

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
 Data File : BF124009.D
 Acq On : 20 May 2021 15:08
 Operator : JU/CG
 Sample : M2449-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOP-SOIL-COMPOSITE-PILE-3

Manual Integrations
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Quant Time: May 20 15:47:01 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 19:05:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	42283	20.00	ng	0.00
21) Naphthalene-d8	8.187	136	173070	20.00	ng	0.00
39) Acenaphthene-d10	9.945	164	100459	20.00	ng	0.00
64) Phenanthrene-d10	11.433	188	166637	20.00	ng	0.00
76) Chrysene-d12	14.074	240	119461	20.00	ng	0.00
86) Perylene-d12	15.574	264	77585	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	233262	77.46	ng	0.00
7) Phenol-d6	6.528	99	300963	77.04	ng	0.00
23) Nitrobenzene-d5	7.463	82	226035	56.27	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	91707	76.00	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	398939	48.87	ng	0.00
79) Terphenyl-d14	13.021	244	317923	40.31	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.657	163	73025	9.10	ng	# 99
71) Phenanthrene	11.457	178	77560	7.34	ng	99
75) Fluoranthene	12.645	202	136095	12.45	ng	98
78) Pyrene	12.874	202	123176	11.61	ng	99
81) Benzo(a)anthracene	14.068	228	65266	7.55	ng	97
83) Chrysene	14.104	228	65771	7.92	ng	96
87) Indeno(1,2,3-cd)pyrene	17.086	276	27017	4.51	ng	94
88) Benzo(b)fluoranthene	15.133	252	71842m	11.97	ng	
89) Benzo(k)fluoranthene	15.163	252	17097m	3.13	ng	
90) Benzo(a)pyrene	15.510	252	40214	7.75	ng	# 96
92) Benzo(g,h,i)perylene	17.545	276	23573	4.66	ng	# 83

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

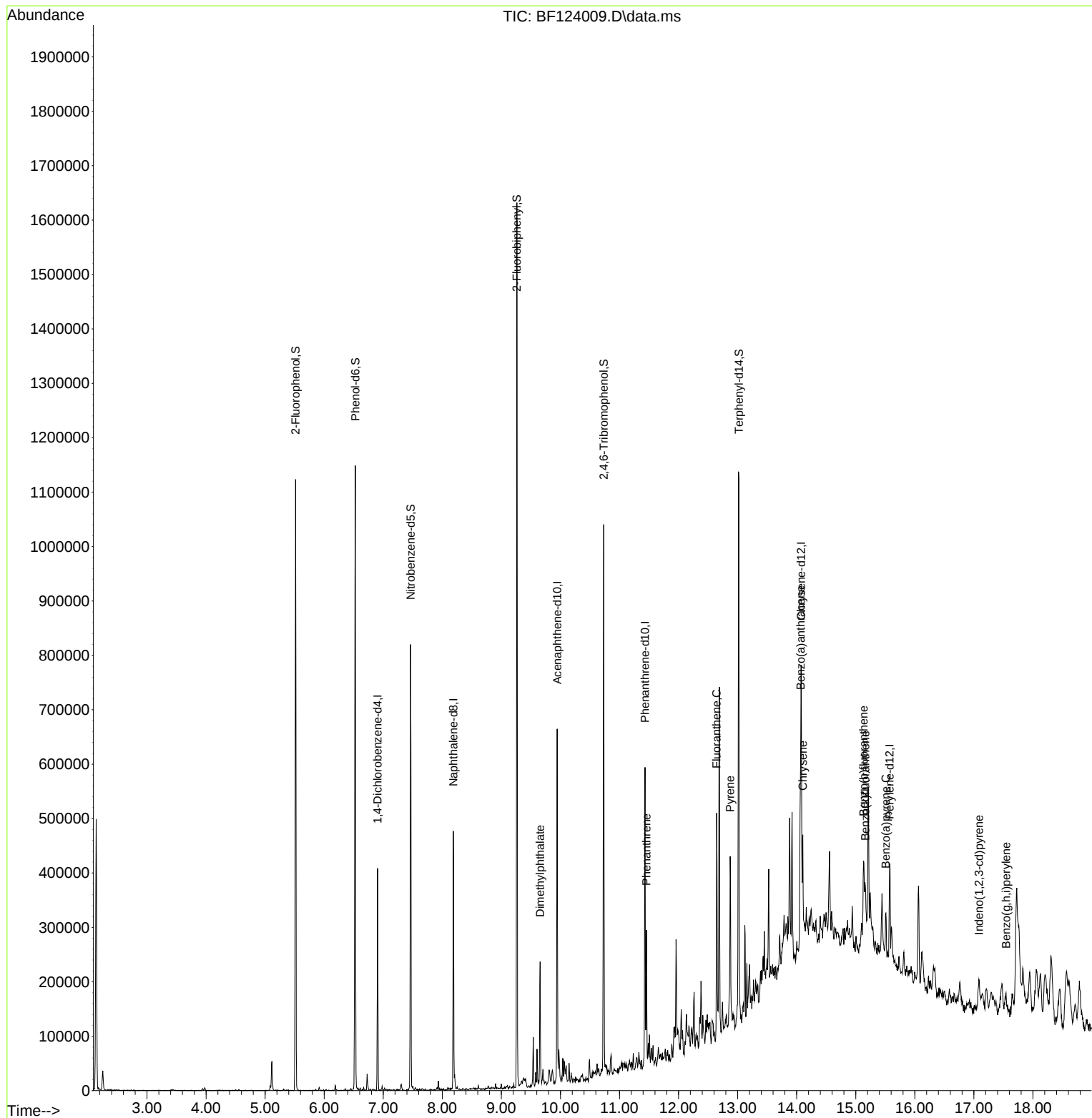
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124009.D
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Operator : JU/CG
Sample : M2449-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

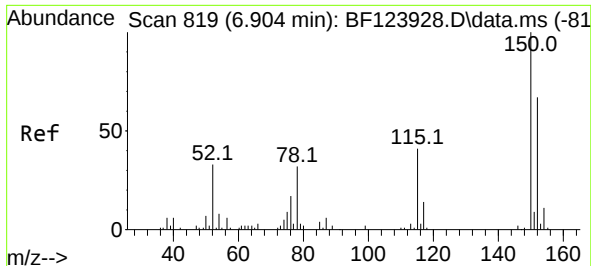
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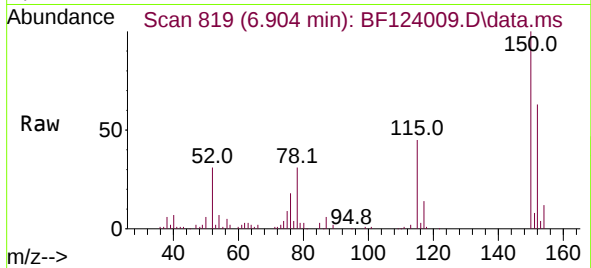
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Quant Time: May 20 15:47:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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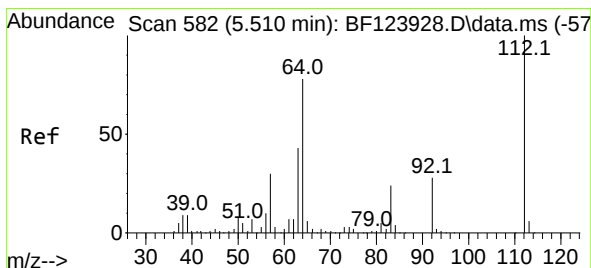
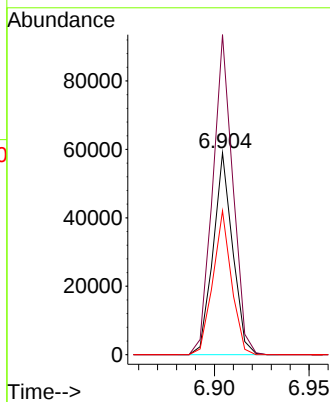
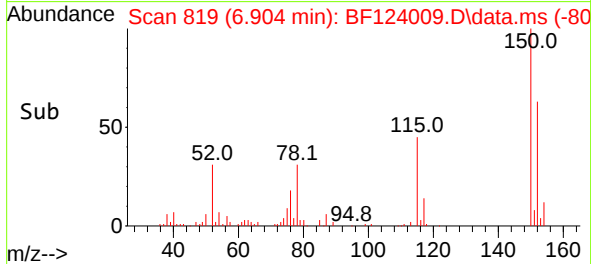




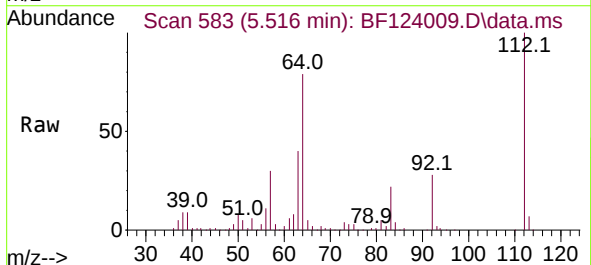
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF124009.D
Acq: 20 May 2021 15:08



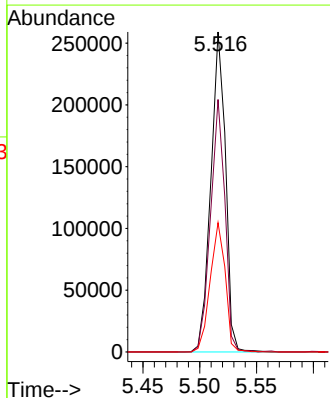
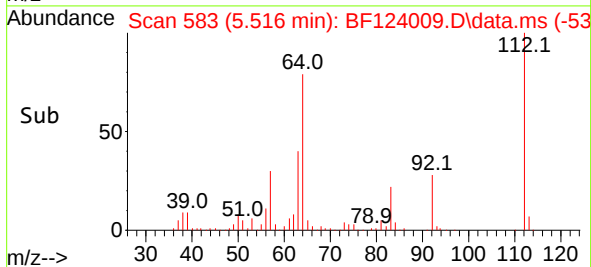
Tgt Ion:152 Resp: 42283
Ion Ratio Lower Upper
152 100
150 158.4 127.0 190.6
115 71.2 54.3 81.5



#5
2-Fluorophenol
Concen: 77.46 ng
RT: 5.516 min Scan# 583
Delta R.T. 0.006 min
Lab File: BF124009.D
Acq: 20 May 2021 15:08



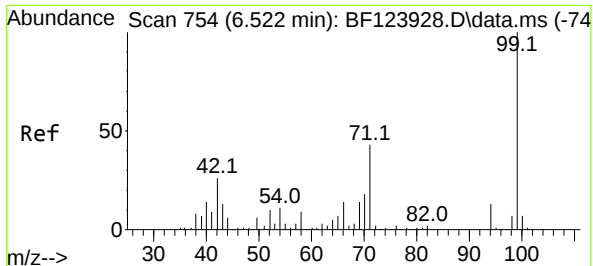
Tgt Ion:112 Resp: 233262
Ion Ratio Lower Upper
112 100
64 78.9 61.4 92.0
63 40.4 33.0 49.4



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TOP-SOIL-COMPOSITE-PILE-3

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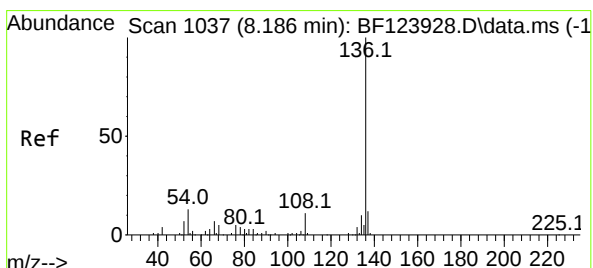
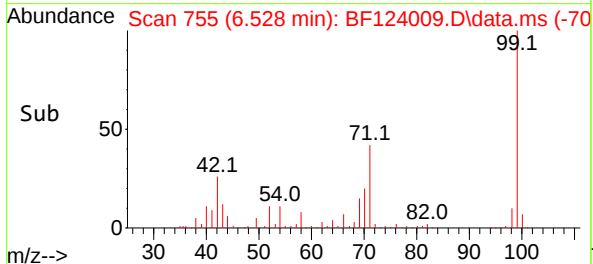
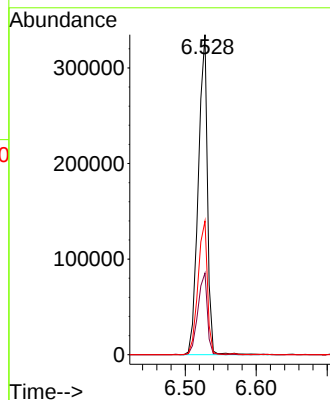
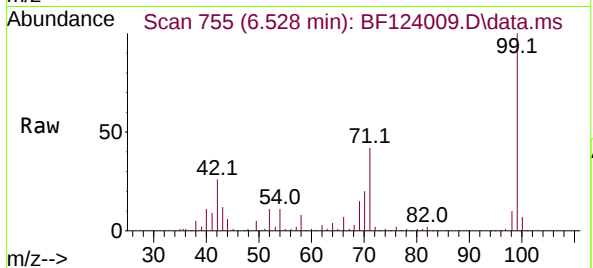
#7
Phenol-d6
Concen: 77.04 ng
RT: 6.528 min Scan# 755
Delta R.T. 0.006 min
Lab File: BF124009.D
Acq: 20 May 2021 15:08

Tgt Ion: 99 Resp: 300963
Ion Ratio Lower Upper
99 100
42 25.5 19.8 29.8
71 41.8 31.1 46.7

Instrument :
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TOP-SOIL-COMPOSITE-PILE-3

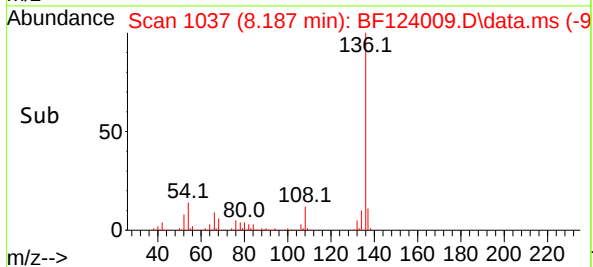
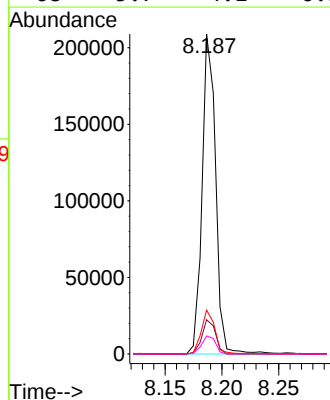
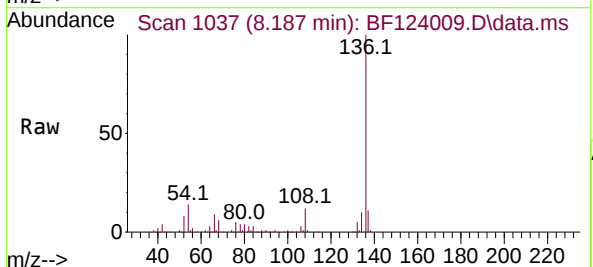
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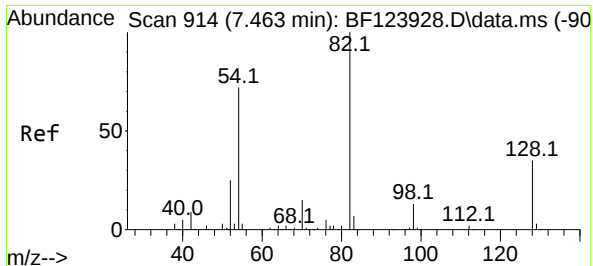
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.187 min Scan# 1037
Delta R.T. 0.001 min
Lab File: BF124009.D
Acq: 20 May 2021 15:08

Tgt Ion: 136 Resp: 173070
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 13.7 9.8 14.6
68 5.7 4.1 6.1





#23

Nitrobenzene-d5

Concen: 56.27 ng

RT: 7.463 min Scan# 914

Delta R.T. 0.000 min

Lab File: BF124009.D

Acq: 20 May 2021 15:08

Tgt Ion:	82	Resp:	226035
Ion	Ratio	Lower	Upper
82	100		
128	36.9	29.4	44.2
54	71.1	54.1	81.1

Instrument :

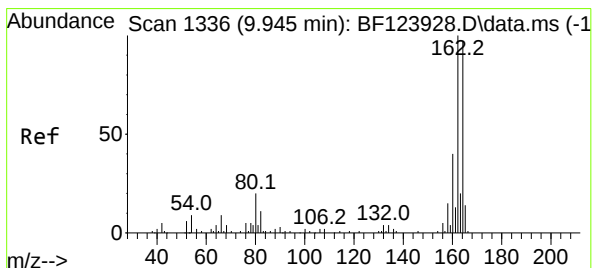
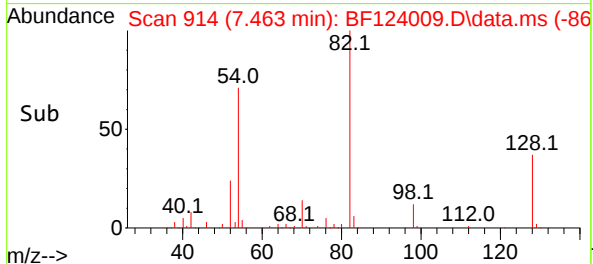
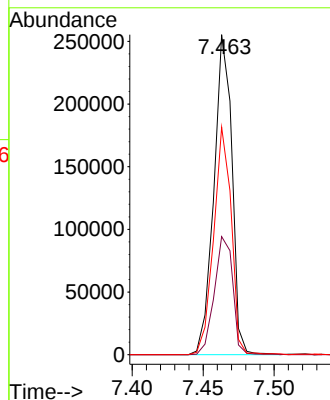
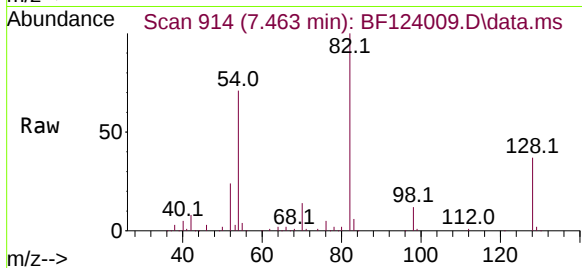
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TOP-SOIL-COMPOSITE-PILE-3

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#39

Acenaphthene-d10

Concen: 20.00 ng

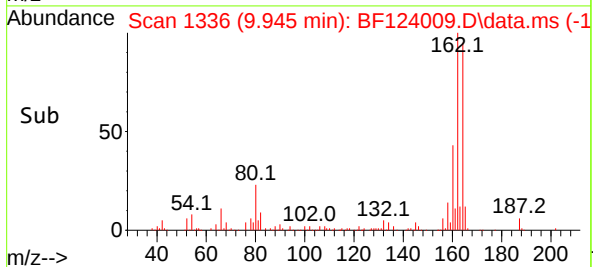
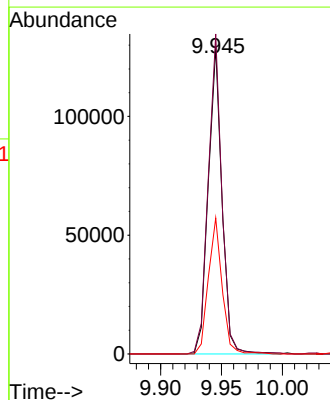
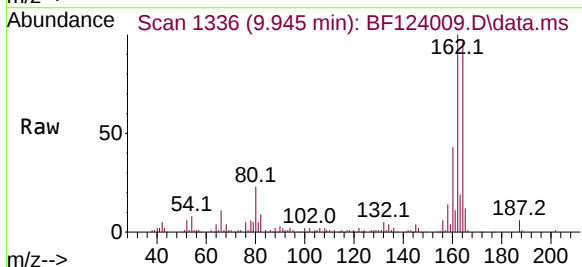
RT: 9.945 min Scan# 1336

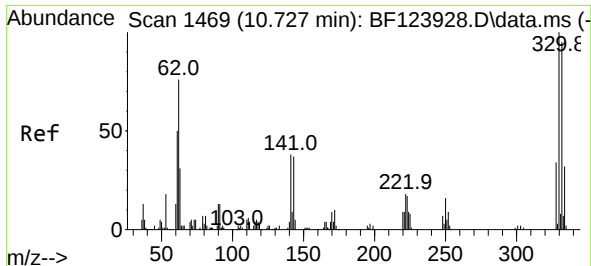
Delta R.T. 0.000 min

Lab File: BF124009.D

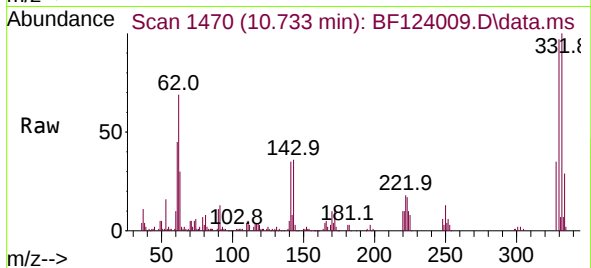
Acq: 20 May 2021 15:08

Tgt Ion:	164	Resp:	100459
Ion	Ratio	Lower	Upper
164	100		
162	104.4	80.7	121.1
160	44.4	37.3	55.9

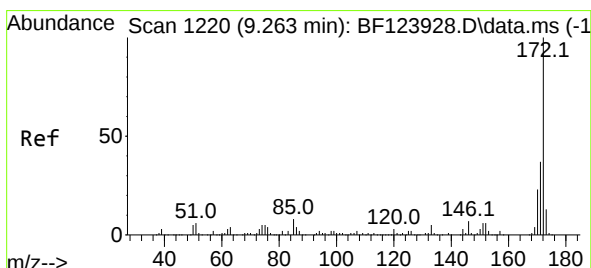
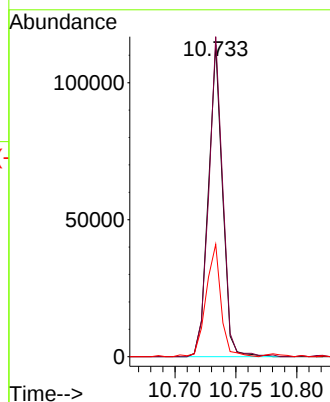
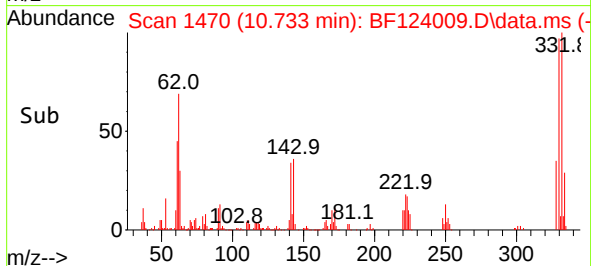




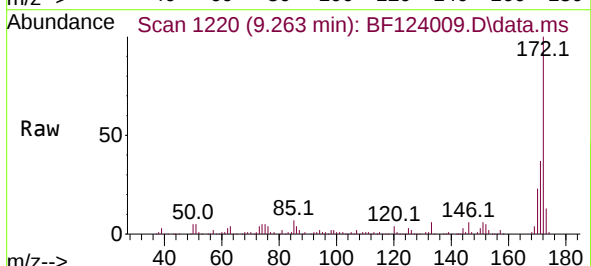
#42
2,4,6-Tribromophenol
Concen: 76.00 ng
RT: 10.733 min Scan# 1470
Delta R.T. 0.006 min
Lab File: BF124009.D
Acq: 20 May 2021 15:08



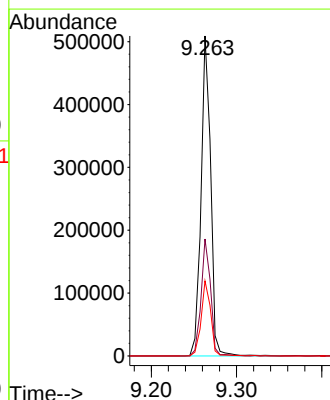
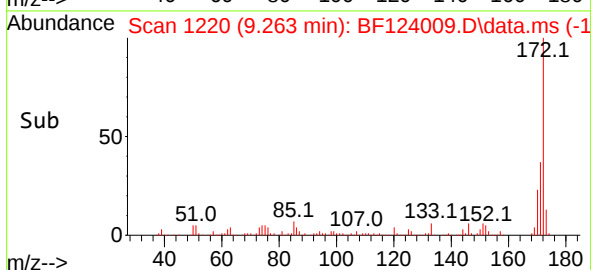
Tgt Ion: 330 Resp: 91707
Ion Ratio Lower Upper
330 100
332 101.7 77.1 115.7
141 38.2 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 48.87 ng
RT: 9.263 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BF124009.D
Acq: 20 May 2021 15:08



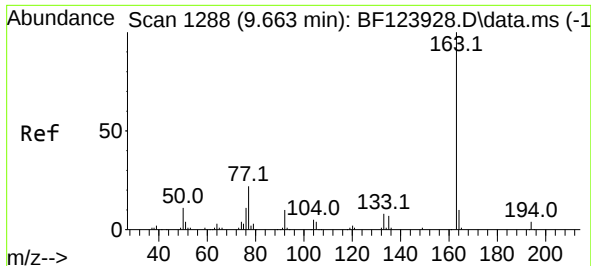
Tgt Ion: 172 Resp: 398939
Ion Ratio Lower Upper
172 100
171 36.6 28.1 42.1
170 23.5 19.2 28.8



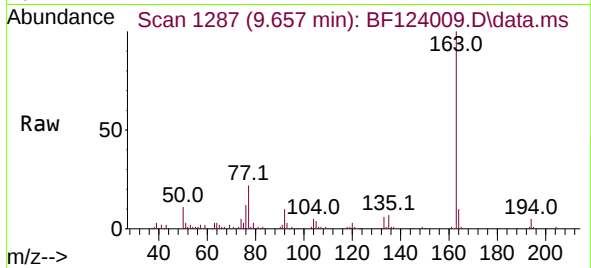
Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

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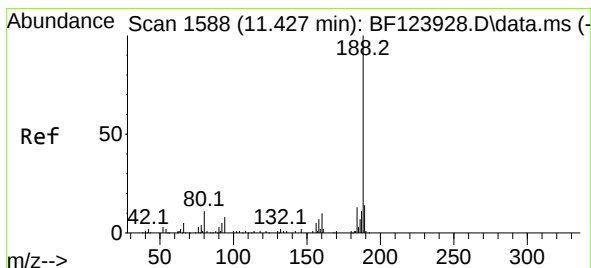
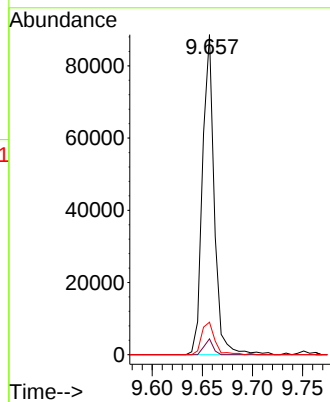
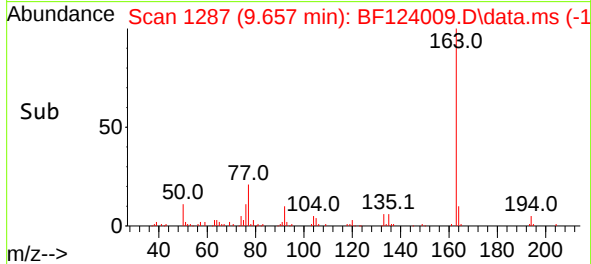
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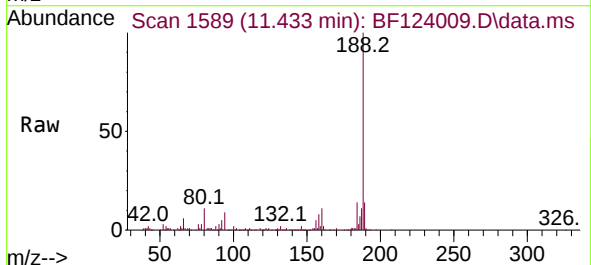
#50
Dimethylphthalate
Concen: 9.10 ng
RT: 9.657 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF124009.D
Acq: 20 May 2021 15:08



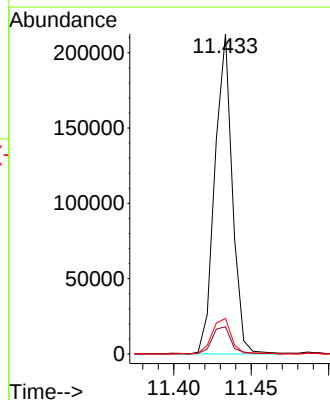
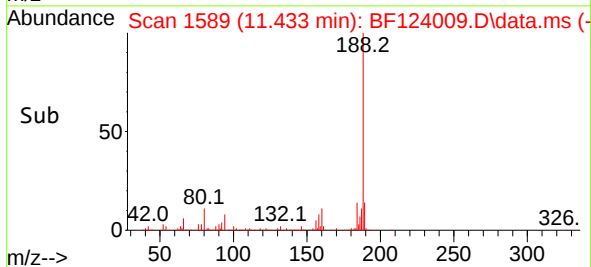
Tgt Ion:163 Resp: 73025
Ion Ratio Lower Upper
163 100
194 4.9 3.1 4.7#
164 10.2 8.2 12.2



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.006 min
Lab File: BF124009.D
Acq: 20 May 2021 15:08



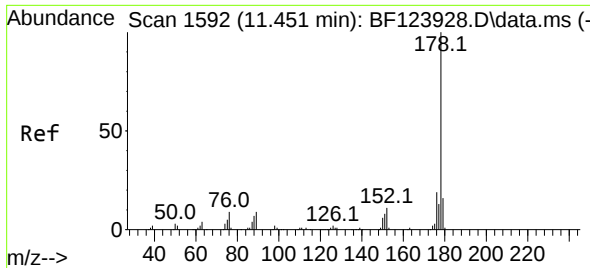
Tgt Ion:188 Resp: 166637
Ion Ratio Lower Upper
188 100
94 8.5 6.9 10.3
80 11.1 8.2 12.2



Instrument :
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Manual Integrations
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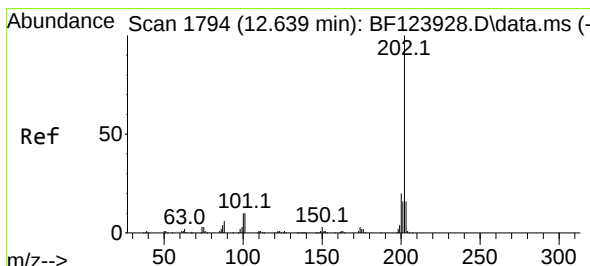
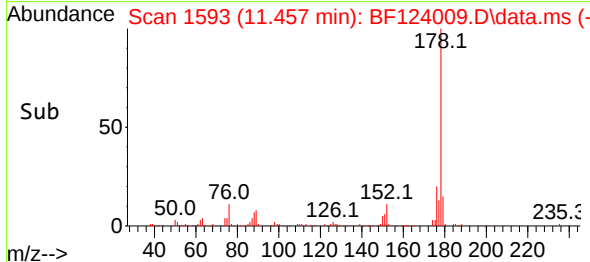
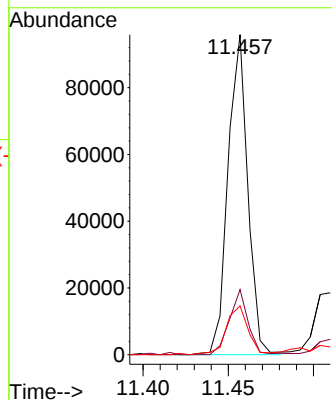
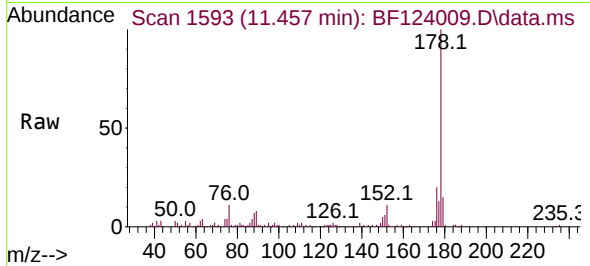
#71
Phenanthrene
Concen: 7.34 ng
RT: 11.457 min Scan# 1593
Delta R.T. 0.006 min
Lab File: BF124009.D
Acq: 20 May 2021 15:08

Tgt Ion:178	Resp:	77560
Ion Ratio	Lower	Upper
178	100	
176	20.3	15.6 23.4
179	15.3	12.5 18.7

Instrument :
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ClientSampleId :
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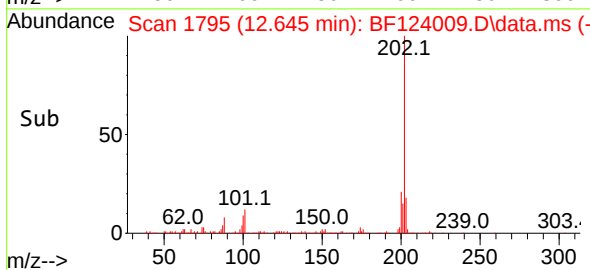
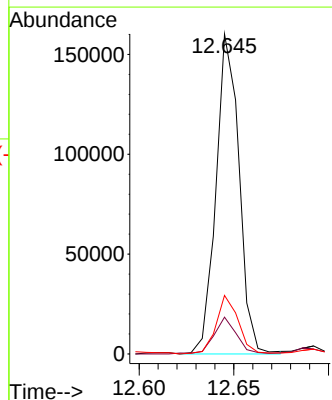
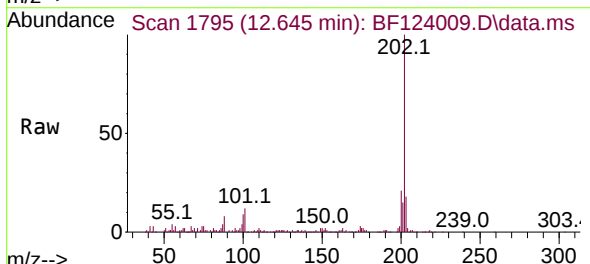
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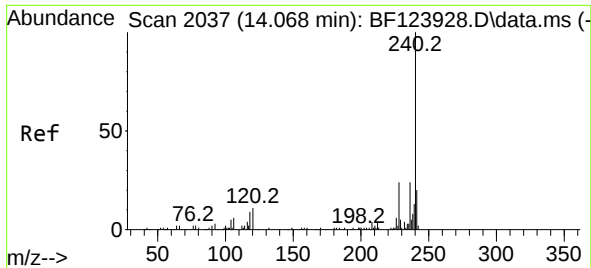
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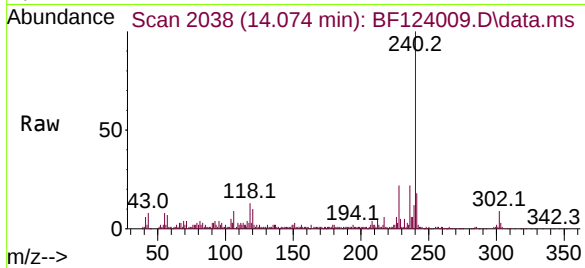
#75
Fluoranthene
Concen: 12.45 ng
RT: 12.645 min Scan# 1795
Delta R.T. 0.006 min
Lab File: BF124009.D
Acq: 20 May 2021 15:08

Tgt Ion:202	Resp:	136095
Ion Ratio	Lower	Upper
202	100	
101	11.5	0.0 30.9
203	18.3	0.0 37.5

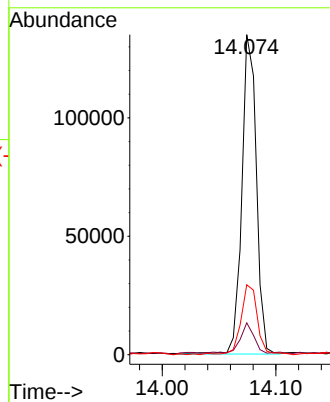
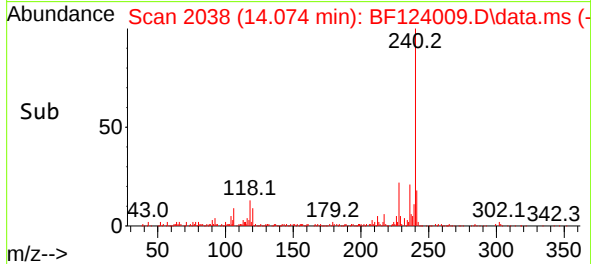




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF124009.D
Acq: 20 May 2021 15:08



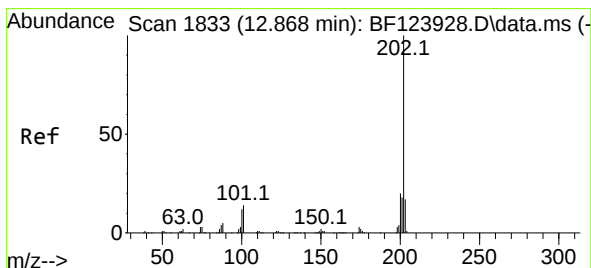
Tgt Ion:240 Resp: 119461
Ion Ratio Lower Upper
240 100
120 9.9 7.2 10.8
236 21.9 19.0 28.4



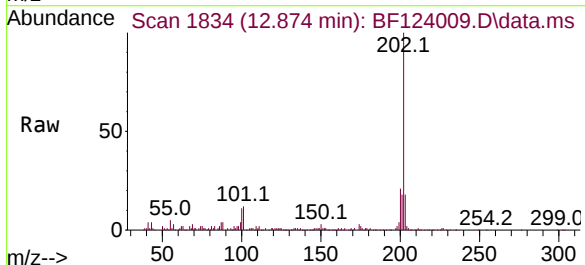
Instrument :
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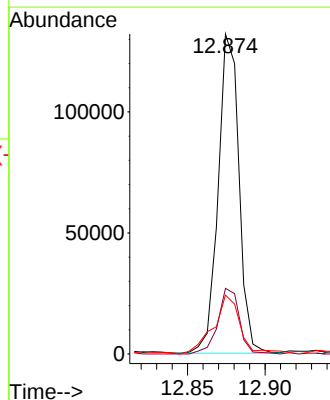
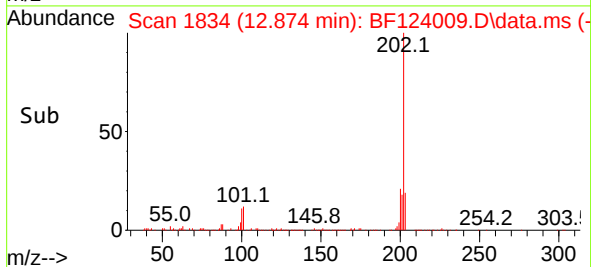
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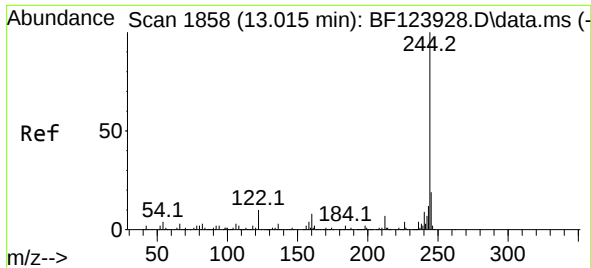


#78
Pyrene
Concen: 11.61 ng
RT: 12.874 min Scan# 1834
Delta R.T. 0.006 min
Lab File: BF124009.D
Acq: 20 May 2021 15:08



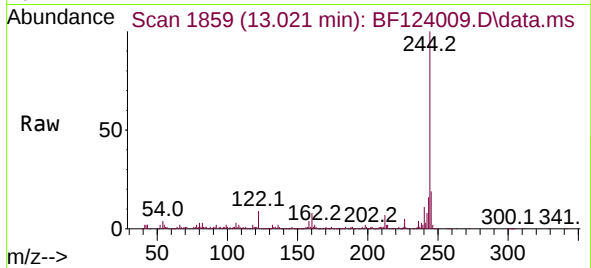
Tgt Ion:202 Resp: 123176
Ion Ratio Lower Upper
202 100
200 20.5 16.1 24.1
203 18.4 14.8 22.2





#79
Terphenyl-d14
Concen: 40.31 ng
RT: 13.021 min Scan# 1859
Delta R.T. 0.006 min
Lab File: BF124009.D
Acq: 20 May 2021 15:08

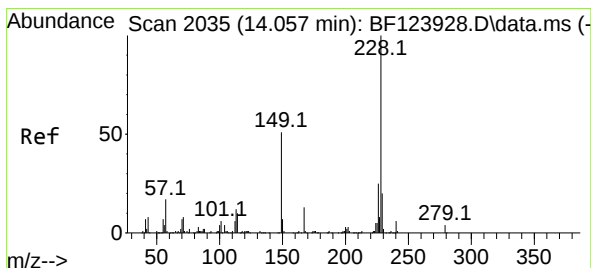
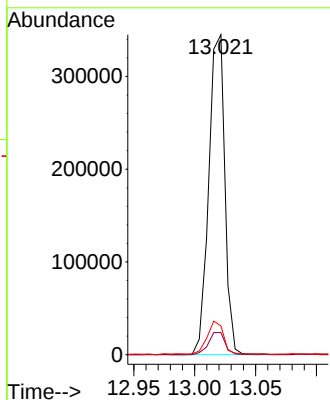
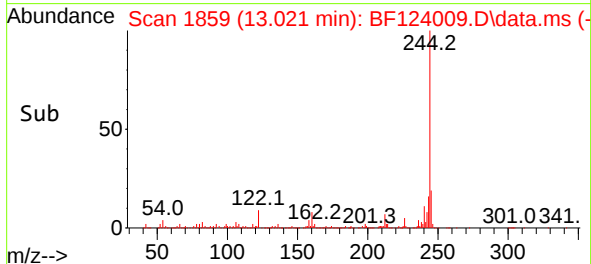
Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3



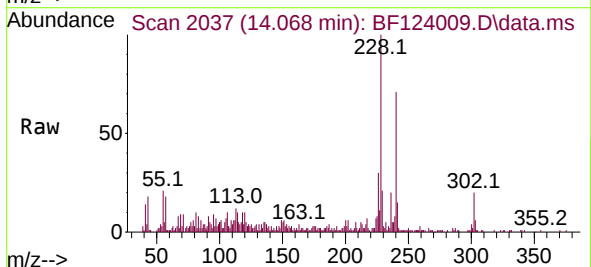
Tgt Ion:244 Resp: 317923
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 9.0 9.7 14.5#

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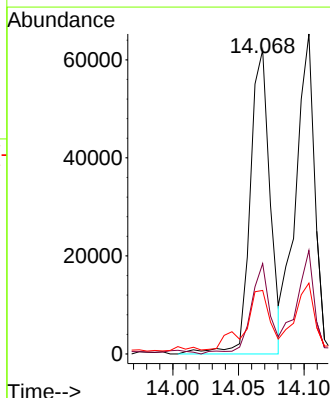
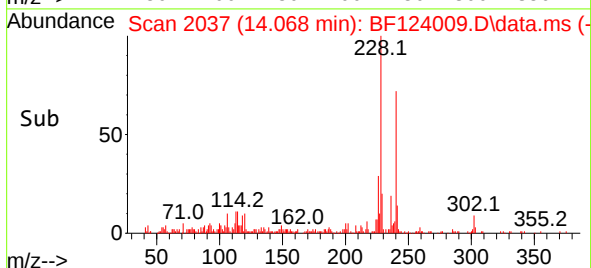
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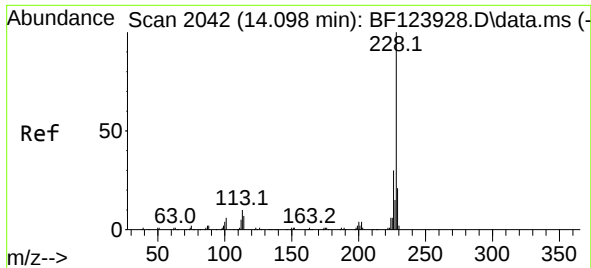


#81
Benzo(a)anthracene
Concen: 7.55 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.012 min
Lab File: BF124009.D
Acq: 20 May 2021 15:08



Tgt Ion:228 Resp: 65266
Ion Ratio Lower Upper
228 100
226 29.8 22.4 33.6
229 20.9 16.0 24.0





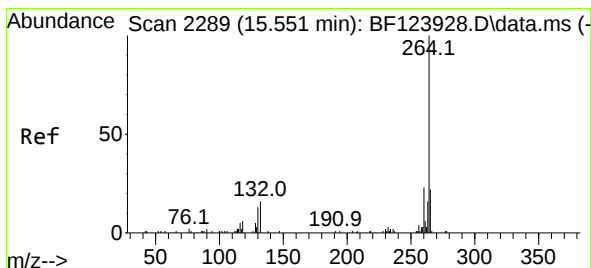
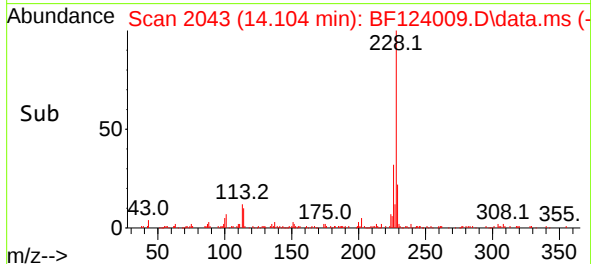
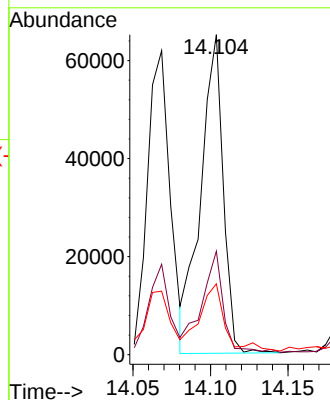
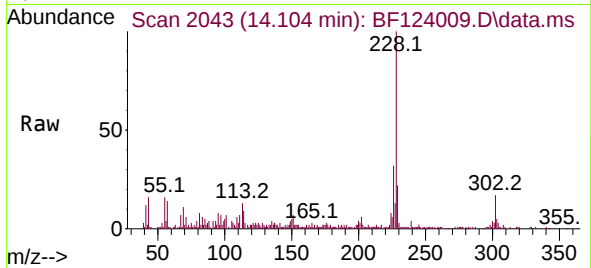
#83
Chrysene
Concen: 7.92 ng
RT: 14.104 min Scan# 2043
Delta R.T. 0.006 min
Lab File: BF124009.D
Acq: 20 May 2021 15:08

Tgt Ion:228	Resp: 65771
Ion Ratio	Lower Upper
228 100	
226 32.3	24.3 36.5
229 22.2	16.2 24.2

Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

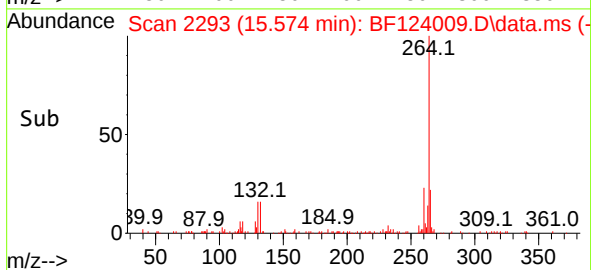
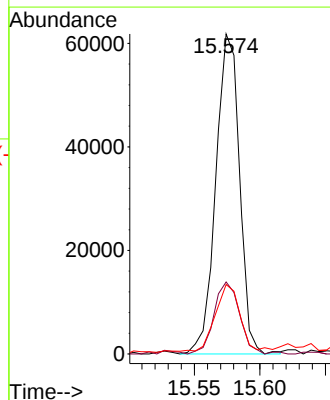
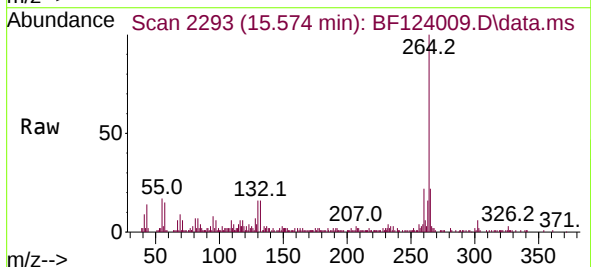
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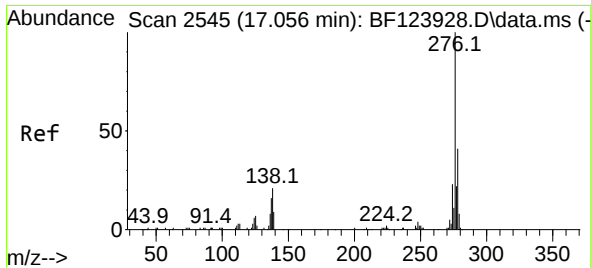
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.574 min Scan# 2293
Delta R.T. 0.024 min
Lab File: BF124009.D
Acq: 20 May 2021 15:08

Tgt Ion:264	Resp: 77585
Ion Ratio	Lower Upper
264 100	
260 22.5	18.7 28.1
265 21.7	17.8 26.8





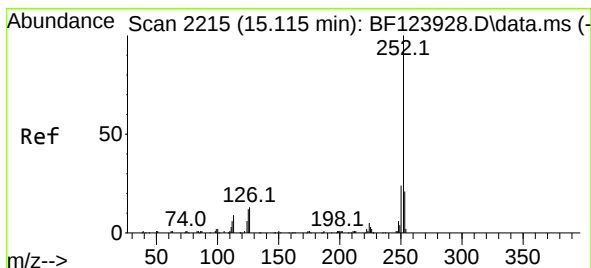
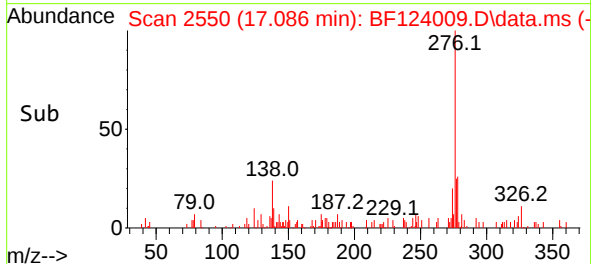
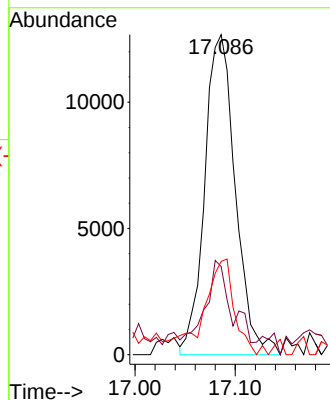
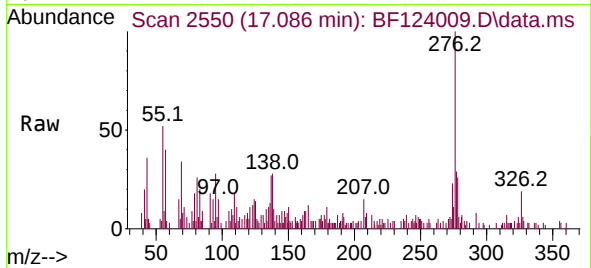
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.51 ng
RT: 17.086 min Scan# 2550
Delta R.T. 0.030 min
Lab File: BF124009.D
Acq: 20 May 2021 15:08

Tgt Ion: 276 Resp: 27017
Ion Ratio Lower Upper
276 100
138 21.7 16.2 24.2
277 29.7 20.1 30.1

Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

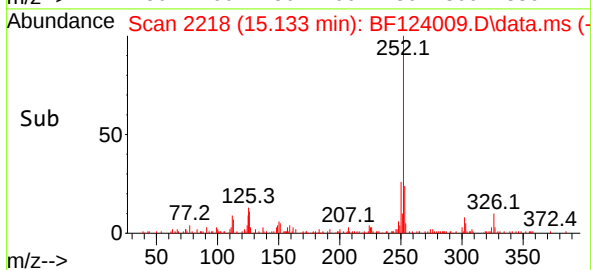
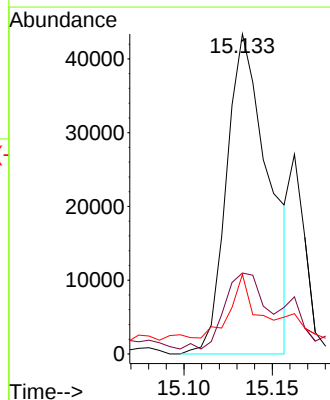
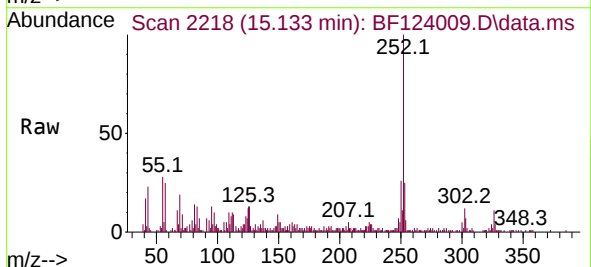
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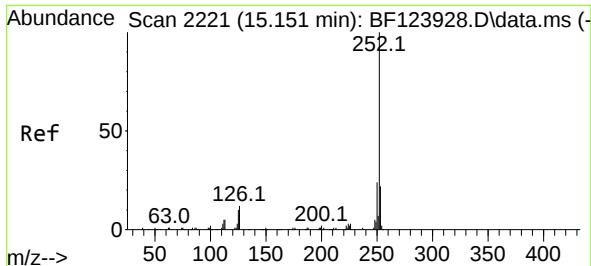
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#88
Benzo(b)fluoranthene
Concen: 11.97 ng m
RT: 15.133 min Scan# 2218
Delta R.T. 0.018 min
Lab File: BF124009.D
Acq: 20 May 2021 15:08

Tgt Ion: 252 Resp: 71842
Ion Ratio Lower Upper
252 100
253 25.3 18.1 27.1
125 12.9 6.2 9.4#





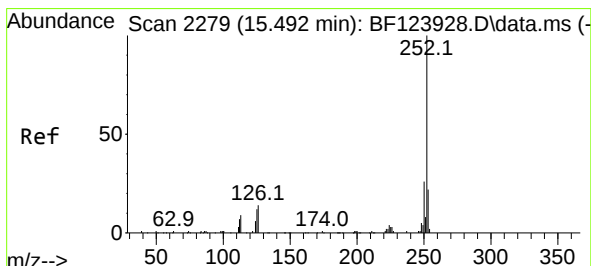
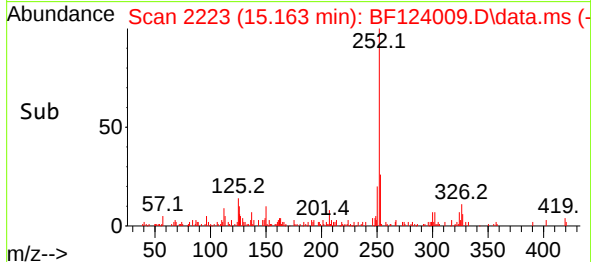
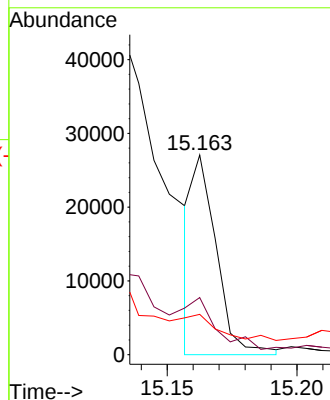
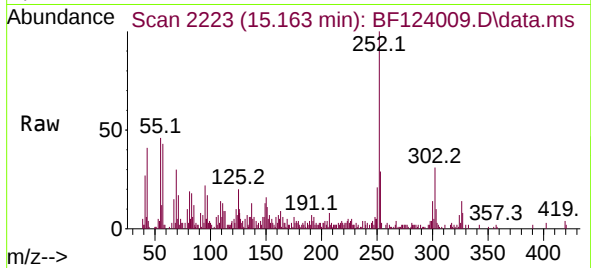
#89
Benzo(k)fluoranthene
Concen: 3.13 ng m
RT: 15.163 min Scan# 2223
Delta R.T. 0.012 min
Lab File: BF124009.D
Acq: 20 May 2021 15:08

Tgt Ion:252 Resp: 17097
Ion Ratio Lower Upper
252 100
253 28.6 17.9 26.9#
125 20.2 7.0 10.6#

Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

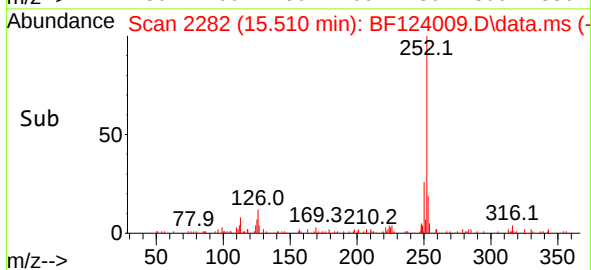
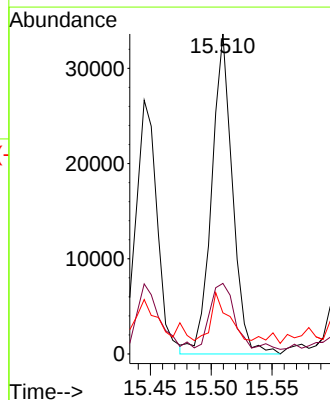
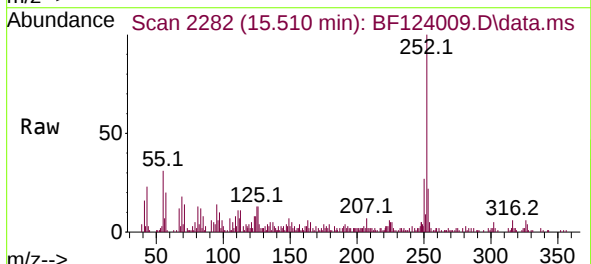
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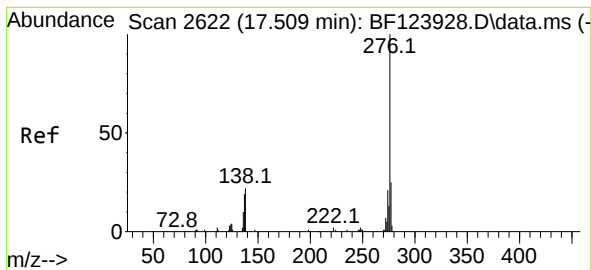
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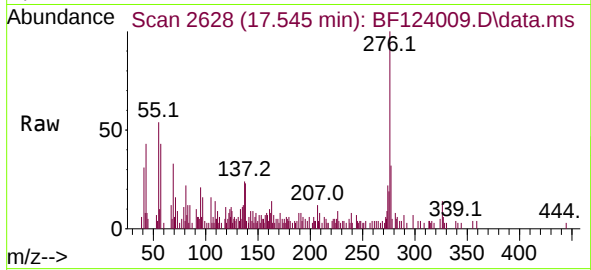
#90
Benzo(a)pyrene
Concen: 7.75 ng
RT: 15.510 min Scan# 2282
Delta R.T. 0.018 min
Lab File: BF124009.D
Acq: 20 May 2021 15:08

Tgt Ion:252 Resp: 40214
Ion Ratio Lower Upper
252 100
253 22.0 18.4 27.6
125 12.9 8.0 12.0#

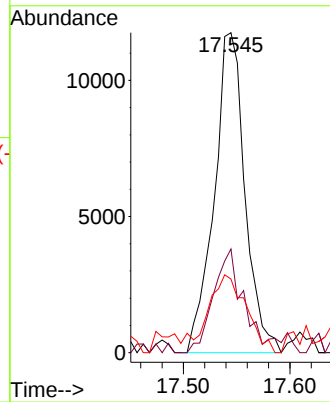
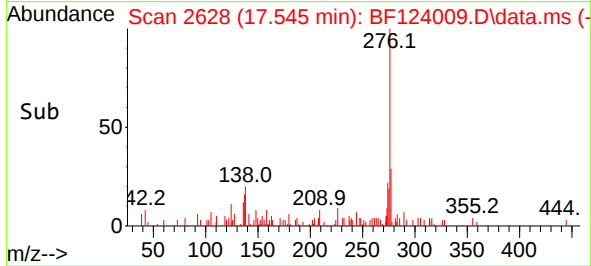




#92
Benzo(g,h,i)perylene
Concen: 4.66 ng
RT: 17.545 min Scan# 2628
Delta R.T. 0.035 min
Lab File: BF124009.D
Acq: 20 May 2021 15:08



Tgt Ion	Ratio	Lower	Upper
276	100		
277	32.4	18.2	27.2#
138	23.0	13.8	20.6#



Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

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