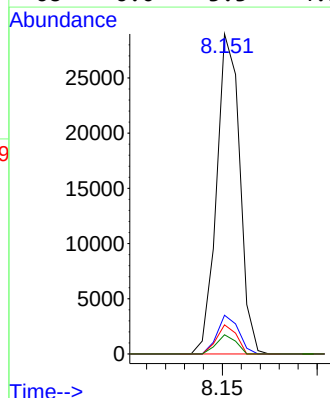
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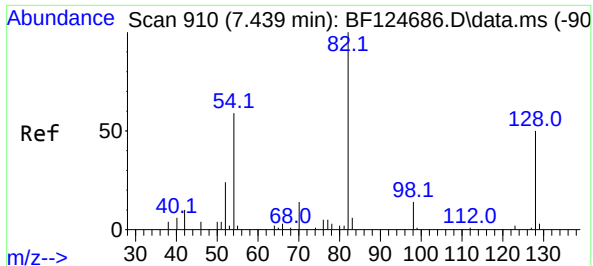
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF124812.D
Acq: 28 Jul 2021 1:25

Tgt Ion:	136	Resp:	24632
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.8	14.6
54	9.1	6.4	9.6
68	6.0	3.3	4.9





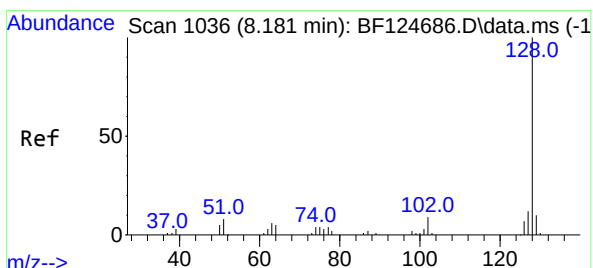
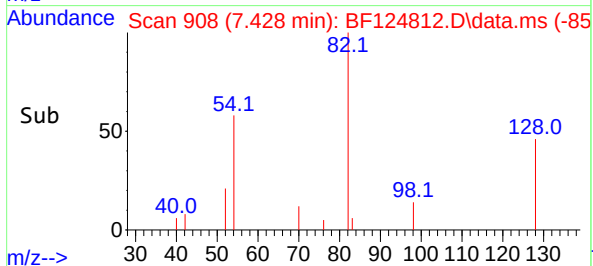
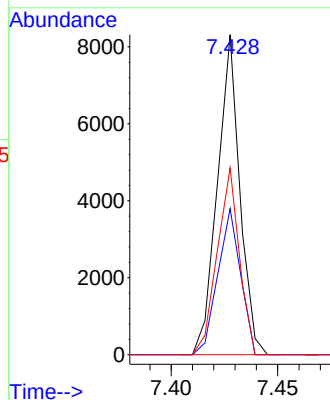
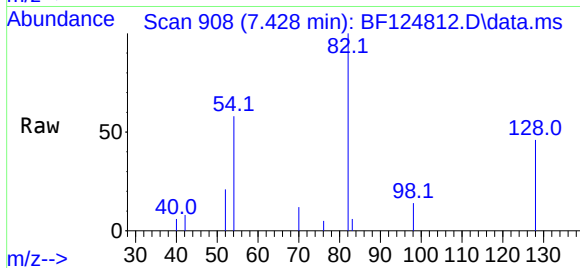
#23
Nitrobenzene-d5
Concen: 14.689 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF124812.D
Acq: 28 Jul 2021 1:25

Tgt Ion:	82	Resp:	6079
Ion	Ratio	Lower	Upper
82	100		
128	45.6	40.6	60.8
54	58.4	49.6	74.4

Instrument :
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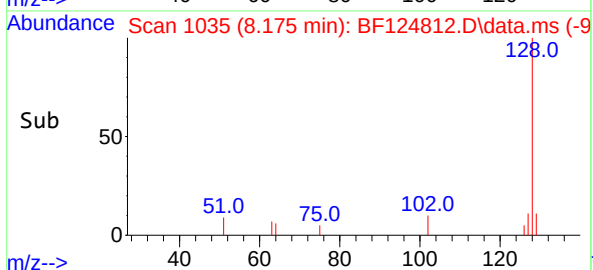
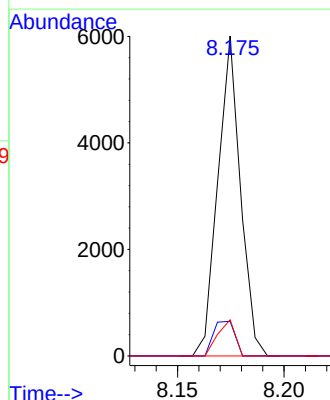
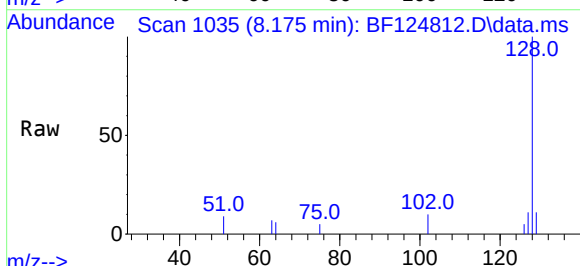
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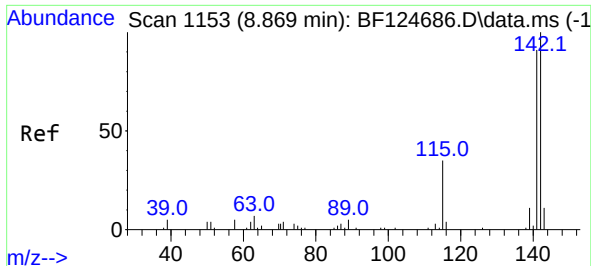
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#31
Naphthalene
Concen: 3.439 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF124812.D
Acq: 28 Jul 2021 1:25

Tgt Ion:	128	Resp:	4421
Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.4	14.0
127	11.3	10.9	16.3





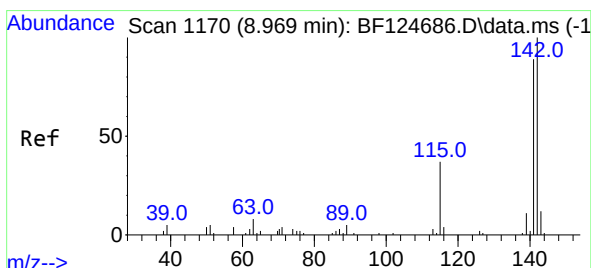
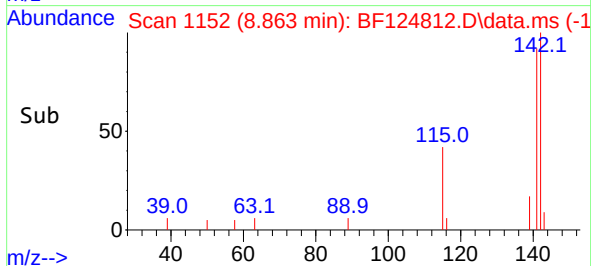
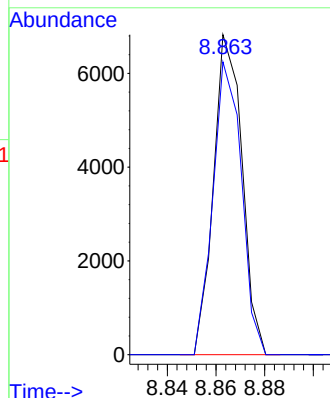
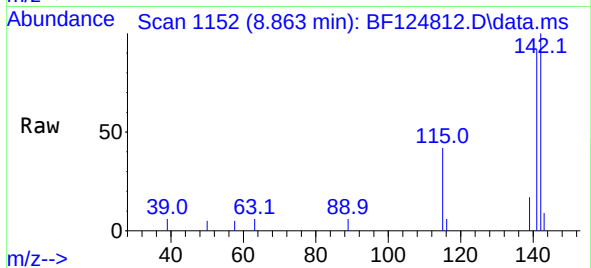
#37
2-Methylnaphthalene
Concen: 6.470 ng
RT: 8.863 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF124812.D
Acq: 28 Jul 2021 1:25

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:142 Resp: 5557
Ion Ratio Lower Upper
142 100
141 91.5 71.2 106.8

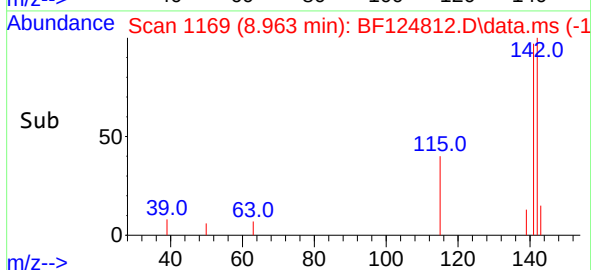
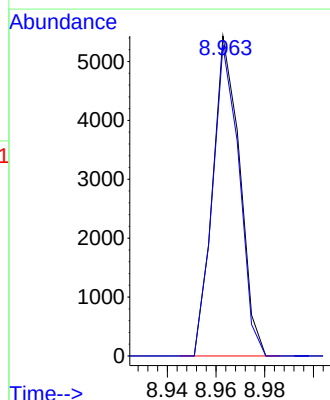
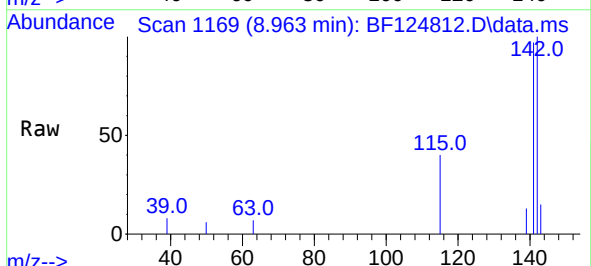
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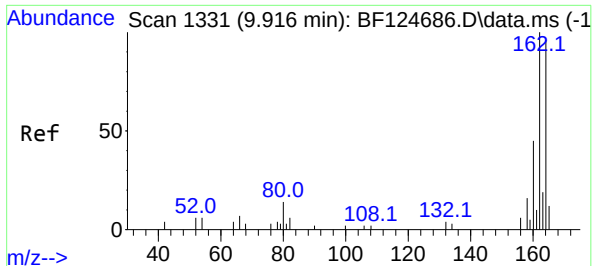
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#38
1-Methylnaphthalene
Concen: 5.140 ng
RT: 8.963 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF124812.D
Acq: 28 Jul 2021 1:25

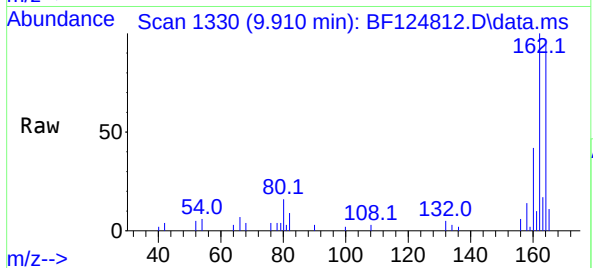
Tgt Ion:142 Resp: 4182
Ion Ratio Lower Upper
142 100
141 97.1 76.0 114.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF124812.D
Acq: 28 Jul 2021 1:25

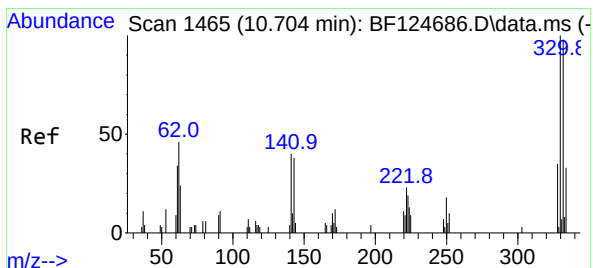
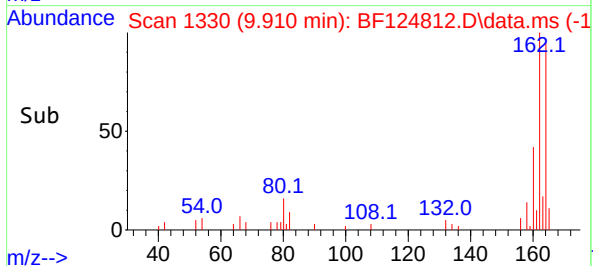
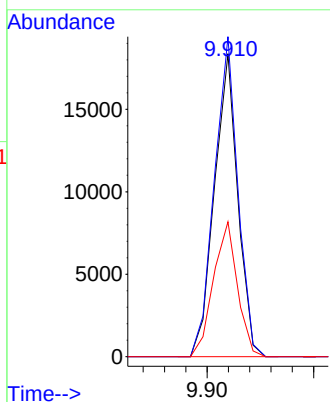
Instrument :
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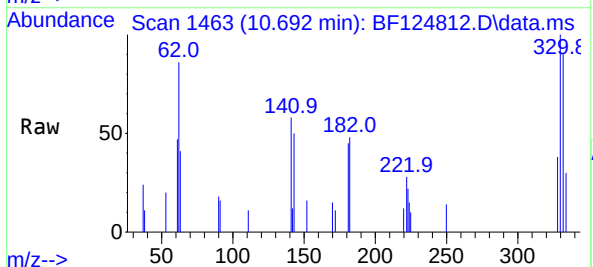
Tgt Ion:164 Resp: 13992
Ion Ratio Lower Upper
164 100
162 105.6 81.3 121.9
160 44.5 38.0 57.0

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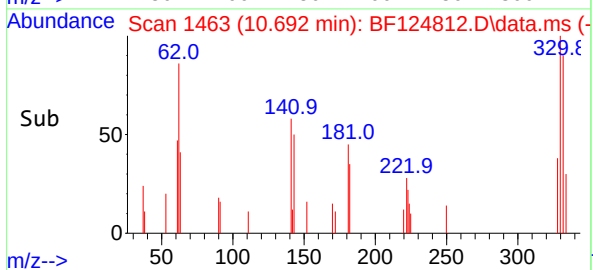
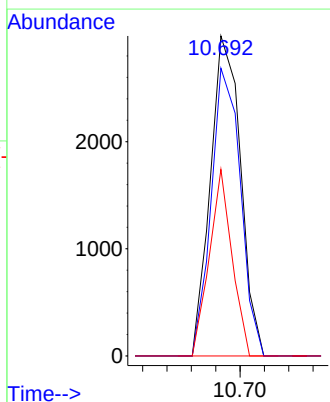
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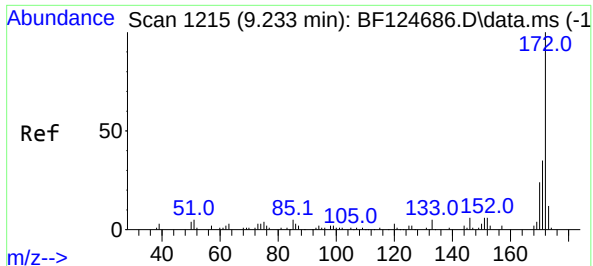


#42
2,4,6-Tribromophenol
Concen: 21.418 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.012 min
Lab File: BF124812.D
Acq: 28 Jul 2021 1:25



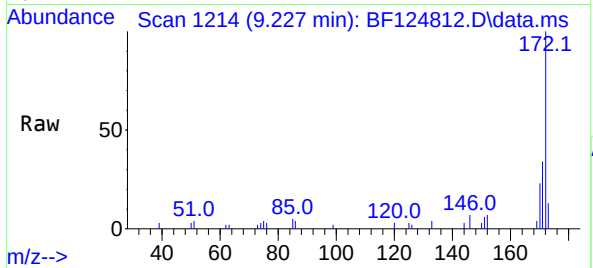
Tgt Ion:330 Resp: 2573
Ion Ratio Lower Upper
330 100
332 87.1 76.2 114.4
141 43.6 44.6 66.8#





#45
2-Fluorobiphenyl
Concen: 14.131 ng
RT: 9.227 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF124812.D
Acq: 28 Jul 2021 1:25

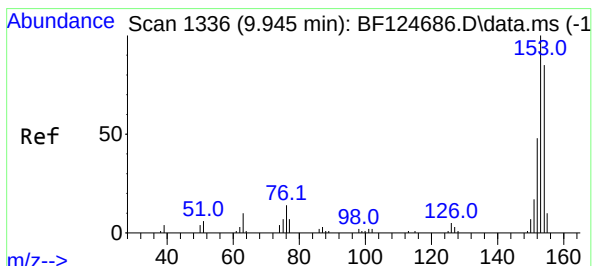
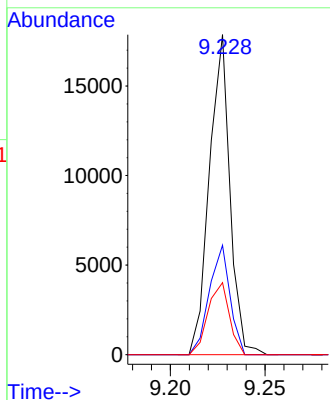
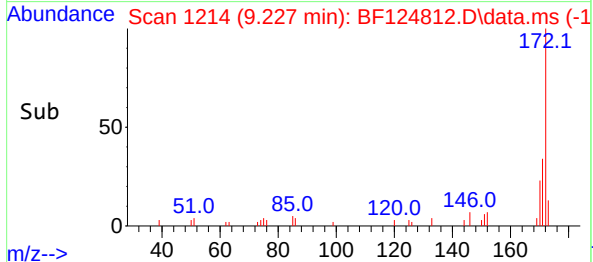
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ClientSampleId :
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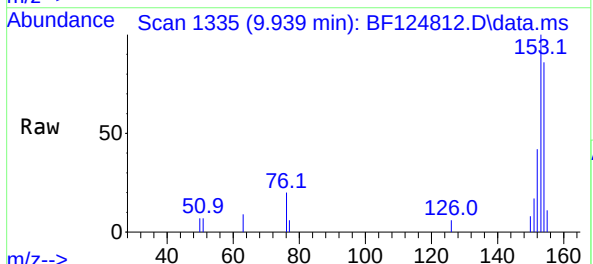
Tgt Ion:172 Resp: 13462
Ion Ratio Lower Upper
172 100
171 34.2 26.5 39.7
170 22.5 18.8 28.2

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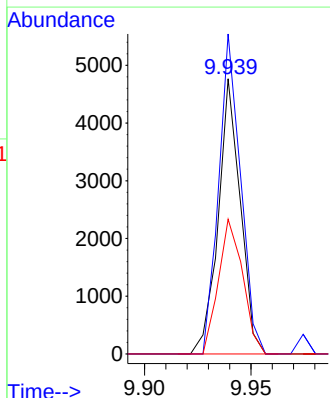
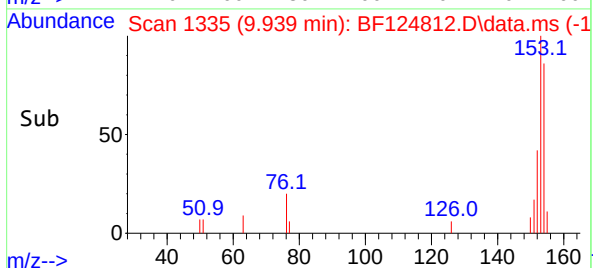
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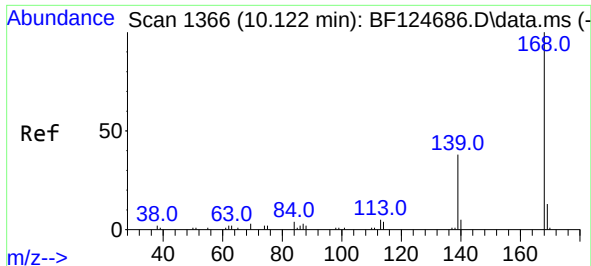


#52
Acenaphthene
Concen: 4.060 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF124812.D
Acq: 28 Jul 2021 1:25



Tgt Ion:154 Resp: 3432
Ion Ratio Lower Upper
154 100
153 116.3 89.4 134.2
152 48.9 40.5 60.7





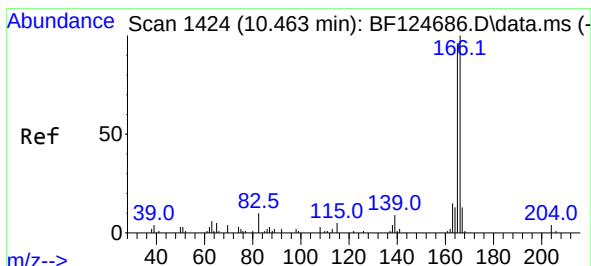
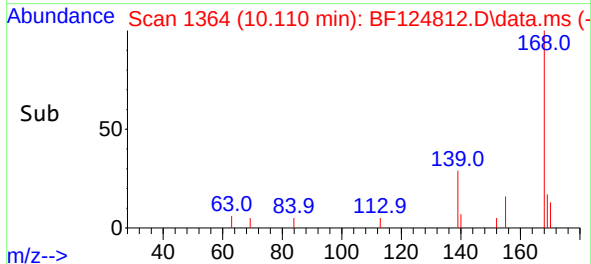
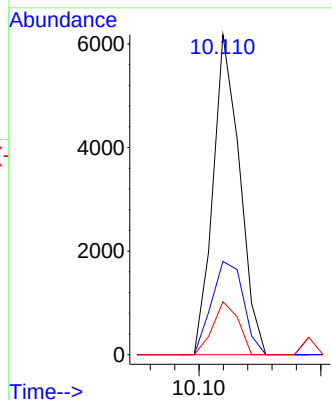
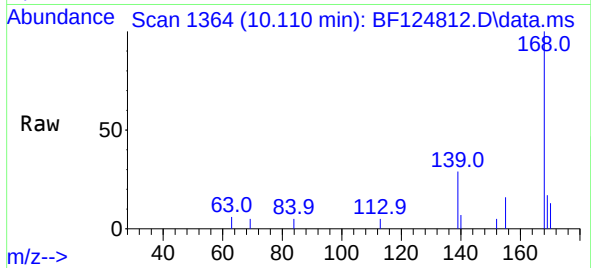
#55
Dibenzenofuran
Concen: 3.887 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.012 min
Lab File: BF124812.D
Acq: 28 Jul 2021 1:25

Tgt Ion:	168	Resp:	4695
Ion	Ratio	Lower	Upper
168	100		
139	29.1	32.7	49.1#
169	16.5	11.2	16.8

Instrument :
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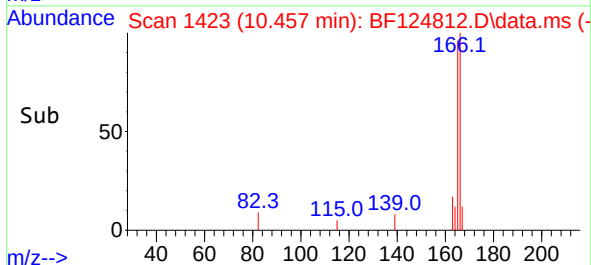
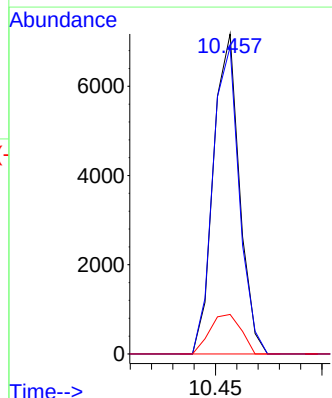
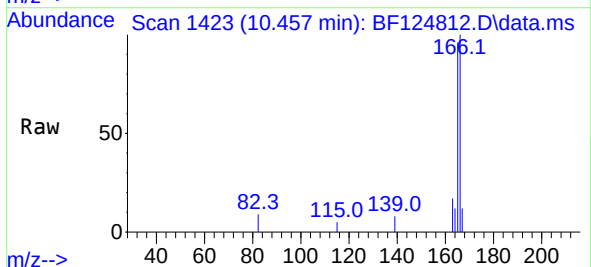
Manual Integrations
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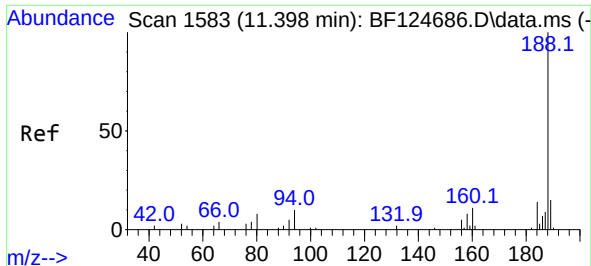
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#58
Fluorene
Concen: 6.550 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF124812.D
Acq: 28 Jul 2021 1:25

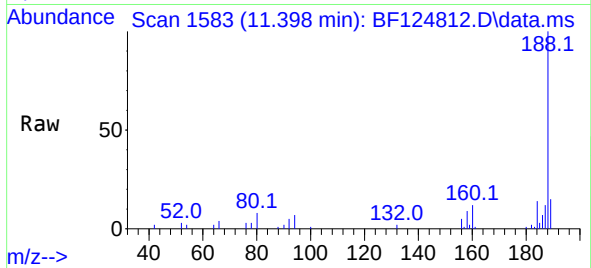
Tgt Ion:	166	Resp:	6069
Ion	Ratio	Lower	Upper
166	100		
165	96.0	78.1	117.1
167	12.3	11.1	16.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF124812.D
Acq: 28 Jul 2021 1:25

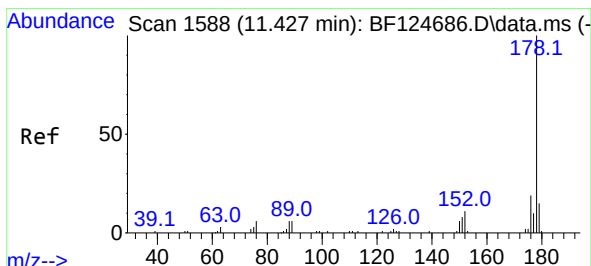
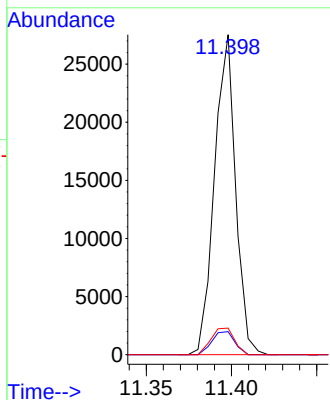
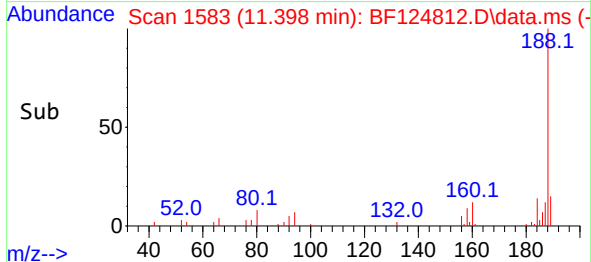
Instrument :
BNA_F
ClientSampleId :
HD-02-072621



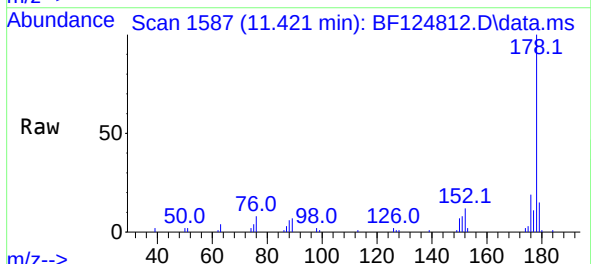
Tgt Ion:188 Resp: 23635
Ion Ratio Lower Upper
188 100
94 7.2 6.7 10.1
80 8.3 7.5 11.3

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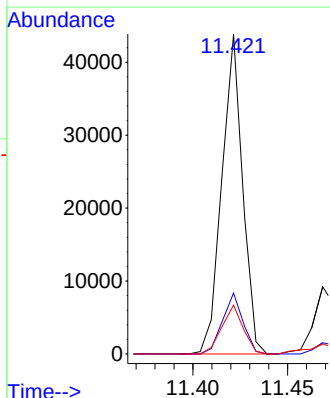
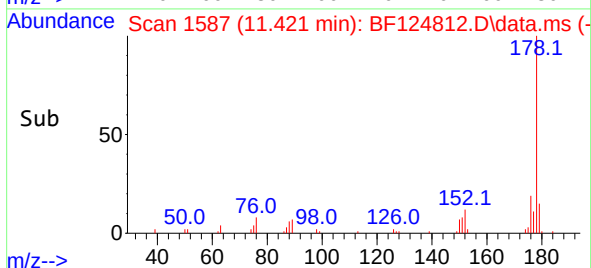
mohammad
7/28/2021 11:32:50 AM

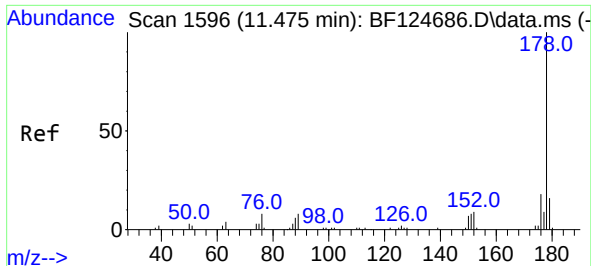


#71
Phenanthrene
Concen: 26.238 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF124812.D
Acq: 28 Jul 2021 1:25



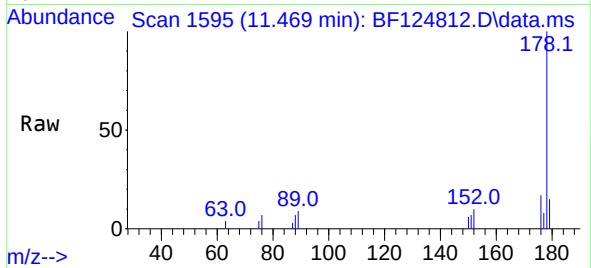
Tgt Ion:178 Resp: 33354
Ion Ratio Lower Upper
178 100
176 19.1 14.7 22.1
179 15.3 11.5 17.3





#72
 Anthracene
 Concen: 6.113 ng
 RT: 11.469 min Scan# 1595
 Delta R.T. -0.006 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

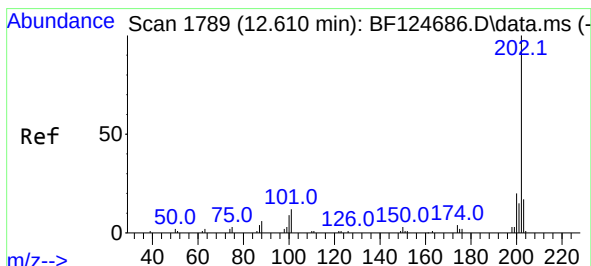
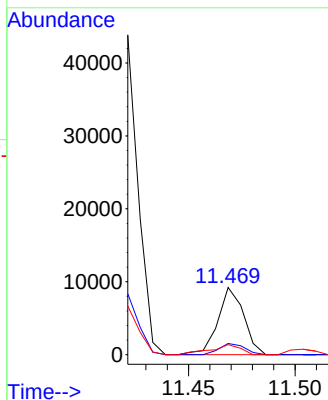
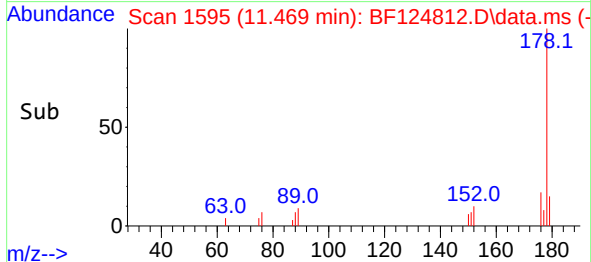
Instrument :
 BNA_F
 ClientSampled :
 HD-02-072621



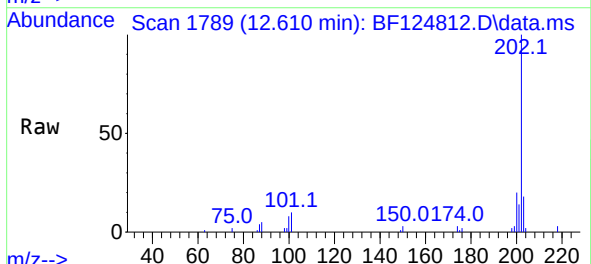
Tgt Ion:178 Resp: 7768
 Ion Ratio Lower Upper
 178 100
 176 16.6 14.3 21.5
 179 15.0 12.2 18.4

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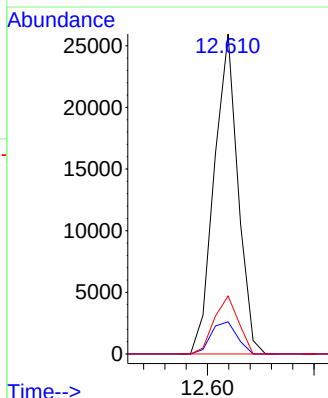
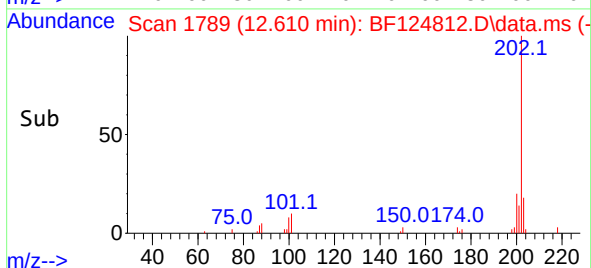
mohammad
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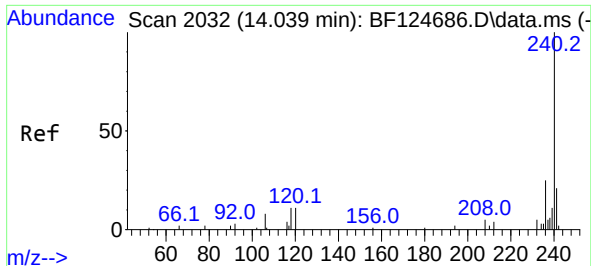


#75
 Fluoranthene
 Concen: 15.509 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. -0.000 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25



Tgt Ion:202 Resp: 20119
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 30.7
 203 18.1 0.0 36.3





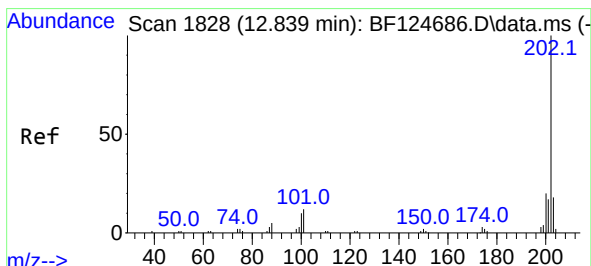
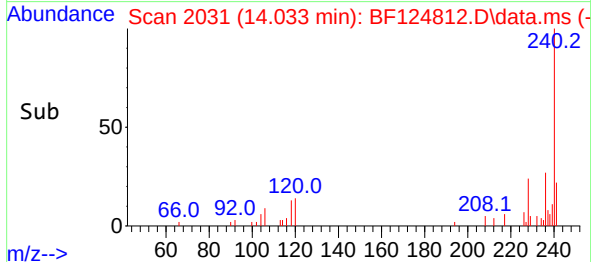
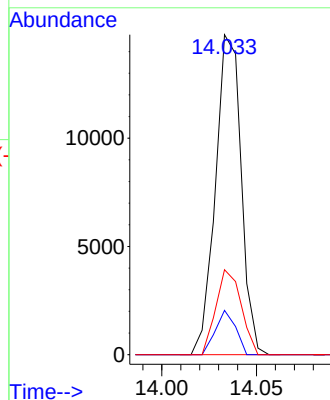
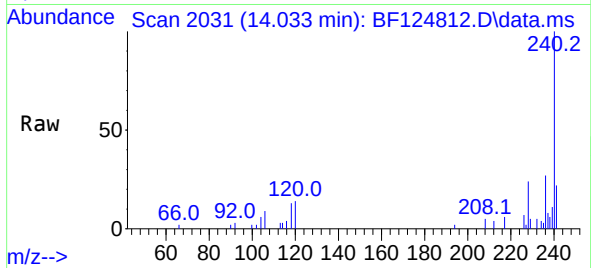
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF124812.D
Acq: 28 Jul 2021 1:25

Tgt Ion:	240	Resp:	13950
Ion Ratio	Lower	Upper	
240	100		
120	13.9	10.8	16.2
236	26.5	21.6	32.4

Instrument :
BNA_F
ClientSampleId :
HD-02-072621

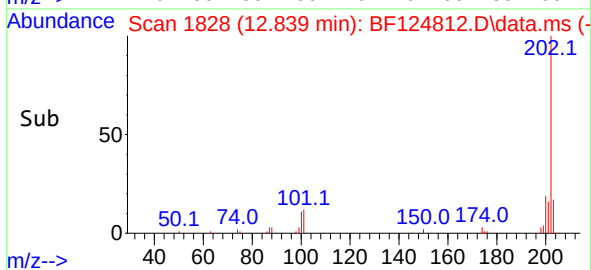
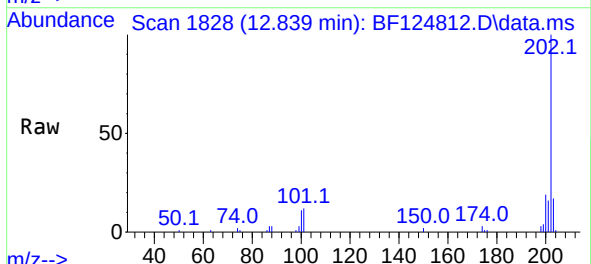
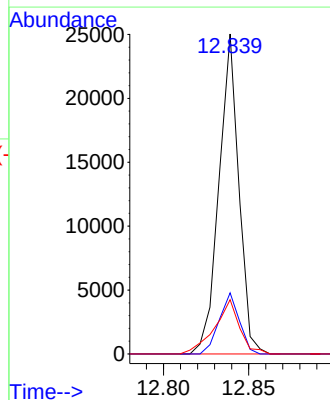
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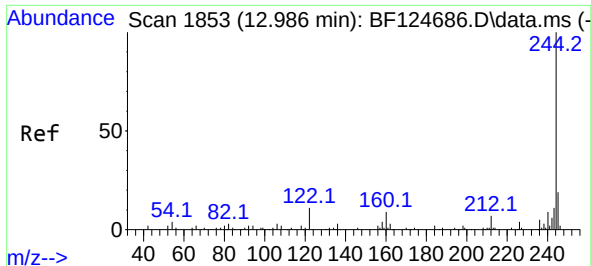
mohammad
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#78
Pyrene
Concen: 18.412 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BF124812.D
Acq: 28 Jul 2021 1:25

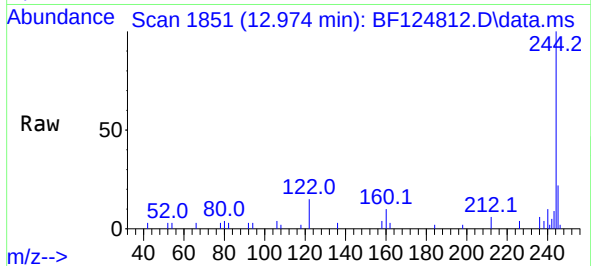
Tgt Ion:	202	Resp:	20334
Ion Ratio	Lower	Upper	
202	100		
200	19.1	15.3	22.9
203	16.9	13.4	20.0





#79
 Terphenyl-d14
 Concen: 15.265 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.012 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

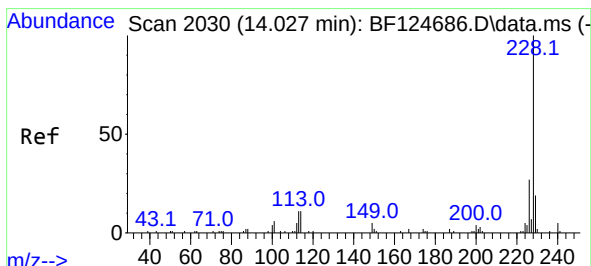
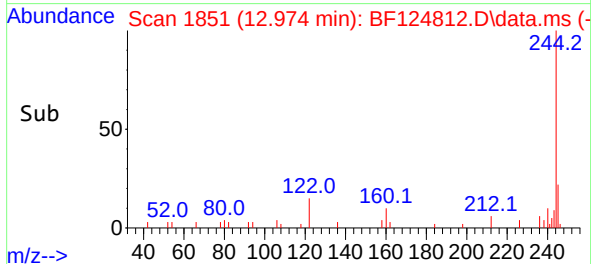
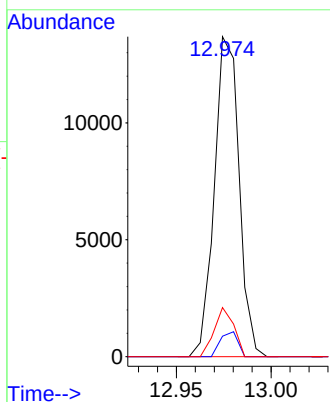
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072621



Tgt Ion:244 Resp: 12423
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.9 8.9
 122 15.4 9.0 13.4#

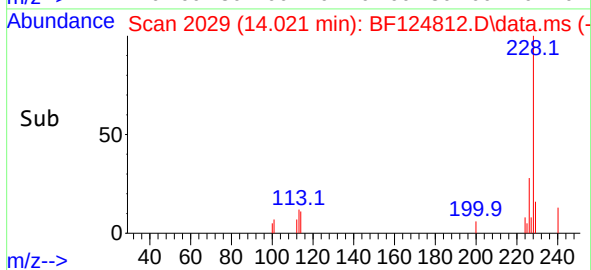
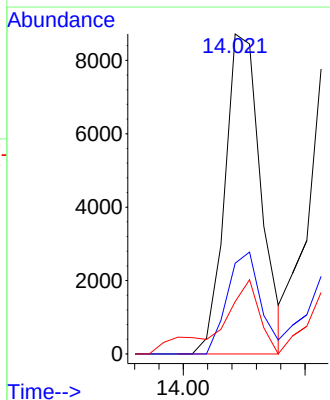
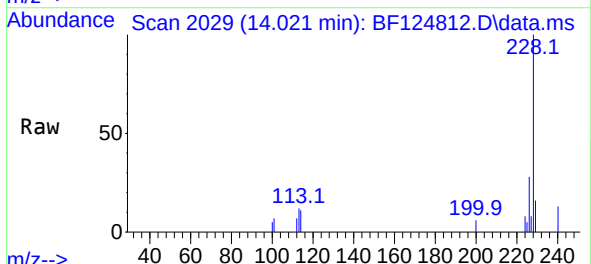
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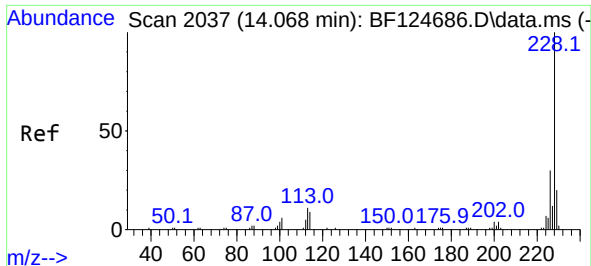
mohammad
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#81
 Benzo(a)anthracene
 Concen: 9.818 ng
 RT: 14.021 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

Tgt Ion:228 Resp: 8953
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.6 32.4
 229 16.3 15.6 23.4





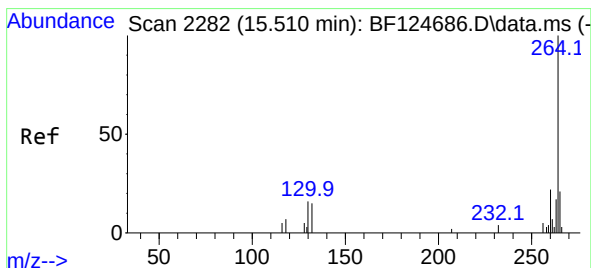
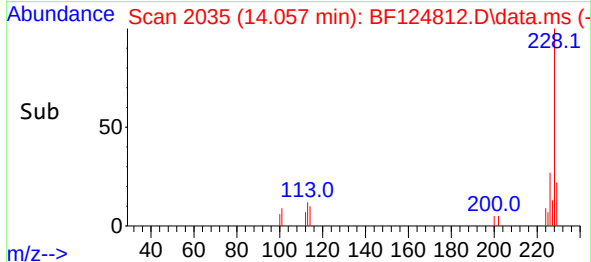
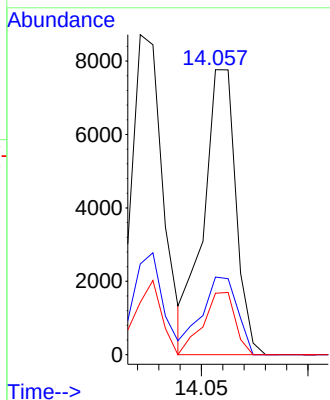
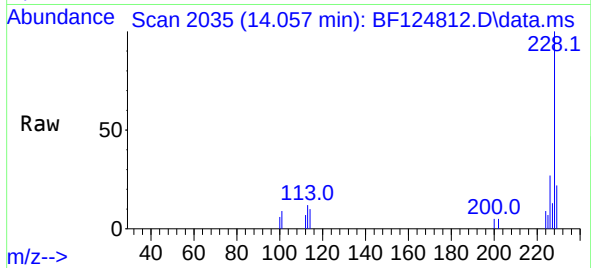
#83
Chrysene
Concen: 9.375 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF124812.D
Acq: 28 Jul 2021 1:25

Instrument :
BNA_F
ClientSampleId :
HD-02-072621

Tgt Ion:228	Resp: 8236
Ion Ratio	Lower Upper
228 100	
226 27.2	22.6 34.0
229 21.5	15.9 23.9

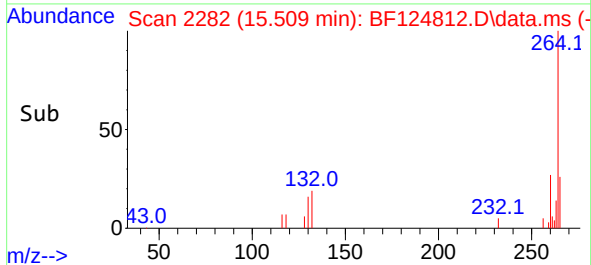
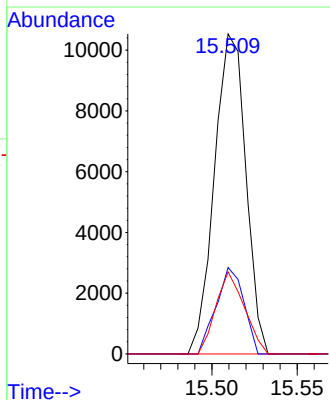
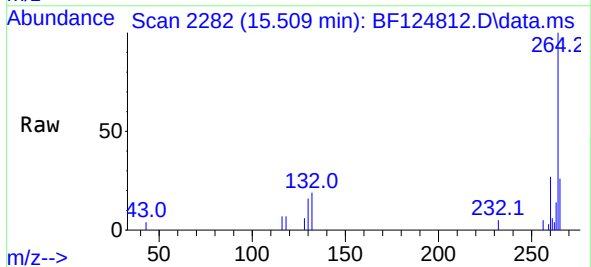
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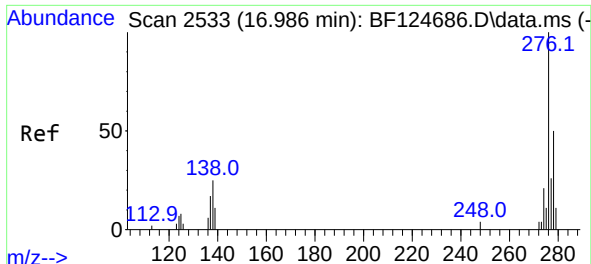
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2282
Delta R.T. -0.000 min
Lab File: BF124812.D
Acq: 28 Jul 2021 1:25

Tgt Ion:264	Resp: 13498
Ion Ratio	Lower Upper
264 100	
260 27.0	19.6 29.4
265 25.7	17.2 25.8





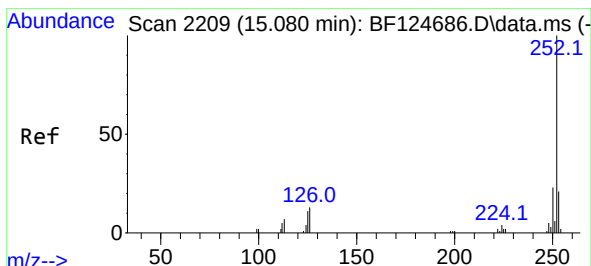
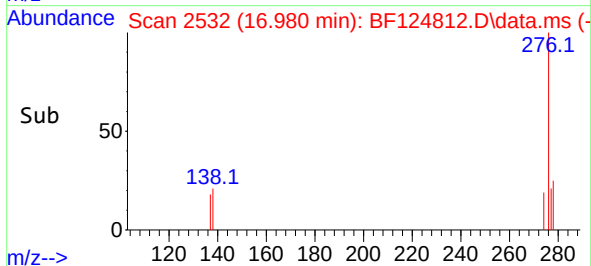
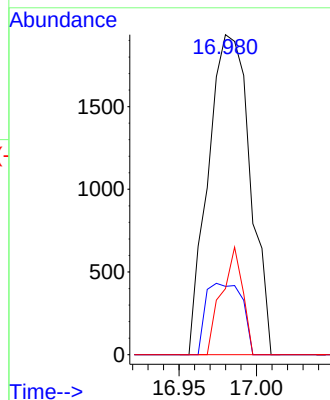
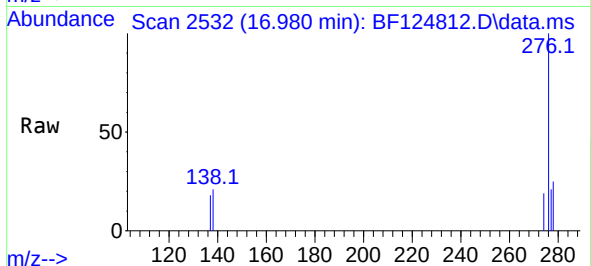
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.663 ng
RT: 16.980 min Scan# 2532
Delta R.T. -0.006 min
Lab File: BF124812.D
Acq: 28 Jul 2021 1:25

Tgt Ion: 276 Resp: 3634
Ion Ratio Lower Upper
276 100
138 19.3 24.1 36.1#
277 17.0 18.8 28.2#

Instrument :
BNA_F
ClientSampled :
HD-02-072621

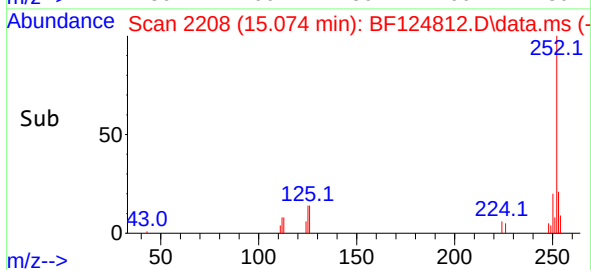
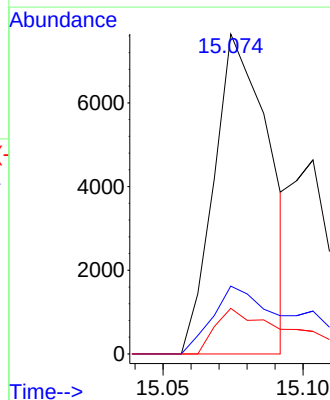
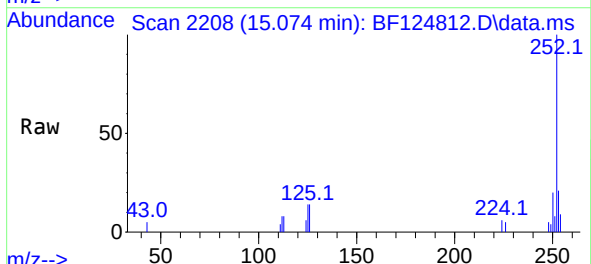
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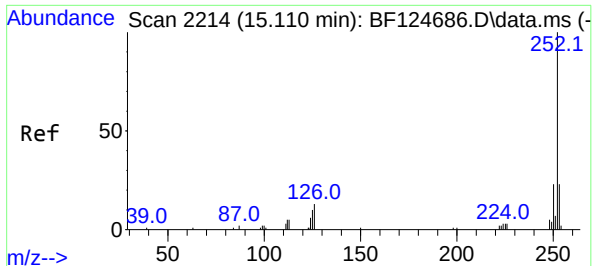
mohammad
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#88
Benzo(b)fluoranthene
Concen: 10.973 ng m
RT: 15.074 min Scan# 2208
Delta R.T. -0.006 min
Lab File: BF124812.D
Acq: 28 Jul 2021 1:25

Tgt Ion: 252 Resp: 10428
Ion Ratio Lower Upper
252 100
253 21.2 16.8 25.2
125 14.3 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 4.874 ng m

RT: 15.104 min Scan# 2213

Delta R.T. -0.006 min

Lab File: BF124812.D

Acq: 28 Jul 2021 1:25

Tgt Ion:	252	Resp:	4232
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.8	26.8
125	11.6	7.2	10.8#

Instrument :

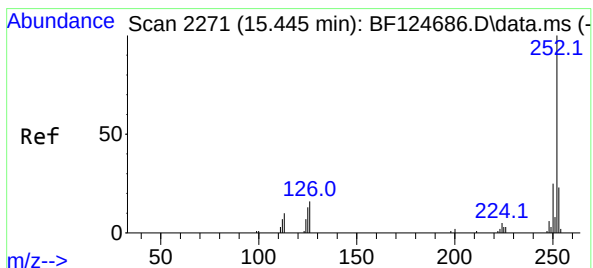
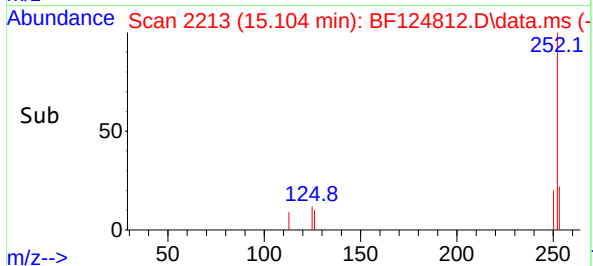
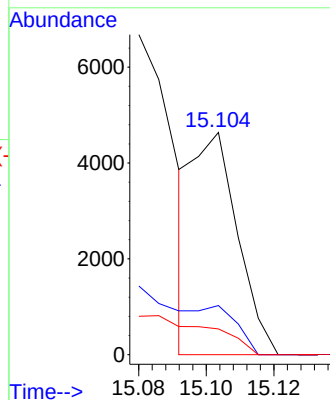
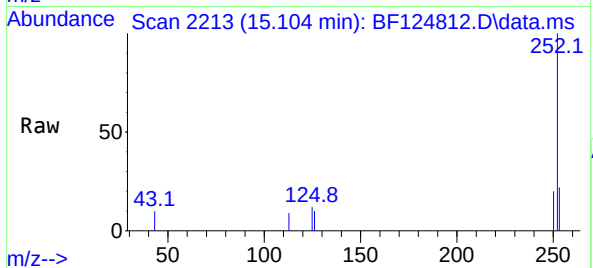
BNA_F

ClientSampleId :

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#90

Benzo(a)pyrene

Concen: 10.033 ng

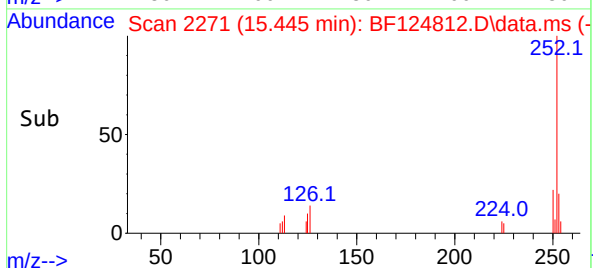
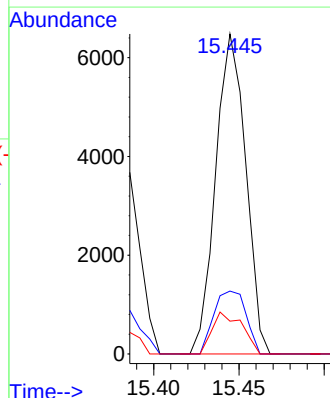
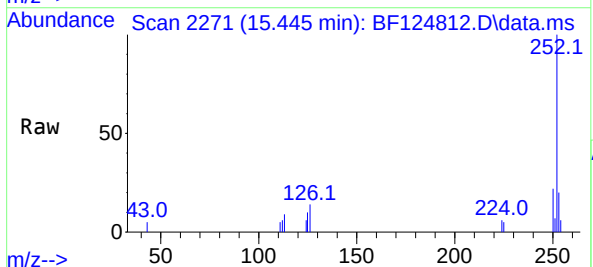
RT: 15.445 min Scan# 2271

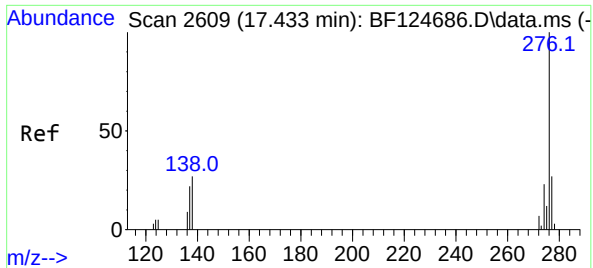
Delta R.T. -0.000 min

Lab File: BF124812.D

Acq: 28 Jul 2021 1:25

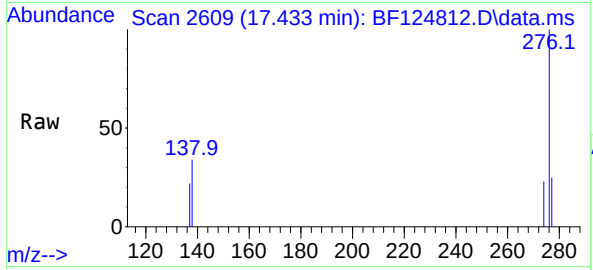
Tgt Ion:	252	Resp:	7965
Ion Ratio	Lower	Upper	
252	100		
253	19.7	18.4	27.6
125	10.3	9.9	14.9





#92
 Benzo(g,h,i)perylene
 Concen: 4.809 ng
 RT: 17.433 min Scan# 2609
 Delta R.T. -0.000 min
 Lab File: BF124812.D
 Acq: 28 Jul 2021 1:25

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072621



Tgt Ion: 276 Resp: 3111

Ion	Ratio	Lower	Upper
276	100		
277	25.1	22.0	33.0
138	33.5	22.2	33.4#

Manual Integrations
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