

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
 Data File : BF122458.D
 Acq On : 23 Nov 2020 20:58
 Operator : JU/CG
 Sample : L4876-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2A

Manual Integrations
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Quant Time: Nov 24 00:28:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 13:27:02 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	160893	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	593605	20.00	ng	0.00
39) Acenaphthene-d10	9.910	164	284557	20.00	ng	0.00
64) Phenanthrene-d10	11.398	188	478977	20.00	ng	0.00
76) Chrysene-d12	14.045	240	453967	20.00	ng	0.00
86) Perylene-d12	15.533	264	520686	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	1053943	100.58	ng	0.00
7) Phenol-d6	6.498	99	1283679	93.65	ng	-0.01
23) Nitrobenzene-d5	7.428	82	778626	80.30	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	324371	106.21	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1267701	69.61	ng	0.00
79) Terphenyl-d14	12.986	244	1181487	55.14	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.504	94	109176	8.09	ng	90
31) Naphthalene	8.169	128	85085	2.70	ng	99
49) Acenaphthylene	9.769	152	56129	2.03	ng	98
50) Dimethylphthalate	9.622	163	70344	3.48	ng	100
52) Acenaphthene	9.939	154	88401	5.17	ng	99
55) Dibenzofuran	10.110	168	76027	3.03	ng	98
58) Fluorene	10.457	166	109052	5.68	ng	100
71) Phenanthrene	11.421	178	1329713	48.93	ng	99
72) Anthracene	11.474	178	297807	10.63	ng	99
73) Carbazole	11.627	167	119152	4.68	ng	99
75) Fluoranthene	12.627	202	1572627	55.43	ng	96
78) Pyrene	12.845	202	1531205	48.01	ng	100
81) Benzo(a)anthracene	14.033	228	733702	25.99	ng	99
83) Chrysene	14.074	228	680892	23.94	ng	98
84) Bis(2-ethylhexyl)phtha...	14.027	149	52996	3.45	ng	99
87) Indeno(1,2,3-cd)pyrene	17.015	276	415230	13.29	ng	94
88) Benzo(b)fluoranthene	15.098	252	913130m	27.08	ng	
89) Benzo(k)fluoranthene	15.121	252	269367m	8.19	ng	
90) Benzo(a)pyrene	15.468	252	705853	24.01	ng	97
91) Dibenzo(a,h)anthracene	17.021	278	104036	3.98	ng	93
92) Benzo(g,h,i)perylene	17.462	276	385780	15.16	ng	97

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

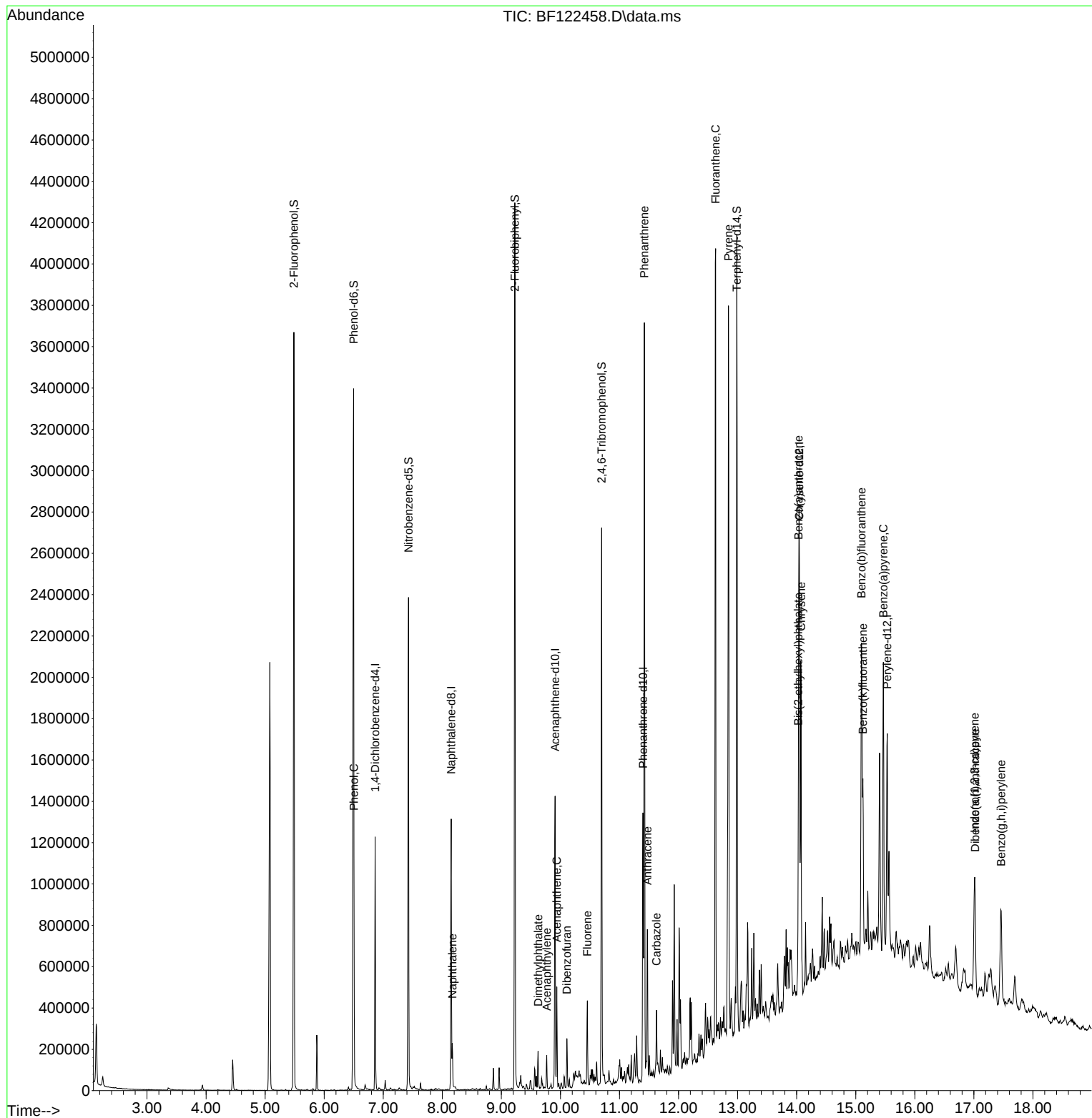
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122458.D
Acq On : 23 Nov 2020 20:58
Operator : JU/CG
Sample : L4876-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

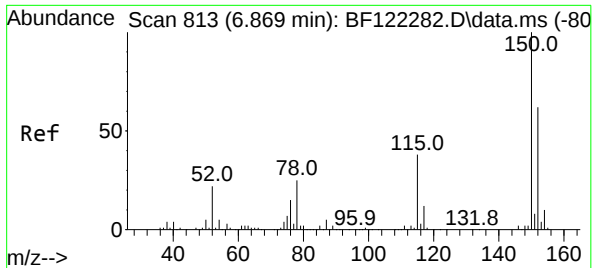
Instrument :
BNA_F
ClientSampleId :
TP-2A

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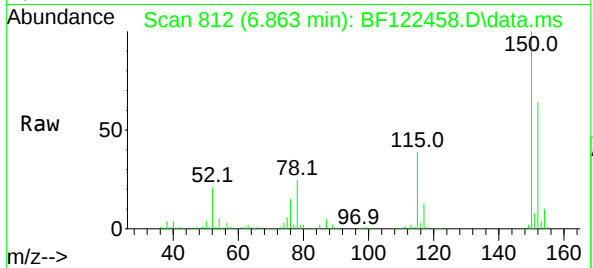
Quant Time: Nov 24 00:28:13 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 13:27:02 2020
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58

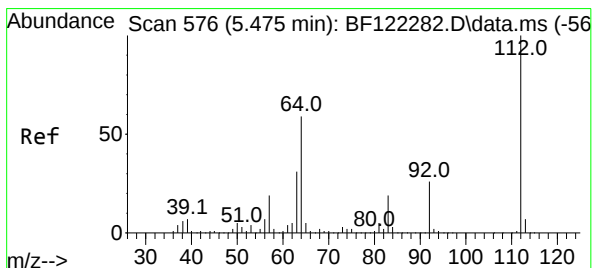
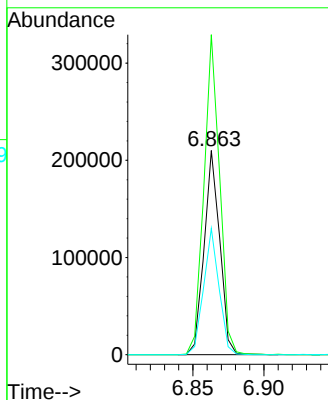
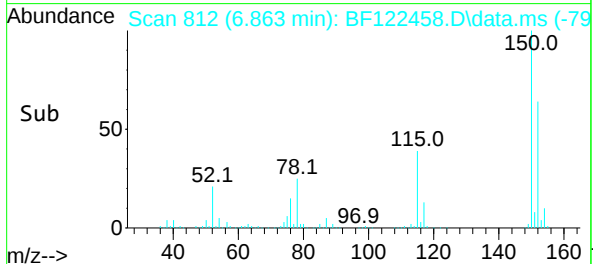
Instrument :
BNA_F
ClientSampled :
TP-2A



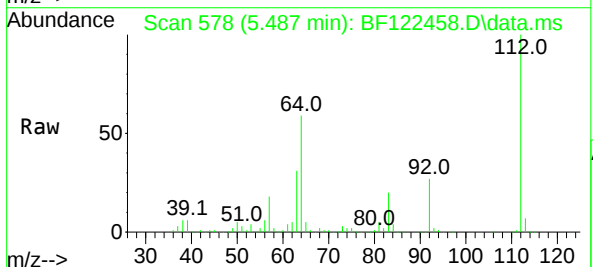
Tgt Ion:152 Resp: 160893
Ion Ratio Lower Upper
152 100
150 156.8 125.3 187.9
115 61.8 51.9 77.9

Manual Integrations
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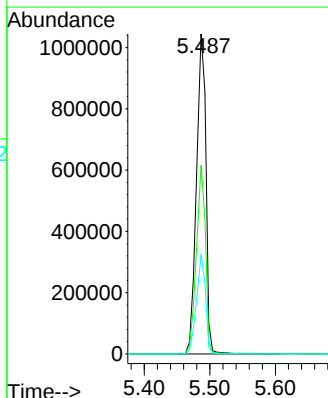
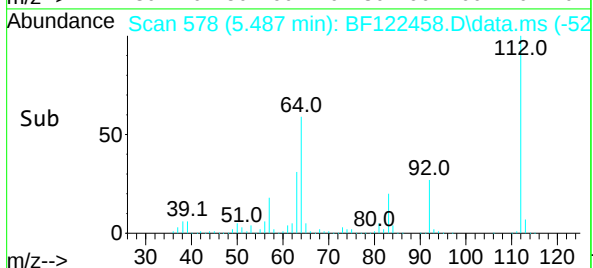
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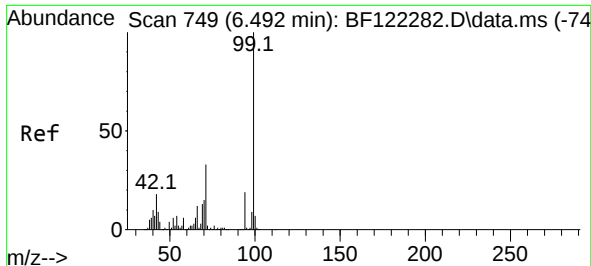


#5
2-Fluorophenol
Concen: 100.58 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58



Tgt Ion:112 Resp: 1053943
Ion Ratio Lower Upper
112 100
64 58.9 50.4 75.6
63 30.9 25.8 38.6





#7
Phenol-d6
Concen: 93.65 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.012 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58

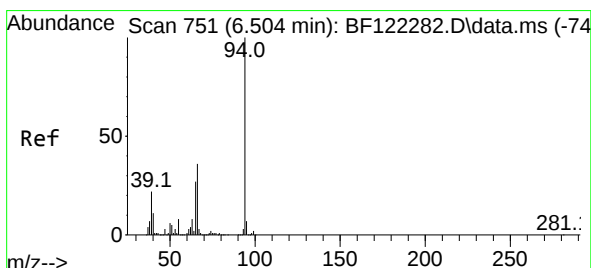
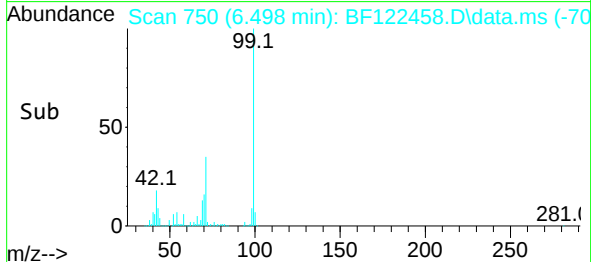
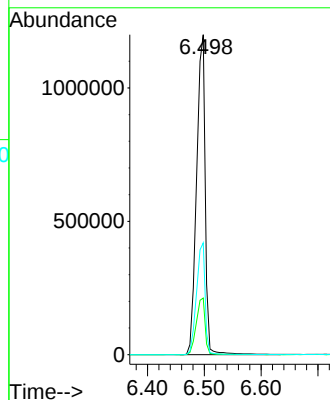
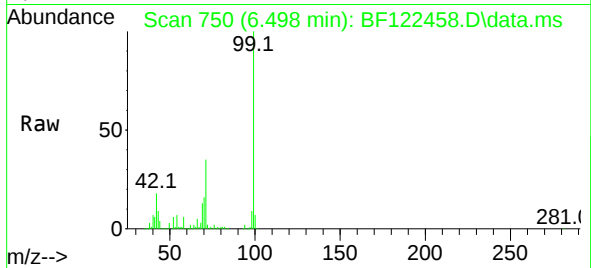
Tgt Ion: 99 Resp: 1283679

Ion	Ratio	Lower	Upper
99	100		
42	17.7	15.9	23.9
71	34.9	27.1	40.7

Instrument :
BNA_F
ClientSampleId :
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Manual Integrations
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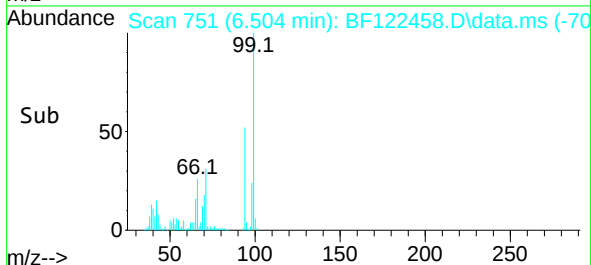
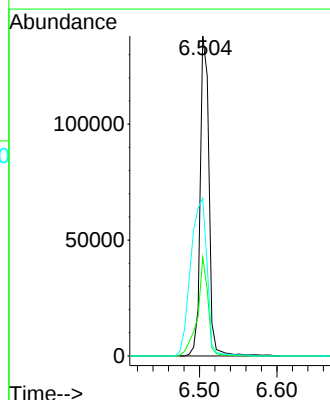
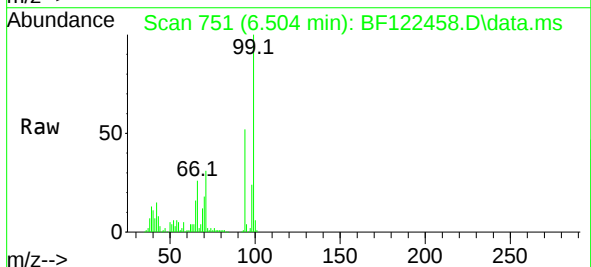
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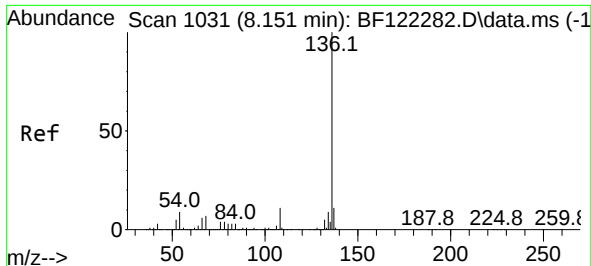


#10
Phenol
Concen: 8.09 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.018 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58

Tgt Ion: 94 Resp: 109176

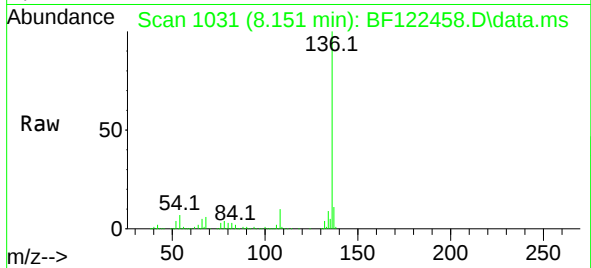
Ion	Ratio	Lower	Upper
94	100		
65	30.7	17.1	57.1
66	49.3	36.0	76.0





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58

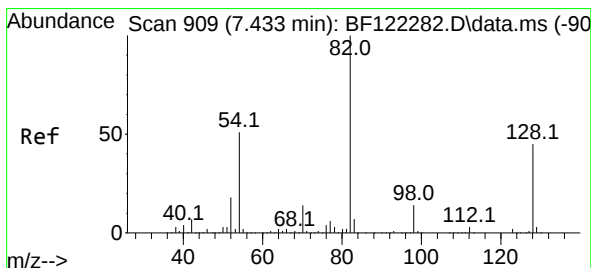
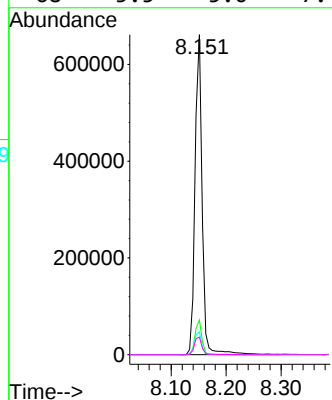
Instrument :
BNA_F
ClientSampled :
TP-2A



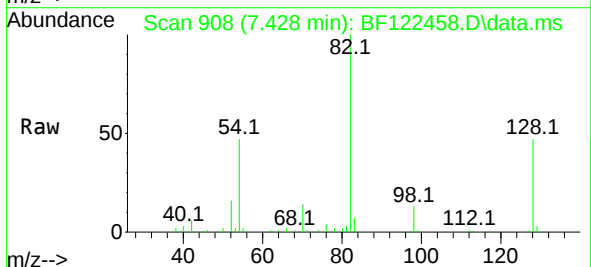
Tgt Ion:	136	Resp:	593605
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	7.1	7.1	10.7
68	5.5	5.0	7.4

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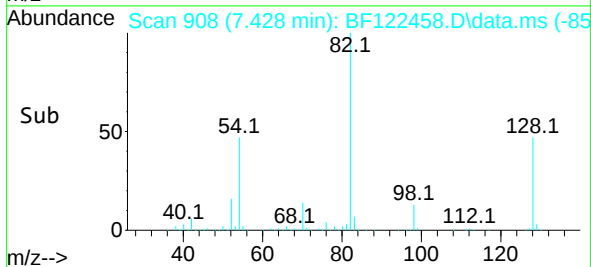
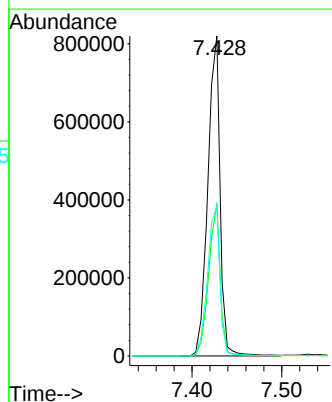
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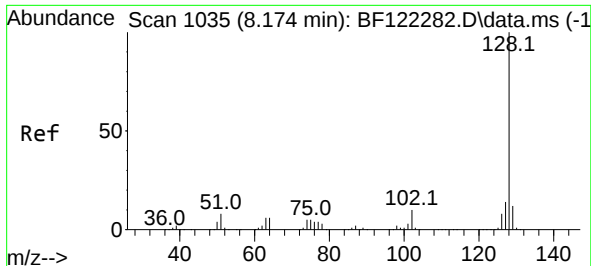


#23
Nitrobenzene-d5
Concen: 80.30 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58

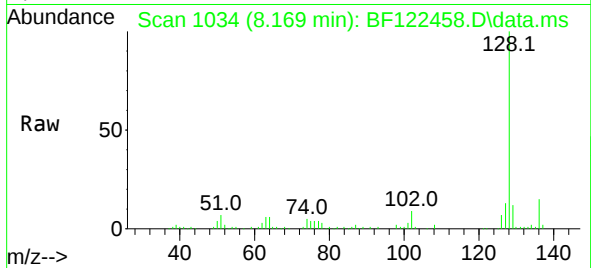


Tgt Ion:	82	Resp:	778626
Ion	Ratio	Lower	Upper
82	100		
128	47.4	35.0	52.4
54	46.8	43.9	65.9

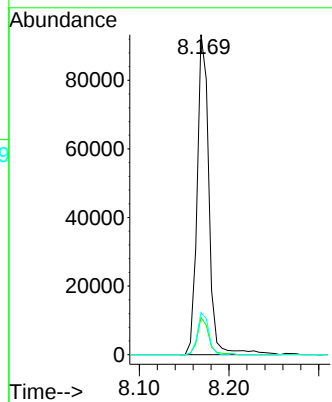
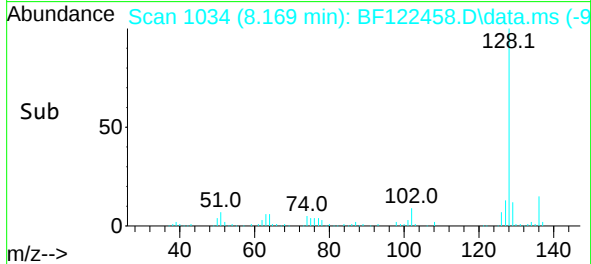




#31
Naphthalene
Concen: 2.70 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58



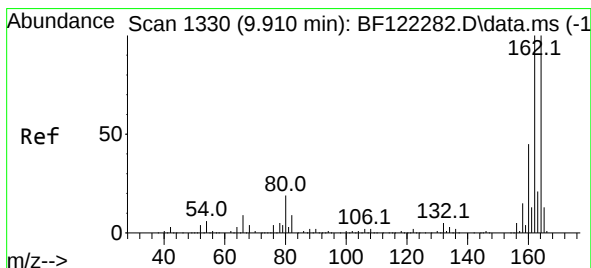
Tgt Ion:128 Resp: 85085
Ion Ratio Lower Upper
128 100
129 11.6 8.7 13.1
127 13.2 10.8 16.2



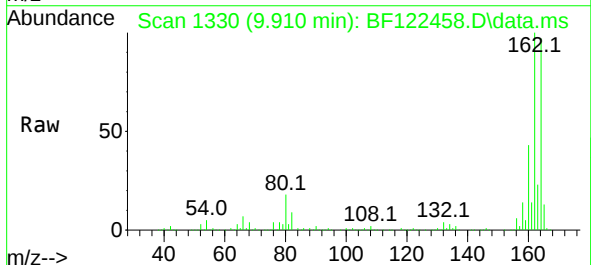
Instrument :
BNA_F
ClientSampleId :
TP-2A

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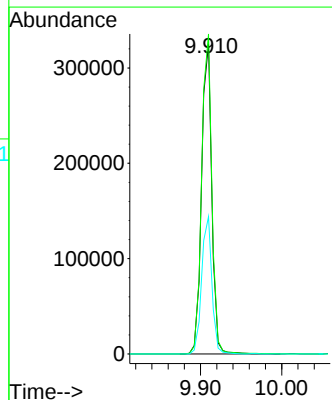
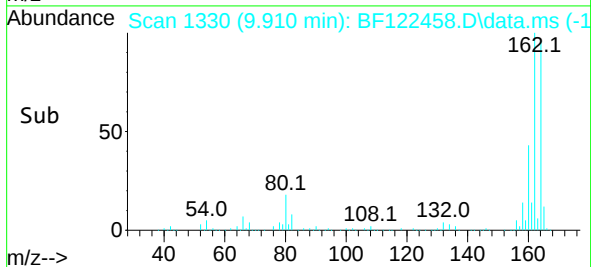
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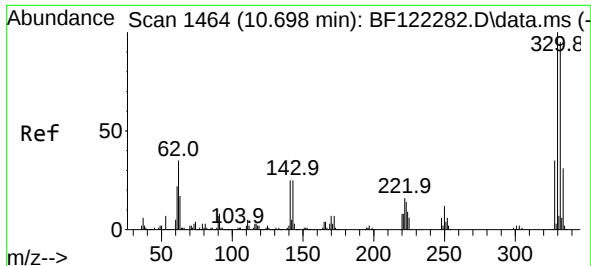


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58



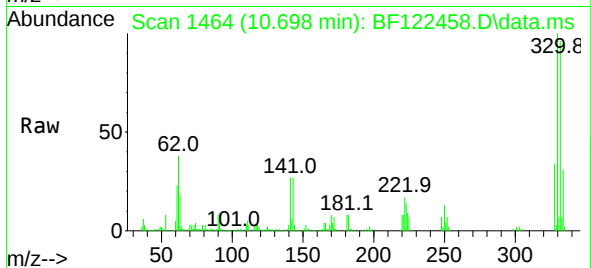
Tgt Ion:164 Resp: 284557
Ion Ratio Lower Upper
164 100
162 103.1 83.2 124.8
160 44.3 37.5 56.3





#42
2,4,6-Tribromophenol
Concen: 106.21 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58

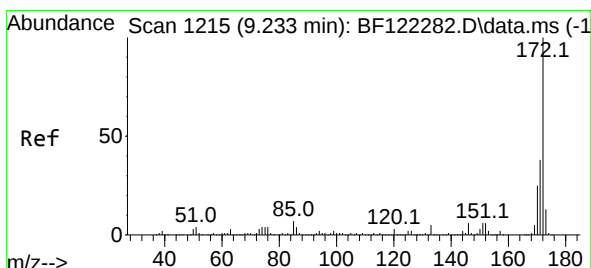
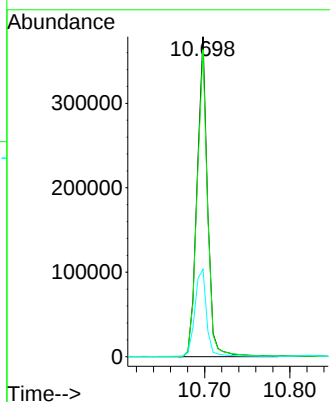
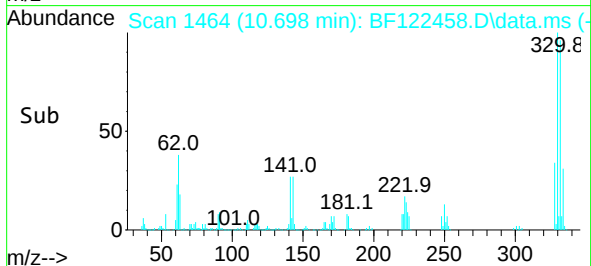
Instrument :
BNA_F
ClientSampled :
TP-2A



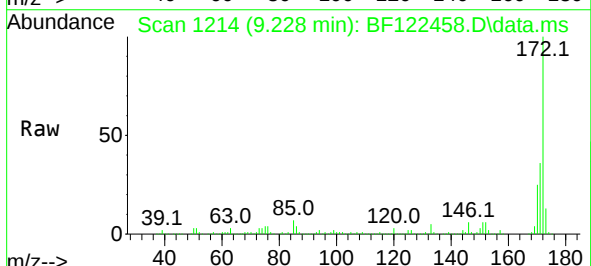
Tgt Ion: 330 Resp: 324371
Ion Ratio Lower Upper
330 100
332 97.4 77.3 115.9
141 31.2 22.3 33.5

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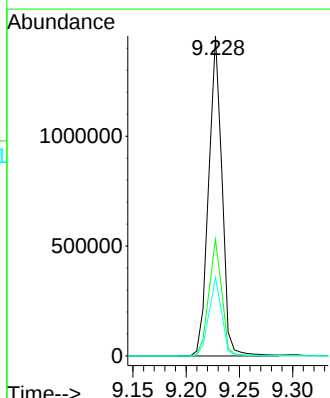
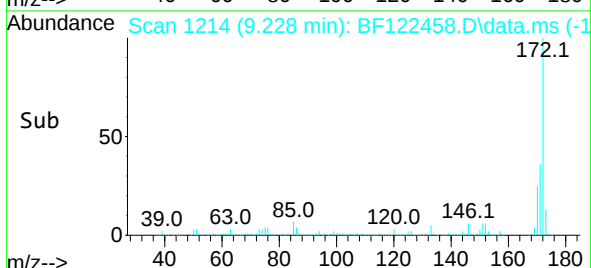
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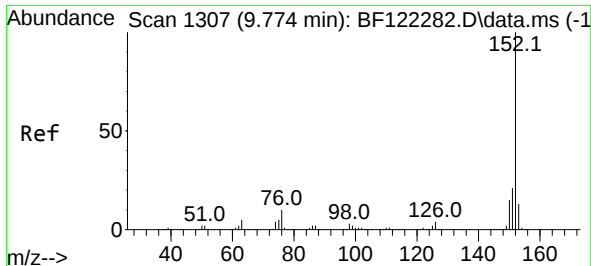


#45
2-Fluorobiphenyl
Concen: 69.61 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58



Tgt Ion: 172 Resp: 1267701
Ion Ratio Lower Upper
172 100
171 36.5 29.1 43.7
170 24.5 19.8 29.6





#49

Acenaphthylene

Concen: 2.03 ng

RT: 9.769 min Scan# 1306

Delta R.T. -0.006 min

Lab File: BF122458.D

Acq: 23 Nov 2020 20:58

Tgt Ion:	152	Resp:	56129
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.4	24.6
153	14.1	10.6	15.8

Instrument :

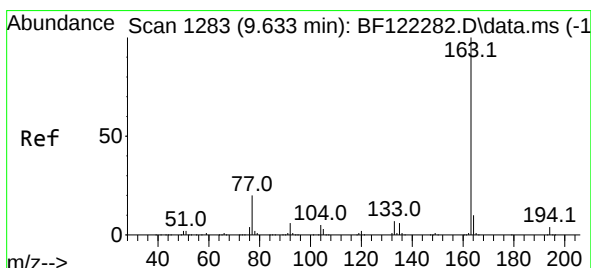
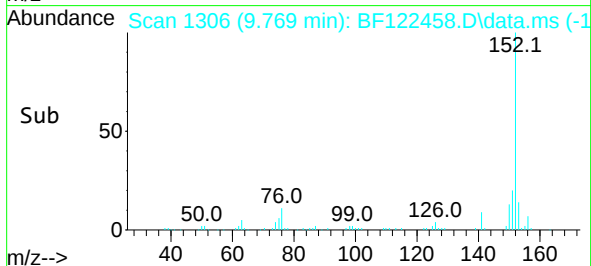
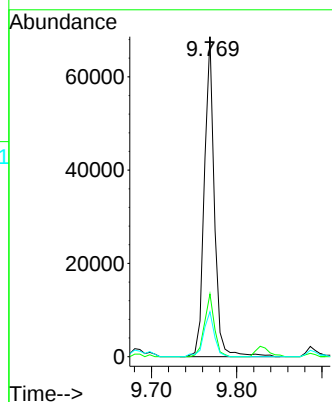
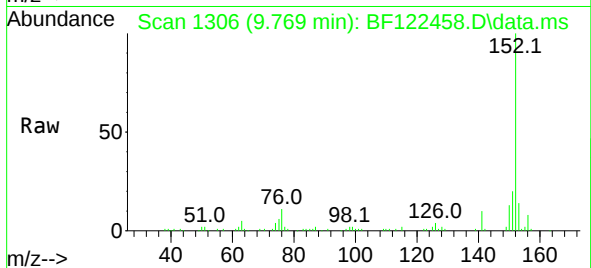
BNA_F

ClientSampled :

TP-2A

Manual Integrations
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#50

Dimethylphthalate

Concen: 3.48 ng

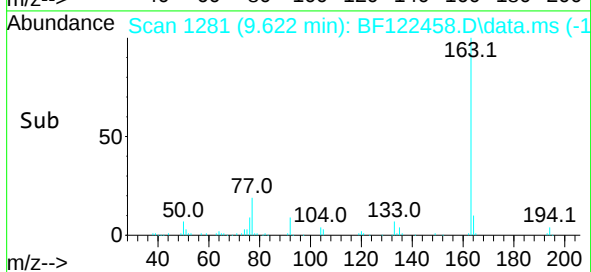
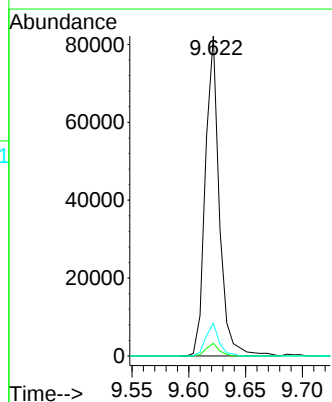
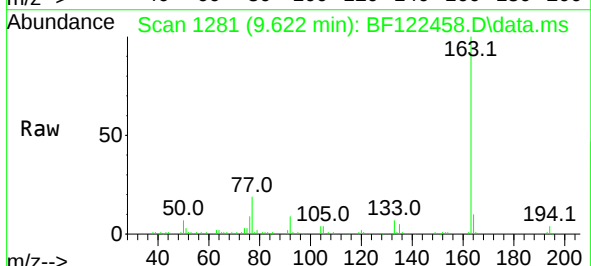
RT: 9.622 min Scan# 1281

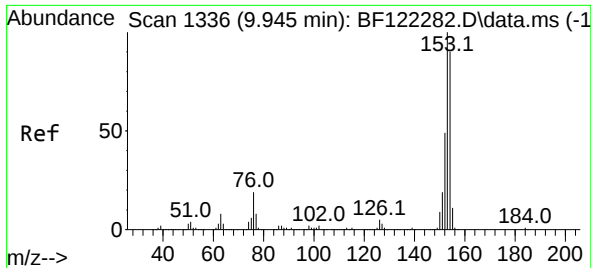
Delta R.T. -0.018 min

Lab File: BF122458.D

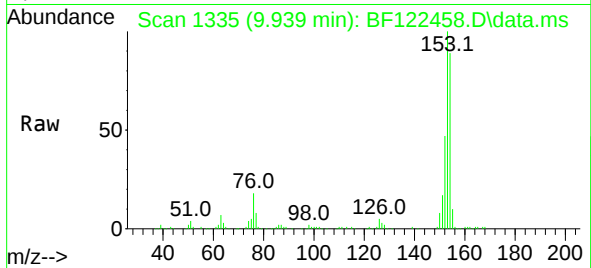
Acq: 23 Nov 2020 20:58

Tgt Ion:	163	Resp:	70344
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.3	4.9
164	10.2	8.2	12.4

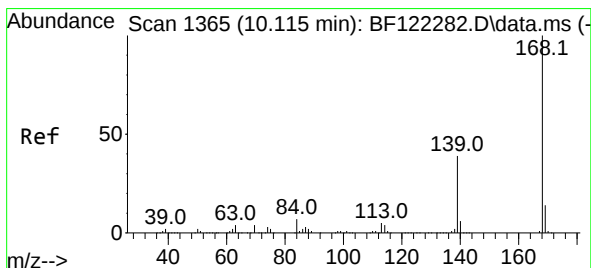
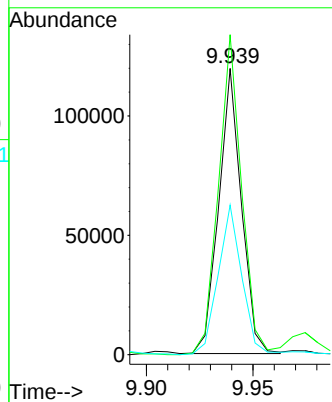
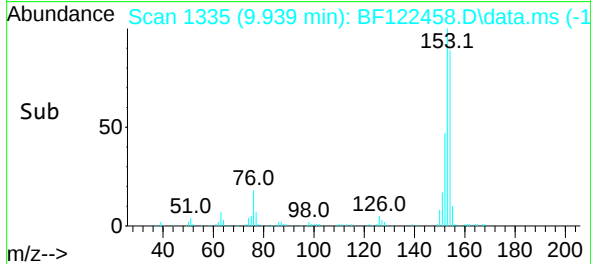




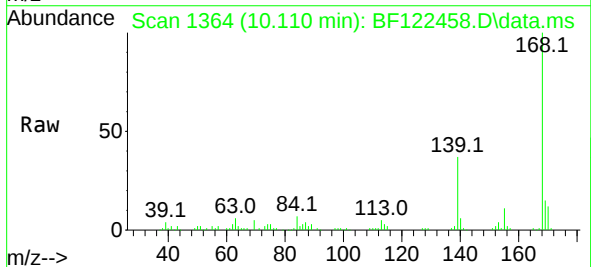
#52
Acenaphthene
Concen: 5.17 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.012 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58



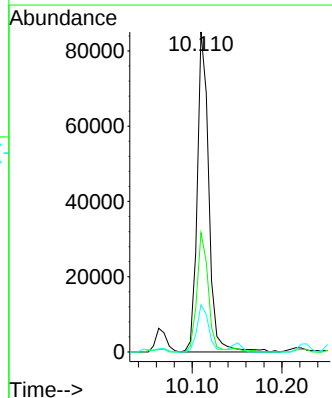
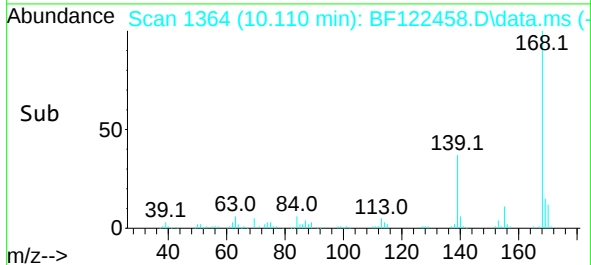
Tgt Ion:154 Resp: 88401
Ion Ratio Lower Upper
154 100
153 111.8 89.8 134.8
152 52.2 43.2 64.8



#55
Dibenzofuran
Concen: 3.03 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.012 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58



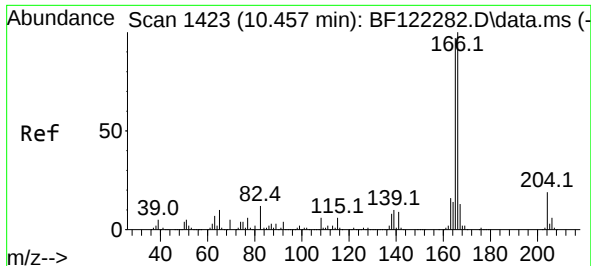
Tgt Ion:168 Resp: 76027
Ion Ratio Lower Upper
168 100
139 37.3 31.0 46.6
169 14.7 11.3 16.9



Instrument :
BNA_F
ClientSampled :
TP-2A

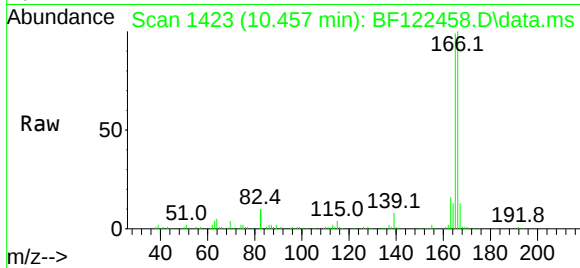
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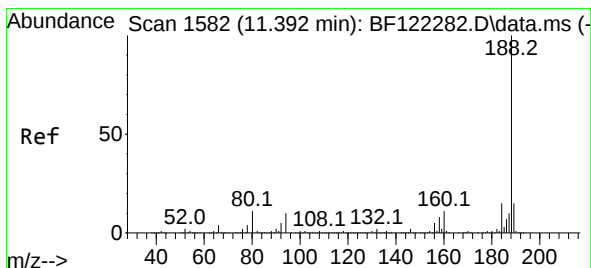
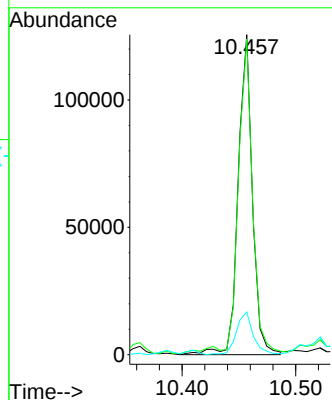
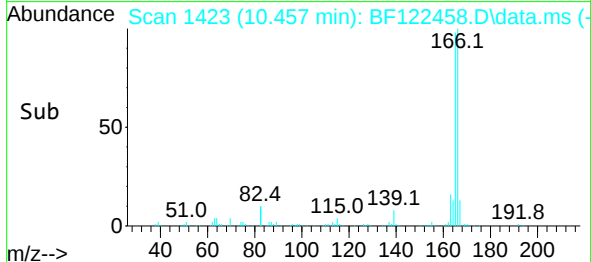


#58
Fluorene
Concen: 5.68 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58

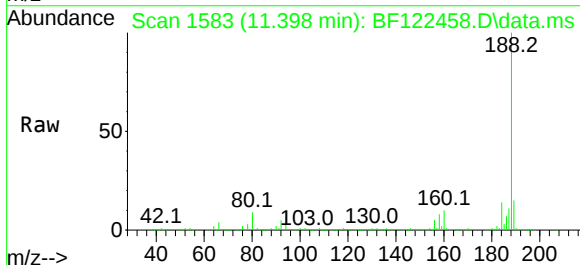
Instrument :
BNA_F
ClientSampled :
TP-2A



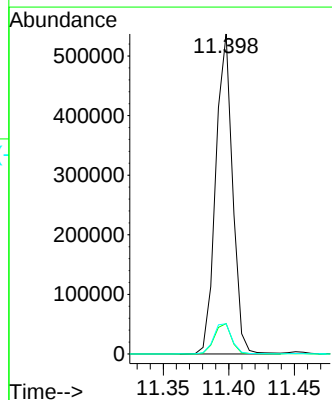
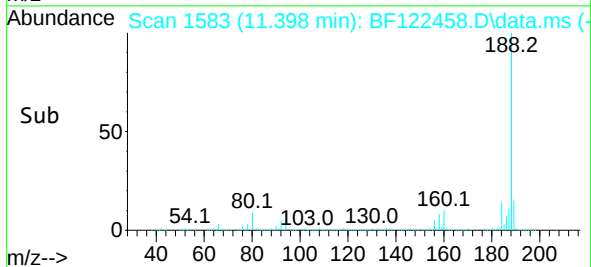
Tgt Ion:166 Resp: 109052
Ion Ratio Lower Upper
166 100
165 98.7 79.1 118.7
167 13.4 11.0 16.6

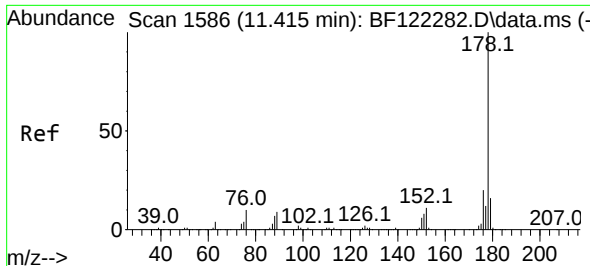


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58



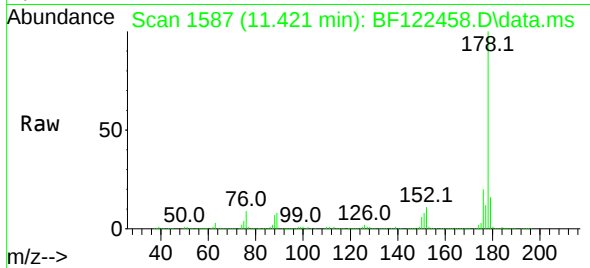
Tgt Ion:188 Resp: 478977
Ion Ratio Lower Upper
188 100
94 9.5 8.3 12.5
80 9.5 9.1 13.7





#71
Phenanthrene
Concen: 48.93 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58

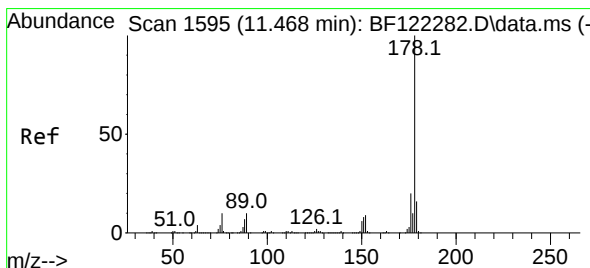
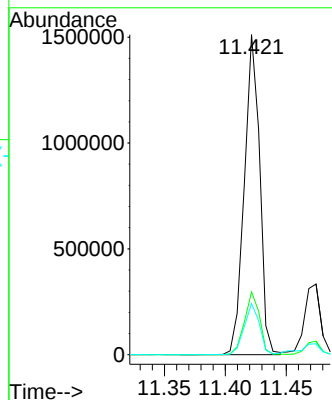
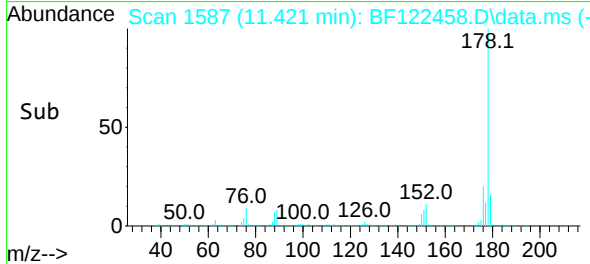
Instrument :
BNA_F
ClientSampled :
TP-2A



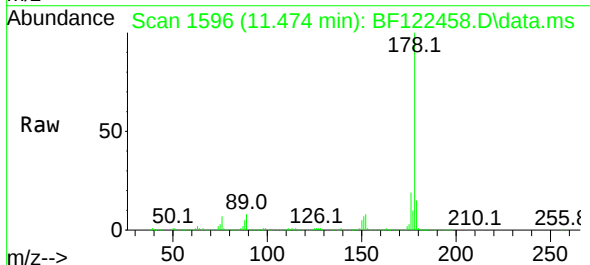
Tgt Ion:178 Resp: 1329713
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 16.0 12.2 18.4

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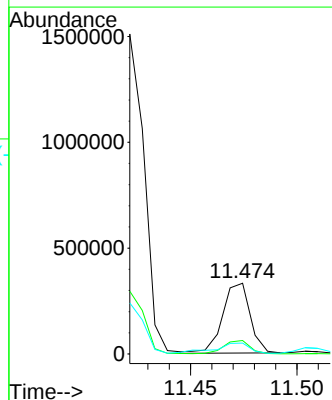
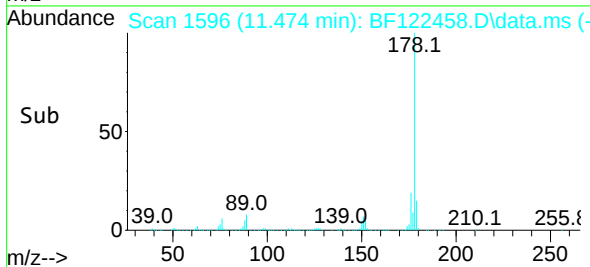
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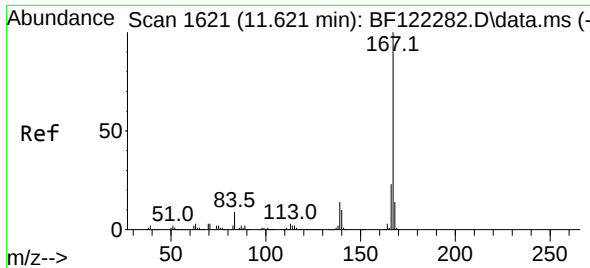


#72
Anthracene
Concen: 10.63 ng
RT: 11.474 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58

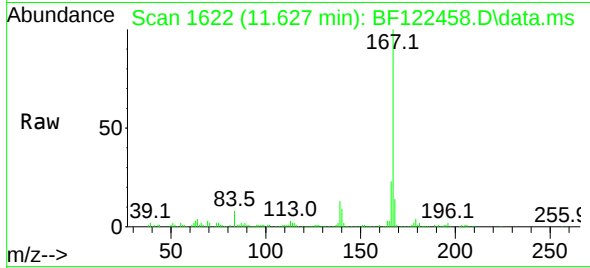


Tgt Ion:178 Resp: 297807
Ion Ratio Lower Upper
178 100
176 19.0 15.7 23.5
179 15.4 12.7 19.1

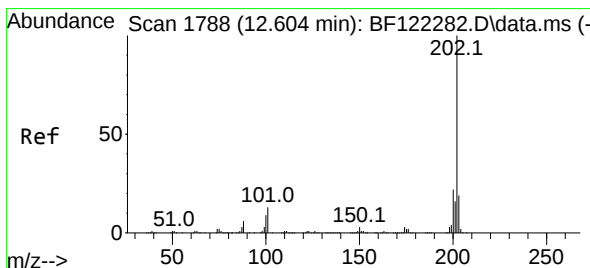
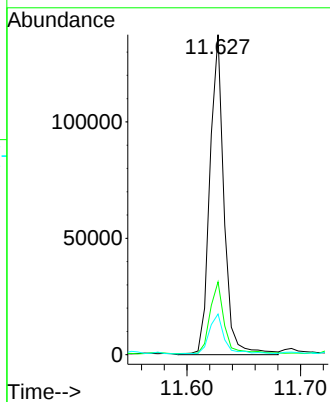
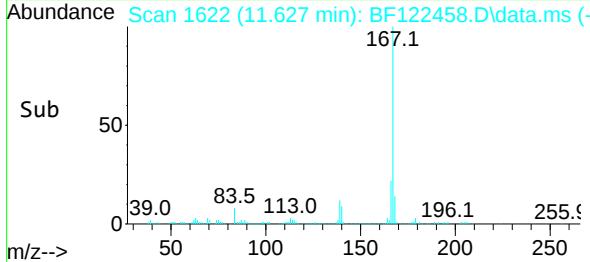




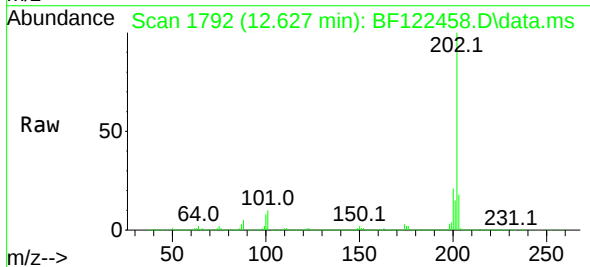
#73
 Carbazole
 Concen: 4.68 ng
 RT: 11.627 min Scan# 1622
 Delta R.T. -0.006 min
 Lab File: BF122458.D
 Acq: 23 Nov 2020 20:58



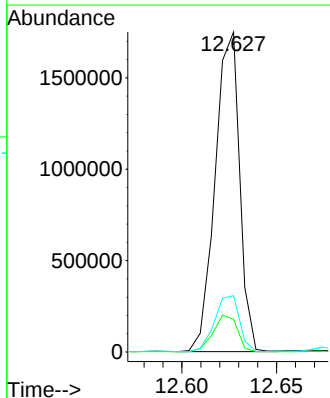
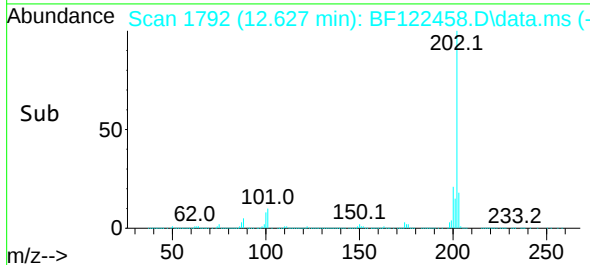
Tgt Ion:167 Resp: 119152
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.8 26.6
 139 12.7 10.8 16.2



#75
 Fluoranthene
 Concen: 55.43 ng
 RT: 12.627 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: BF122458.D
 Acq: 23 Nov 2020 20:58



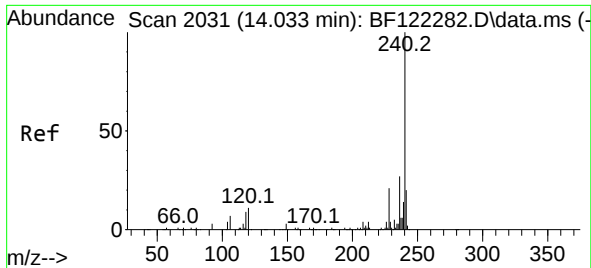
Tgt Ion:202 Resp: 1572627
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 33.4
 203 17.6 0.0 37.9



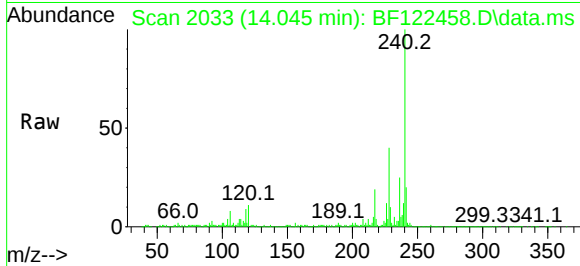
Instrument :
 BNA_F
 ClientSampleId :
 TP-2A

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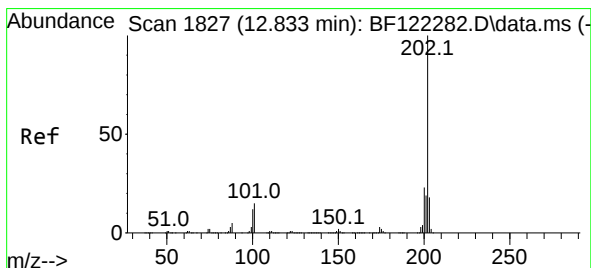
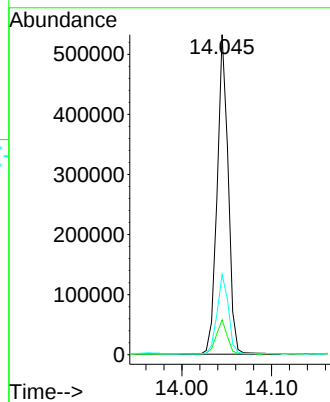
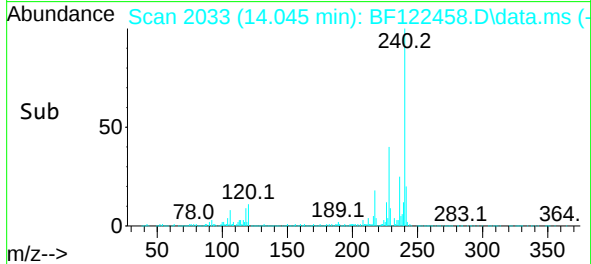
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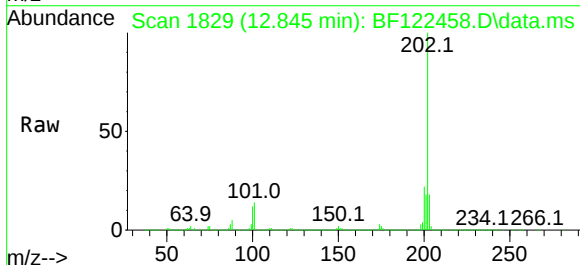
#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58



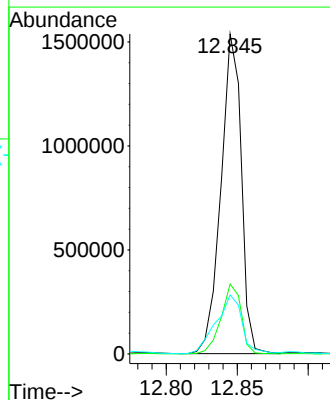
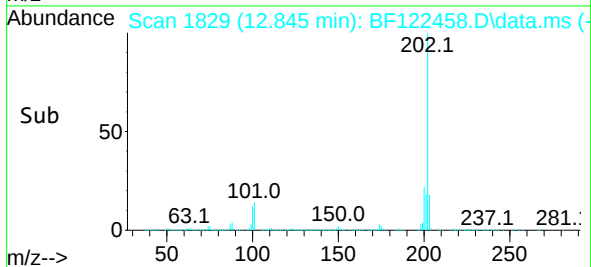
Tgt Ion:240 Resp: 453967
Ion Ratio Lower Upper
240 100
120 10.9 9.2 13.8
236 25.0 20.9 31.3



#78
Pyrene
Concen: 48.01 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58



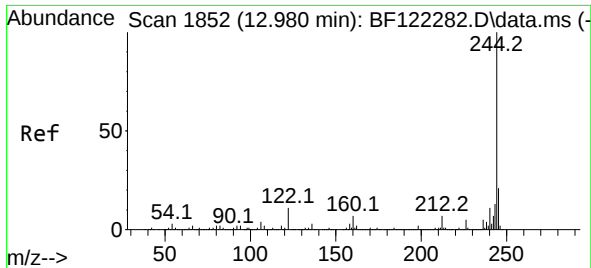
Tgt Ion:202 Resp: 1531205
Ion Ratio Lower Upper
202 100
200 21.8 17.4 26.2
203 18.4 14.6 21.8



Instrument :
BNA_F
ClientSampleId :
TP-2A

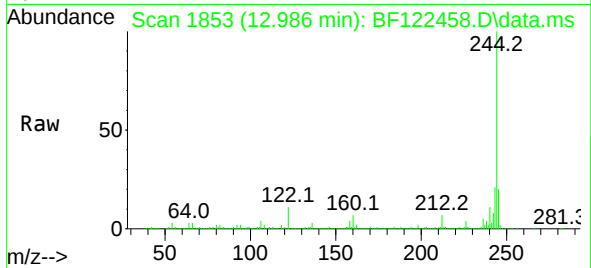
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#79
Terphenyl-d14
Concen: 55.14 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58

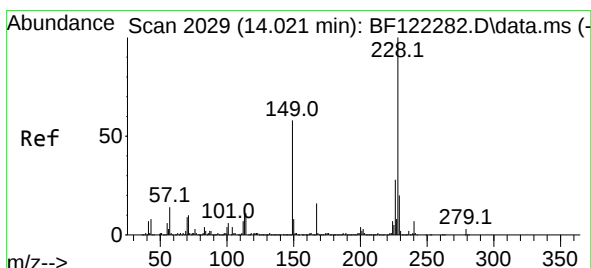
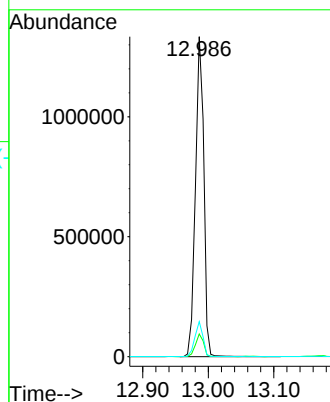
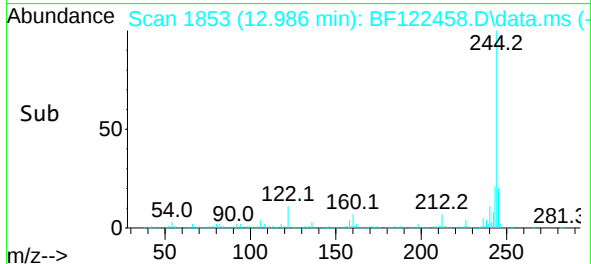
Instrument :
BNA_F
ClientSampleId :
TP-2A



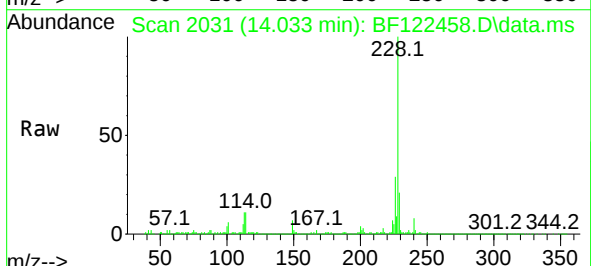
Tgt Ion:244 Resp: 1181487
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.2
122 10.9 8.1 12.1

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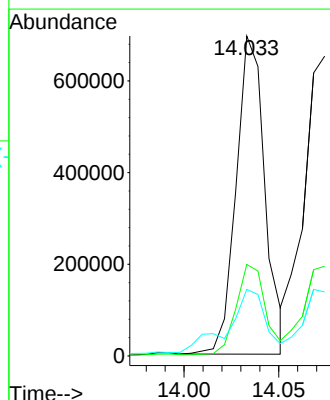
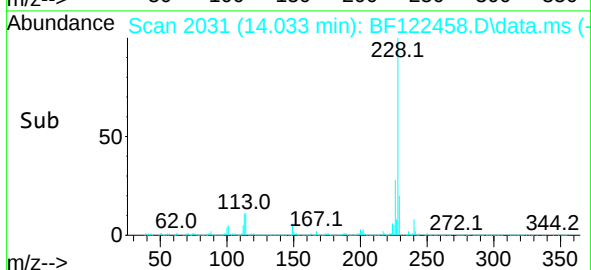
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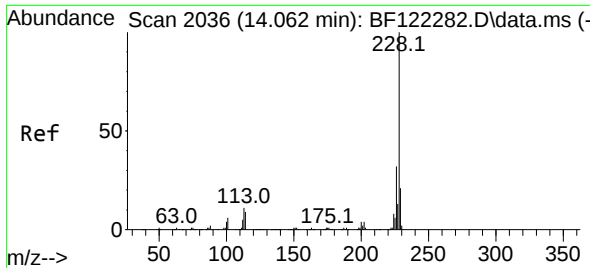


#81
Benzo(a)anthracene
Concen: 25.99 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58

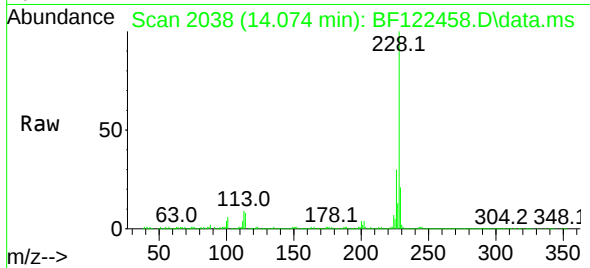


Tgt Ion:228 Resp: 733702
Ion Ratio Lower Upper
228 100
226 28.6 22.3 33.5
229 20.8 16.2 24.4

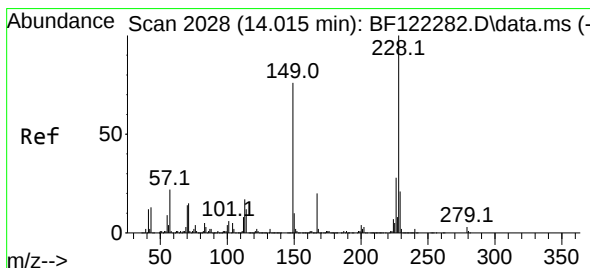
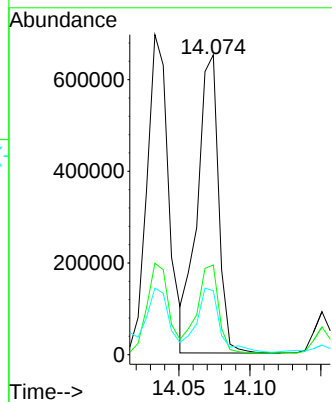
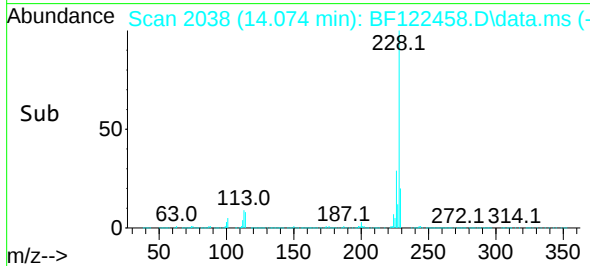




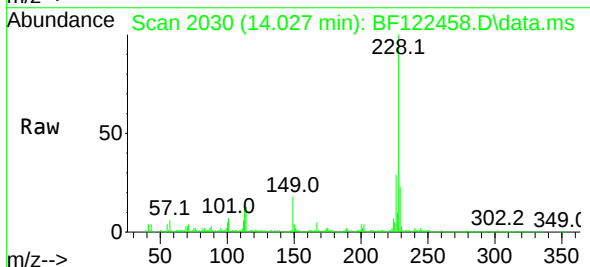
#83
Chrysene
Concen: 23.94 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58



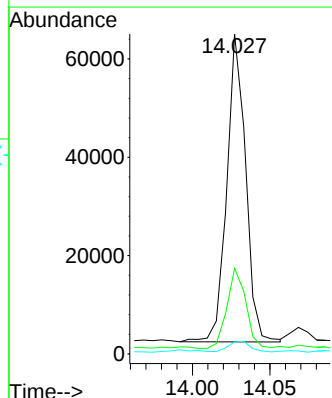
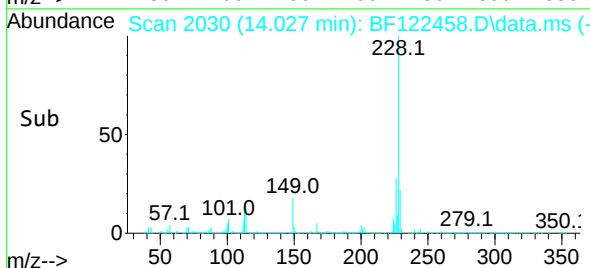
Tgt Ion:228 Resp: 680892
Ion Ratio Lower Upper
228 100
226 30.0 24.6 37.0
229 21.3 15.9 23.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.45 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58



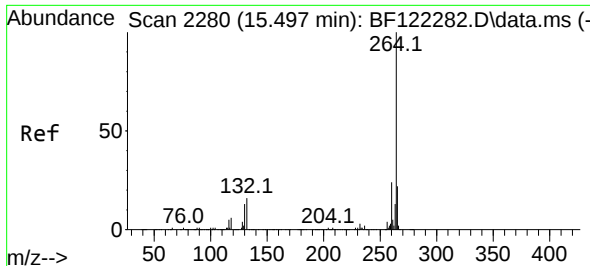
Tgt Ion:149 Resp: 52996
Ion Ratio Lower Upper
149 100
167 26.8 20.9 31.3
279 3.8 3.2 4.8



Instrument :
BNA_F
ClientSampleId :
TP-2A

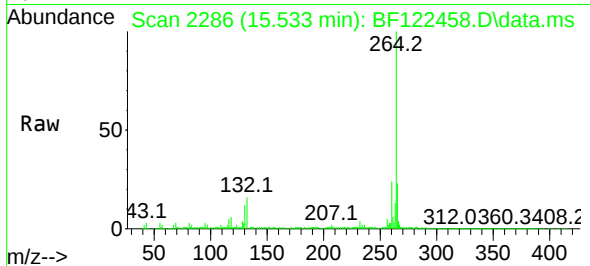
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.533 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58

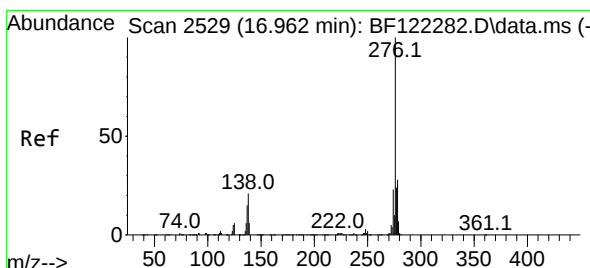
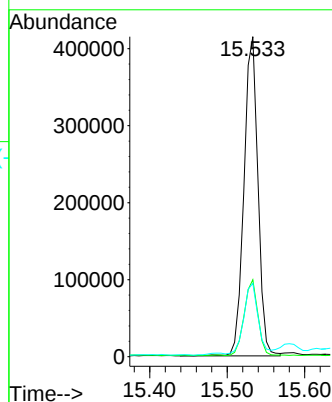
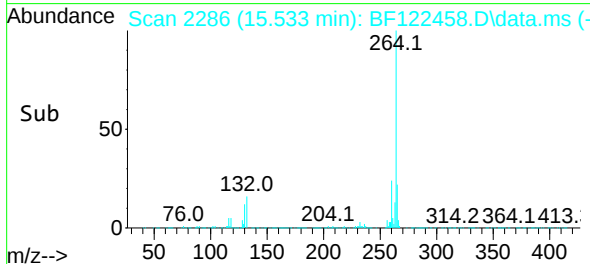
Instrument :
BNA_F
ClientSampled :
TP-2A



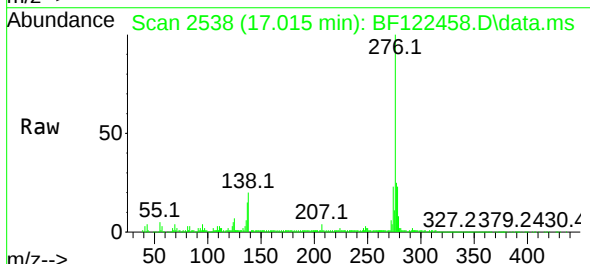
Tgt Ion:264 Resp: 520686
Ion Ratio Lower Upper
264 100
260 24.0 18.7 28.1
265 22.9 17.3 25.9

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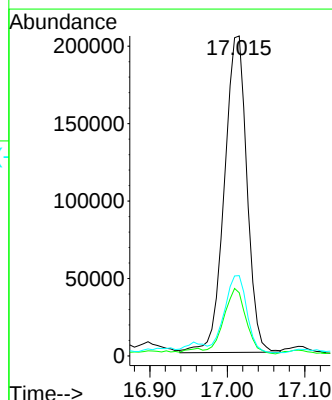
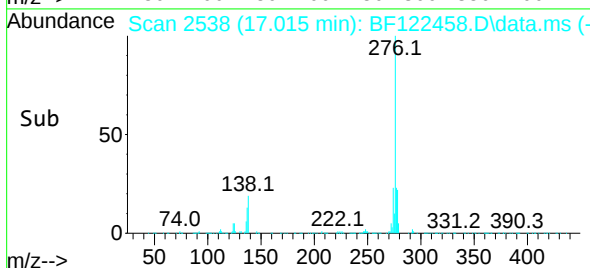
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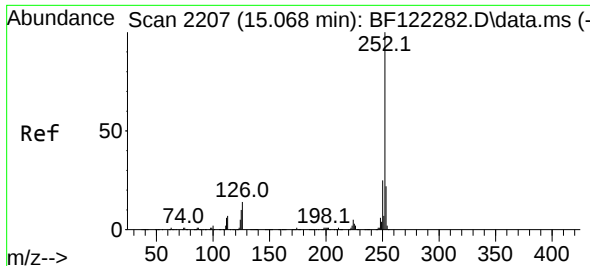


#87
Indeno(1,2,3-cd)pyrene
Concen: 13.29 ng
RT: 17.015 min Scan# 2538
Delta R.T. -0.006 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58

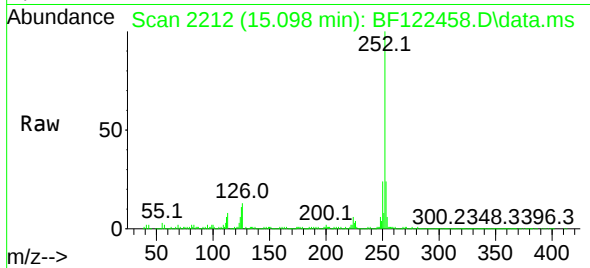


Tgt Ion:276 Resp: 415230
Ion Ratio Lower Upper
276 100
138 20.4 19.9 29.9
277 24.1 20.4 30.6

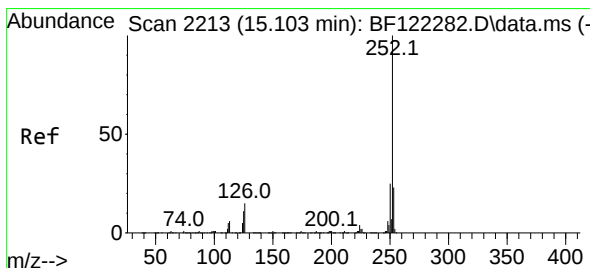
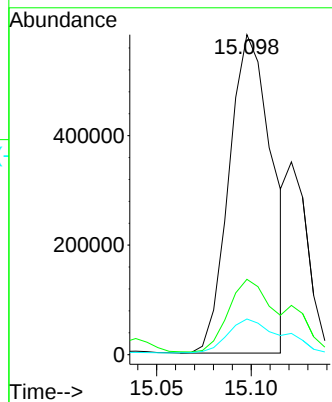
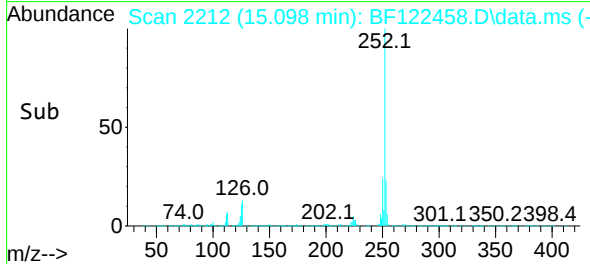




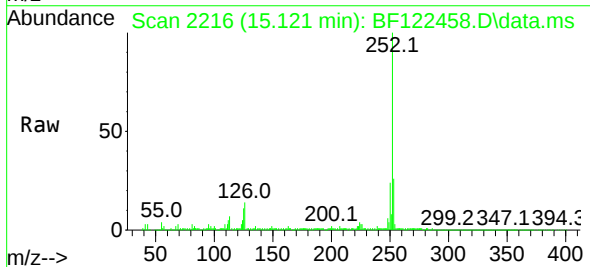
#88
Benzo(b)fluoranthene
Concen: 27.08 ng m
RT: 15.098 min Scan# 2212
Delta R.T. -0.000 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58



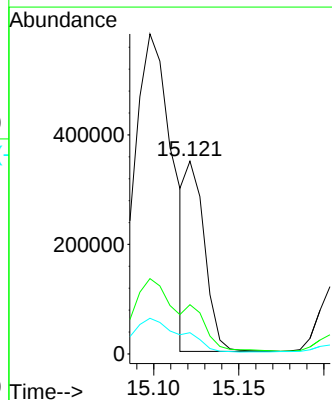
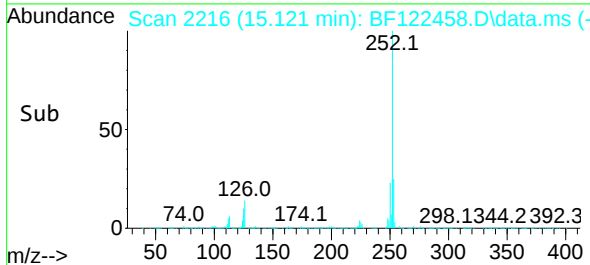
Tgt Ion:252 Resp: 913130
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.2
125 11.2 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 8.19 ng m
RT: 15.121 min Scan# 2216
Delta R.T. -0.012 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58



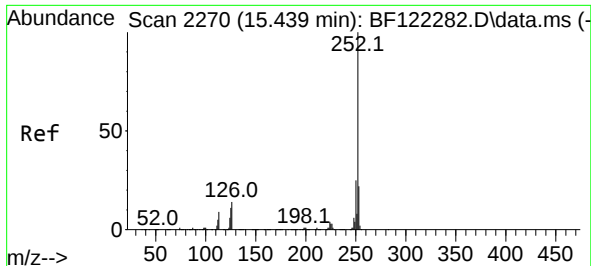
Tgt Ion:252 Resp: 269367
Ion Ratio Lower Upper
252 100
253 25.5 17.8 26.6
125 11.1 7.7 11.5



Instrument :
BNA_F
ClientSampled :
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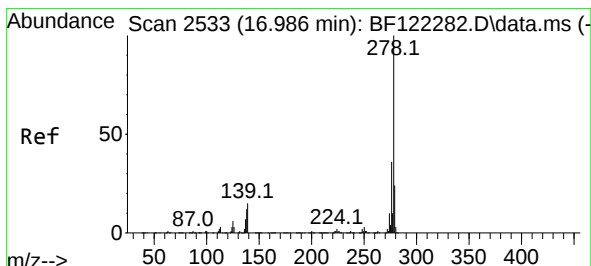
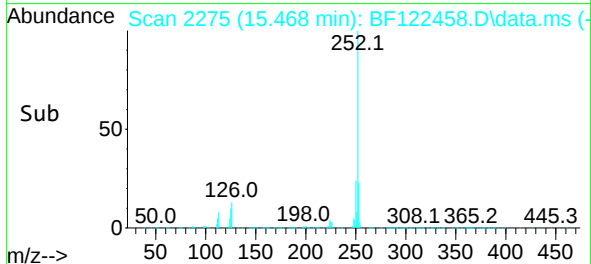
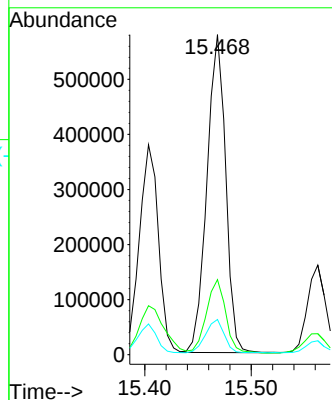
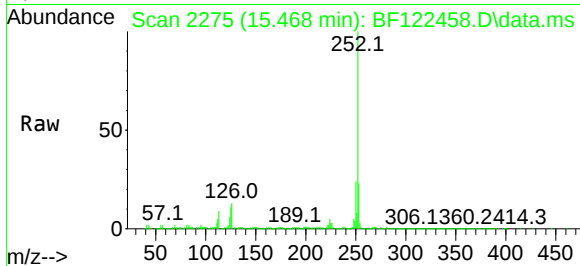
#90
Benzo(a)pyrene
Concen: 24.01 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58

Tgt Ion:252 Resp: 705853
Ion Ratio Lower Upper
252 100
253 23.4 17.3 25.9
125 11.0 8.6 13.0

Instrument :
BNA_F
ClientSampled :
TP-2A

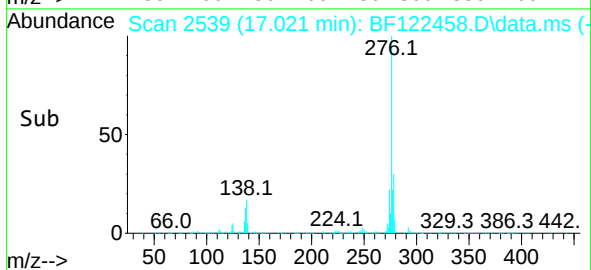
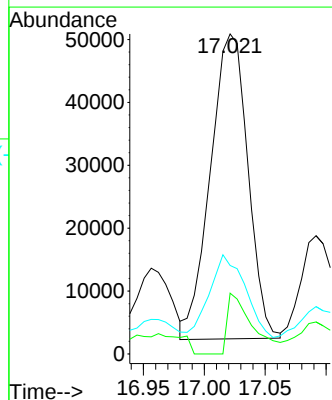
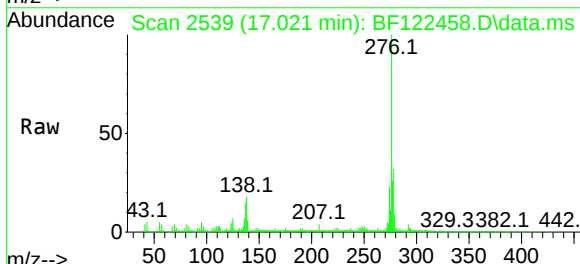
Manual Integrations
APPROVED

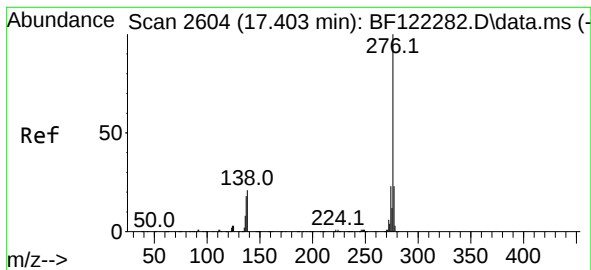
mohammad
11/25/2020 12:51:33 PM



#91
Dibenzo(a,h)anthracene
Concen: 3.98 ng
RT: 17.021 min Scan# 2539
Delta R.T. -0.018 min
Lab File: BF122458.D
Acq: 23 Nov 2020 20:58

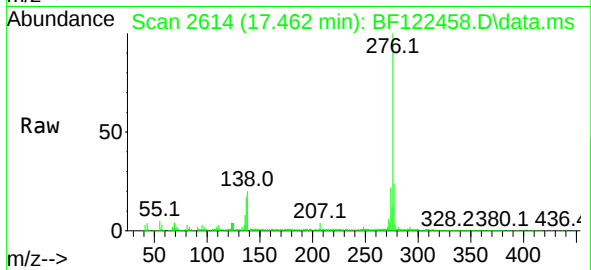
Tgt Ion:278 Resp: 104036
Ion Ratio Lower Upper
278 100
139 19.0 13.0 19.4
279 27.6 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 15.16 ng
 RT: 17.462 min Scan# 2614
 Delta R.T. -0.006 min
 Lab File: BF122458.D
 Acq: 23 Nov 2020 20:58

Instrument :
 BNA_F
 ClientSampleId :
 TP-2A



Tgt Ion:	276	Resp:	385780
Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.4	29.2
138	20.4	17.8	26.6

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:51:33 PM

