

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112420\
 Data File : BF122472.D
 Acq On : 24 Nov 2020 17:33
 Operator : JU/CG
 Sample : L4836-06DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06DL

Manual Integrations
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Quant Time: Nov 24 18:01:03 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	6.851	152	186668	20.00	ng	0.00
21) Naphthalene-d8	8.140	136	724119	20.00	ng	0.00
39) Acenaphthene-d10	9.898	164	399904	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	706972	20.00	ng	0.00
76) Chrysene-d12	14.027	240	475579	20.00	ng	0.00
86) Perylene-d12	15.498	264	498319	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	197640	16.26	ng	-0.01
7) Phenol-d6	6.481	99	252794	15.90	ng	-0.02
23) Nitrobenzene-d5	7.410	82	152969	12.93	ng	-0.02
42) 2,4,6-Tribromophenol	10.681	330	79031	18.41	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	296950	11.60	ng	0.00
79) Terphenyl-d14	12.969	244	283978	12.65	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.163	128	178461	4.64	ng	98
37) 2-Methylnaphthalene	8.851	142	62170	2.44	ng	97
38) 1-Methylnaphthalene	8.951	142	74448	3.13	ng	99
52) Acenaphthene	9.928	154	141678	5.89	ng	98
55) Dibenzofuran	10.098	168	145010	4.12	ng	96
58) Fluorene	10.445	166	206295	7.65	ng	97
71) Phenanthrene	11.410	178	1430946	35.67	ng	99
72) Anthracene	11.457	178	498449	12.06	ng	98
73) Carbazole	11.610	167	108587	2.89	ng	99
75) Fluoranthene	12.604	202	1318469	31.49	ng	96
78) Pyrene	12.827	202	1240399	37.13	ng	99
81) Benzo(a)anthracene	14.016	228	497254	16.81	ng	95
83) Chrysene	14.051	228	455377	15.29	ng	98
87) Indeno(1,2,3-cd)pyrene	16.951	276	219665	7.35	ng	93
88) Benzo(b)fluoranthene	15.063	252	506658m	15.70	ng	
89) Benzo(k)fluoranthene	15.092	252	118207m	3.76	ng	
90) Benzo(a)pyrene	15.433	252	380939	13.54	ng	98
91) Dibenzo(a,h)anthracene	16.962	278	57164m	2.28	ng	
92) Benzo(g,h,i)perylene	17.392	276	197620	8.11	ng	98

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

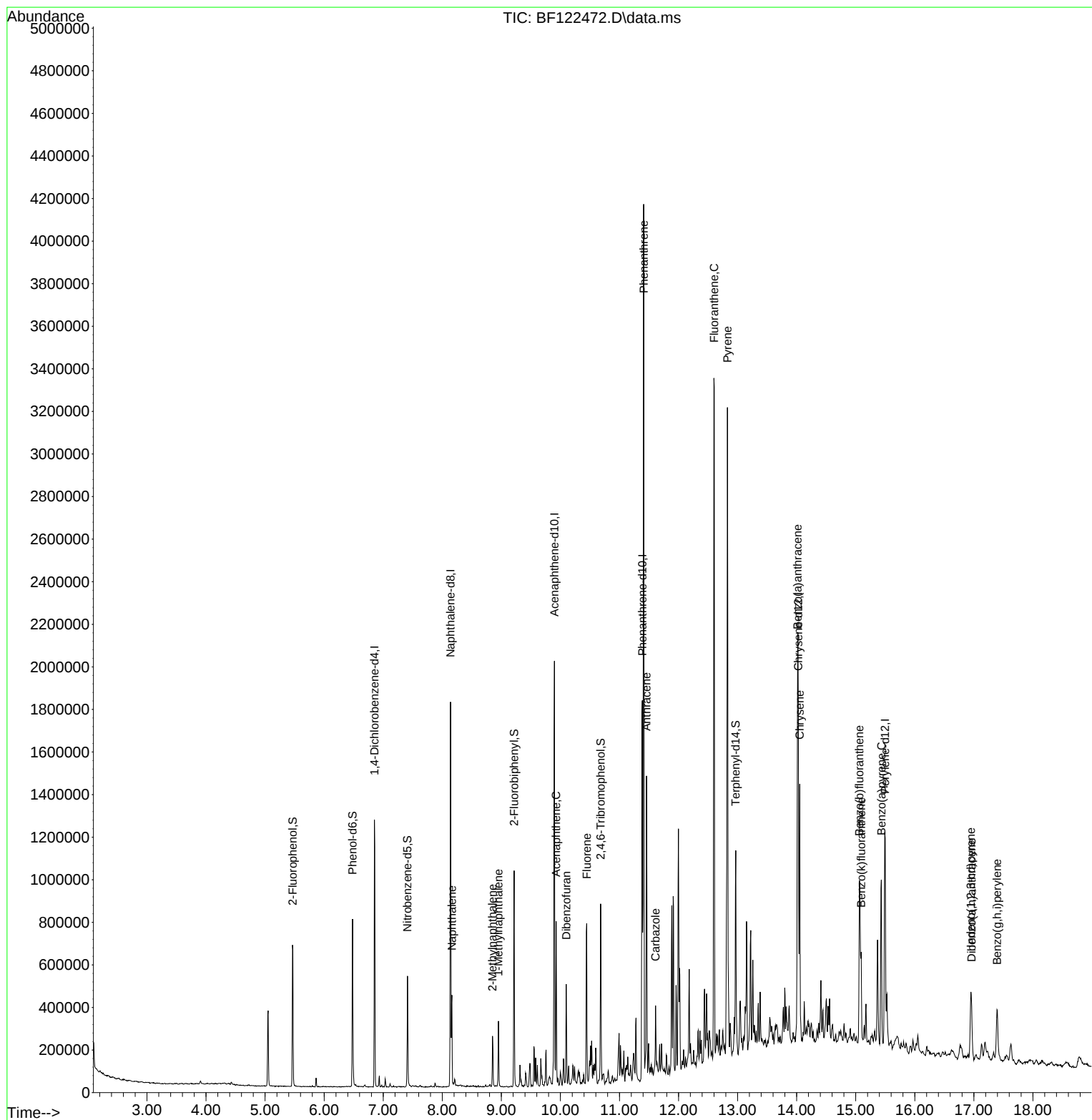
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112420\
Data File : BF122472.D
Acq On : 24 Nov 2020 17:33
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ALS Vial : 9 Sample Multiplier: 1

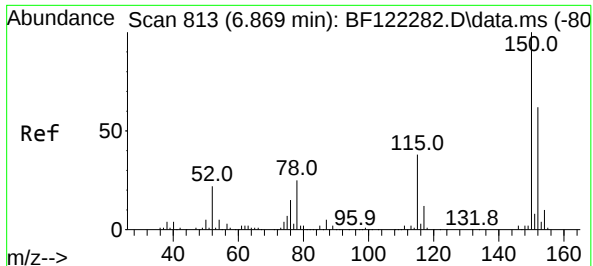
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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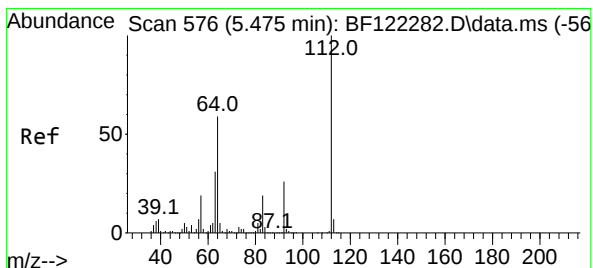
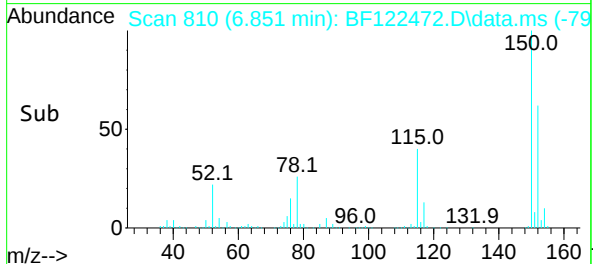
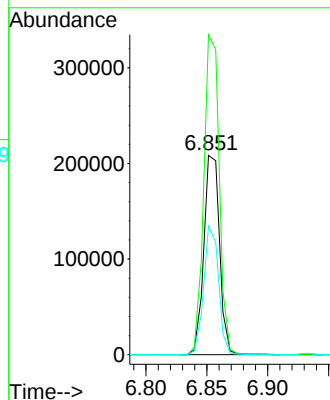
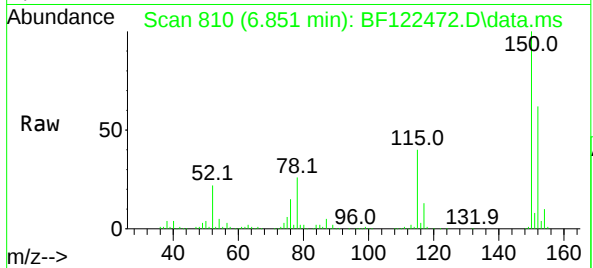
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1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33

Tgt Ion:152 Resp: 186668
Ion Ratio Lower Upper
152 100
150 160.5 125.3 187.9
115 64.4 51.9 77.9

Instrument :
BNA_F
ClientSampleId :
SB-06DL

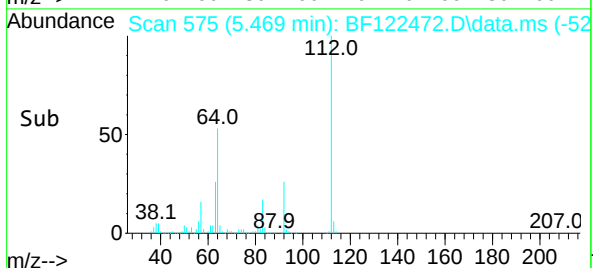
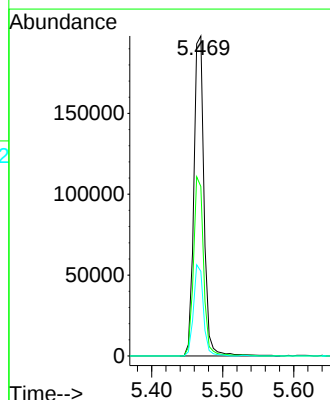
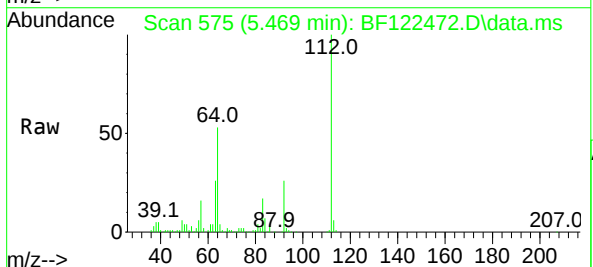
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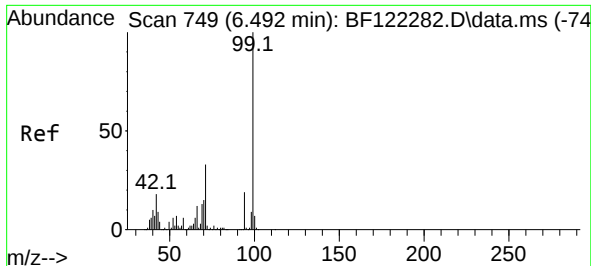
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#5
2-Fluorophenol
Concen: 16.26 ng
RT: 5.469 min Scan# 575
Delta R.T. -0.012 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33

Tgt Ion:112 Resp: 197640
Ion Ratio Lower Upper
112 100
64 53.0 50.4 75.6
63 26.5 25.8 38.6





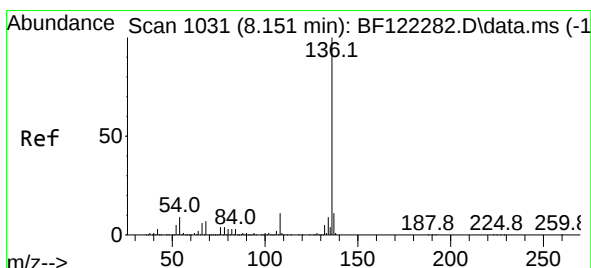
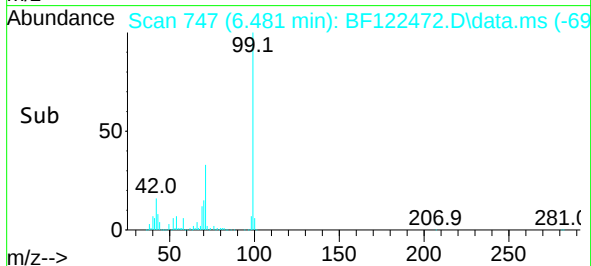
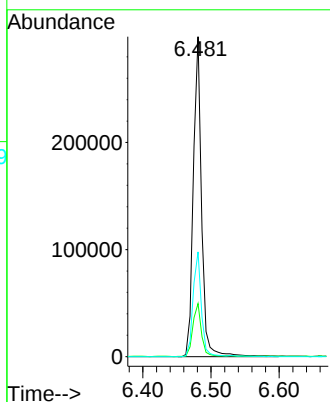
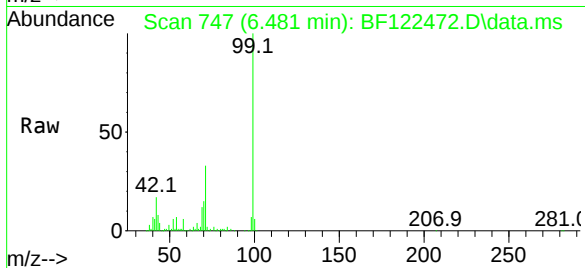
#7
Phenol-d6
Concen: 15.90 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.018 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33

Tgt Ion: 99 Resp: 252794
Ion Ratio Lower Upper
99 100
42 16.6 15.9 23.9
71 32.7 27.1 40.7

Instrument :
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ClientSampleId :
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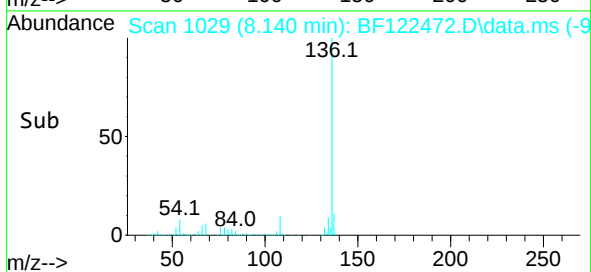
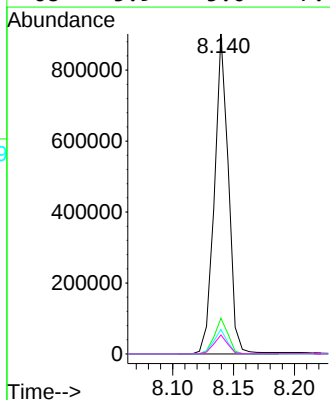
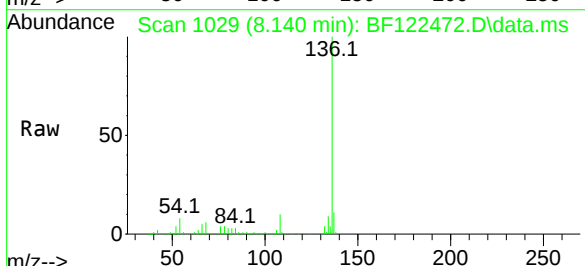
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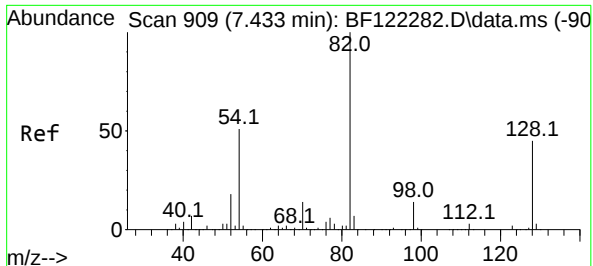
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.140 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33

Tgt Ion: 136 Resp: 724119
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 7.7 7.1 10.7
68 5.9 5.0 7.4





#23

Nitrobenzene-d5

Concen: 12.93 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.018 min

Lab File: BF122472.D

Acq: 24 Nov 2020 17:33

Tgt Ion: 82 Resp: 152969

Ion Ratio Lower Upper

82 100

128 43.6 35.0 52.4

54 47.1 43.9 65.9

Instrument :

BNA_F

ClientSampled :

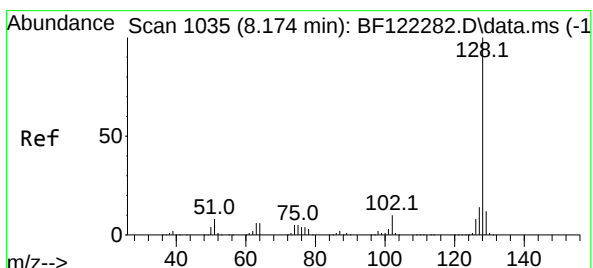
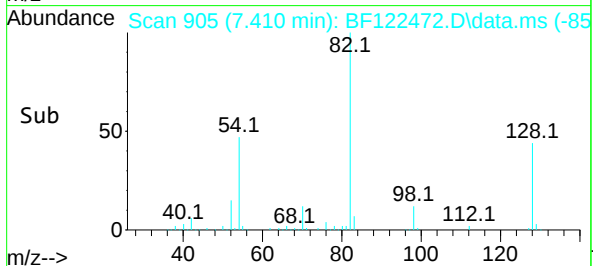
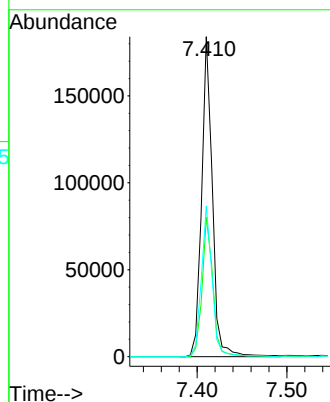
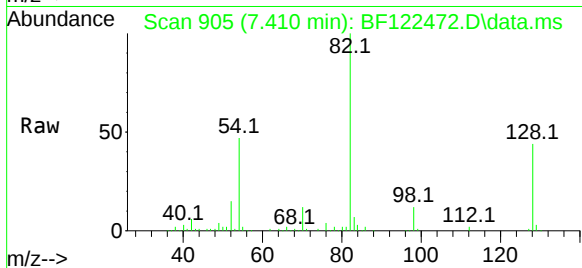
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#31

Naphthalene

Concen: 4.64 ng

RT: 8.163 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF122472.D

Acq: 24 Nov 2020 17:33

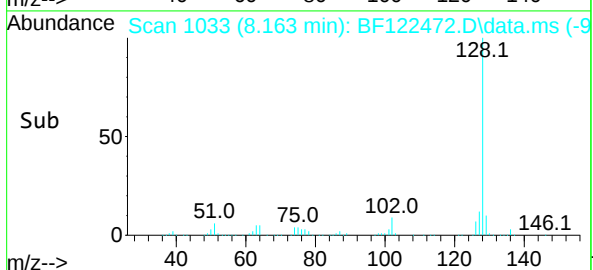
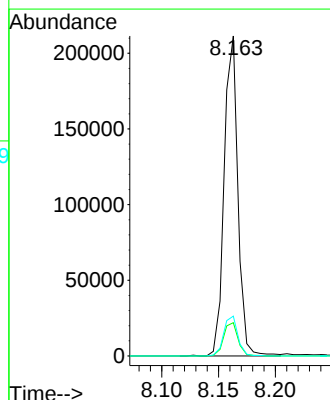
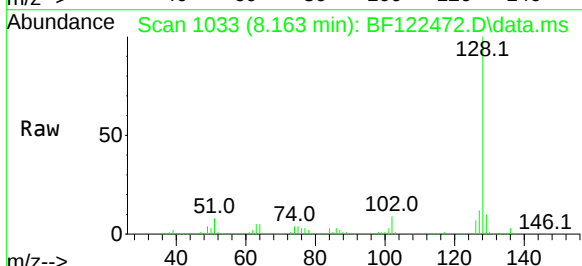
Tgt Ion: 128 Resp: 178461

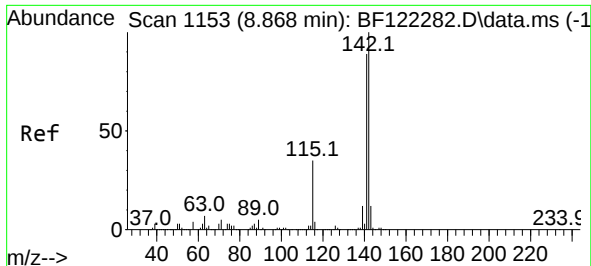
Ion Ratio Lower Upper

128 100

129 10.4 8.7 13.1

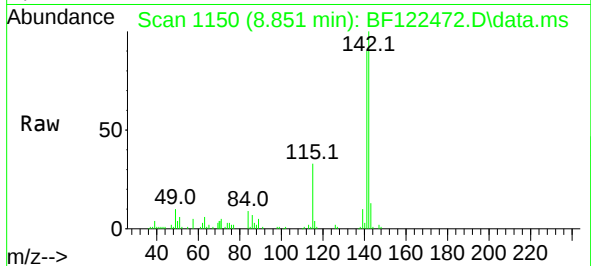
127 12.4 10.8 16.2





#37
2-Methylnaphthalene
Concen: 2.44 ng
RT: 8.851 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33

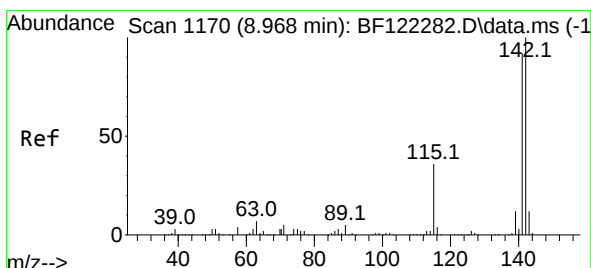
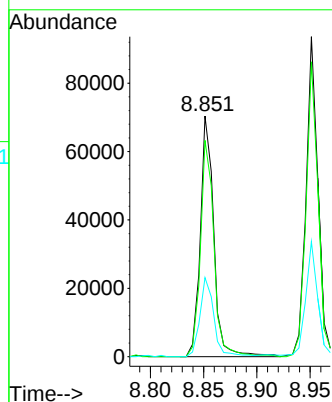
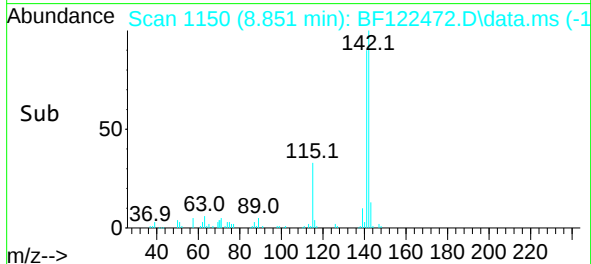
Instrument :
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ClientSampled :
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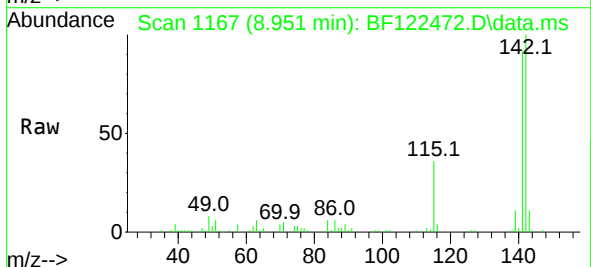
Tgt Ion:142 Resp: 62170
Ion Ratio Lower Upper
142 100
141 89.9 70.2 105.4
115 32.8 28.6 43.0

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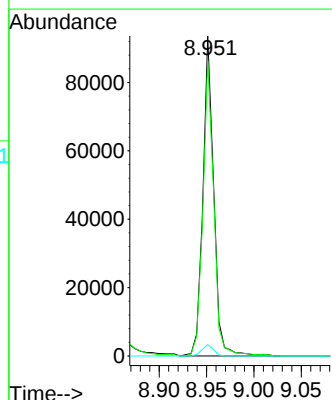
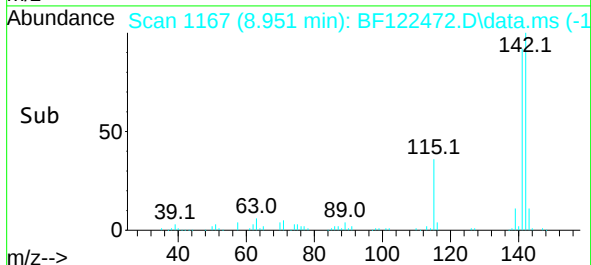
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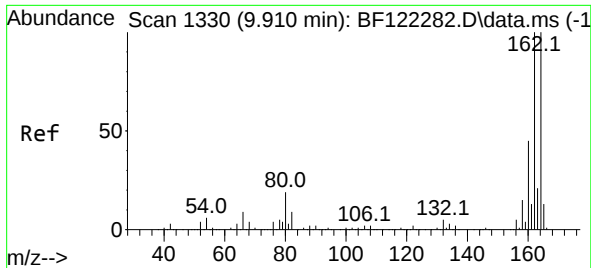


#38
1-Methylnaphthalene
Concen: 3.13 ng
RT: 8.951 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33



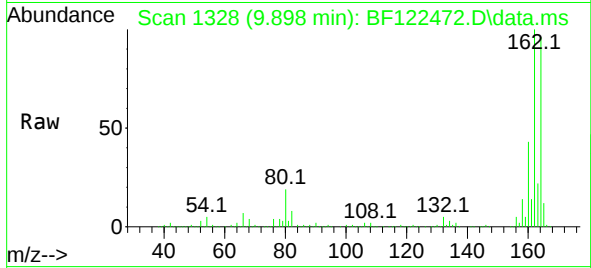
Tgt Ion:142 Resp: 74448
Ion Ratio Lower Upper
142 100
141 92.2 74.5 111.7
116 3.5 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33

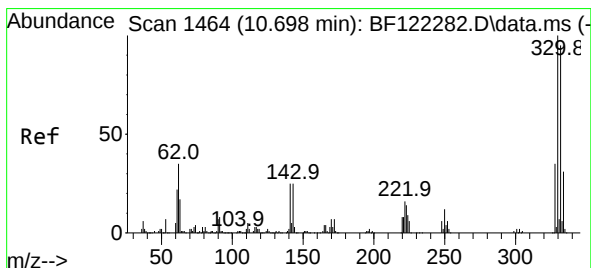
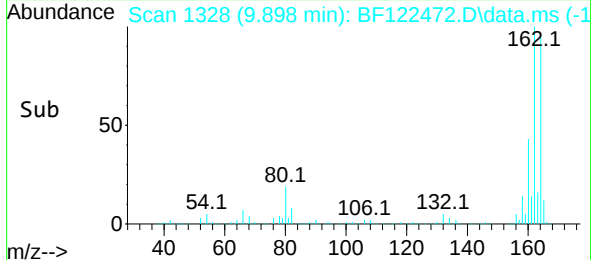
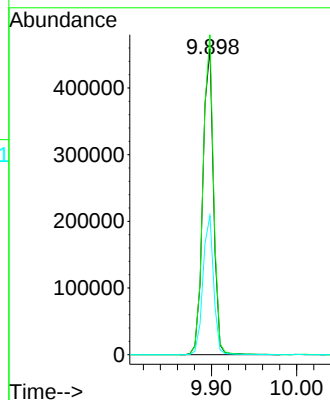
Instrument :
BNA_F
ClientSampleID :
SB-06DL



Tgt Ion:164 Resp: 399904
Ion Ratio Lower Upper
164 100
162 104.6 83.2 124.8
160 45.4 37.5 56.3

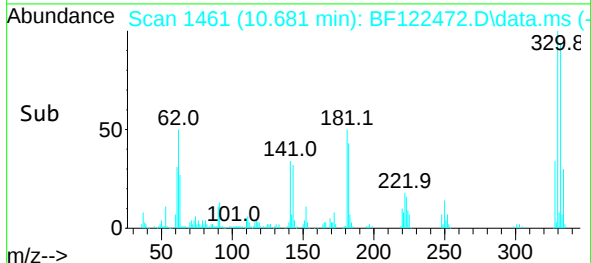
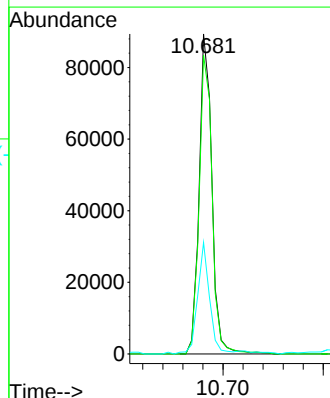
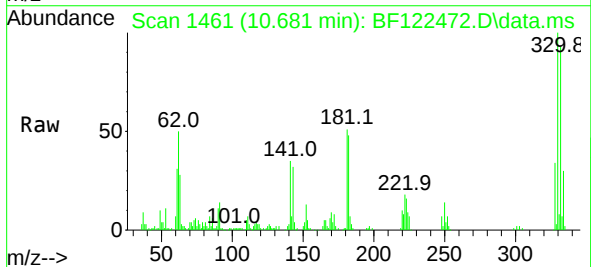
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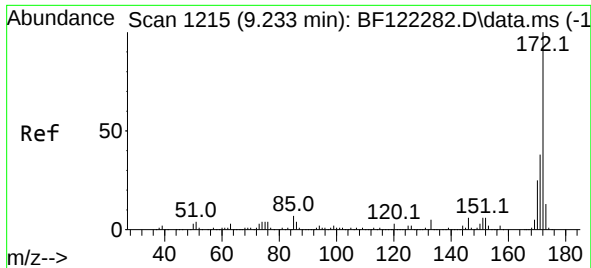
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#42
2,4,6-Tribromophenol
Concen: 18.41 ng
RT: 10.681 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33

Tgt Ion:330 Resp: 79031
Ion Ratio Lower Upper
330 100
332 95.7 77.3 115.9
141 32.8 22.3 33.5





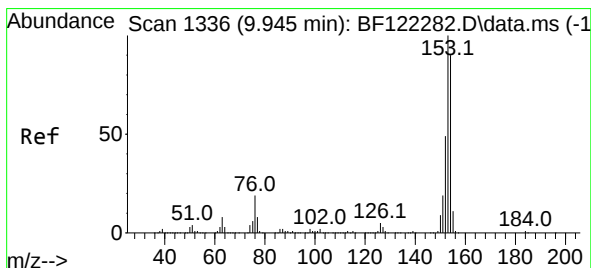
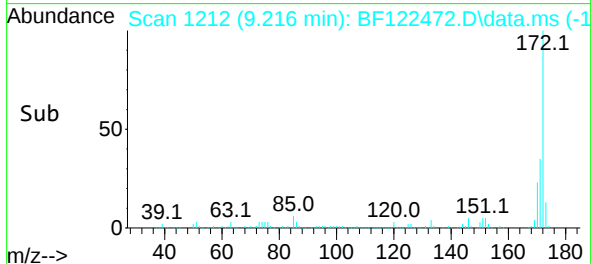
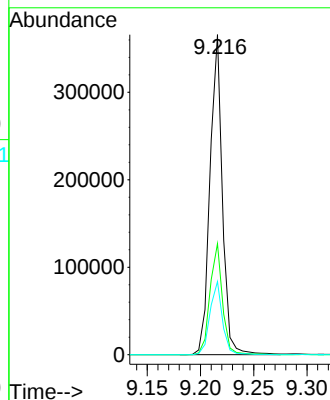
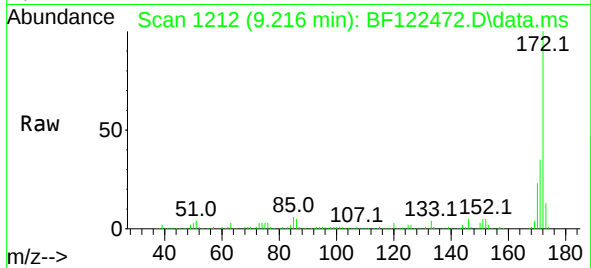
#45
2-Fluorobiphenyl
Concen: 11.60 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33

Tgt Ion:172 Resp: 296950
Ion Ratio Lower Upper
172 100
171 34.7 29.1 43.7
170 22.9 19.8 29.6

Instrument :
BNA_F
ClientSampled :
SB-06DL

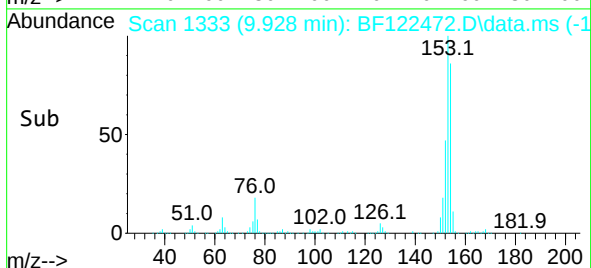
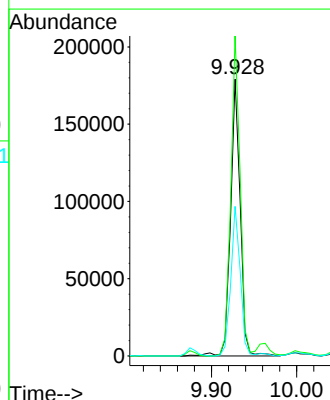
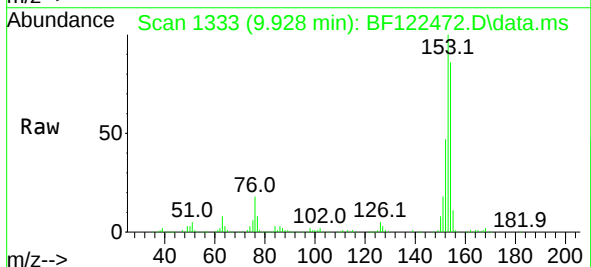
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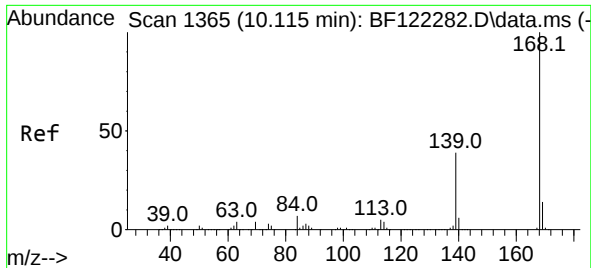
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#52
Acenaphthene
Concen: 5.89 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33

Tgt Ion:154 Resp: 141678
Ion Ratio Lower Upper
154 100
153 115.6 89.8 134.8
152 54.1 43.2 64.8





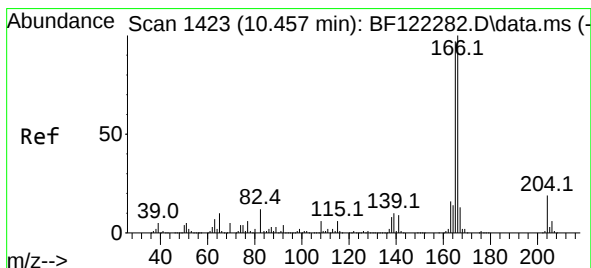
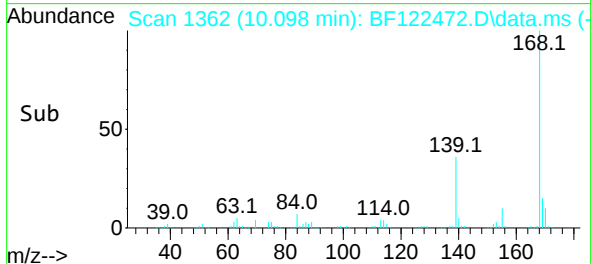
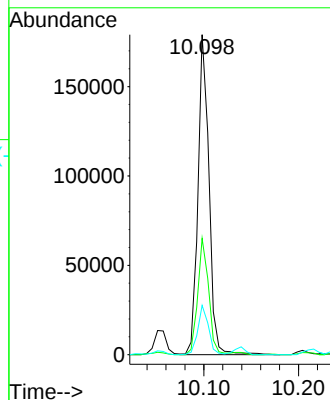
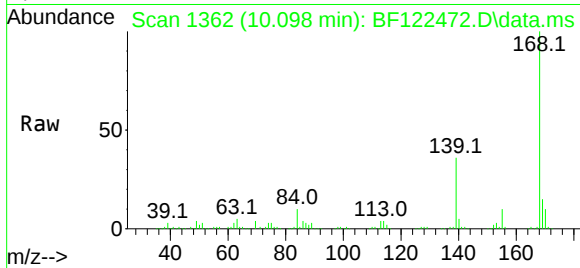
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Dibenzofuran
Concen: 4.12 ng
RT: 10.098 min Scan# 1362
Delta R.T. -0.012 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33

Tgt Ion:168 Resp: 145010
Ion Ratio Lower Upper
168 100
139 36.3 31.0 46.6
169 15.4 11.3 16.9

Instrument :
BNA_F
ClientSampled :
SB-06DL

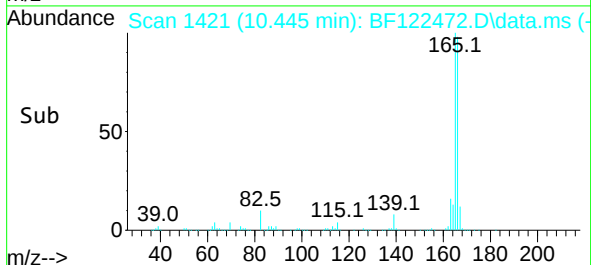
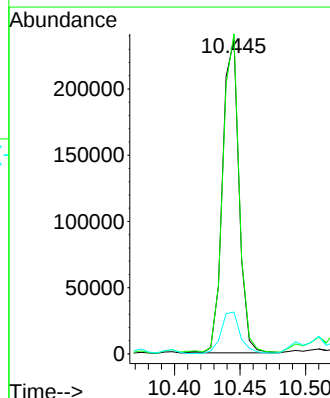
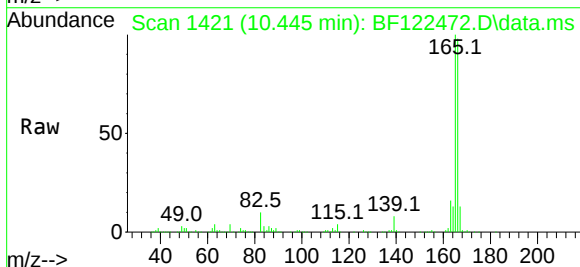
Manual Integrations
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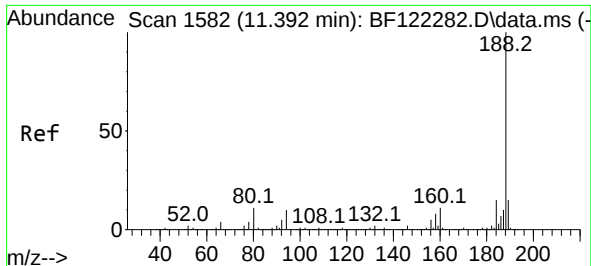
mohammad
11/25/2020 1:20:17 PM



#58
Fluorene
Concen: 7.65 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33

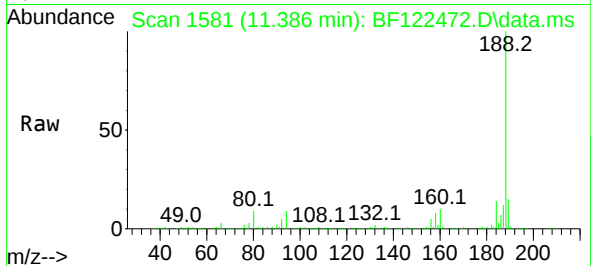
Tgt Ion:166 Resp: 206295
Ion Ratio Lower Upper
166 100
165 101.8 79.1 118.7
167 13.3 11.0 16.6





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33

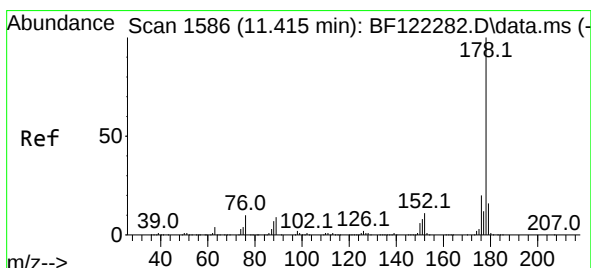
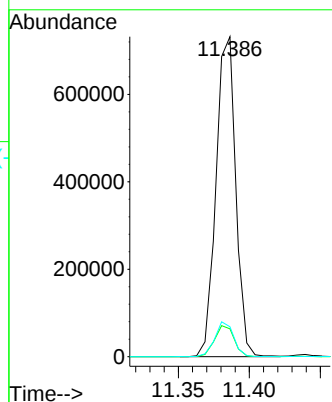
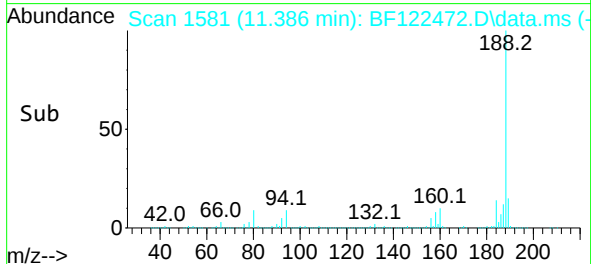
Instrument :
BNA_F
ClientSampleID :
SB-06DL



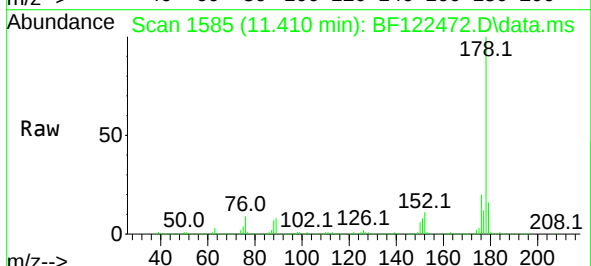
Tgt Ion:188 Resp: 706972
Ion Ratio Lower Upper
188 100
94 8.7 8.3 12.5
80 9.4 9.1 13.7

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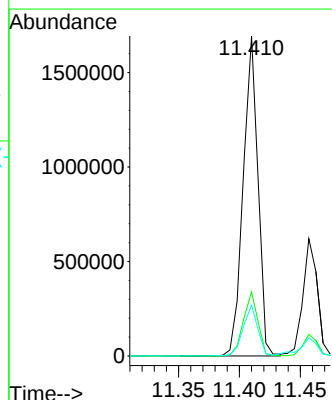
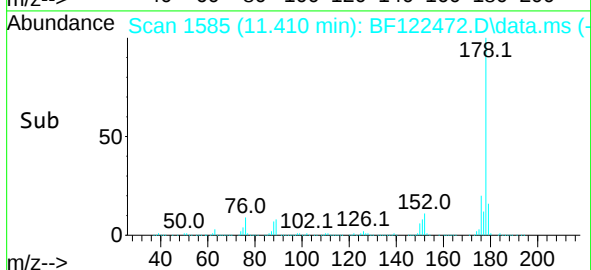
mohammad
11/25/2020 1:20:17 PM

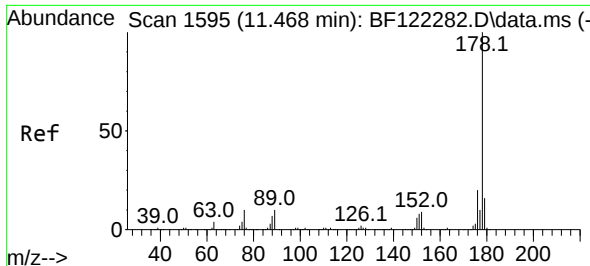


#71
Phenanthrene
Concen: 35.67 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33



Tgt Ion:178 Resp: 1430946
Ion Ratio Lower Upper
178 100
176 20.0 15.9 23.9
179 15.8 12.2 18.4





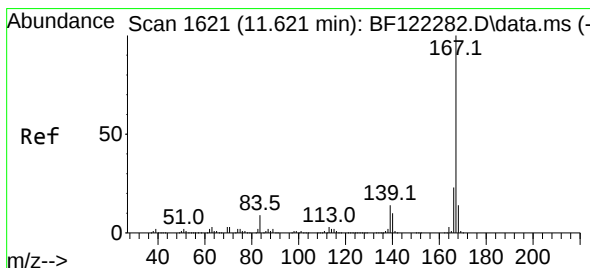
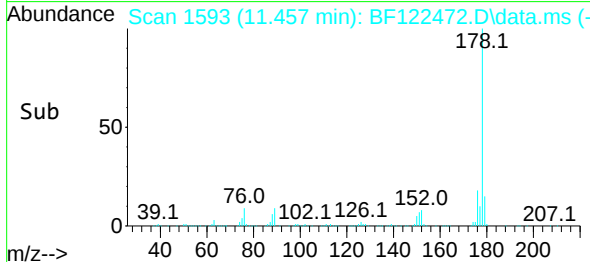
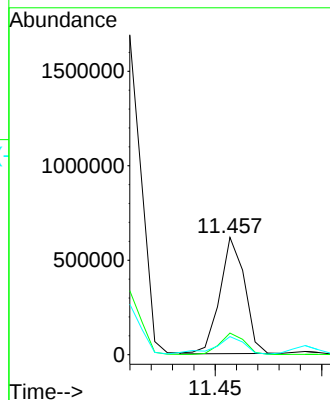
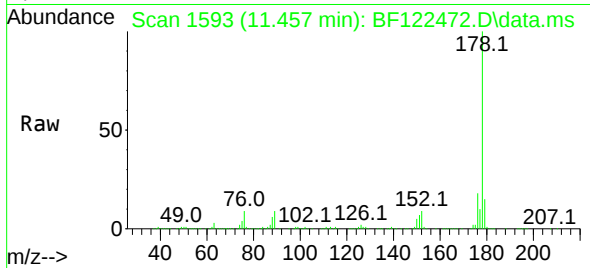
#72
 Anthracene
 Concen: 12.06 ng
 RT: 11.457 min Scan# 1593
 Delta R.T. -0.012 min
 Lab File: BF122472.D
 Acq: 24 Nov 2020 17:33

Tgt Ion:178 Resp: 498449
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.7 23.5
 179 15.4 12.7 19.1

Instrument :
 BNA_F
 ClientSampled :
 SB-06DL

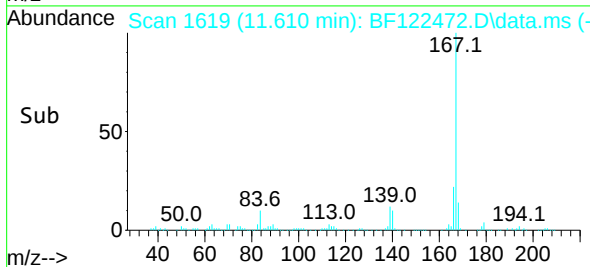
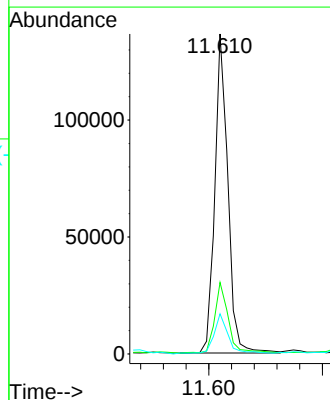
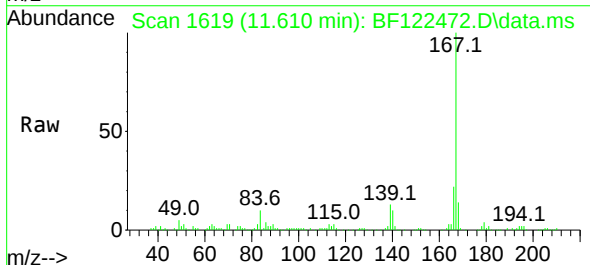
Manual Integrations
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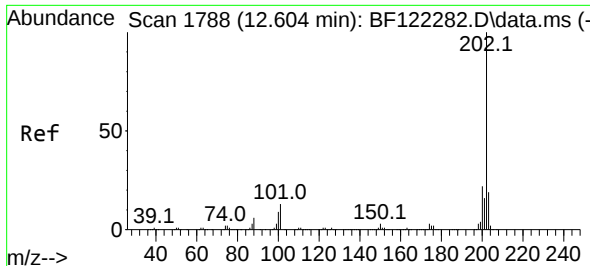
mohammad
 11/25/2020 1:20:17 PM



#73
 Carbazole
 Concen: 2.89 ng
 RT: 11.610 min Scan# 1619
 Delta R.T. -0.012 min
 Lab File: BF122472.D
 Acq: 24 Nov 2020 17:33

Tgt Ion:167 Resp: 108587
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.8 26.6
 139 12.6 10.8 16.2





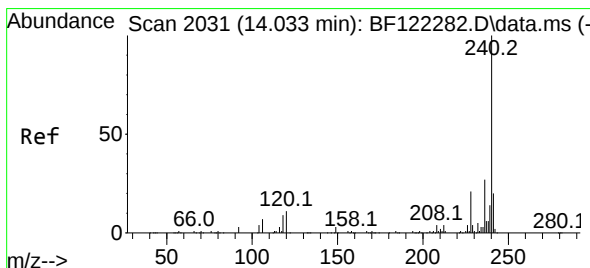
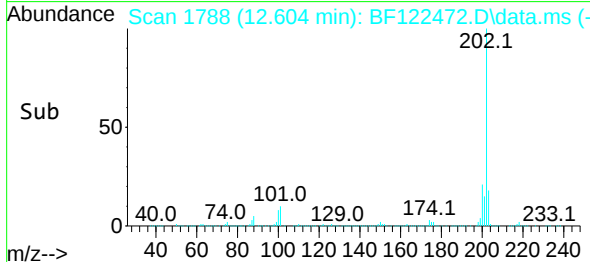
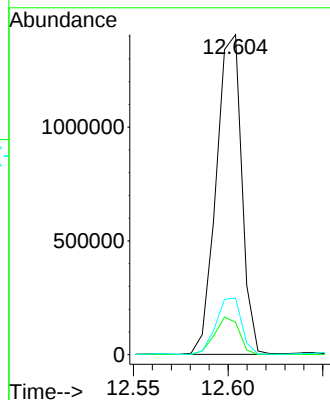
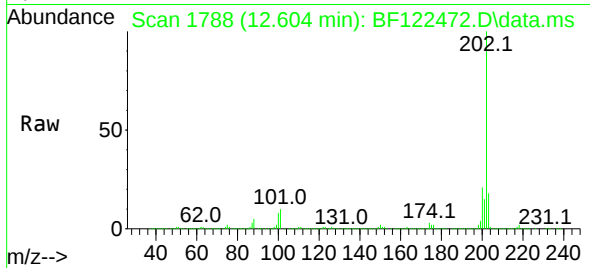
#75
Fluoranthene
Concen: 31.49 ng
RT: 12.604 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33

Tgt Ion:202 Resp: 1318469
Ion Ratio Lower Upper
202 100
101 10.1 0.0 33.4
203 17.7 0.0 37.9

Instrument :
BNA_F
ClientSampleId :
SB-06DL

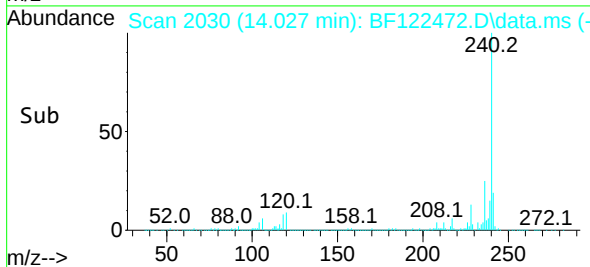
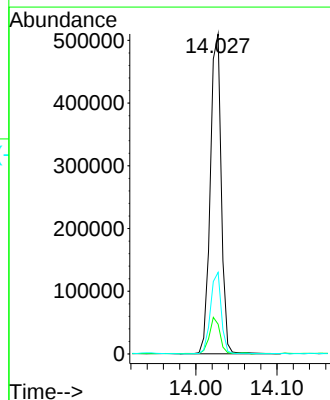
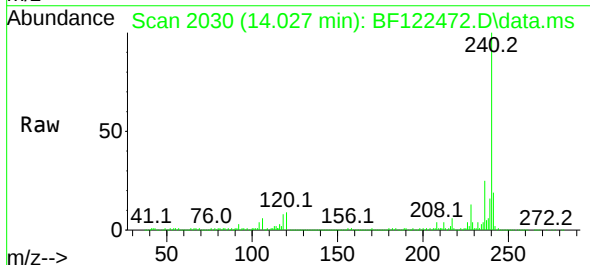
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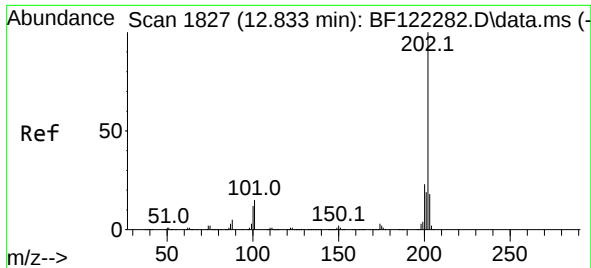
mohammad
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#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33

Tgt Ion:240 Resp: 475579
Ion Ratio Lower Upper
240 100
120 9.3 9.2 13.8
236 25.5 20.9 31.3





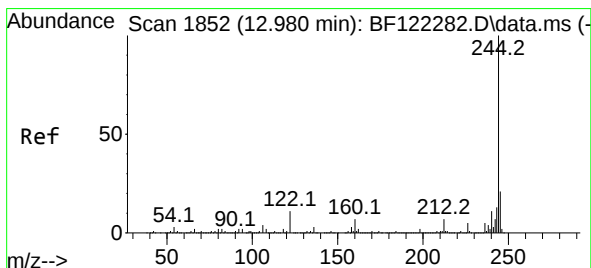
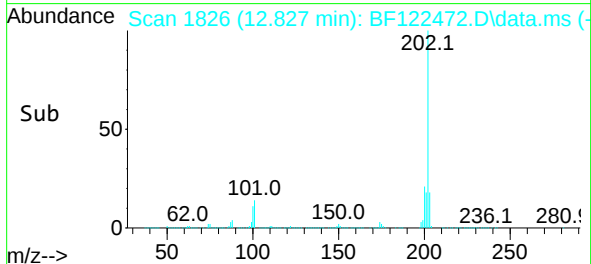
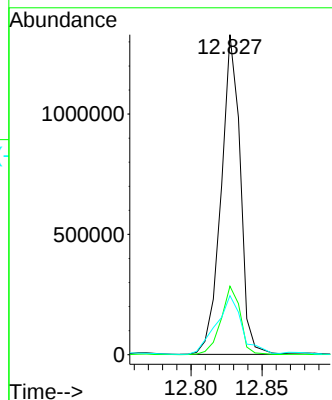
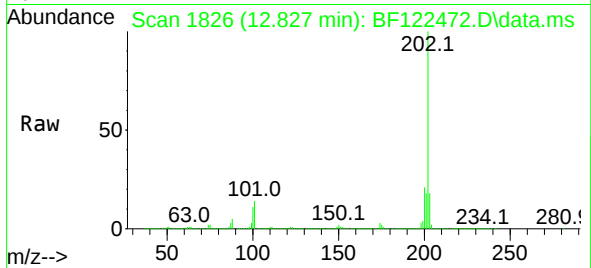
#78
Pyrene
Concen: 37.13 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33

Tgt Ion:202 Resp: 1240399
Ion Ratio Lower Upper
202 100
200 21.4 17.4 26.2
203 18.4 14.6 21.8

Instrument :
BNA_F
ClientSampleId :
SB-06DL

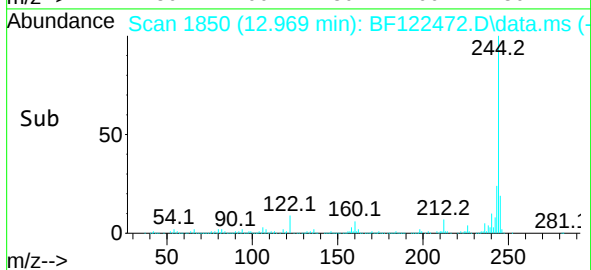
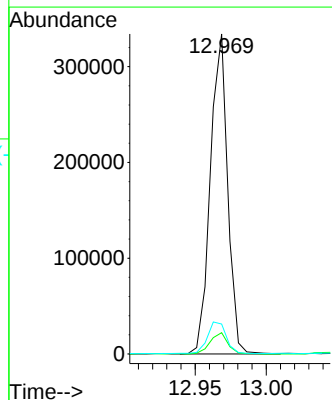
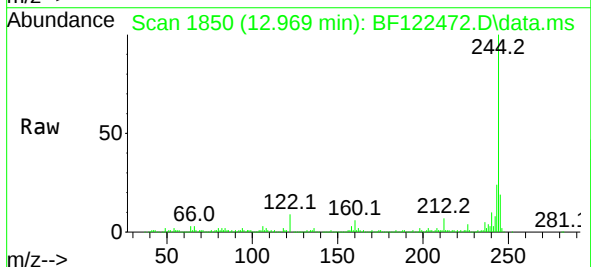
Manual Integrations
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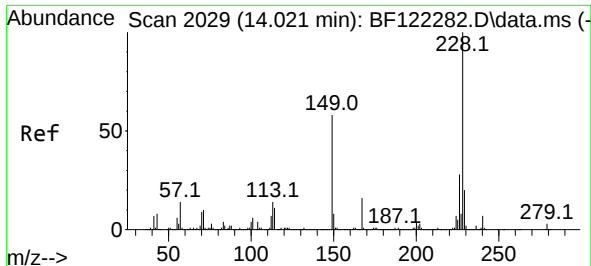
mohammad
11/25/2020 1:20:17 PM



#79
Terphenyl-d14
Concen: 12.65 ng
RT: 12.969 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33

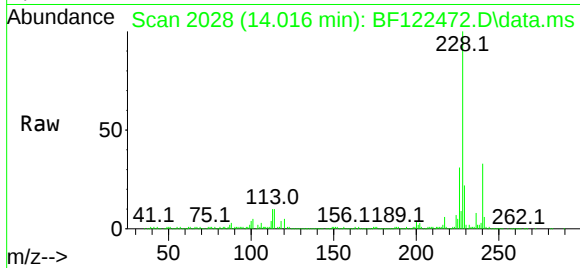
Tgt Ion:244 Resp: 283978
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 9.4 8.1 12.1





#81
Benzo(a)anthracene
Concen: 16.81 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33

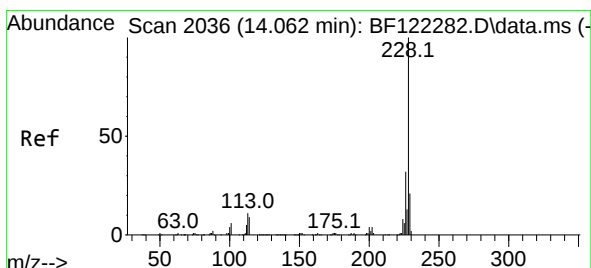
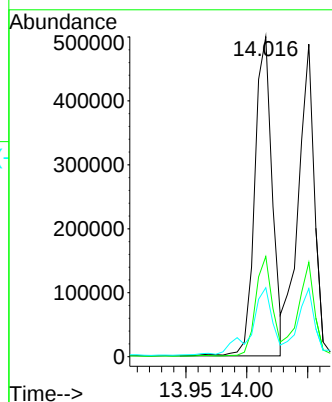
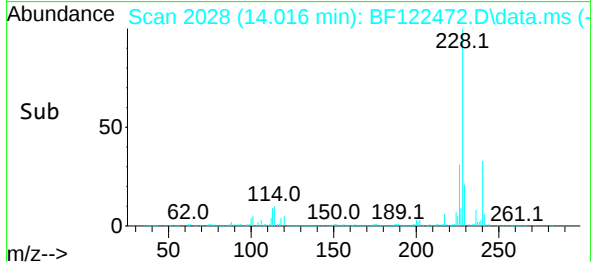
Instrument :
BNA_F
ClientSampled :
SB-06DL



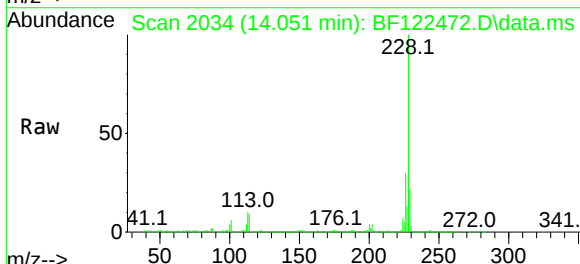
Tgt Ion:228 Resp: 497254
Ion Ratio Lower Upper
228 100
226 31.3 22.3 33.5
229 21.5 16.2 24.4

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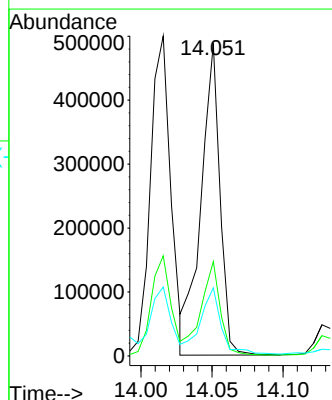
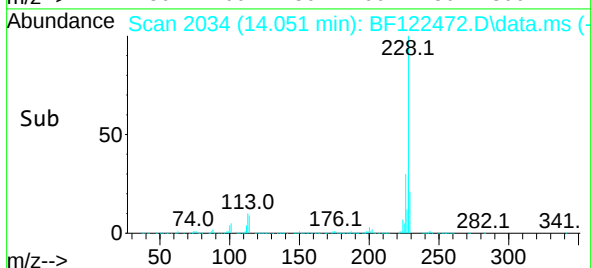
mohammad
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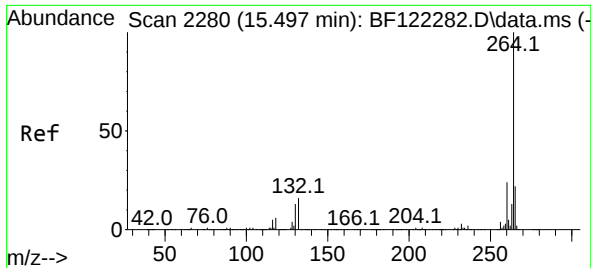


#83
Chrysene
Concen: 15.29 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33



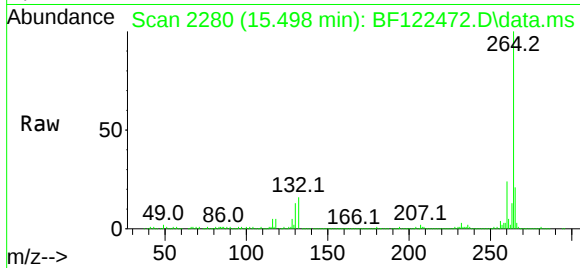
Tgt Ion:228 Resp: 455377
Ion Ratio Lower Upper
228 100
226 30.2 24.6 37.0
229 21.8 15.9 23.9





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.498 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33

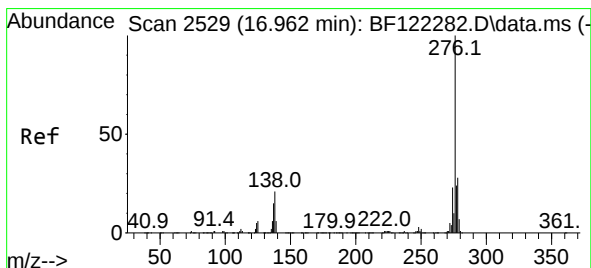
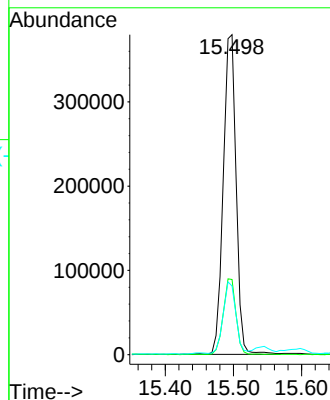
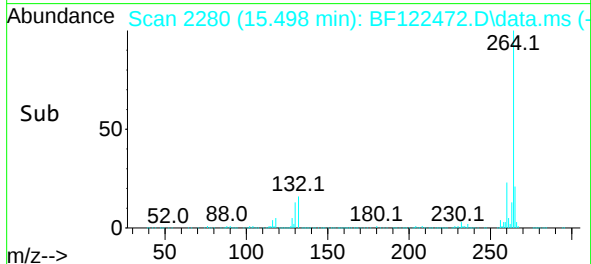
Instrument :
BNA_F
ClientSampled :
SB-06DL



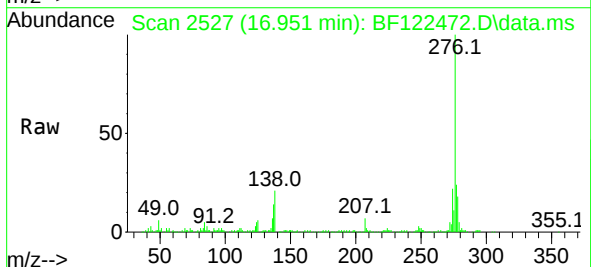
Tgt Ion:264 Resp: 498319
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 21.4 17.3 25.9

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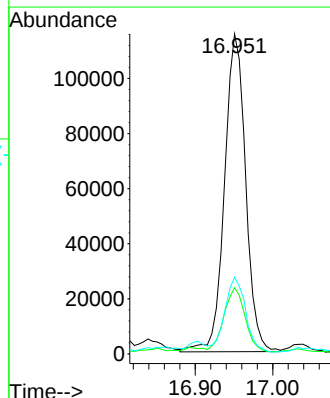
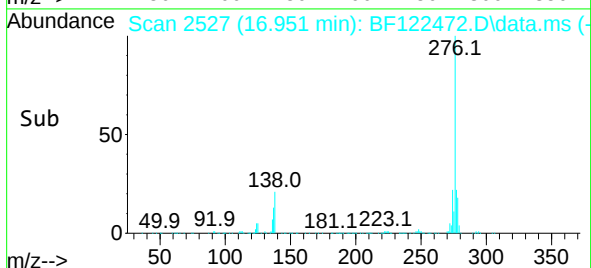
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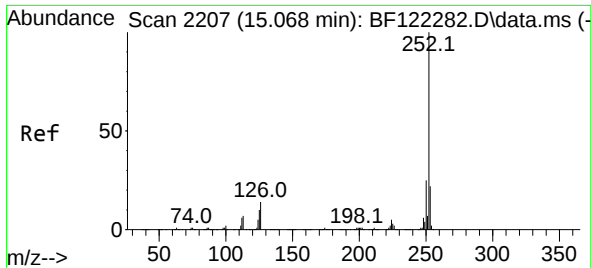


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.35 ng
RT: 16.951 min Scan# 2527
Delta R.T. -0.023 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33



Tgt Ion:276 Resp: 219665
Ion Ratio Lower Upper
276 100
138 20.0 19.9 29.9
277 23.0 20.4 30.6





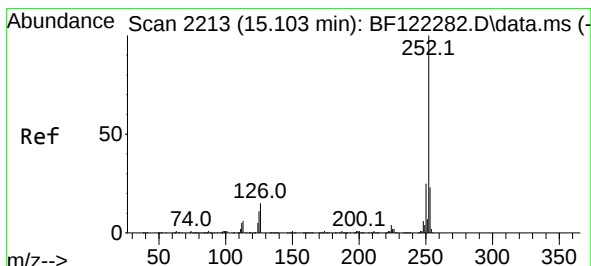
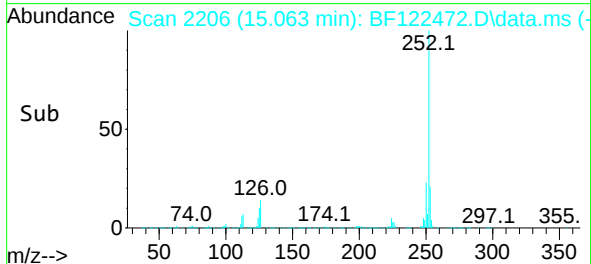
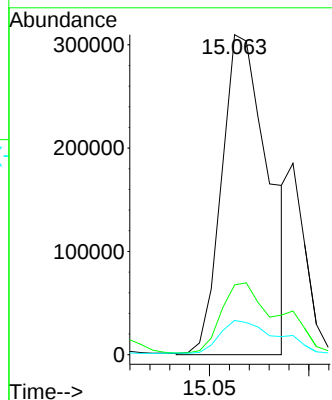
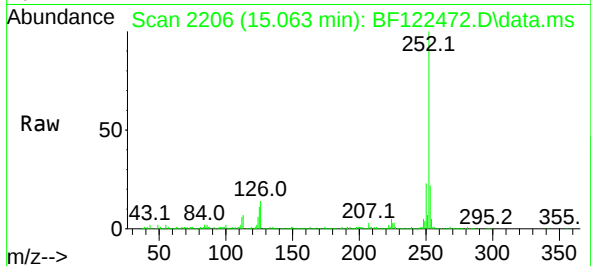
#88
Benzo(b)fluoranthene
Concen: 15.70 ng m
RT: 15.063 min Scan# 2206
Delta R.T. -0.012 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33

Instrument :
BNA_F
ClientSampled :
SB-06DL

Tgt Ion:252 Resp: 506658
Ion Ratio Lower Upper
252 100
253 21.8 18.2 27.2
125 10.7 8.0 12.0

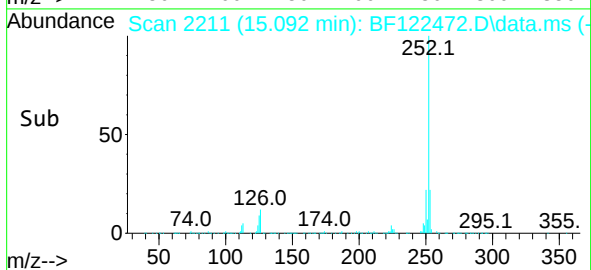
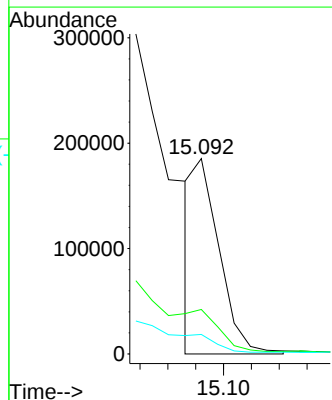
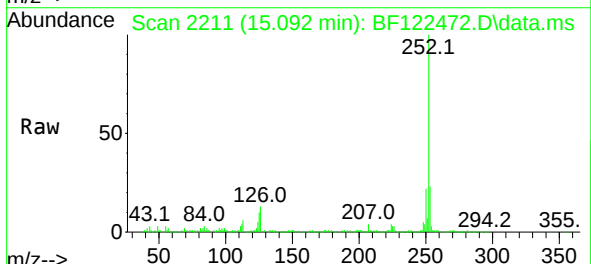
Manual Integrations
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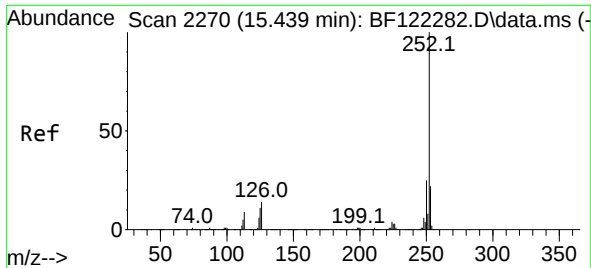
mohammad
11/25/2020 1:20:17 PM



#89
Benzo(k)fluoranthene
Concen: 3.76 ng m
RT: 15.092 min Scan# 2211
Delta R.T. -0.018 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33

Tgt Ion:252 Resp: 118207
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 10.0 7.7 11.5





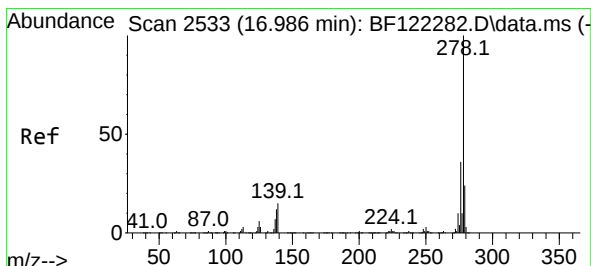
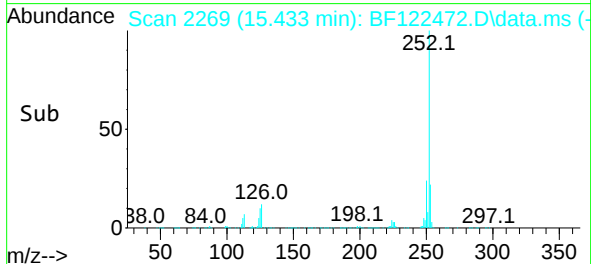
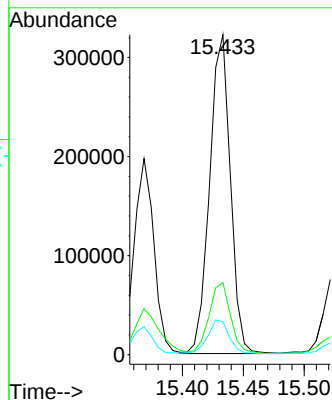
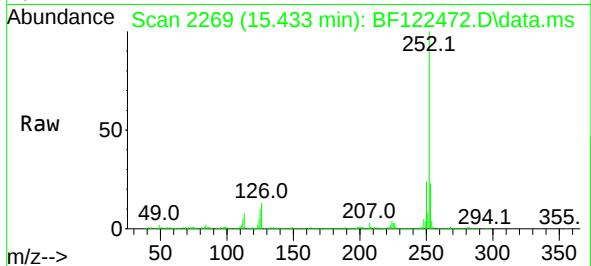
#90
Benzo(a)pyrene
Concen: 13.54 ng
RT: 15.433 min Scan# 2269
Delta R.T. -0.012 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33

Tgt Ion:252 Resp: 380939
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 10.3 8.6 13.0

Instrument :
BNA_F
ClientSampleId :
SB-06DL

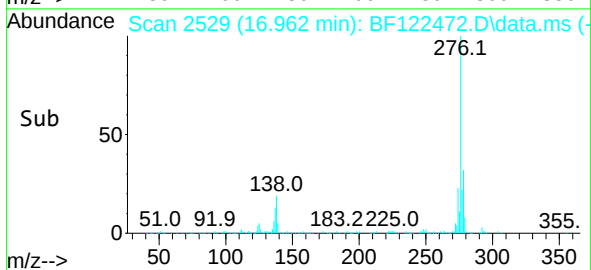
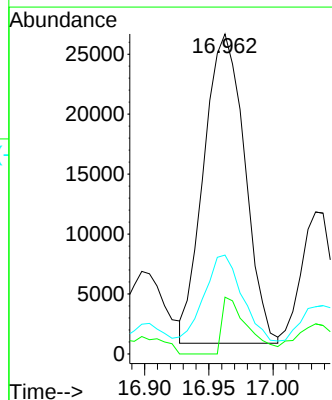
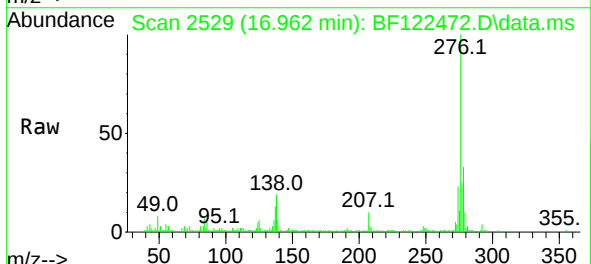
Manual Integrations
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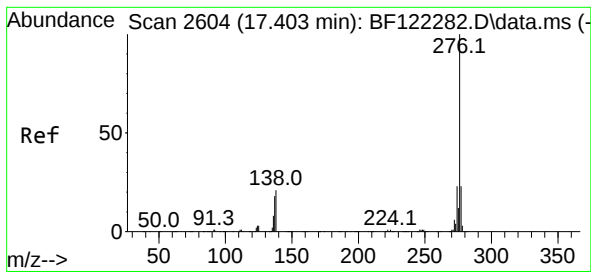
mohammad
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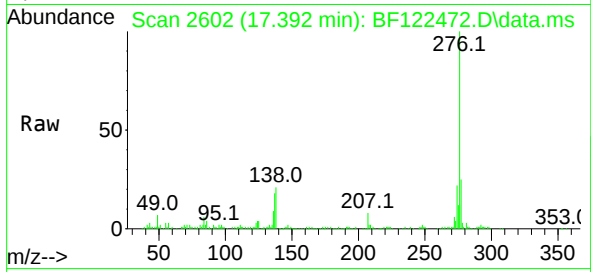
#91
Dibenzo(a,h)anthracene
Concen: 2.28 ng m
RT: 16.962 min Scan# 2529
Delta R.T. -0.029 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33

Tgt Ion:278 Resp: 57164
Ion Ratio Lower Upper
278 100
139 17.7 13.0 19.4
279 30.9 19.0 28.4#

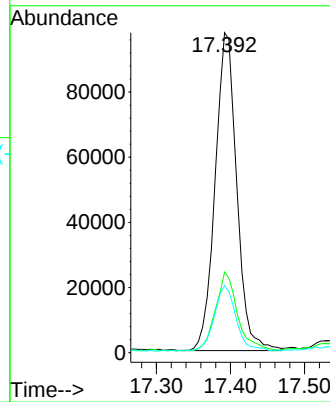
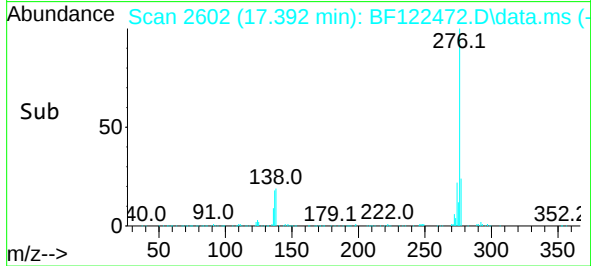




#92
Benzo(g,h,i)perylene
Concen: 8.11 ng
RT: 17.392 min Scan# 2602
Delta R.T. -0.029 min
Lab File: BF122472.D
Acq: 24 Nov 2020 17:33



Tgt Ion: 276 Resp: 197620
Ion Ratio Lower Upper
276 100
277 25.2 19.4 29.2
138 20.9 17.8 26.6



Instrument :
BNA_F
ClientSampleId :
SB-06DL

Manual Integrations
APPROVED

mohammad
11/25/2020 1:20:17 PM