

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072321\
 Data File : BF124707.D
 Acq On : 23 Jul 2021 10:55
 Operator : JU/CG
 Sample : M3119-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOP-SOIL-GRILLIO-1

Manual Integrations
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Quant Time: Jul 23 12:06:23 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 22 15:28:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	6951	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	27683	20.000	ng	# 0.00
39) Acenaphthene-d10	9.904	164	13131	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	19377	20.000	ng	0.00
76) Chrysene-d12	14.033	240	13170	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	11325	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	33705	82.100	ng	0.00
7) Phenol-d6	6.487	99	41755	81.130	ng	-0.01
23) Nitrobenzene-d5	7.428	82	26069	56.048	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	8109	71.925	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	50334	56.300	ng	0.00
79) Terphenyl-d14	12.980	244	31529	41.037	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	9972	9.568	ng	95
74) Di-n-butylphthalate	11.951	149	6974	5.361	ng	99
75) Fluoranthene	12.604	202	16061	15.102	ng	97
78) Pyrene	12.833	202	13595	13.039	ng	95
81) Benzo(a)anthracene	14.021	228	7250m	8.422	ng	
83) Chrysene	14.057	228	7249	8.740	ng	96
87) Indeno(1,2,3-cd)pyrene	16.968	276	3130	4.787	ng	# 79
88) Benzo(b)fluoranthene	15.068	252	8396m	10.530	ng	
89) Benzo(k)fluoranthene	15.098	252	3474m	4.768	ng	
90) Benzo(a)pyrene	15.439	252	6076	9.122	ng	98
92) Benzo(g,h,i)perylene	17.415	276	2897	5.337	ng	# 87

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

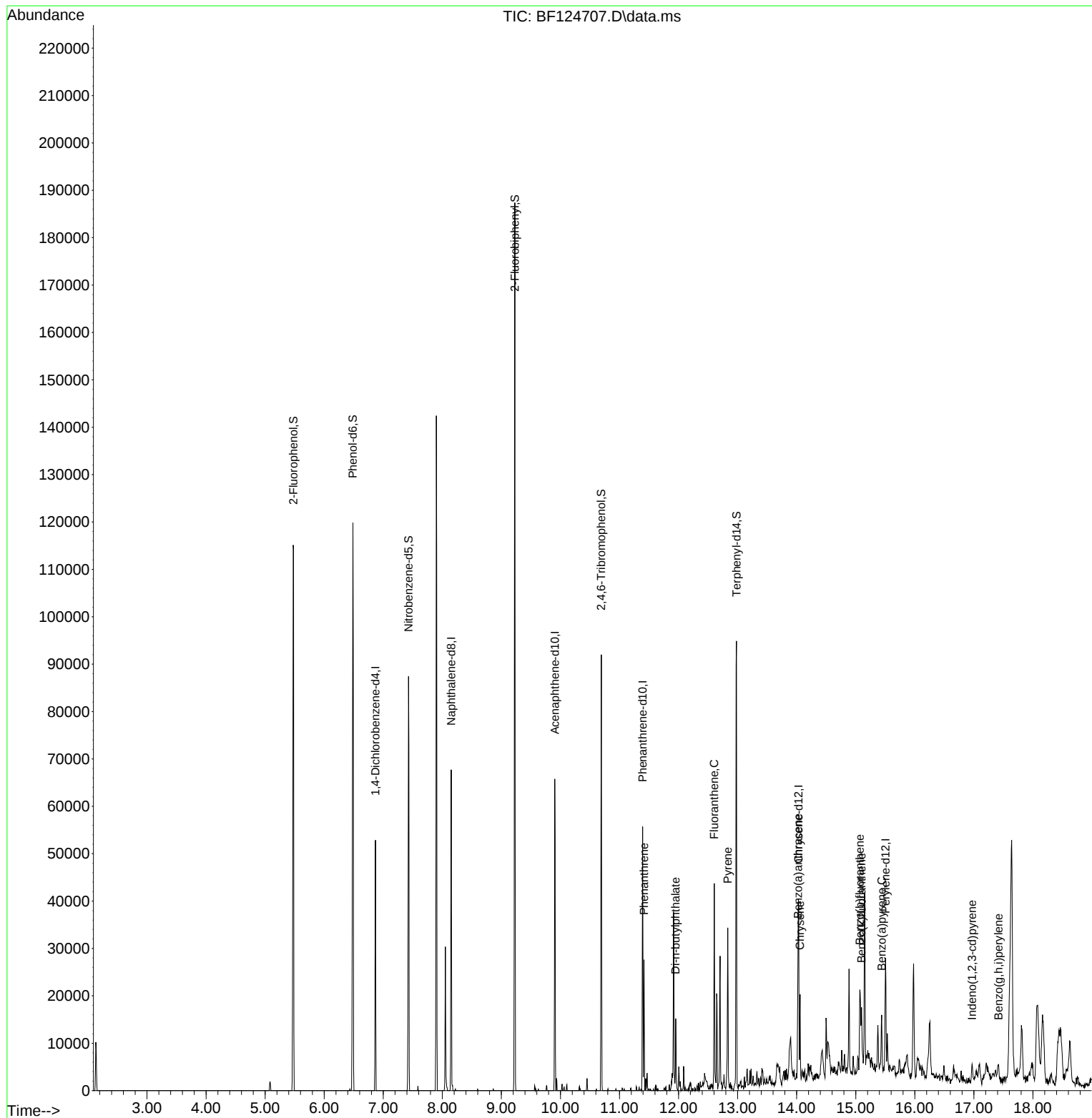
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072321\
Data File : BF124707.D
Acq On : 23 Jul 2021 10:55
Operator : JU/CG
Sample : M3119-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

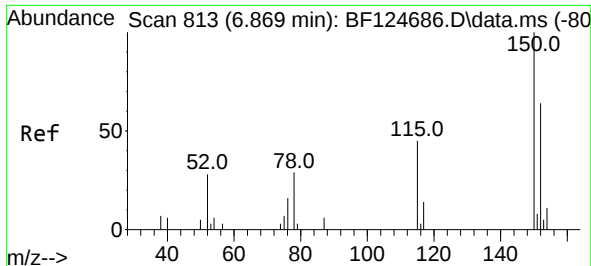
Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-GRILLIO-1

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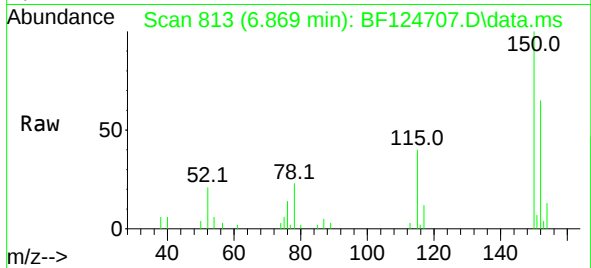
Quant Time: Jul 23 12:06:23 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 15:28:57 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

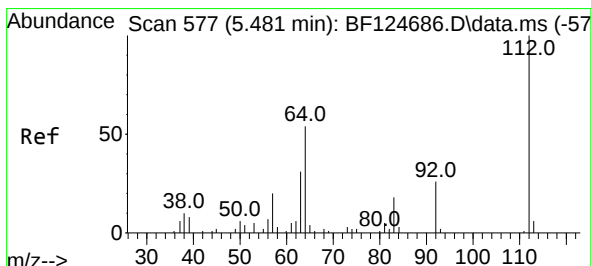
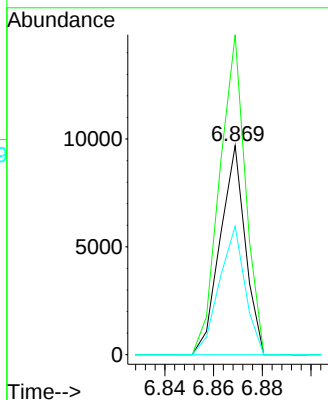
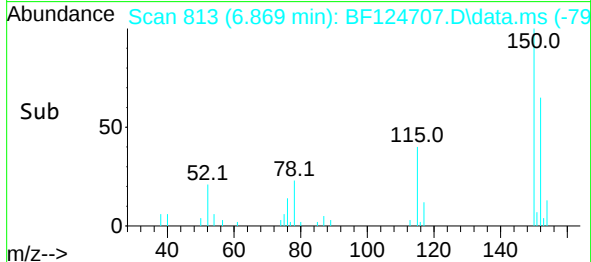
Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-GRILLIO-1



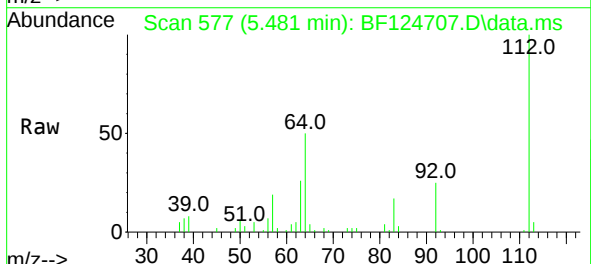
Tgt Ion:152 Resp: 6951
Ion Ratio Lower Upper
152 100
150 153.1 117.6 176.4
115 61.4 47.1 70.7

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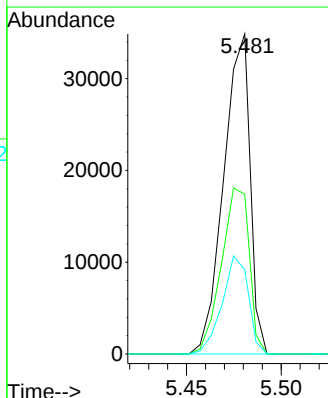
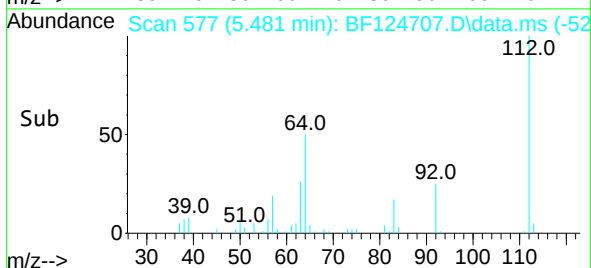
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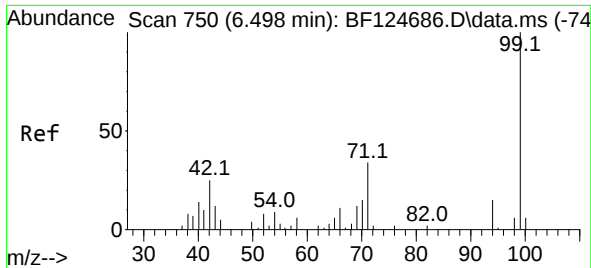


#5
2-Fluorophenol
Concen: 82.100 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55



Tgt Ion:112 Resp: 33705
Ion Ratio Lower Upper
112 100
64 49.9 44.2 66.2
63 26.3 26.2 39.2





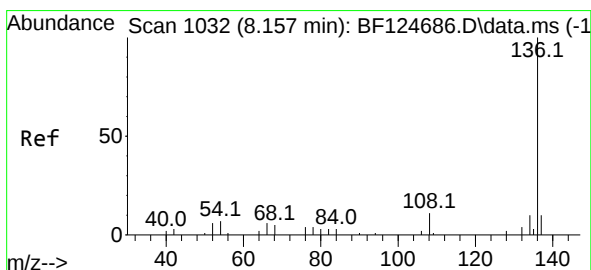
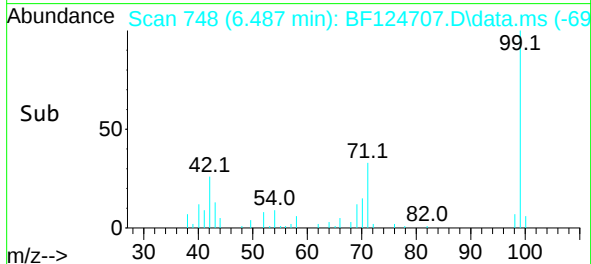
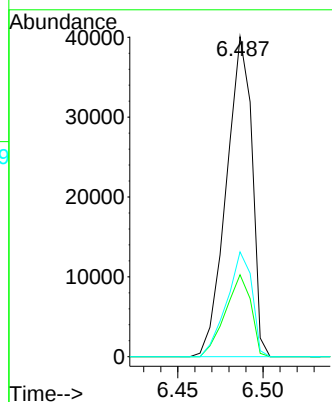
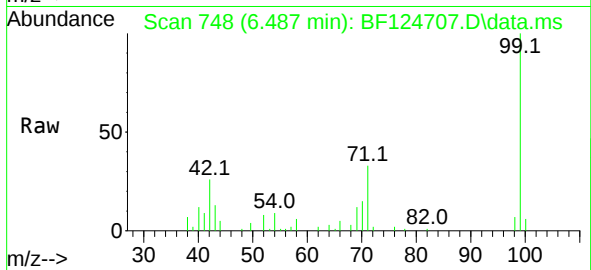
#7
Phenol-d6
Concen: 81.130 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

Tgt Ion: 99	Resp: 41755
Ion Ratio	Lower Upper
99 100	
42 25.6	23.5 35.3
71 32.8	25.6 38.4

Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-GRILLIO-1

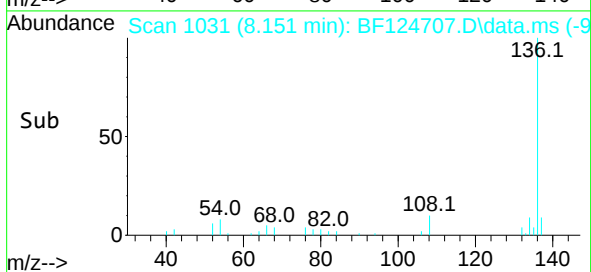
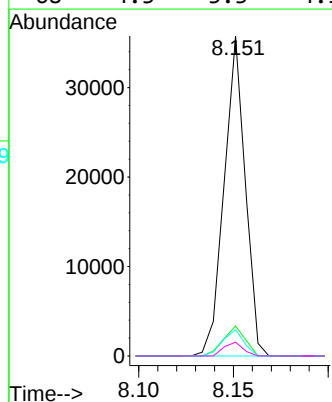
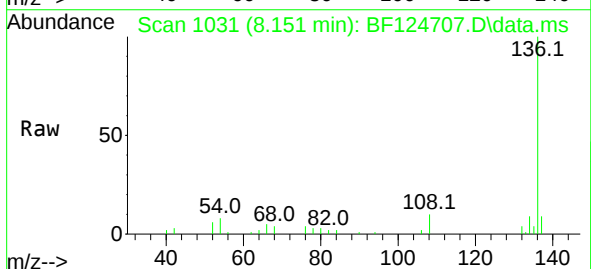
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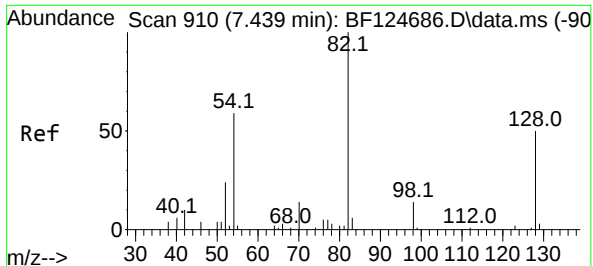
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

Tgt Ion: 136	Resp: 27683
Ion Ratio	Lower Upper
136 100	
137 9.4	9.8 14.6#
54 8.2	6.4 9.6
68 4.3	3.3 4.9





#23

Nitrobenzene-d5

Concen: 56.048 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF124707.D

Acq: 23 Jul 2021 10:55

Tgt Ion:	82	Resp:	26069
Ion Ratio	Lower	Upper	
82	100		
128	46.1	40.6	60.8
54	59.6	49.6	74.4

Instrument :

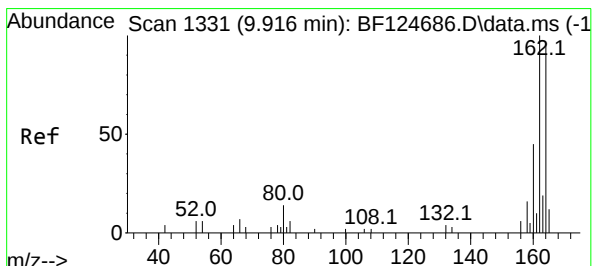
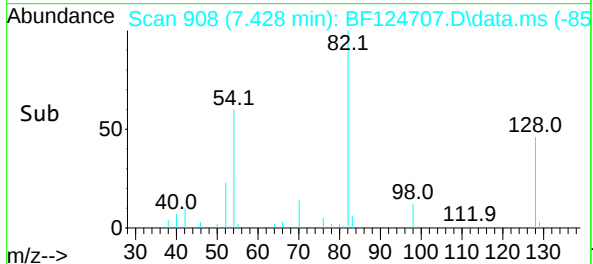
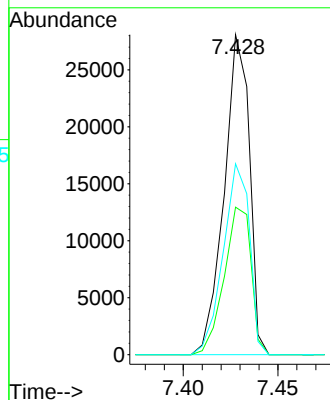
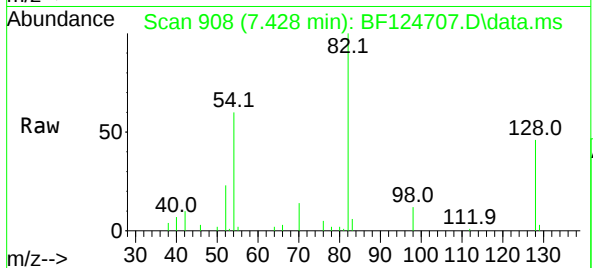
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ClientSampleId :

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#39

Acenaphthene-d10

Concen: 20.000 ng

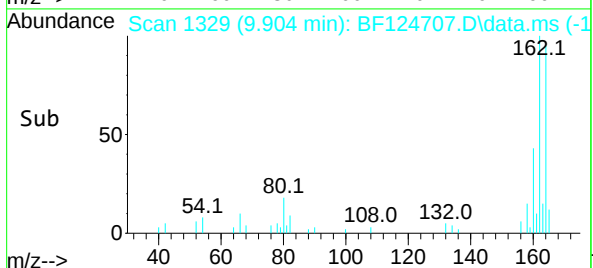
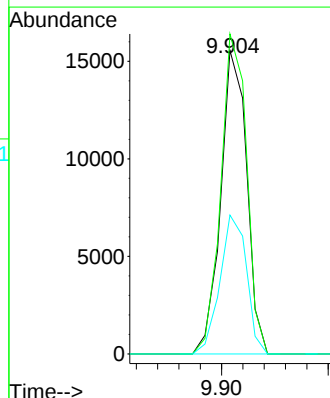
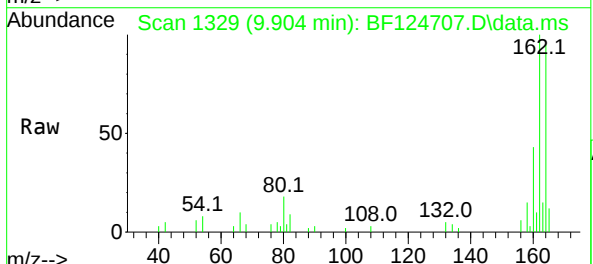
RT: 9.904 min Scan# 1329

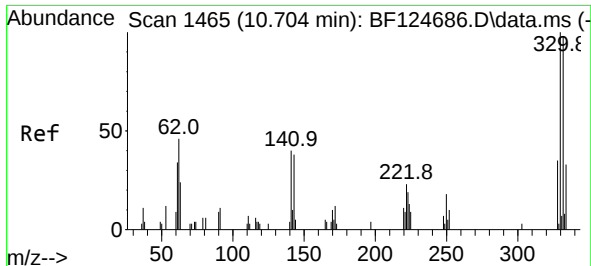
Delta R.T. -0.012 min

Lab File: BF124707.D

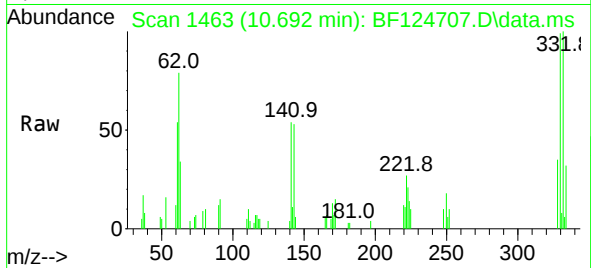
Acq: 23 Jul 2021 10:55

Tgt Ion:	164	Resp:	13131
Ion Ratio	Lower	Upper	
164	100		
162	105.5	81.3	121.9
160	45.7	38.0	57.0

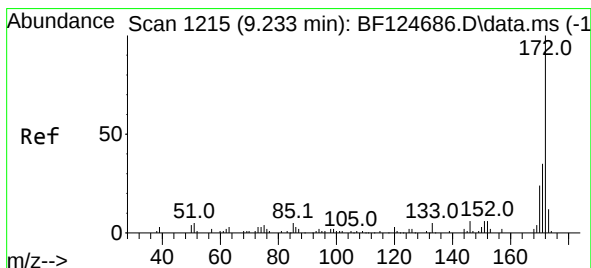
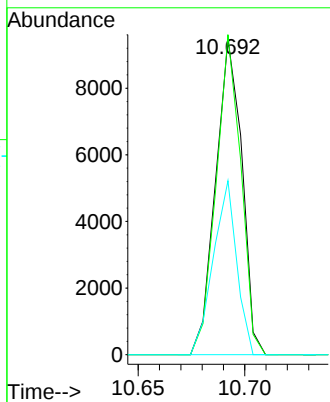
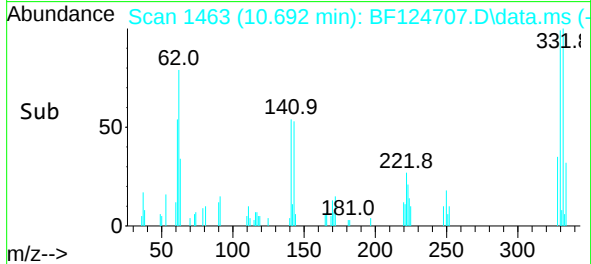




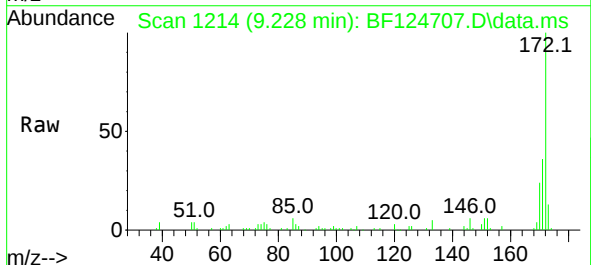
#42
2,4,6-Tribromophenol
Concen: 71.925 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.012 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55



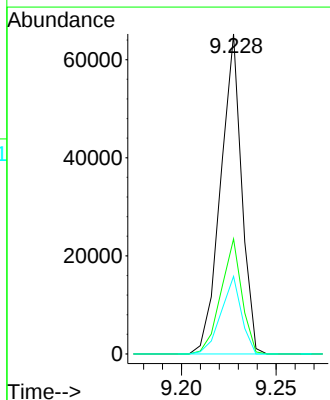
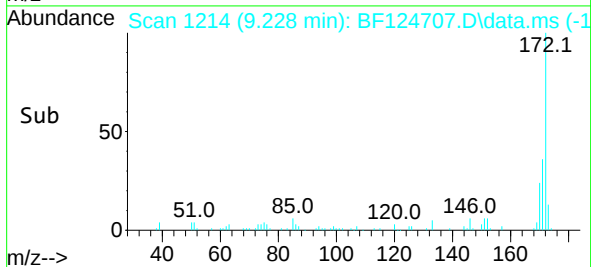
Tgt Ion: 330 Resp: 8109
Ion Ratio Lower Upper
330 100
332 95.4 76.2 114.4
141 49.1 44.6 66.8



#45
2-Fluorobiphenyl
Concen: 56.300 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55



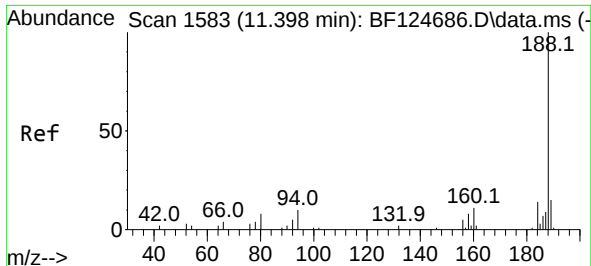
Tgt Ion: 172 Resp: 50334
Ion Ratio Lower Upper
172 100
171 35.9 26.5 39.7
170 24.3 18.8 28.2



Instrument :
BNA_F
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TOP-SOIL-GRILLIO-1

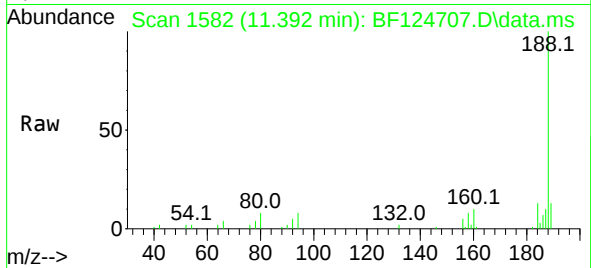
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

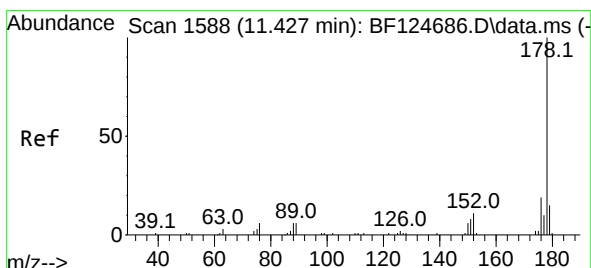
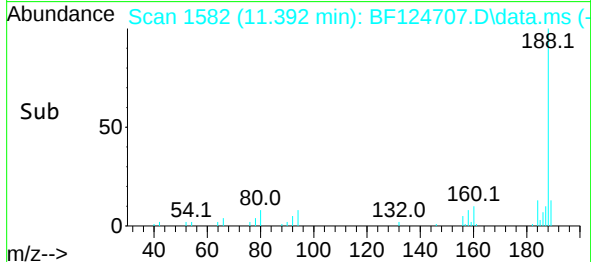
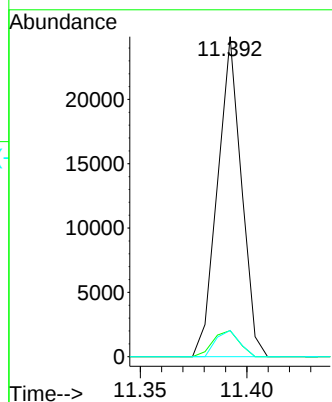
Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-GRILLIO-1



Tgt Ion:188 Resp: 19377
Ion Ratio Lower Upper
188 100
94 8.2 6.7 10.1
80 8.2 7.5 11.3

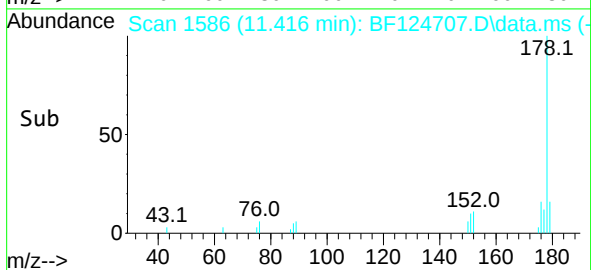
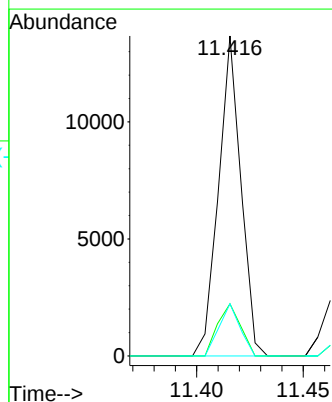
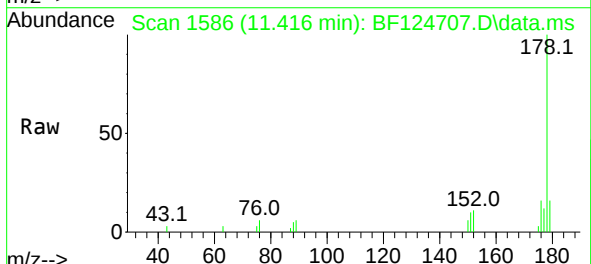
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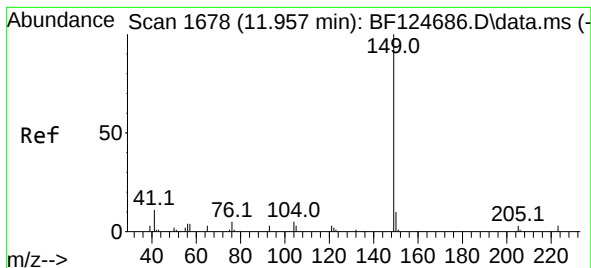
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#71
Phenanthrene
Concen: 9.568 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.012 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

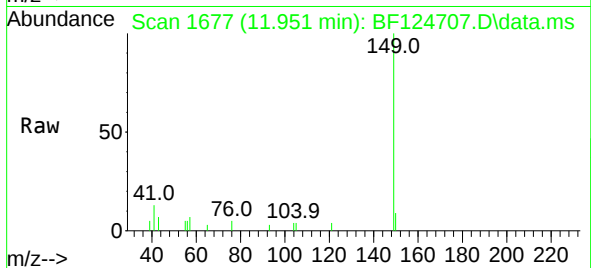
Tgt Ion:178 Resp: 9972
Ion Ratio Lower Upper
178 100
176 16.3 14.7 22.1
179 16.3 11.5 17.3



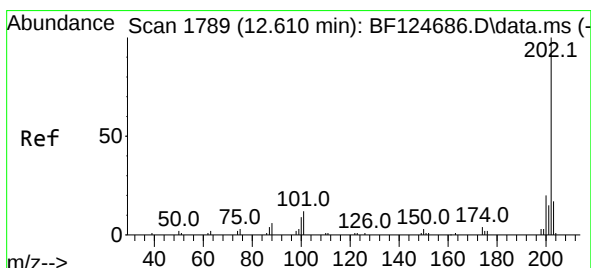
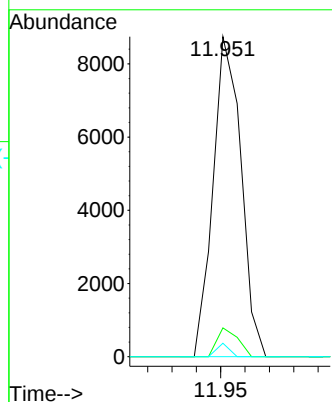
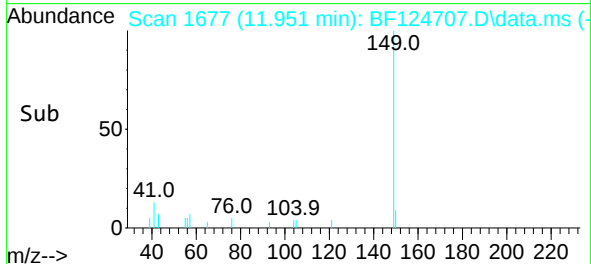


#74
Di-n-butylphthalate
Concen: 5.361 ng
RT: 11.951 min Scan# 1677
Delta R.T. -0.006 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

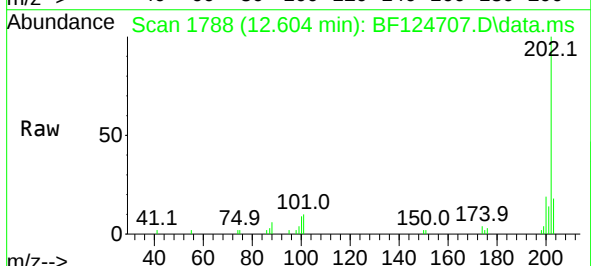
Instrument :
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TOP-SOIL-GRILLIO-1



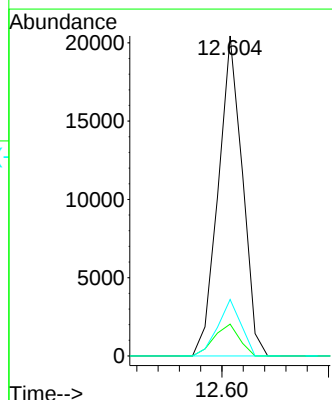
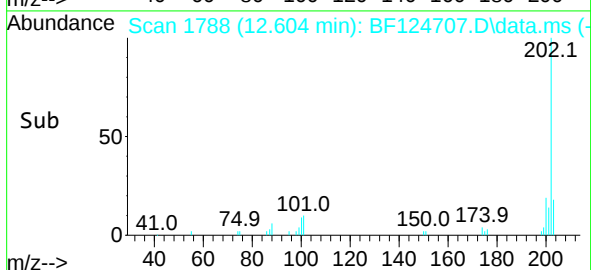
Tgt Ion:149 Resp: 6974
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.2
104 4.2 4.1 6.1

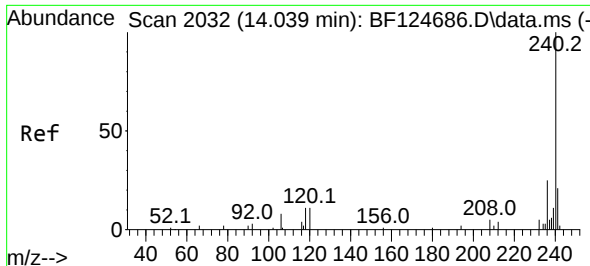


#75
Fluoranthene
Concen: 15.102 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

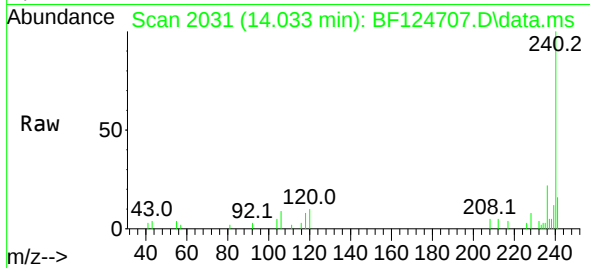


Tgt Ion:202 Resp: 16061
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.7
203 17.7 0.0 36.3

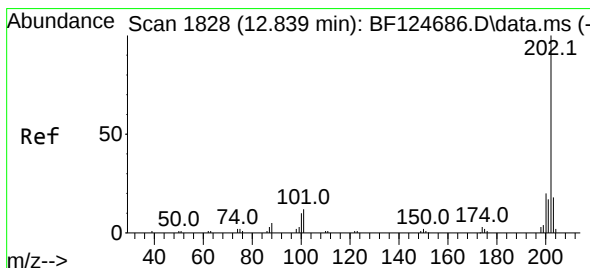
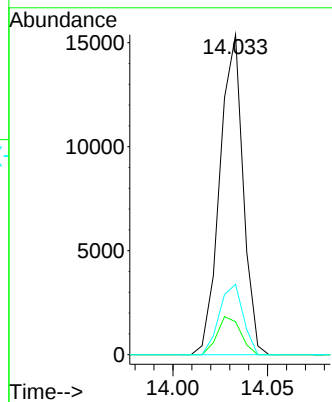
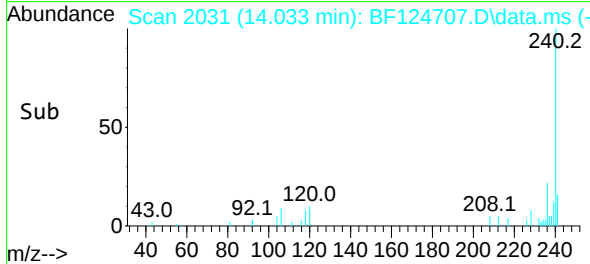




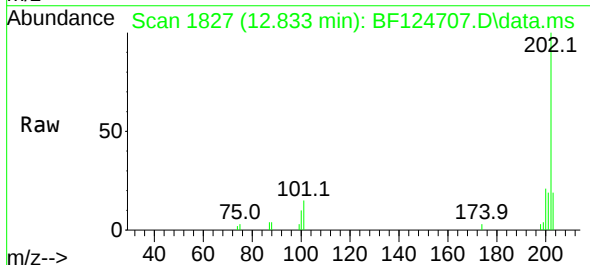
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55



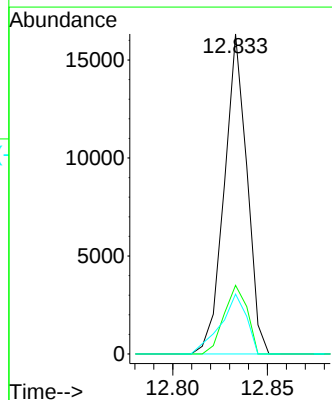
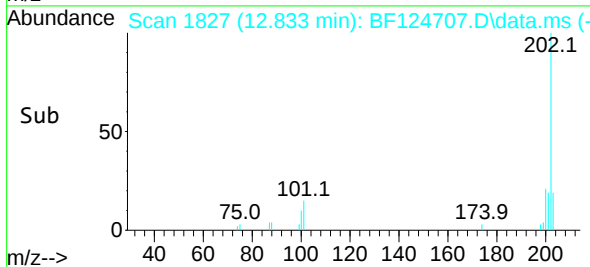
Tgt Ion:240 Resp: 13170
Ion Ratio Lower Upper
240 100
120 10.3 10.8 16.2#
236 22.0 21.6 32.4



#78
Pyrene
Concen: 13.039 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55



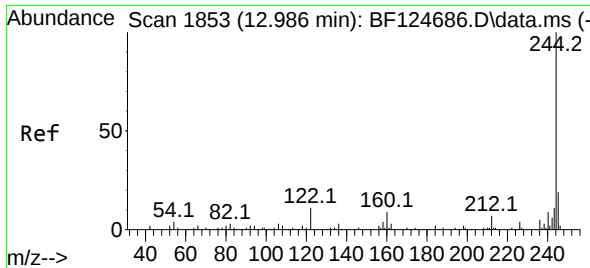
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Ion Ratio Lower Upper
202 100
200 21.5 15.3 22.9
203 18.7 13.4 20.0



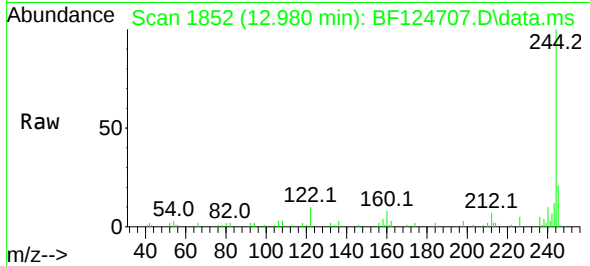
Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-GRILLIO-1

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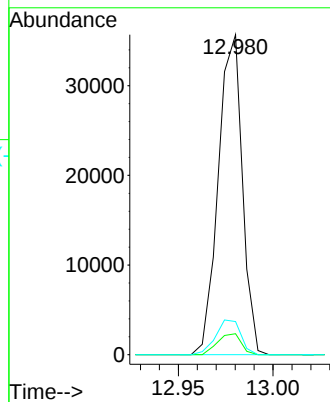
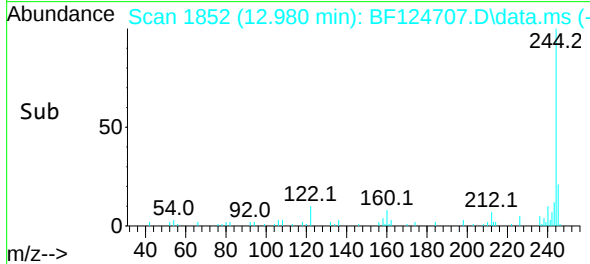
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#79
Terphenyl-d14
Concen: 41.037 ng
RT: 12.980 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55



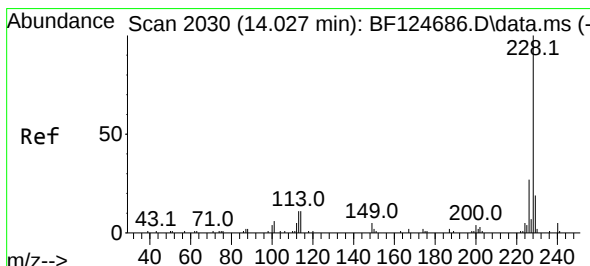
Tgt Ion:244 Resp: 31529
Ion Ratio Lower Upper
244 100
212 6.5 5.9 8.9
122 10.4 9.0 13.4



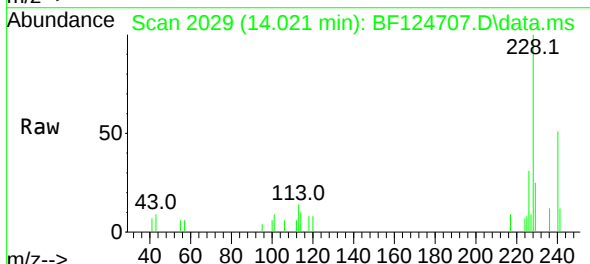
Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-GRILLIO-1

Manual Integrations
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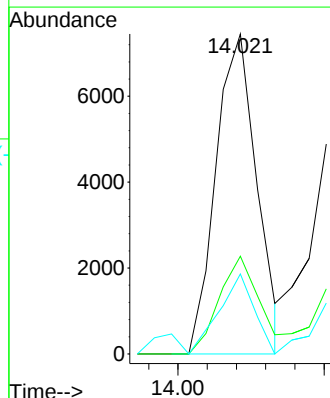
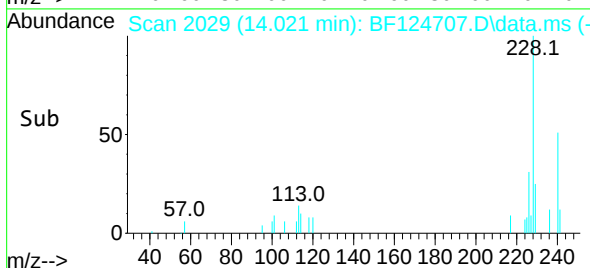
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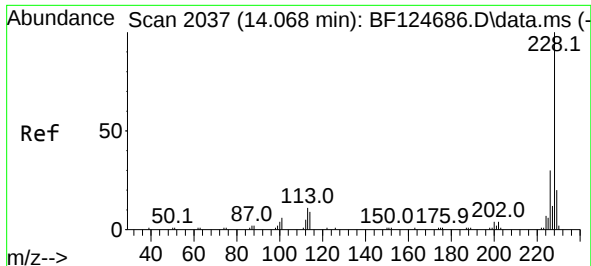


#81
Benzo(a)anthracene
Concen: 8.422 ng m
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55



Tgt Ion:228 Resp: 7250
Ion Ratio Lower Upper
228 100
226 30.5 21.6 32.4
229 25.0 15.6 23.4#





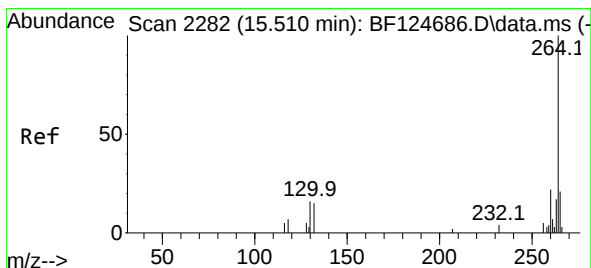
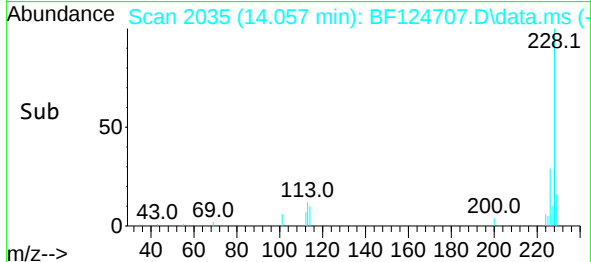
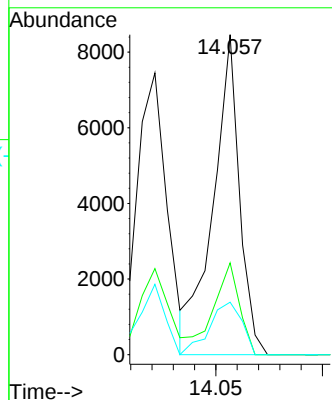
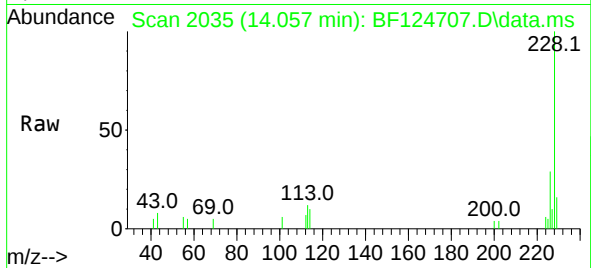
#83
Chrysene
Concen: 8.740 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

Tgt Ion:228	Resp:	7249
Ion Ratio	Lower	Upper
228	100	
226	28.7	22.6 34.0
229	16.4	15.9 23.9

Instrument :
BNA_F
ClientSampleId :
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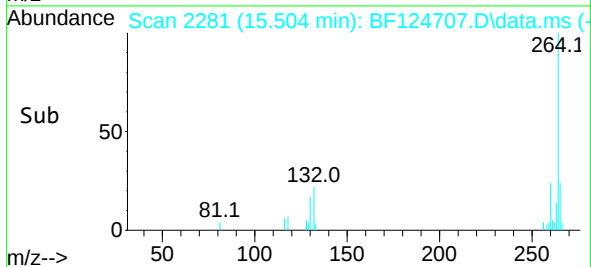
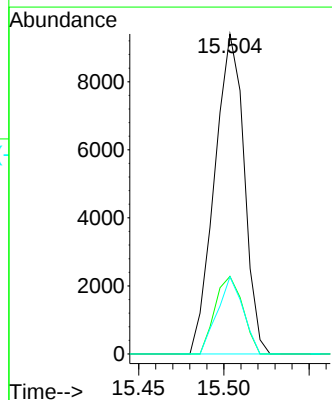
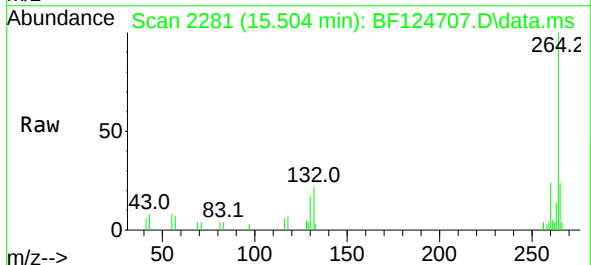
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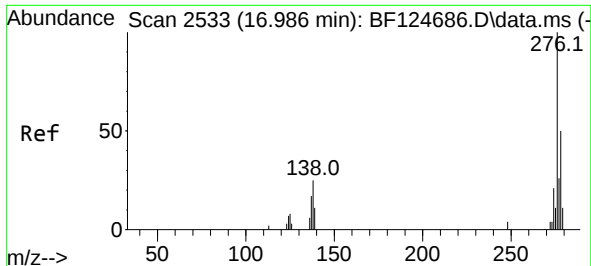
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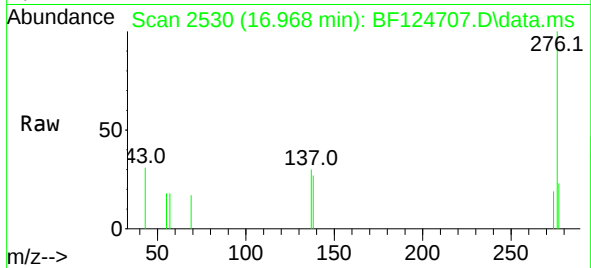
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2281
Delta R.T. -0.006 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55

Tgt Ion:264	Resp:	11325
Ion Ratio	Lower	Upper
264	100	
260	24.2	19.6 29.4
265	24.1	17.2 25.8

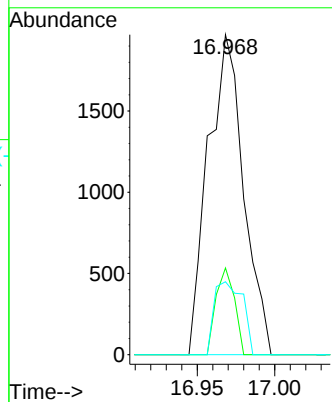
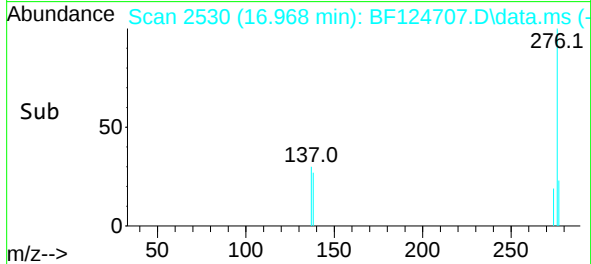




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.787 ng
 RT: 16.968 min Scan# 2530
 Delta R.T. -0.018 min
 Lab File: BF124707.D
 Acq: 23 Jul 2021 10:55



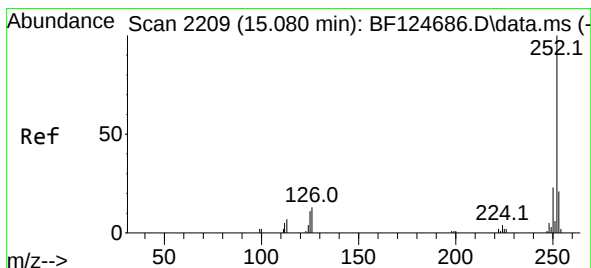
Tgt Ion: 276 Resp: 3130
 Ion Ratio Lower Upper
 276 100
 138 14.2 24.1 36.1#
 277 18.3 18.8 28.2#



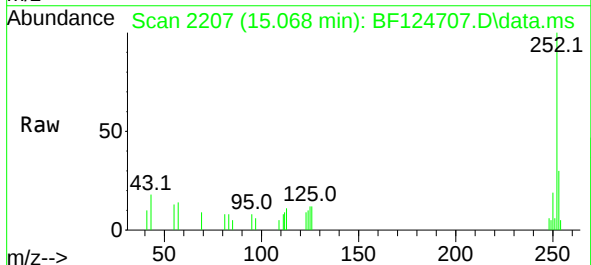
Instrument :
 BNA_F
 ClientSampleId :
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Manual Integrations
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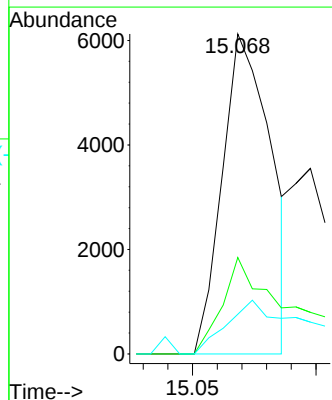
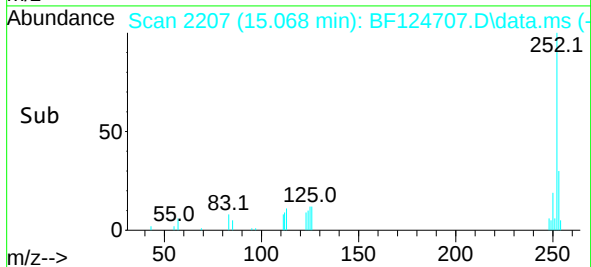
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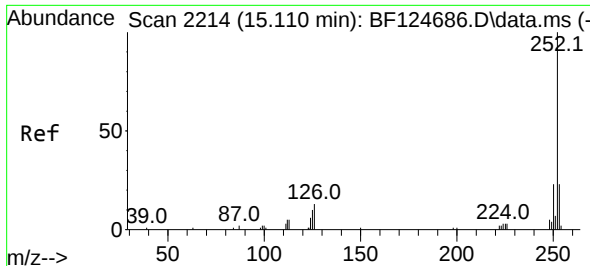


#88
 Benzo(b)fluoranthene
 Concen: 10.530 ng m
 RT: 15.068 min Scan# 2207
 Delta R.T. -0.012 min
 Lab File: BF124707.D
 Acq: 23 Jul 2021 10:55

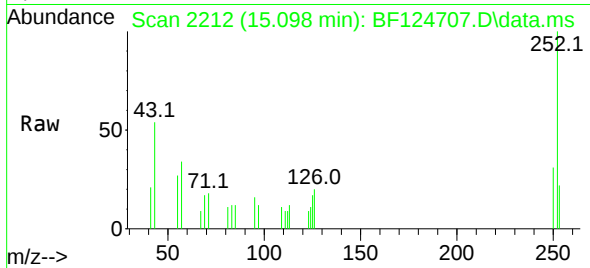


Tgt Ion: 252 Resp: 8396
 Ion Ratio Lower Upper
 252 100
 253 30.1 16.8 25.2#
 125 12.4 9.8 14.8

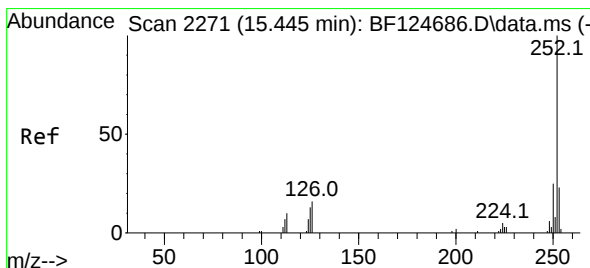
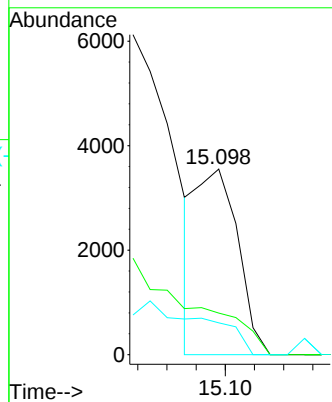
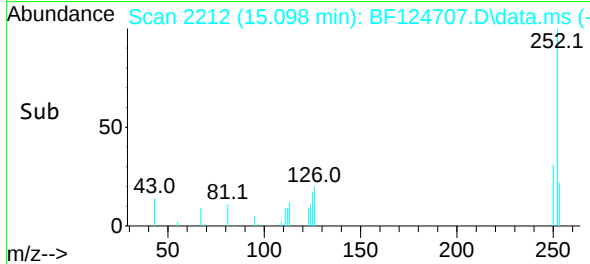




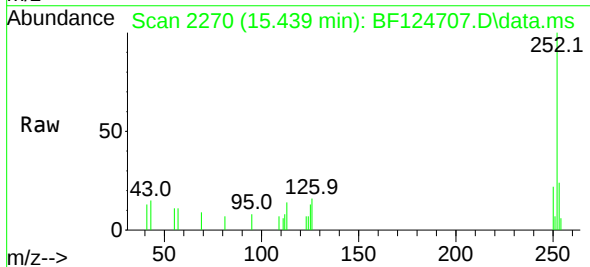
#89
Benzo(k)fluoranthene
Concen: 4.768 ng m
RT: 15.098 min Scan# 2212
Delta R.T. -0.012 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55



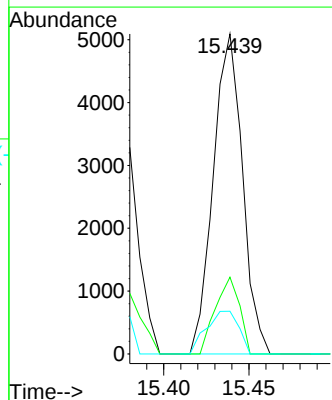
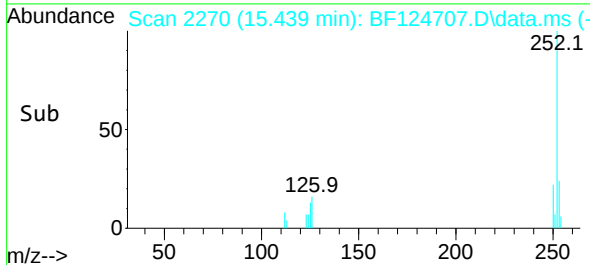
Tgt Ion:252 Resp: 3474
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 17.2 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 9.122 ng
RT: 15.439 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF124707.D
Acq: 23 Jul 2021 10:55



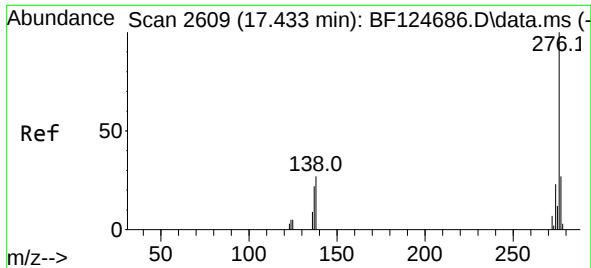
Tgt Ion:252 Resp: 6076
Ion Ratio Lower Upper
252 100
253 24.0 18.4 27.6
125 13.4 9.9 14.9



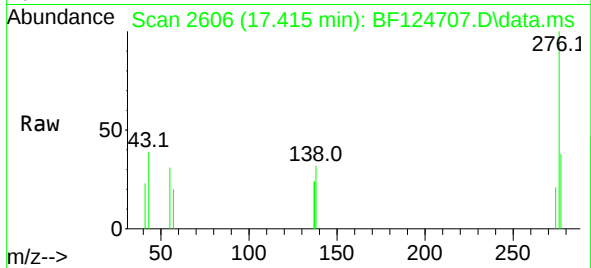
Instrument :
BNA_F
ClientSampleId :
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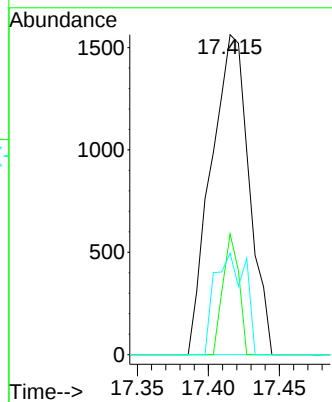
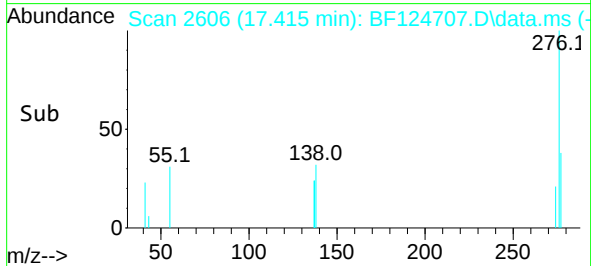
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#92
 Benzo(g,h,i)perylene
 Concen: 5.337 ng
 RT: 17.415 min Scan# 2606
 Delta R.T. -0.018 min
 Lab File: BF124707.D
 Acq: 23 Jul 2021 10:55



Tgt Ion: 276 Resp: 2897
 Ion Ratio Lower Upper
 276 100
 277 37.7 22.0 33.0#
 138 31.7 22.2 33.4



Instrument :
 BNA_F
 ClientSampleId :
 TOP-SOIL-GRILLIO-1

Manual Integrations
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