

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112520\
 Data File : BF122483.D
 Acq On : 25 Nov 2020 14:20
 Operator : JU/CG
 Sample : L4891-03 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B3-112420-0-10

Manual Integrations
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mohammad
 11/27/2020 11:42:20 AM

Quant Time: Nov 25 15:13:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 24 14:38:56 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	209277	20.00	ng	0.00
21) Naphthalene-d8	8.139	136	833545	20.00	ng	0.00
39) Acenaphthene-d10	9.898	164	445495	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	787689	20.00	ng	0.00
76) Chrysene-d12	14.027	240	505286	20.00	ng	0.00
86) Perylene-d12	15.498	264	559128	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	620747	45.55	ng	0.00
7) Phenol-d6	6.487	99	786394	44.11	ng	-0.01
23) Nitrobenzene-d5	7.416	82	490181	36.00	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	228659	47.82	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	931750	32.68	ng	0.00
79) Terphenyl-d14	12.968	244	860644	36.08	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.163	128	477169	10.77	ng	99
37) 2-Methylnaphthalene	8.851	142	133775	4.57	ng	99
38) 1-Methylnaphthalene	8.951	142	99870	3.64	ng	99
49) Acenaphthylene	9.757	152	127517	2.95	ng	99
50) Dimethylphthalate	9.610	163	176108	5.56	ng	100
52) Acenaphthene	9.928	154	185125	6.91	ng	100
55) Dibenzofuran	10.098	168	305649	7.79	ng	98
58) Fluorene	10.445	166	264141	8.79	ng	98
71) Phenanthrene	11.416	178	2516448	56.31	ng	98
72) Anthracene	11.457	178	482473	10.47	ng	98
73) Carbazole	11.610	167	242242	5.78	ng	99
75) Fluoranthene	12.604	202	2065969	44.28	ng	97
78) Pyrene	12.833	202	1829136	51.53	ng	99
81) Benzo(a)anthracene	14.015	228	643374	20.47	ng	98
83) Chrysene	14.051	228	593230	18.74	ng	98
87) Indeno(1,2,3-cd)pyrene	16.956	276	336157m	10.02	ng	
88) Benzo(b)fluoranthene	15.068	252	745686m	20.59	ng	
89) Benzo(k)fluoranthene	15.092	252	211810m	6.00	ng	
90) Benzo(a)pyrene	15.433	252	554441	17.56	ng	97
91) Dibenzo(a,h)anthracene	16.968	278	75462m	2.69	ng	
92) Benzo(g,h,i)perylene	17.398	276	296240	10.84	ng	98

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

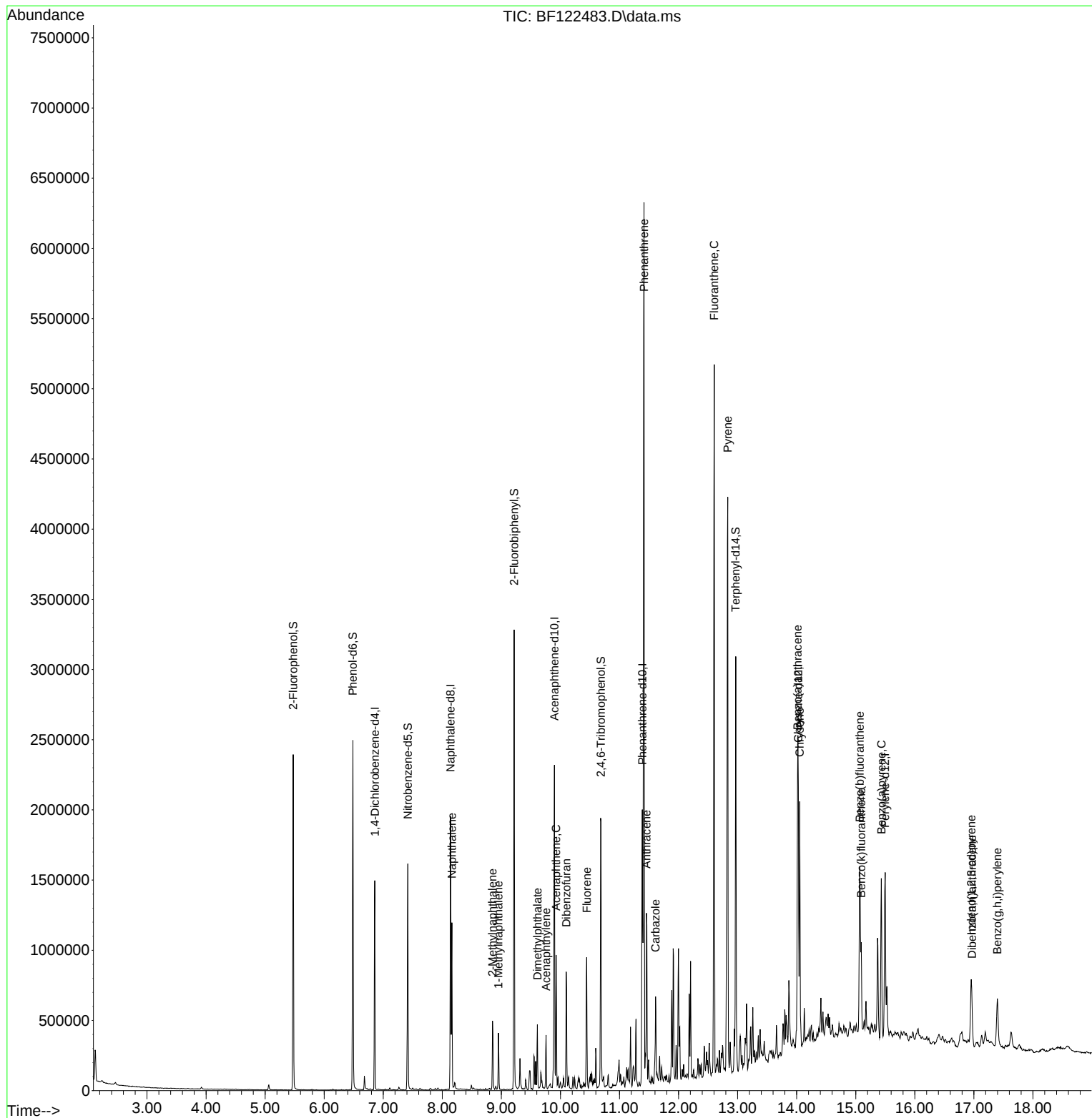
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112520\
Data File : BF122483.D
Acq On : 25 Nov 2020 14:20
Operator : JU/CG
Sample : L4891-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

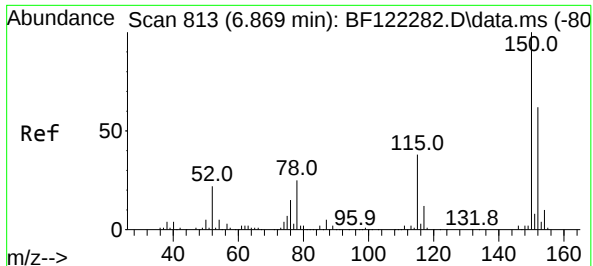
Instrument :
BNA_F
ClientSampleId :
PAV-B3-112420-0-10

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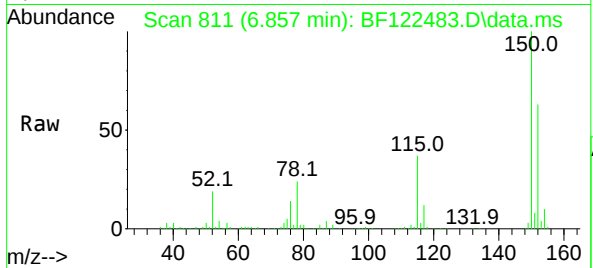
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 24 14:38:56 2020
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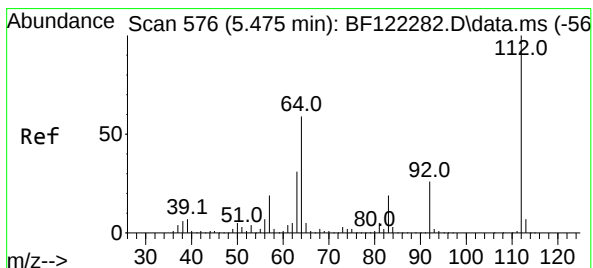
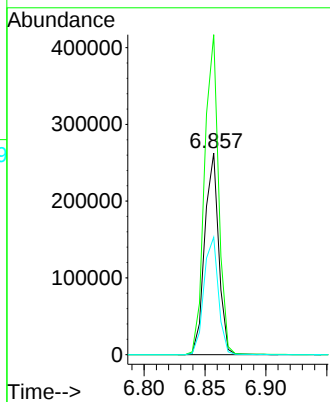
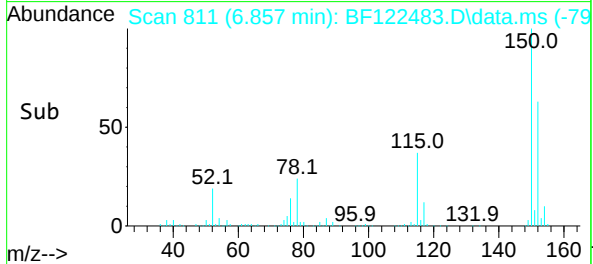




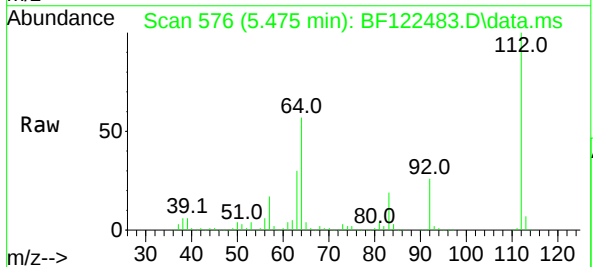
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20



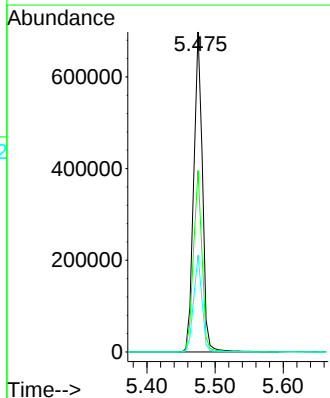
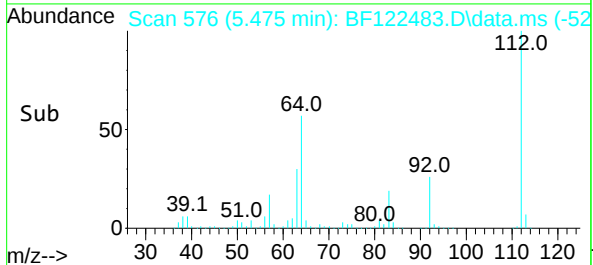
Tgt Ion:152 Resp: 209277
Ion Ratio Lower Upper
152 100
150 158.7 125.3 187.9
115 58.2 51.9 77.9



#5
2-Fluorophenol
Concen: 45.55 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20



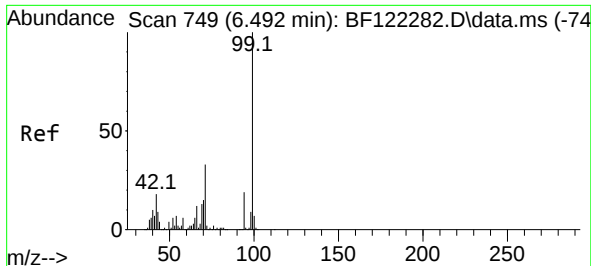
Tgt Ion:112 Resp: 620747
Ion Ratio Lower Upper
112 100
64 56.7 50.4 75.6
63 30.2 25.8 38.6



Instrument :
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ClientSampleId :
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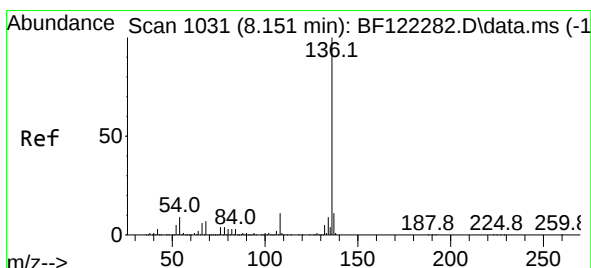
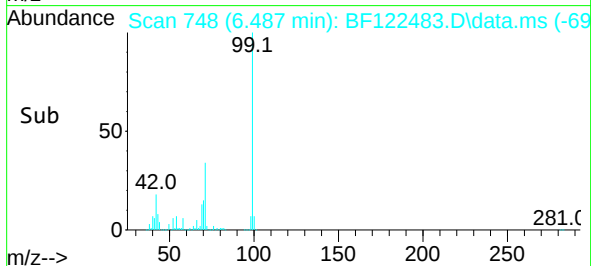
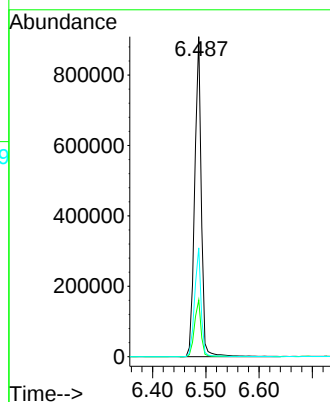
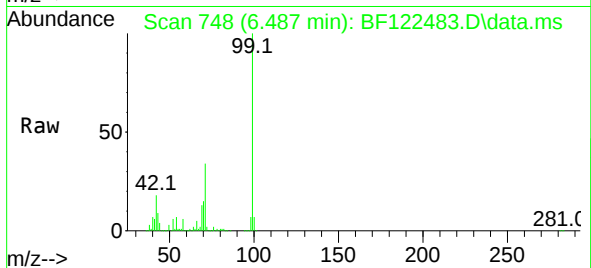
#7
Phenol-d6
Concen: 44.11 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20

Tgt Ion: 99 Resp: 786394
Ion Ratio Lower Upper
99 100
42 17.7 15.9 23.9
71 34.0 27.1 40.7

Instrument :
BNA_F
ClientSampleId :
PAV-B3-112420-0-10

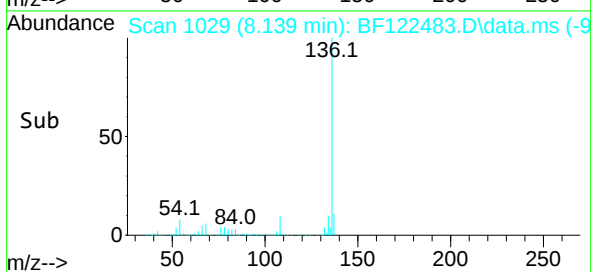
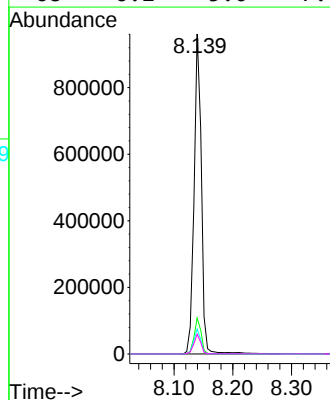
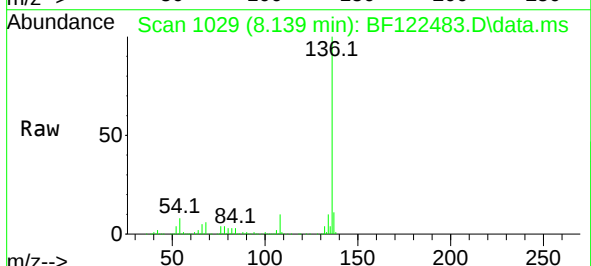
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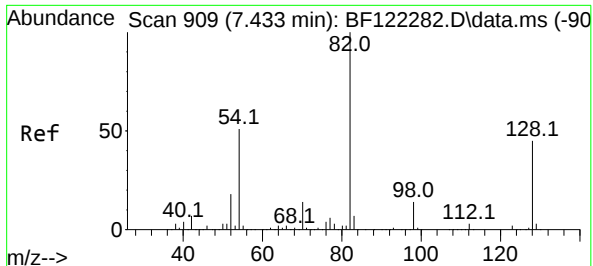
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20

Tgt Ion: 136 Resp: 833545
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 7.8 7.1 10.7
68 6.2 5.0 7.4





#23

Nitrobenzene-d5

Concen: 36.00 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF122483.D

Acq: 25 Nov 2020 14:20

Tgt Ion: 82 Resp: 490181

Ion Ratio Lower Upper

82 100

128 46.0 35.0 52.4

54 47.5 43.9 65.9

Instrument :

BNA_F

ClientSampleId :

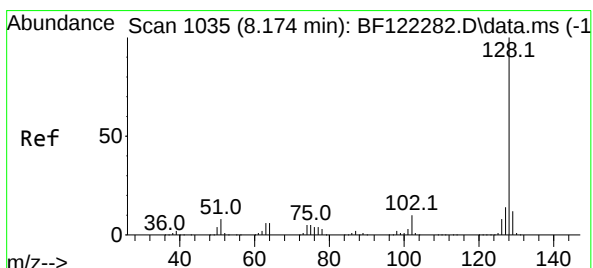
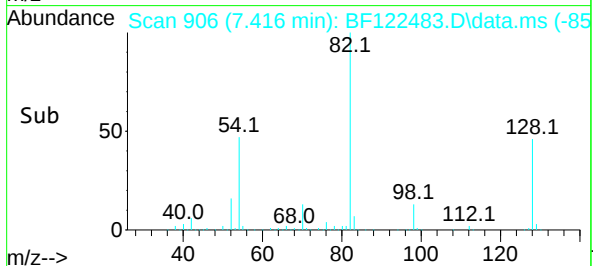
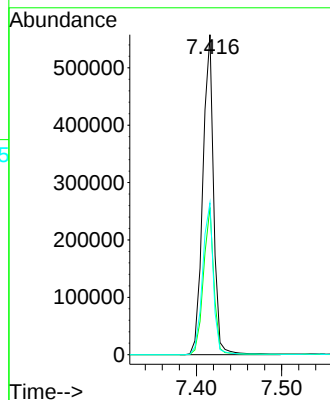
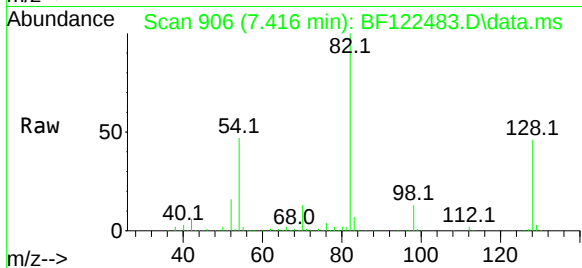
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#31

Naphthalene

Concen: 10.77 ng

RT: 8.163 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF122483.D

Acq: 25 Nov 2020 14:20

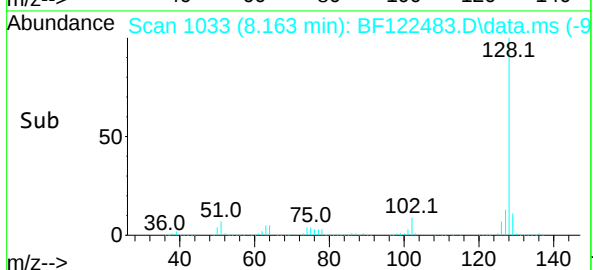
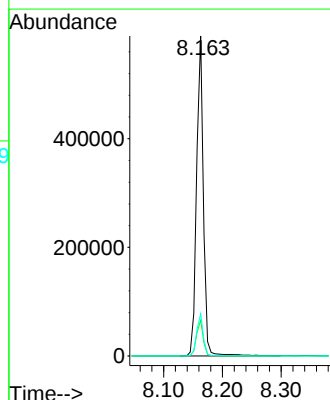
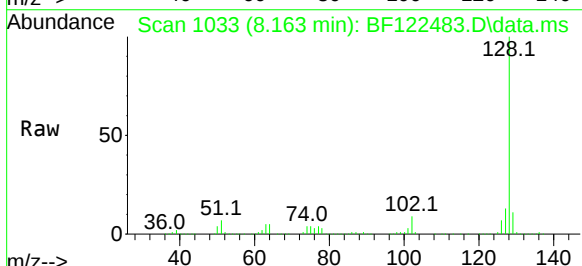
Tgt Ion: 128 Resp: 477169

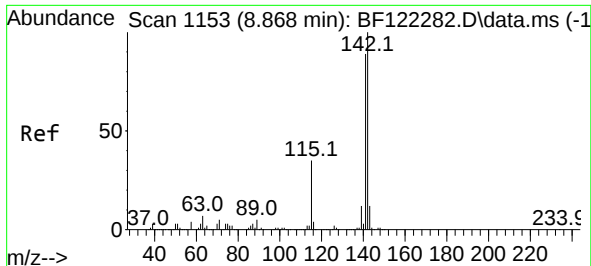
Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

127 13.2 10.8 16.2





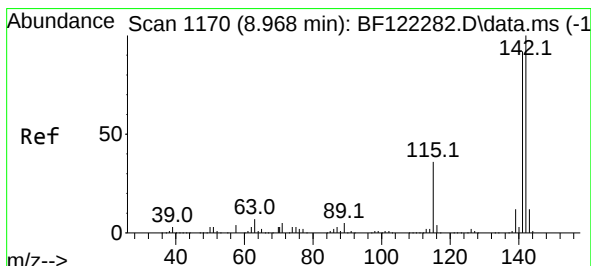
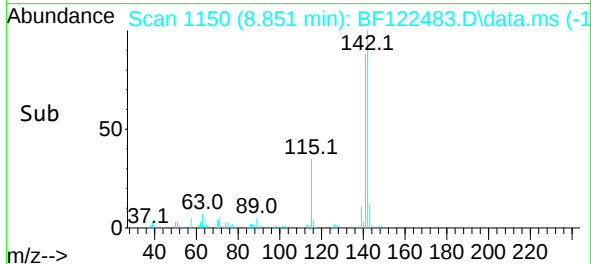
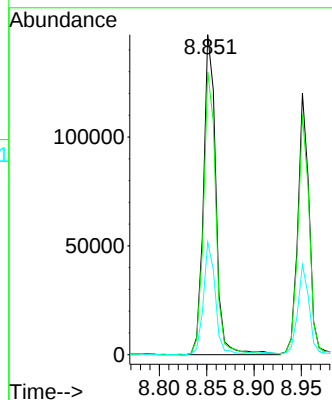
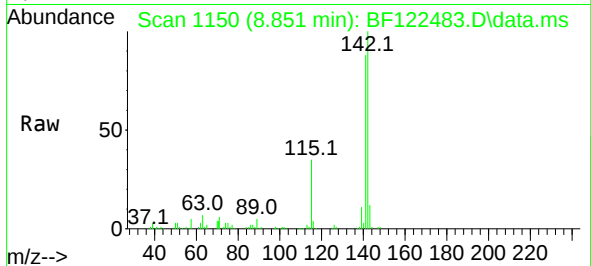
#37
2-Methylnaphthalene
Concen: 4.57 ng
RT: 8.851 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20

Tgt Ion:142 Resp: 133775
Ion Ratio Lower Upper
142 100
141 88.4 70.2 105.4
115 35.2 28.6 43.0

Instrument :
BNA_F
ClientSampleId :
PAV-B3-112420-0-10

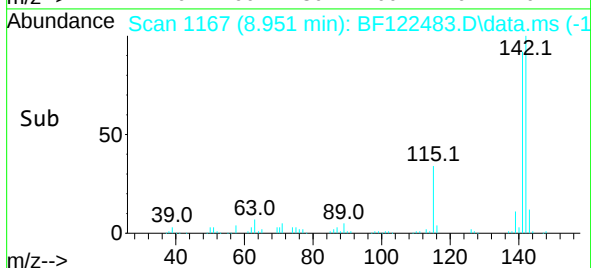
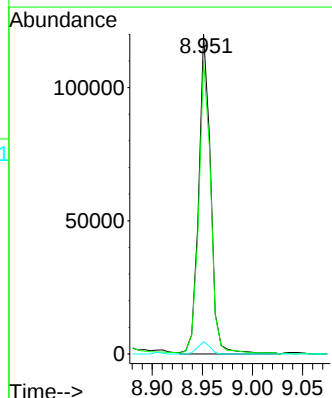
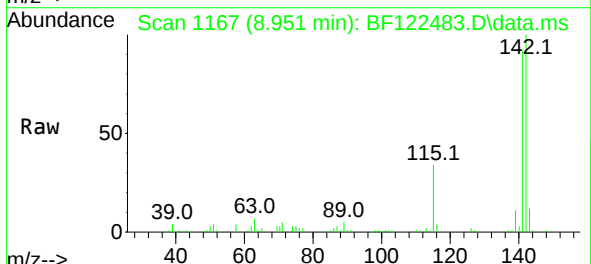
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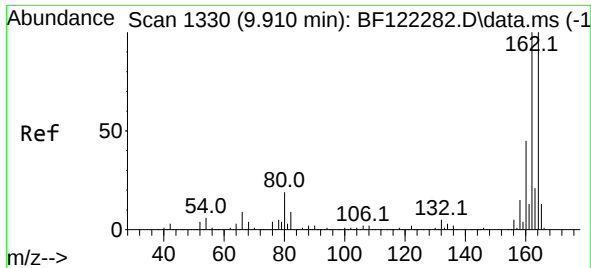
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#38
1-Methylnaphthalene
Concen: 3.64 ng
RT: 8.951 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20

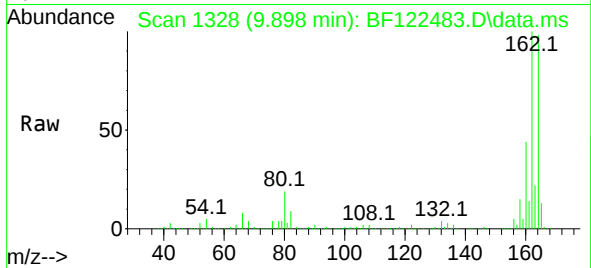
Tgt Ion:142 Resp: 99870
Ion Ratio Lower Upper
142 100
141 91.8 74.5 111.7
116 3.8 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20

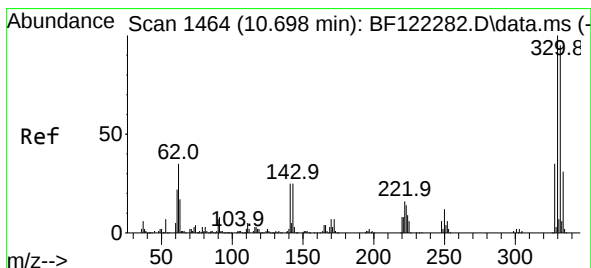
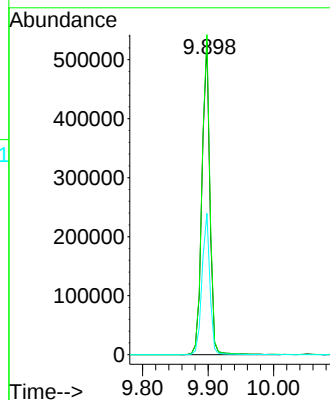
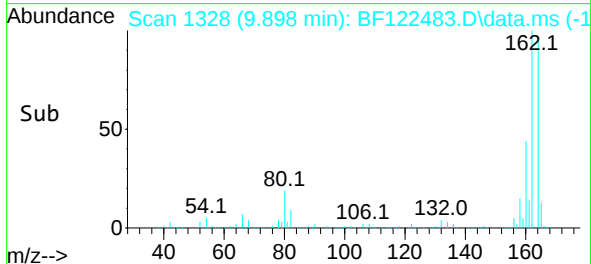
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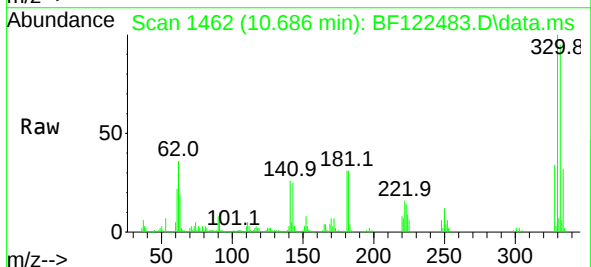
Tgt Ion:164 Resp: 445495
Ion Ratio Lower Upper
164 100
162 102.4 83.2 124.8
160 45.3 37.5 56.3

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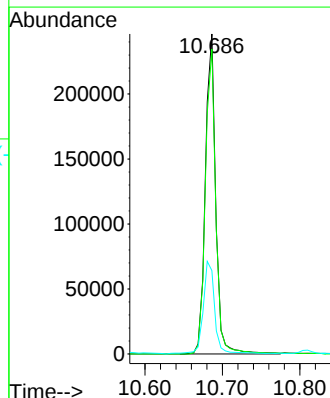
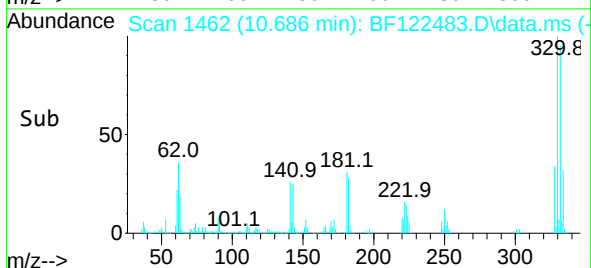
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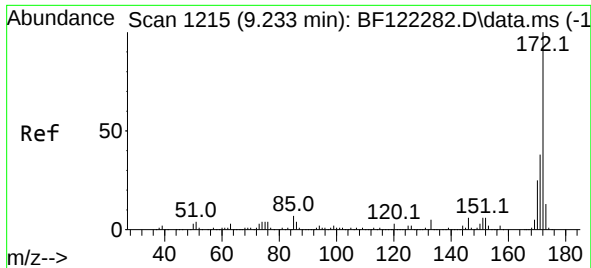


#42
2,4,6-Tribromophenol
Concen: 47.82 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20



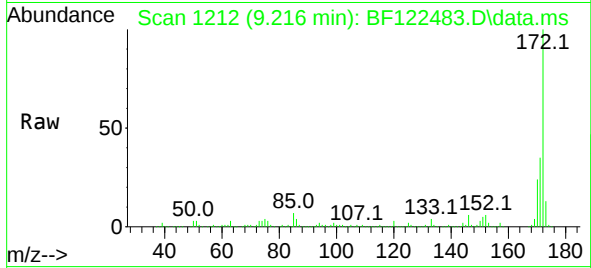
Tgt Ion:330 Resp: 228659
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 32.4 22.3 33.5





#45
2-Fluorobiphenyl
Concen: 32.68 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20

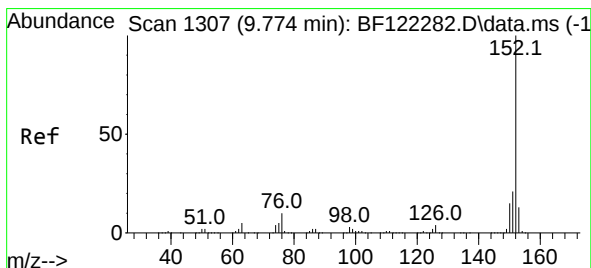
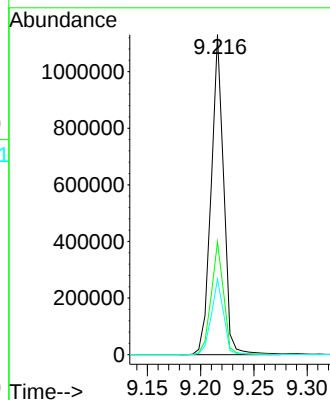
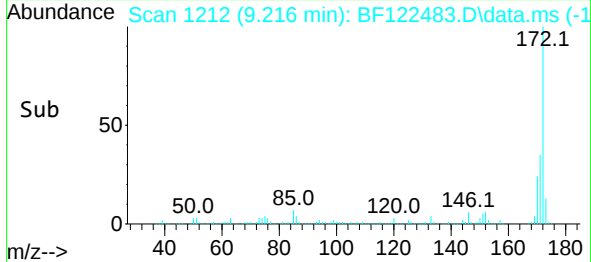
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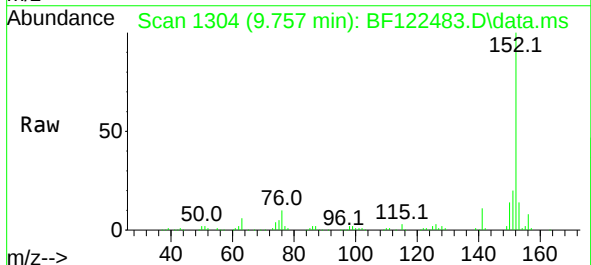
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Ion Ratio Lower Upper
172 100
171 35.3 29.1 43.7
170 23.6 19.8 29.6

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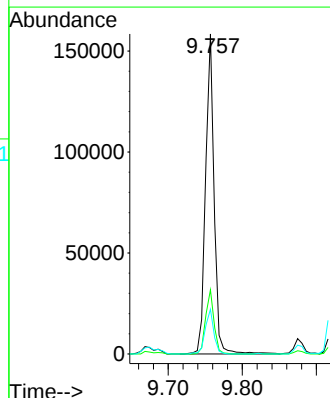
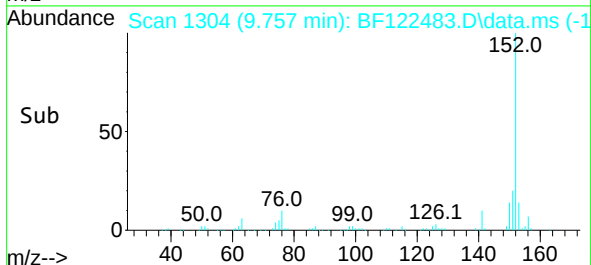
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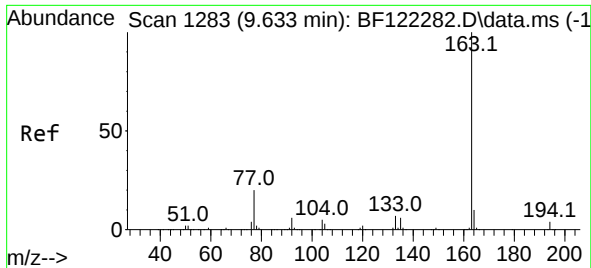


#49
Acenaphthylene
Concen: 2.95 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20

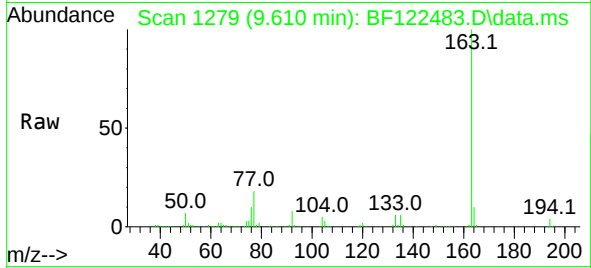


Tgt Ion:152 Resp: 127517
Ion Ratio Lower Upper
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151 20.1 16.4 24.6
153 13.9 10.6 15.8

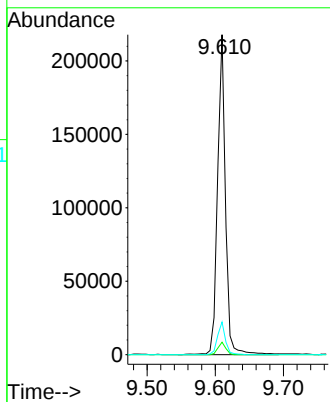
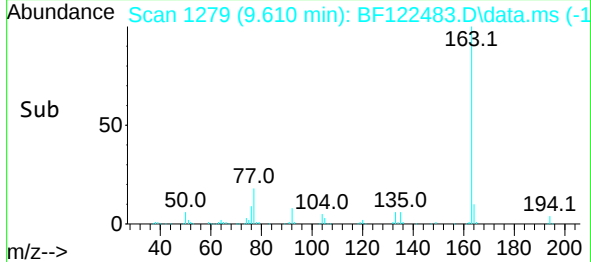




#50
Dimethylphthalate
Concen: 5.56 ng
RT: 9.610 min Scan# 1279
Delta R.T. -0.018 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20



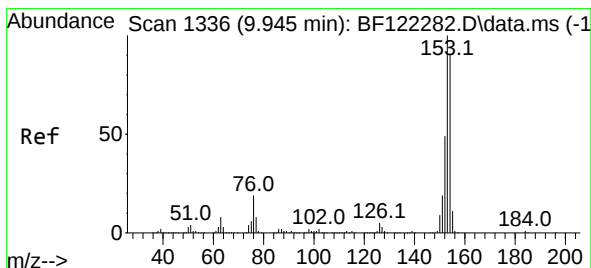
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Ion Ratio Lower Upper
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164 10.2 8.2 12.4



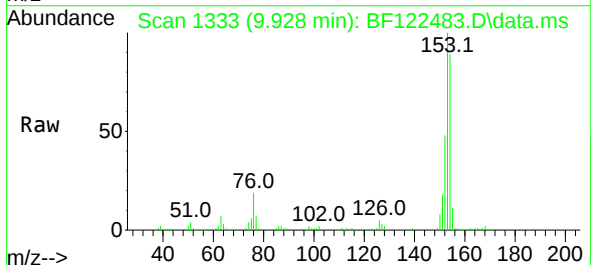
Instrument :
BNA_F
ClientSampleId :
PAV-B3-112420-0-10

Manual Integrations
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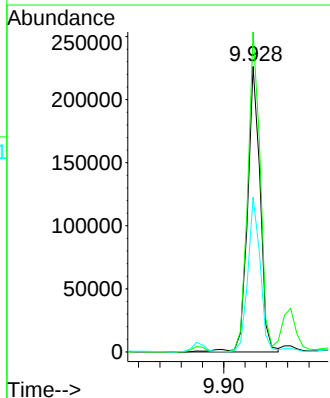
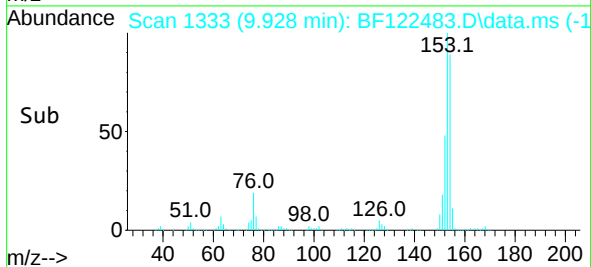
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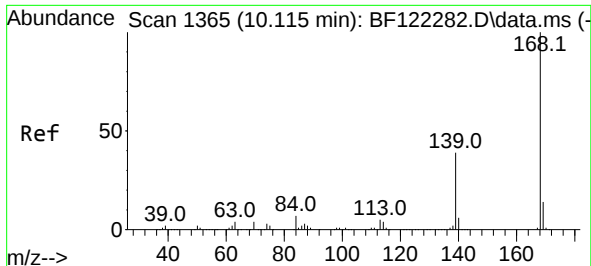


#52
Acenaphthene
Concen: 6.91 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20



Tgt Ion:154 Resp: 185125
Ion Ratio Lower Upper
154 100
153 112.0 89.8 134.8
152 54.2 43.2 64.8





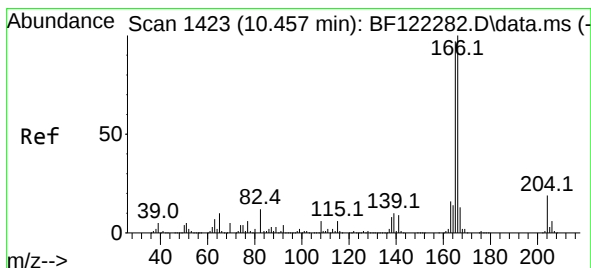
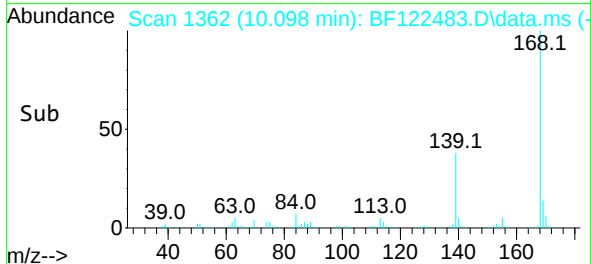
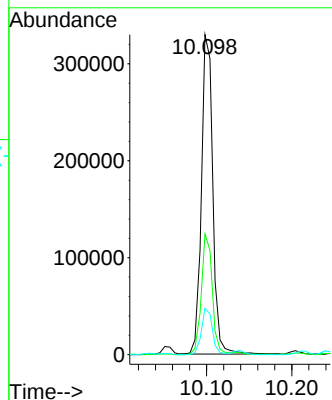
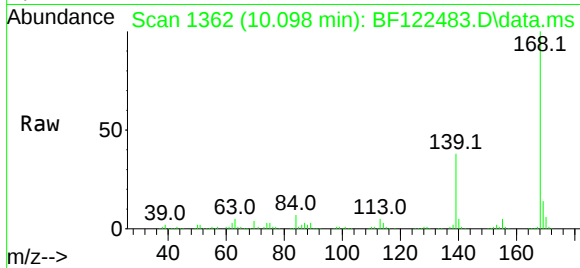
#55
Dibenzenofuran
Concen: 7.79 ng
RT: 10.098 min Scan# 1362
Delta R.T. -0.012 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20

Tgt Ion:168 Resp: 305649
Ion Ratio Lower Upper
168 100
139 37.7 31.0 46.6
169 14.5 11.3 16.9

Instrument :
BNA_F
ClientSampleId :
PAV-B3-112420-0-10

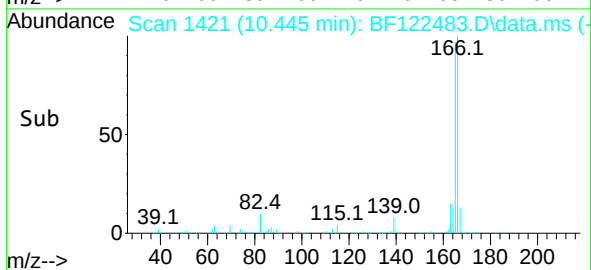
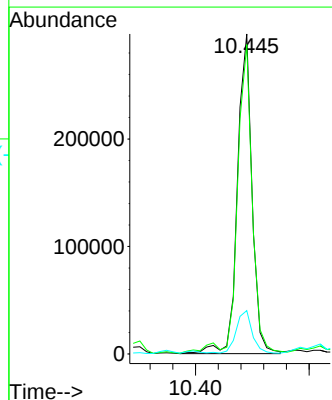
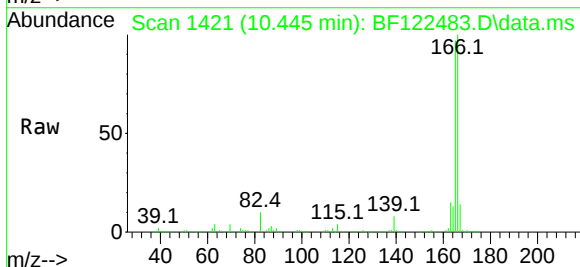
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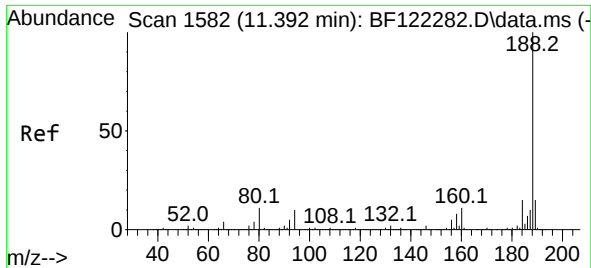
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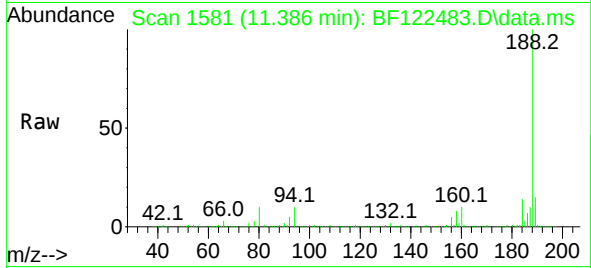
#58
Fluorene
Concen: 8.79 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20

Tgt Ion:166 Resp: 264141
Ion Ratio Lower Upper
166 100
165 96.7 79.1 118.7
167 13.5 11.0 16.6

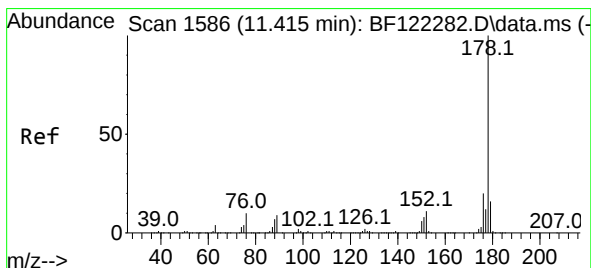
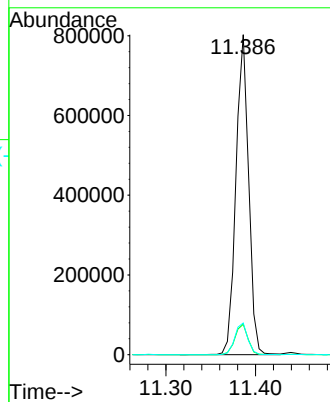
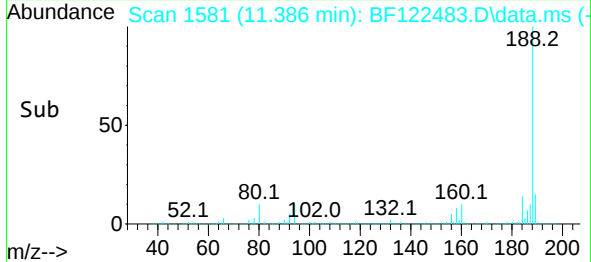




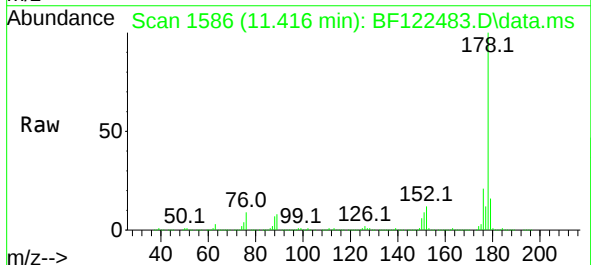
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20



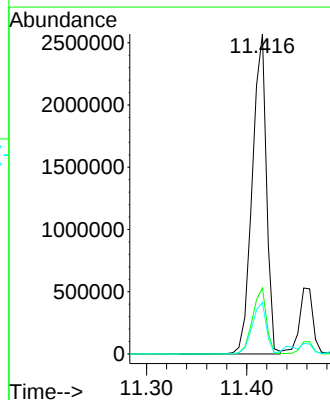
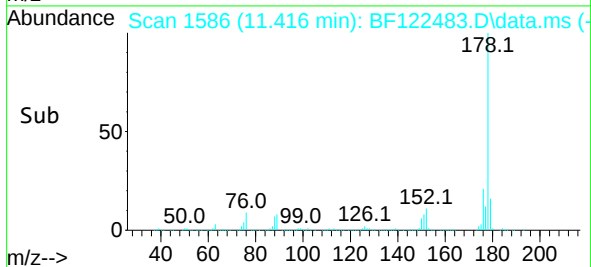
Tgt Ion:188 Resp: 787689
Ion Ratio Lower Upper
188 100
94 9.5 8.3 12.5
80 9.9 9.1 13.7



#71
Phenanthrene
Concen: 56.31 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20



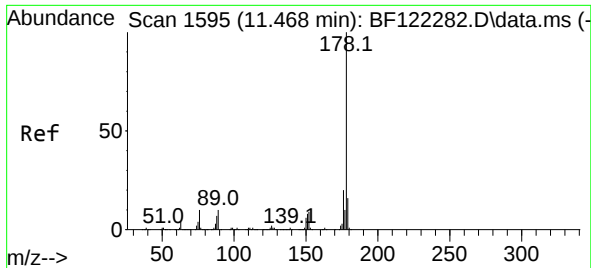
Tgt Ion:178 Resp: 2516448
Ion Ratio Lower Upper
178 100
176 20.6 15.9 23.9
179 16.1 12.2 18.4



Instrument :
BNA_F
ClientSampleId :
PAV-B3-112420-0-10

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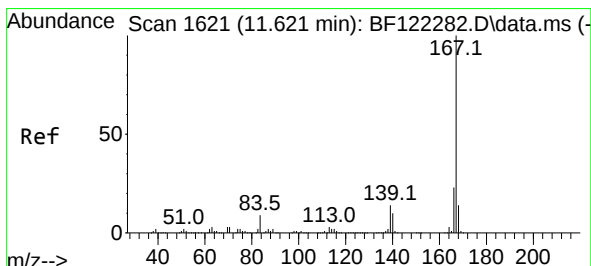
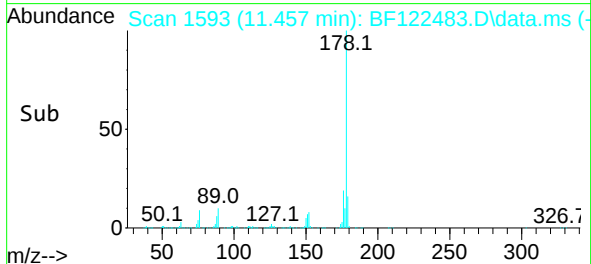
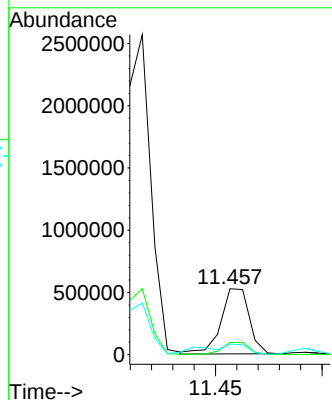
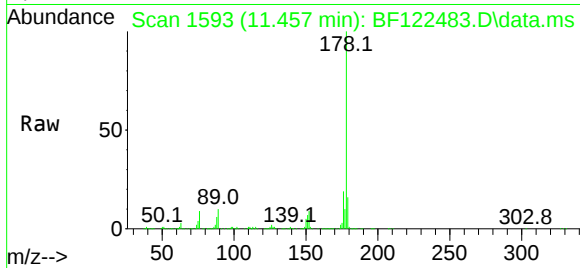
#72
 Anthracene
 Concen: 10.47 ng
 RT: 11.457 min Scan# 1593
 Delta R.T. -0.012 min
 Lab File: BF122483.D
 Acq: 25 Nov 2020 14:20

Tgt Ion:178 Resp: 482473
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.7 23.5
 179 16.1 12.7 19.1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B3-112420-0-10

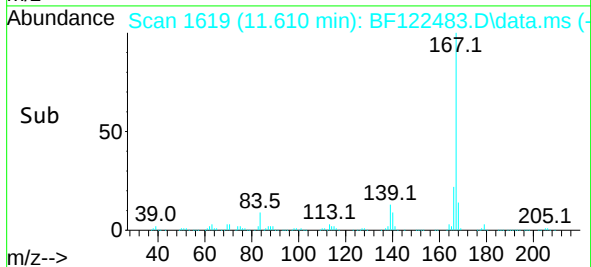
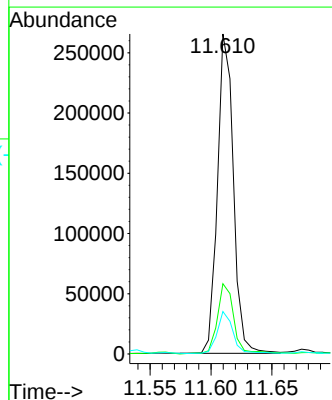
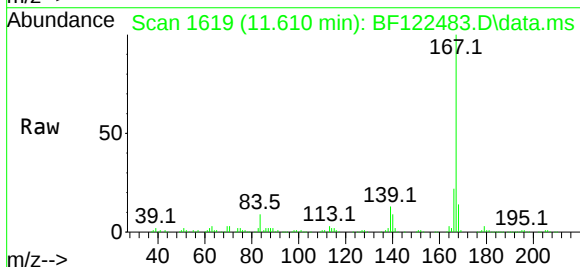
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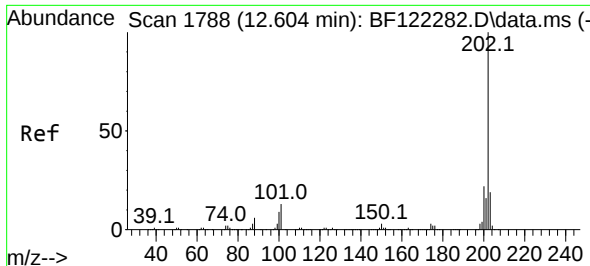
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#73
 Carbazole
 Concen: 5.78 ng
 RT: 11.610 min Scan# 1619
 Delta R.T. -0.012 min
 Lab File: BF122483.D
 Acq: 25 Nov 2020 14:20

Tgt Ion:167 Resp: 242242
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.8 26.6
 139 13.3 10.8 16.2





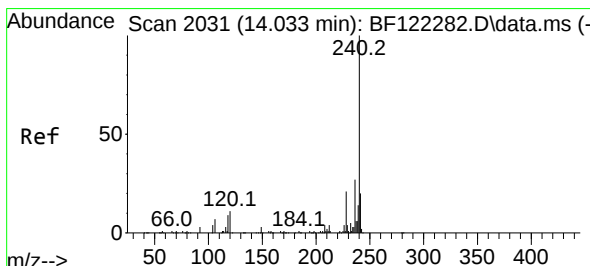
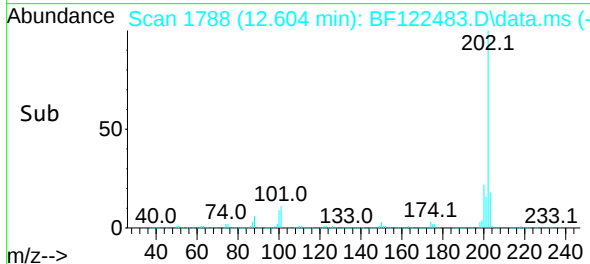
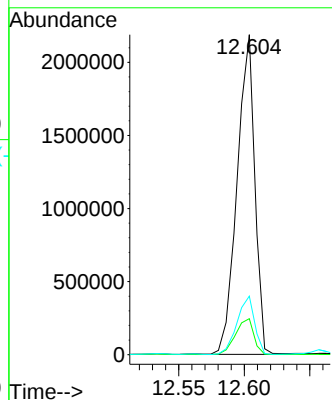
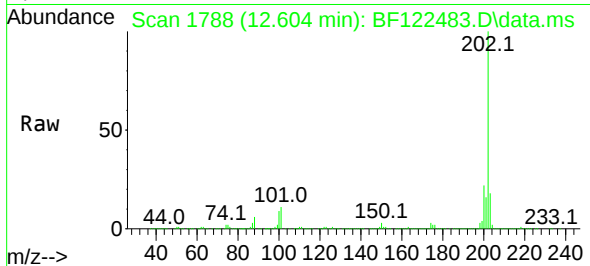
#75
Fluoranthene
Concen: 44.28 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.000 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20

Tgt Ion:202 Resp: 2065969
Ion Ratio Lower Upper
202 100
101 11.3 0.0 33.4
203 18.3 0.0 37.9

Instrument :
BNA_F
ClientSampleId :
PAV-B3-112420-0-10

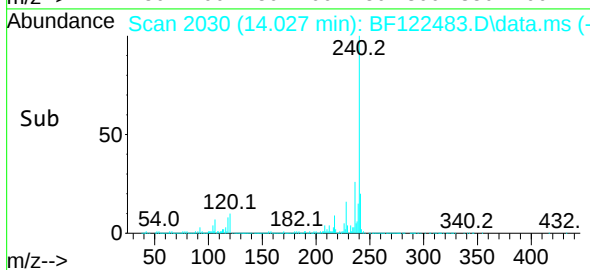
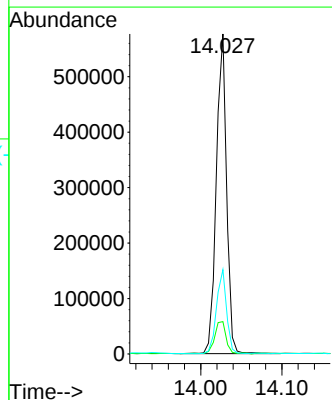
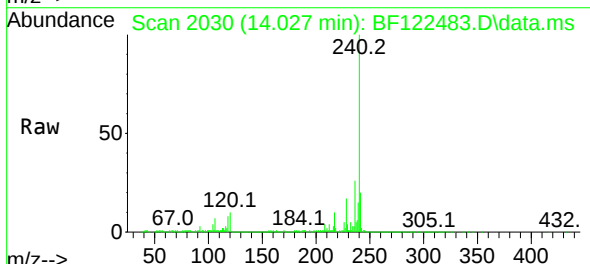
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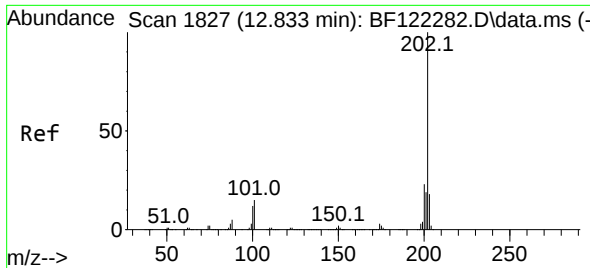
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#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20

Tgt Ion:240 Resp: 505286
Ion Ratio Lower Upper
240 100
120 10.1 9.2 13.8
236 26.4 20.9 31.3





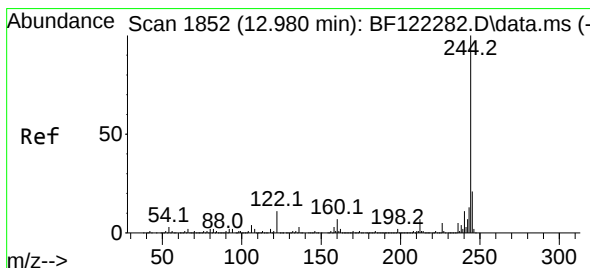
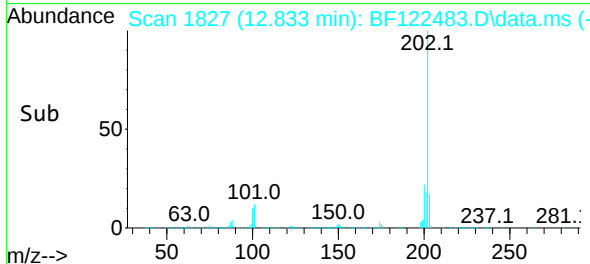
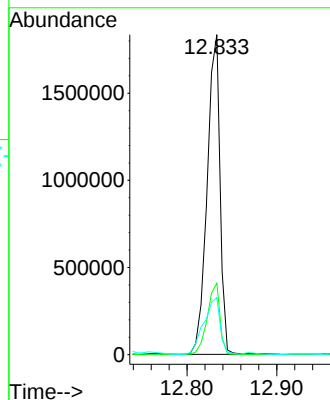
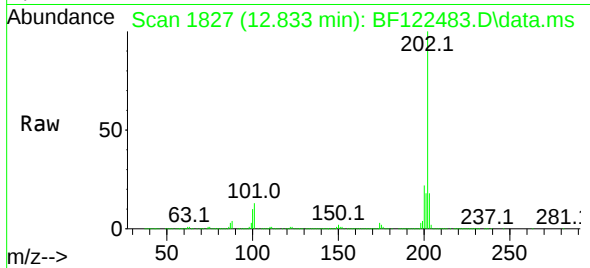
#78
Pyrene
Concen: 51.53 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.000 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20

Tgt Ion:202 Resp: 1829136
Ion Ratio Lower Upper
202 100
200 22.4 17.4 26.2
203 17.9 14.6 21.8

Instrument :
BNA_F
ClientSampleId :
PAV-B3-112420-0-10

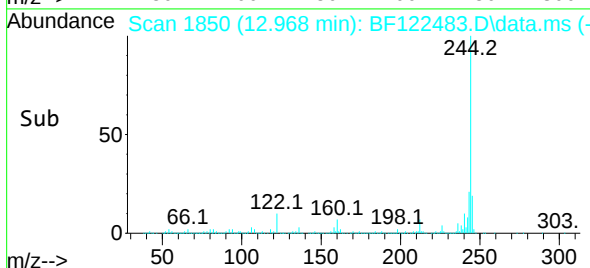
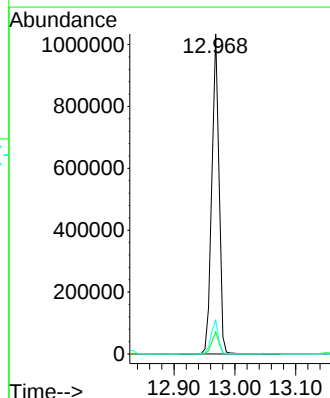
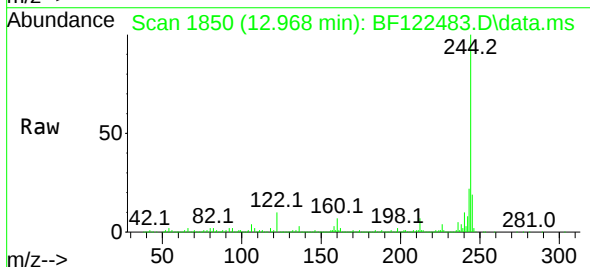
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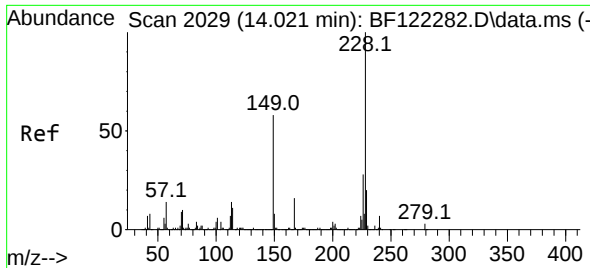
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#79
Terphenyl-d14
Concen: 36.08 ng
RT: 12.968 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20

Tgt Ion:244 Resp: 860644
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.2
122 10.4 8.1 12.1





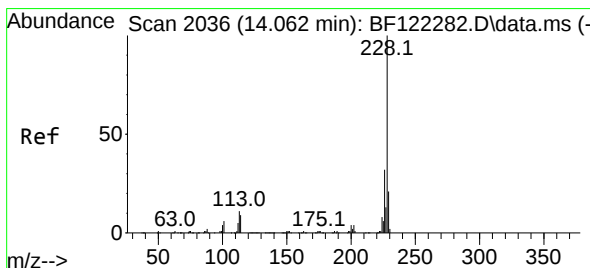
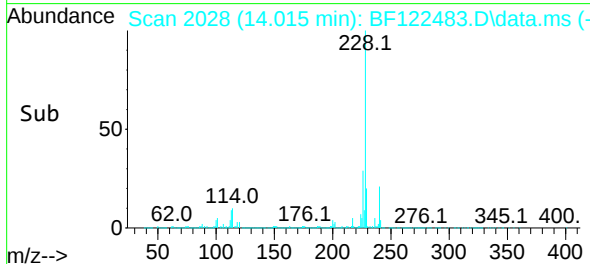
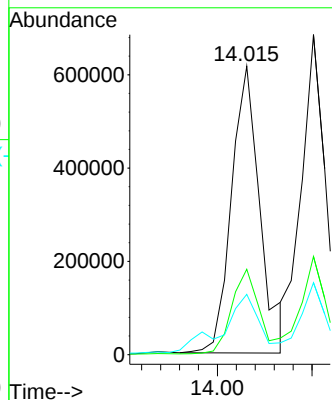
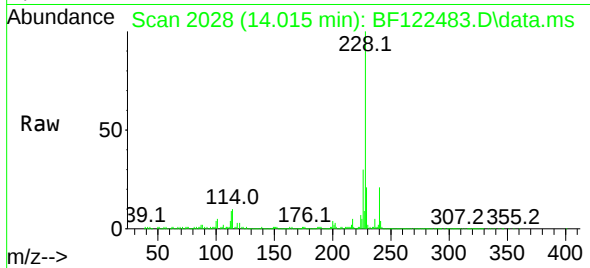
#81
Benzo(a)anthracene
Concen: 20.47 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20

Tgt Ion:228 Resp: 643374
Ion Ratio Lower Upper
228 100
226 29.6 22.3 33.5
229 20.9 16.2 24.4

Instrument :
BNA_F
ClientSampleId :
PAV-B3-112420-0-10

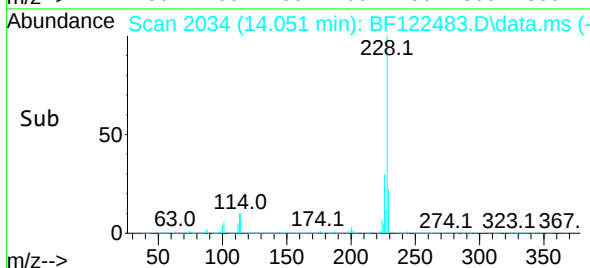
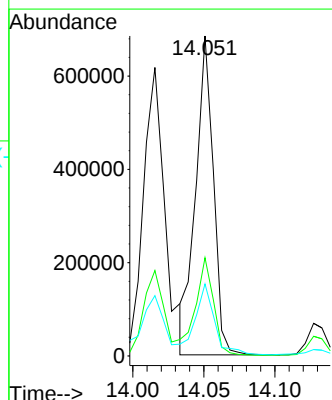
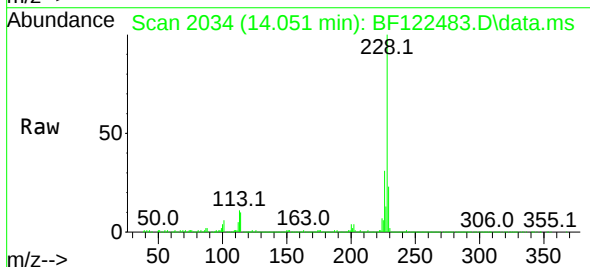
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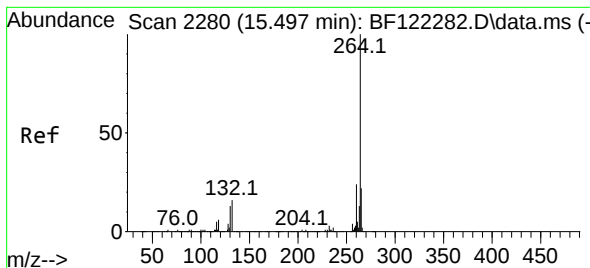
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#83
Chrysene
Concen: 18.74 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20

Tgt Ion:228 Resp: 593230
Ion Ratio Lower Upper
228 100
226 30.7 24.6 37.0
229 22.5 15.9 23.9





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.498 min Scan# 2280

Delta R.T. -0.006 min

Lab File: BF122483.D

Acq: 25 Nov 2020 14:20

Tgt Ion:	264	Resp:	559128
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.7	28.1
265	21.8	17.3	25.9

Instrument :

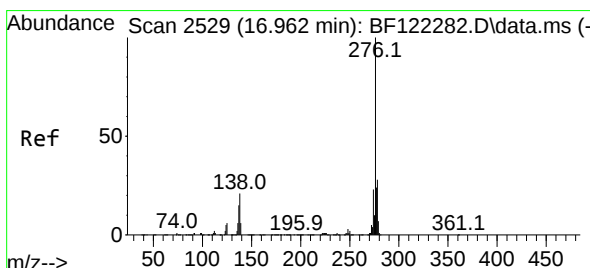
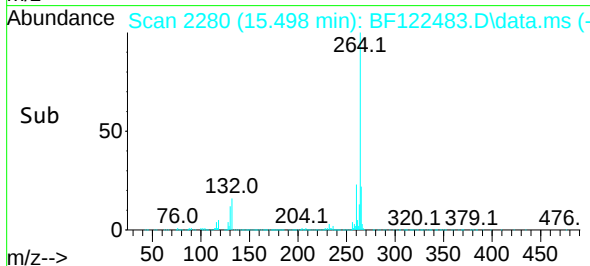
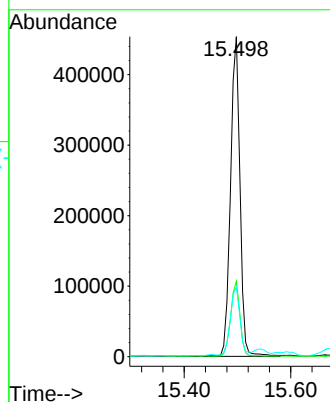
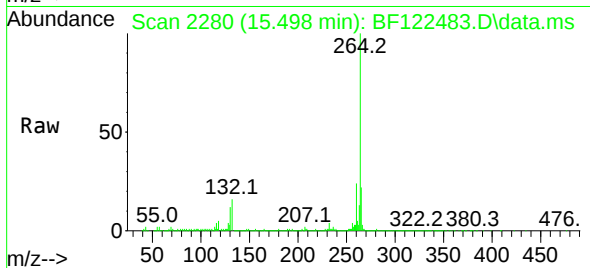
BNA_F

ClientSampleId :

PAV-B3-112420-0-10

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#87

Indeno(1,2,3-cd)pyrene

Concen: 10.02 ng m

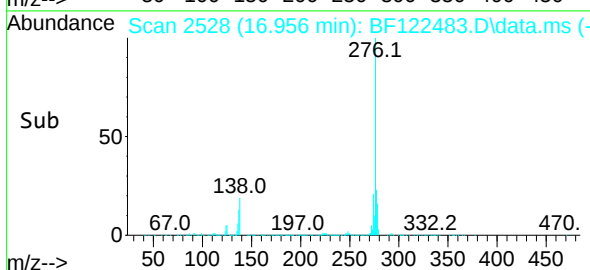
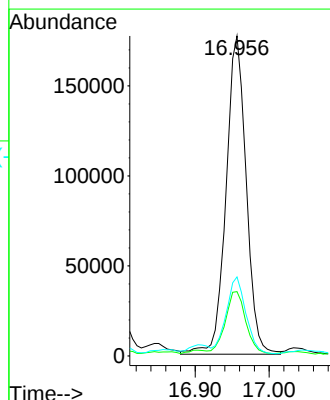
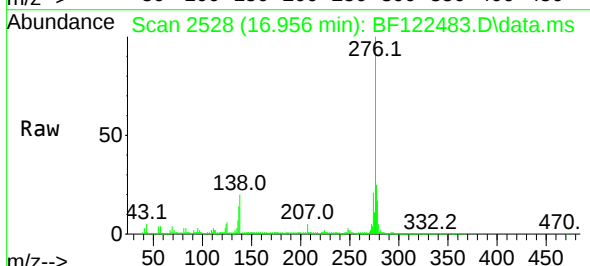
RT: 16.956 min Scan# 2528

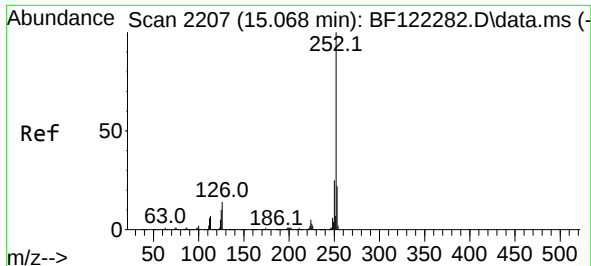
Delta R.T. -0.018 min

Lab File: BF122483.D

Acq: 25 Nov 2020 14:20

Tgt Ion:	276	Resp:	336157
Ion Ratio	Lower	Upper	
276	100		
138	3.8	19.9	29.9#
277	4.4	20.4	30.6#





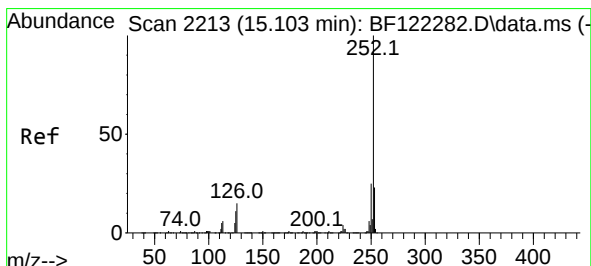
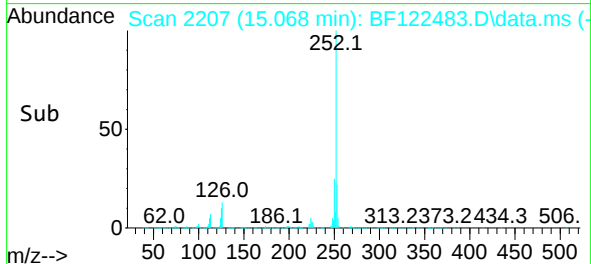
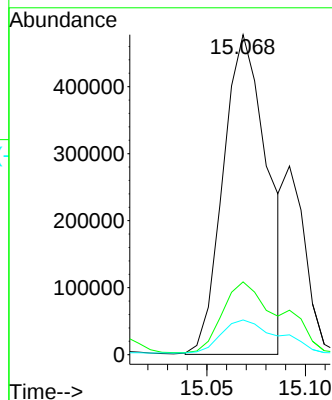
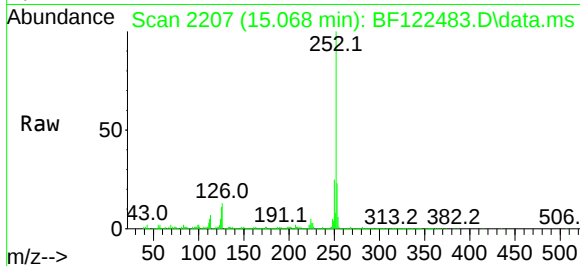
#88
Benzo(b)fluoranthene
Concen: 20.59 ng m
RT: 15.068 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20

Tgt Ion:252 Resp: 745686
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.2
125 10.9 8.0 12.0

Instrument :
BNA_F
ClientSampleId :
PAV-B3-112420-0-10

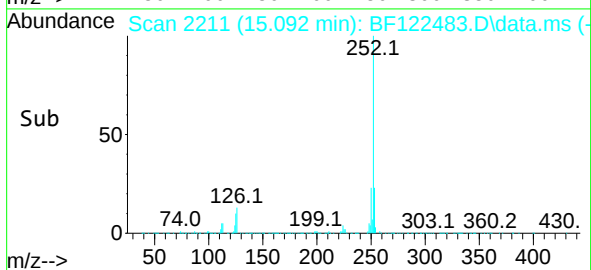
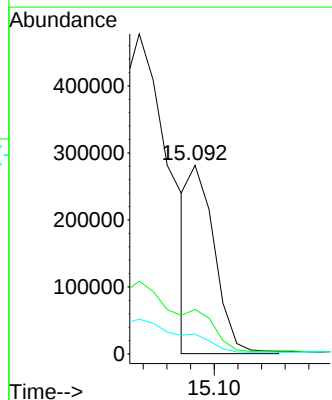
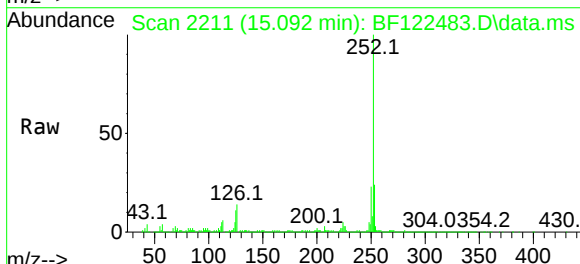
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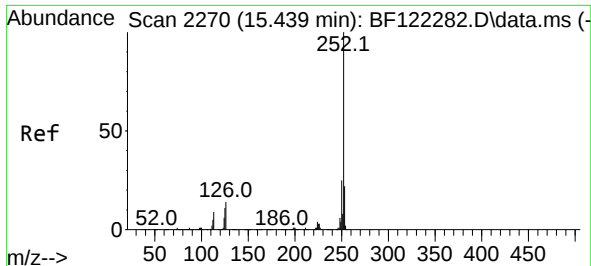
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#89
Benzo(k)fluoranthene
Concen: 6.00 ng m
RT: 15.092 min Scan# 2211
Delta R.T. -0.018 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20

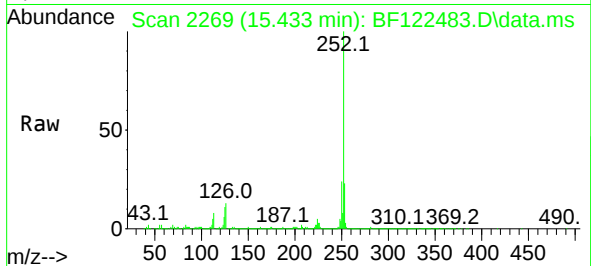
Tgt Ion:252 Resp: 211810
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 10.5 7.7 11.5





#90
Benzo(a)pyrene
Concen: 17.56 ng
RT: 15.433 min Scan# 2269
Delta R.T. -0.012 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20

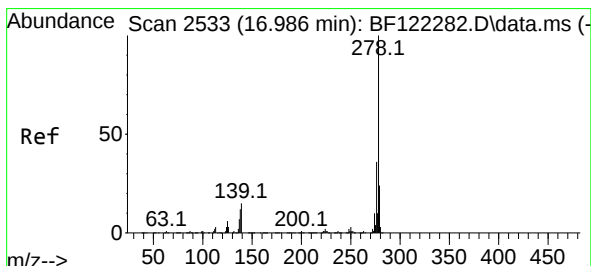
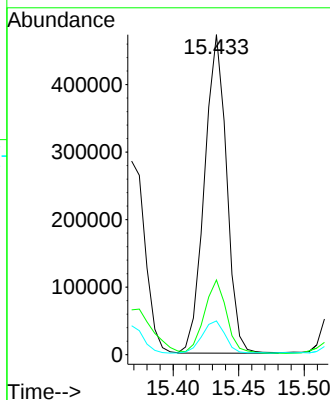
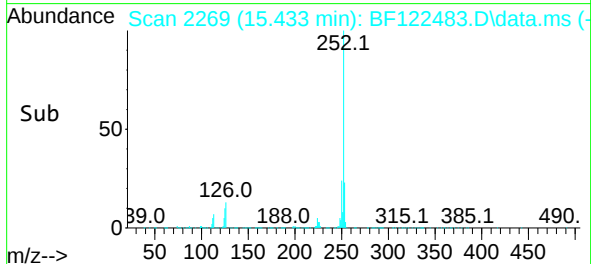
Instrument :
BNA_F
ClientSampleId :
PAV-B3-112420-0-10



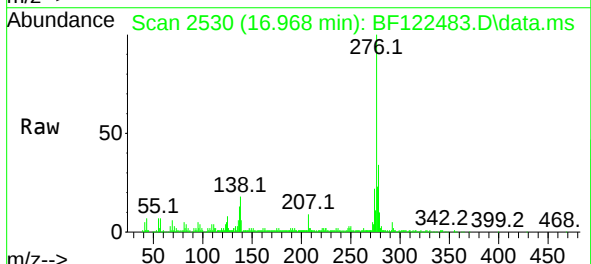
Tgt Ion:252 Resp: 554441
Ion Ratio Lower Upper
252 100
253 23.4 17.3 25.9
125 10.5 8.6 13.0

Manual Integrations
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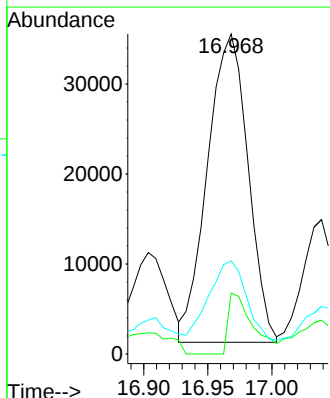
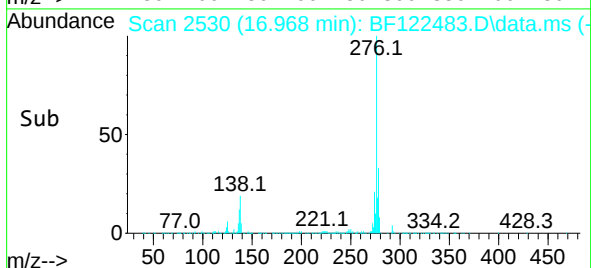
mohammad
11/27/2020 11:42:20 AM

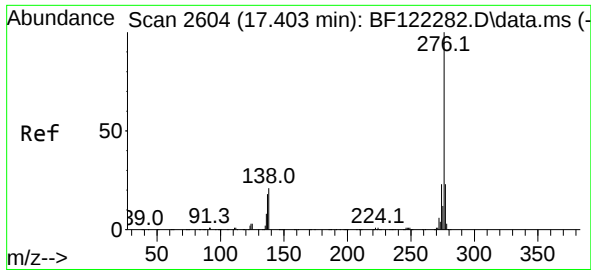


#91
Dibenzo(a,h)anthracene
Concen: 2.69 ng m
RT: 16.968 min Scan# 2530
Delta R.T. -0.024 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20

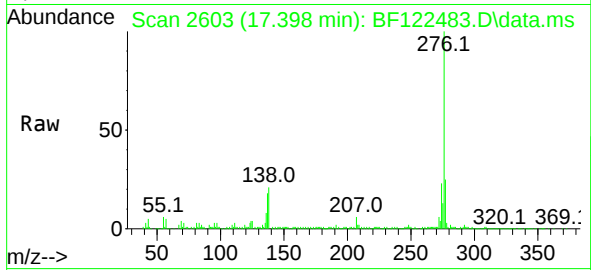


Tgt Ion:278 Resp: 75462
Ion Ratio Lower Upper
278 100
139 19.0 13.0 19.4
279 29.1 19.0 28.4#

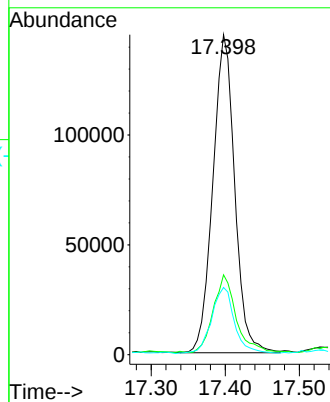
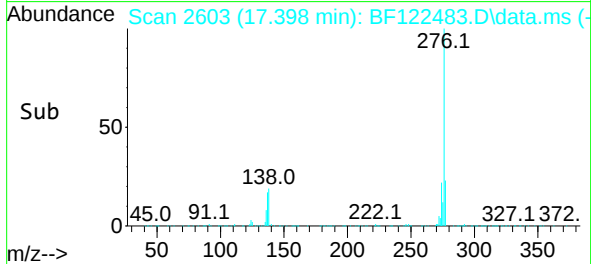




#92
Benzo(g,h,i)perylene
Concen: 10.84 ng
RT: 17.398 min Scan# 2603
Delta R.T. -0.024 min
Lab File: BF122483.D
Acq: 25 Nov 2020 14:20



Tgt Ion: 276 Resp: 296240
Ion Ratio Lower Upper
276 100
277 25.0 19.4 29.2
138 21.0 17.8 26.6



Instrument :
BNA_F
ClientSampleId :
PAV-B3-112420-0-10

Manual Integrations
APPROVED

mohammad
11/27/2020 11:42:20 AM