

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
 Data File : BF124013.D
 Acq On : 20 May 2021 17:18
 Operator : JU/CG
 Sample : M2462-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WATER-MAIN-BREAK-SOIL

Manual Integrations
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Quant Time: May 20 18:22:02 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	42215	20.00	ng	0.00
21) Naphthalene-d8	8.192	136	182263	20.00	ng	0.00
39) Acenaphthene-d10	9.945	164	105567	20.00	ng	0.00
64) Phenanthrene-d10	11.433	188	179379	20.00	ng	0.00
76) Chrysene-d12	14.074	240	127120	20.00	ng	# 0.00
86) Perylene-d12	15.574	264	83803	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	260763	86.73	ng	0.01
7) Phenol-d6	6.528	99	330976	84.86	ng	0.00
23) Nitrobenzene-d5	7.469	82	248219	58.68	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	106558	84.04	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	466612	54.39	ng	0.00
79) Terphenyl-d14	13.021	244	449762	53.59	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.645	202	37600	3.19	ng	96
78) Pyrene	12.874	202	30745	2.72	ng	94
88) Benzo(b)fluoranthene	15.133	252	16508m	2.55	ng	
90) Benzo(a)pyrene	15.504	252	12021	2.15	ng	# 68

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

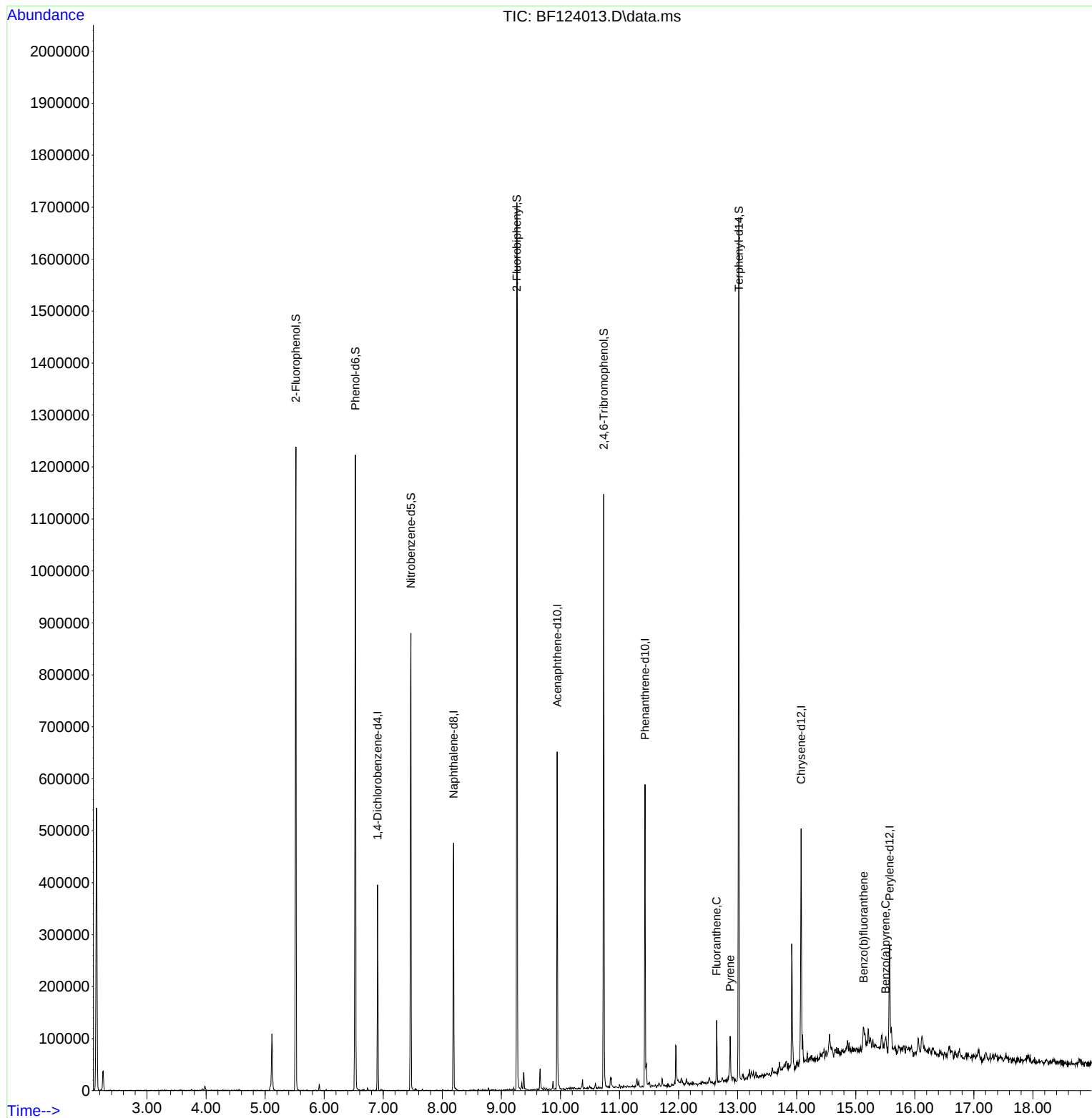
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Data File : BF124013.D
Acq On : 20 May 2021 17:18
Operator : JU/CG
Sample : M2462-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

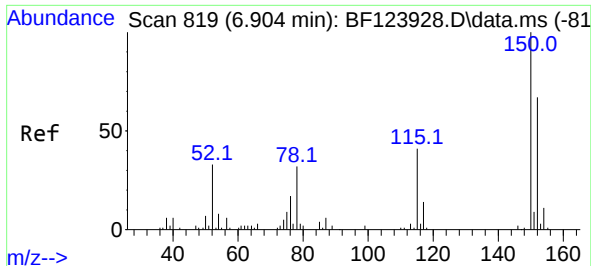
Instrument :
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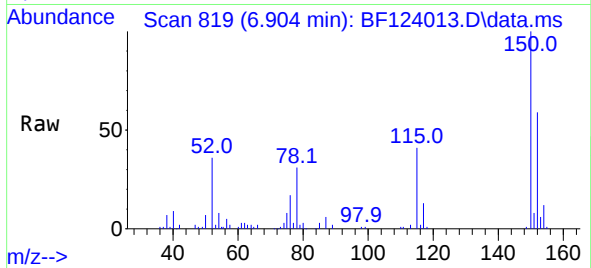
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Quant Time: May 20 18:22:02 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 14 19:05:57 2021
Response via : Initial Calibration

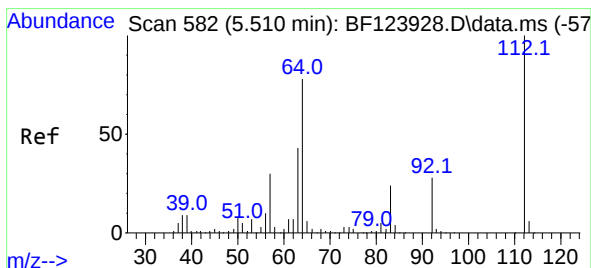
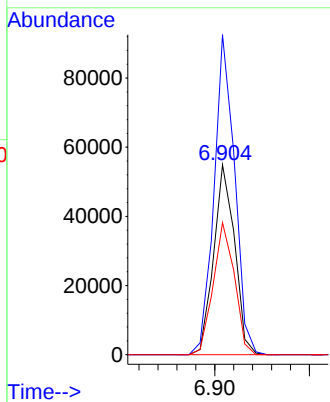
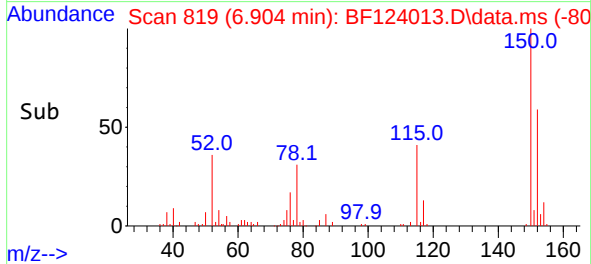




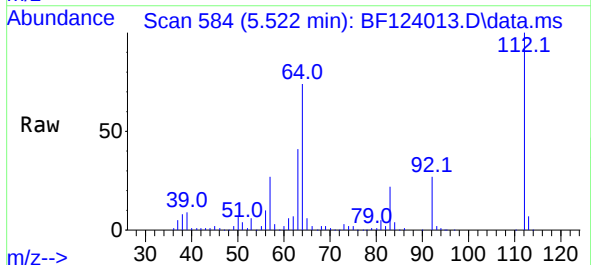
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1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18



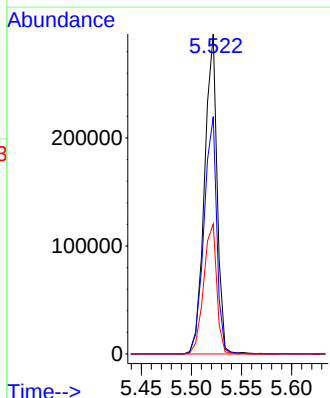
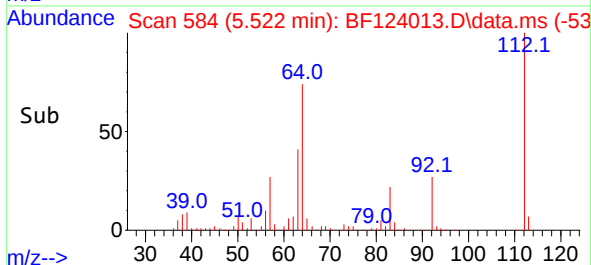
Tgt Ion:152 Resp: 42215
Ion Ratio Lower Upper
152 100
150 168.4 127.0 190.6
115 69.4 54.3 81.5



#5
2-Fluorophenol
Concen: 86.73 ng
RT: 5.522 min Scan# 584
Delta R.T. 0.012 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18



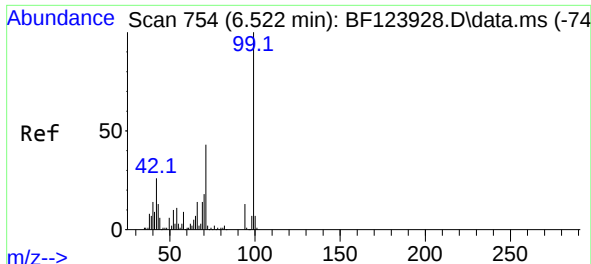
Tgt Ion:112 Resp: 260763
Ion Ratio Lower Upper
112 100
64 74.2 61.4 92.0
63 40.7 33.0 49.4



Instrument :
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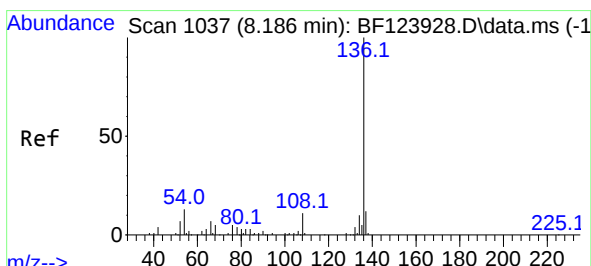
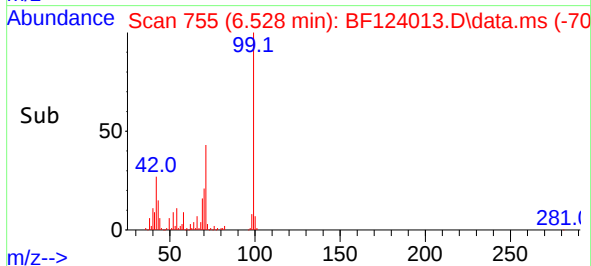
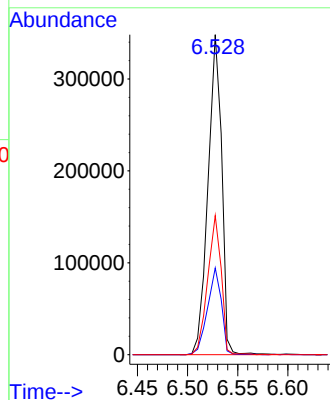
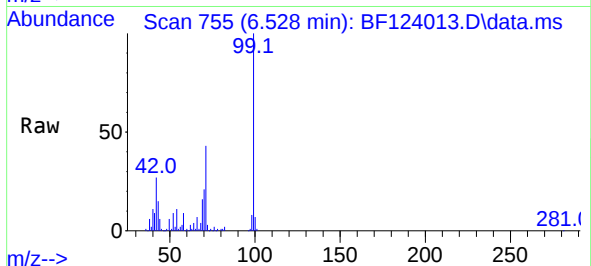
#7
Phenol-d6
Concen: 84.86 ng
RT: 6.528 min Scan# 755
Delta R.T. 0.006 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18

Tgt Ion:	99	Resp:	330976
Ion	Ratio	Lower	Upper
99	100		
42	27.1	19.8	29.8
71	43.4	31.1	46.7

Instrument :
BNA_F
ClientSampleId :
WATER-MAIN-BREAK-SOIL

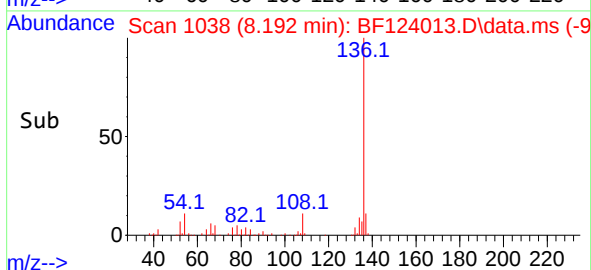
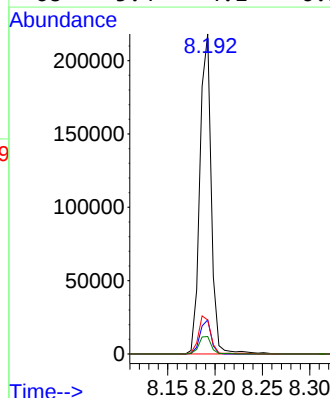
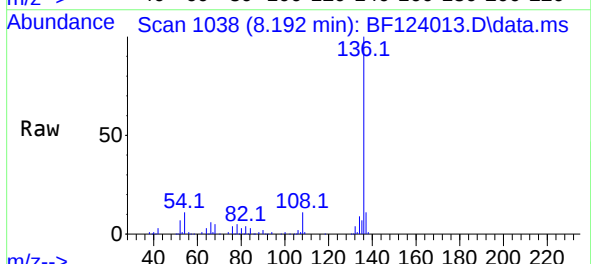
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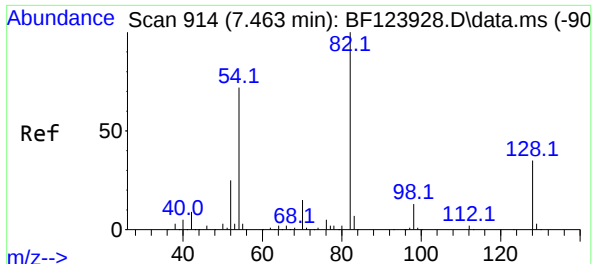
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.192 min Scan# 1038
Delta R.T. 0.006 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18

Tgt Ion:	136	Resp:	182263
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	10.6	9.8	14.6
68	5.4	4.1	6.1





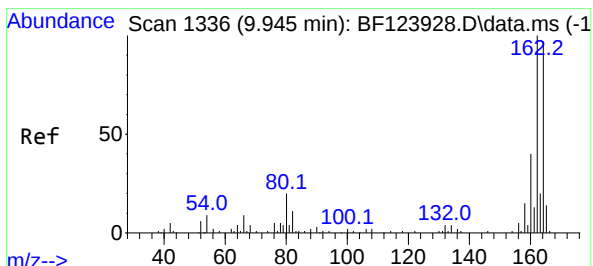
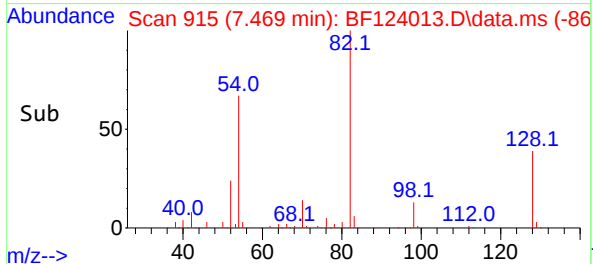
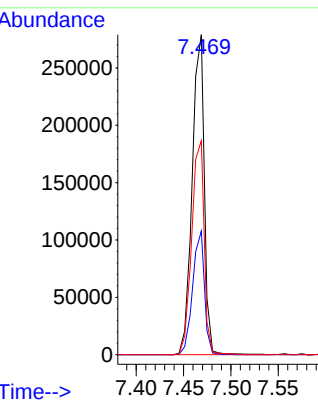
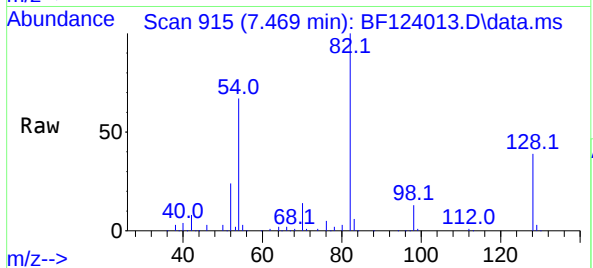
#23
Nitrobenzene-d5
Concen: 58.68 ng
RT: 7.469 min Scan# 915
Delta R.T. 0.006 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18

Tgt Ion: 82 Resp: 248219
Ion Ratio Lower Upper
82 100
128 38.6 29.4 44.2
54 66.9 54.1 81.1

Instrument :
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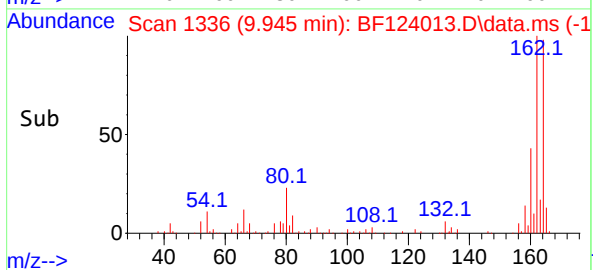
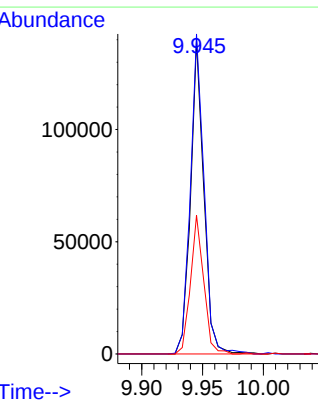
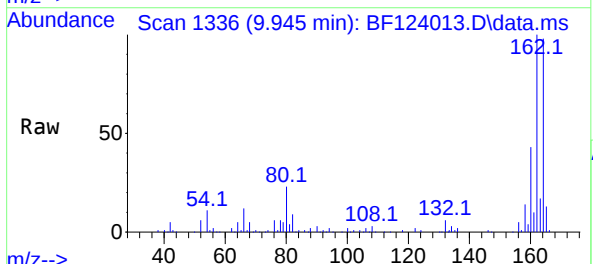
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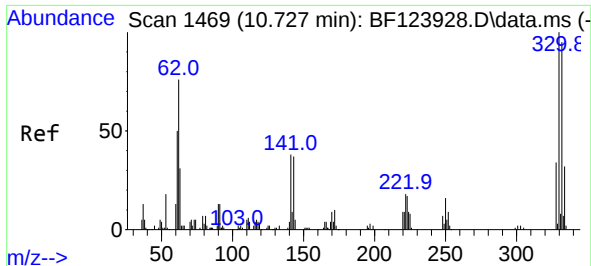
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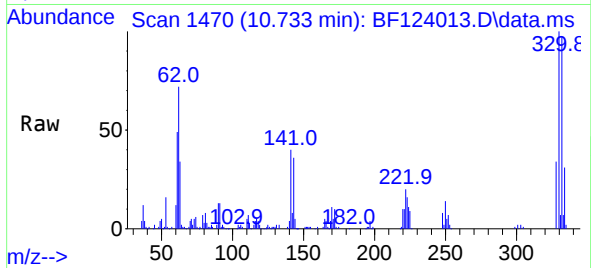
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18

Tgt Ion:164 Resp: 105567
Ion Ratio Lower Upper
164 100
162 102.2 80.7 121.1
160 44.3 37.3 55.9

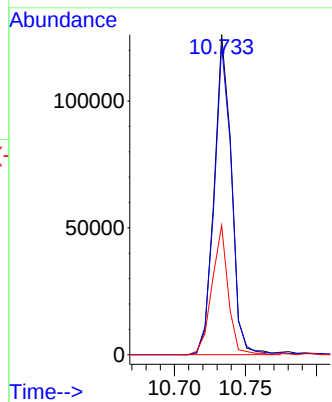
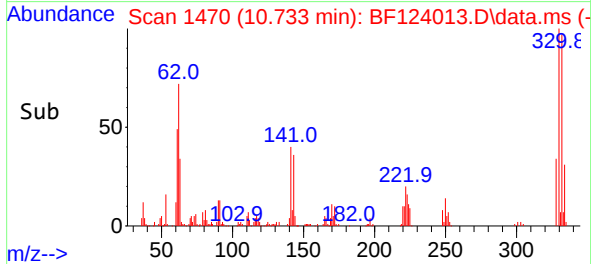




#42
2,4,6-Tribromophenol
Concen: 84.04 ng
RT: 10.733 min Scan# 1470
Delta R.T. 0.006 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18



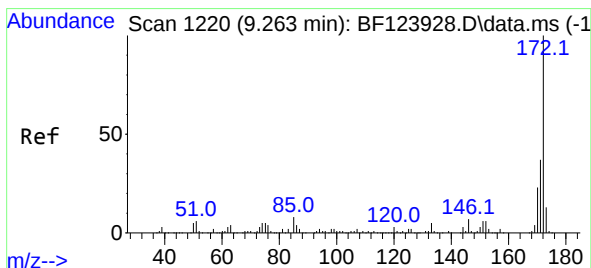
Tgt Ion: 330 Resp: 106558
Ion Ratio Lower Upper
330 100
332 98.1 77.1 115.7
141 37.6 27.9 41.9



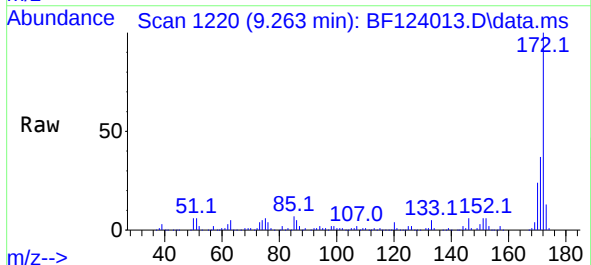
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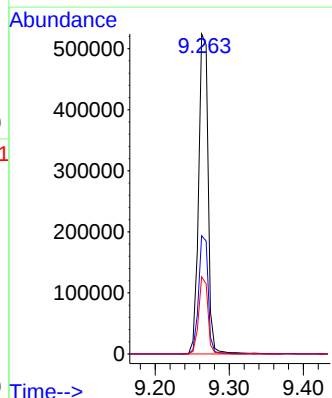
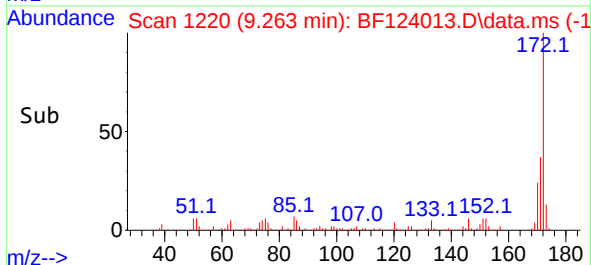
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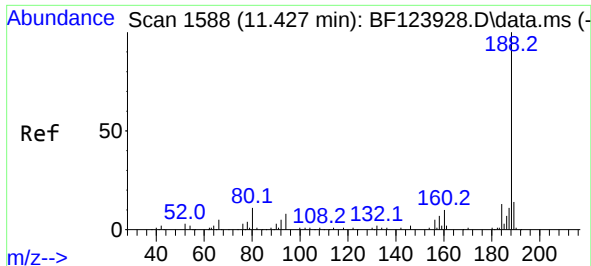


#45
2-Fluorobiphenyl
Concen: 54.39 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18

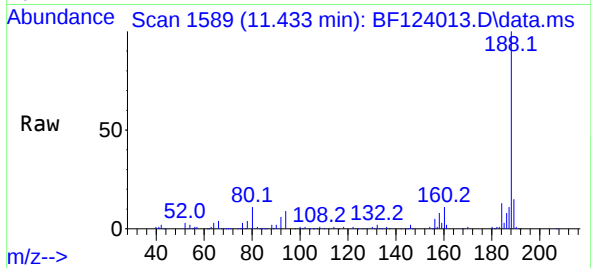


Tgt Ion: 172 Resp: 466612
Ion Ratio Lower Upper
172 100
171 37.0 28.1 42.1
170 24.1 19.2 28.8

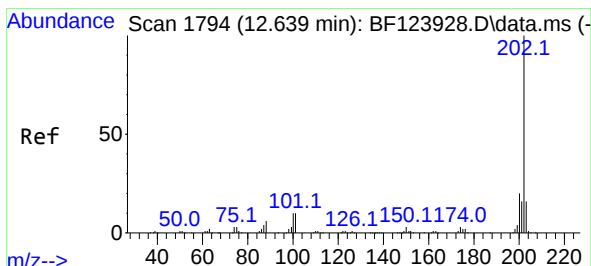
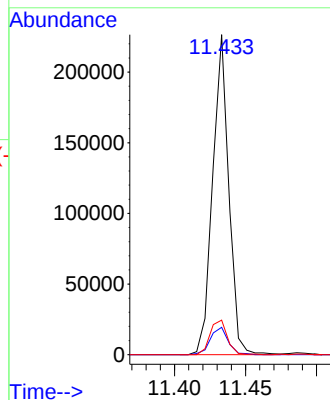
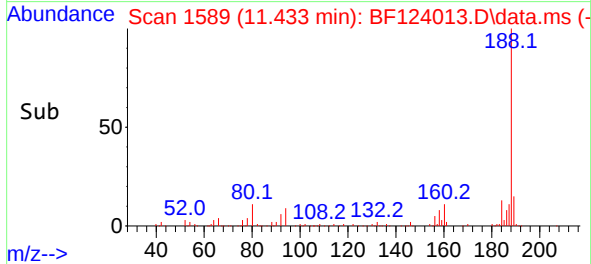




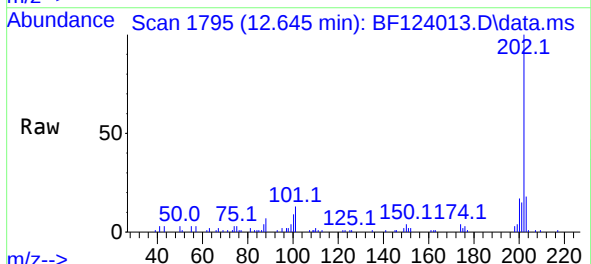
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.006 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18



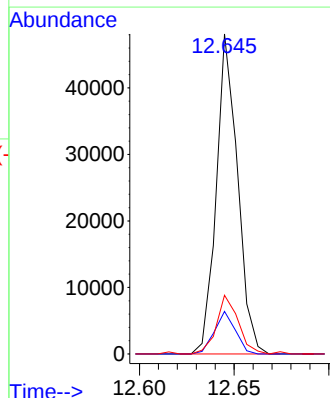
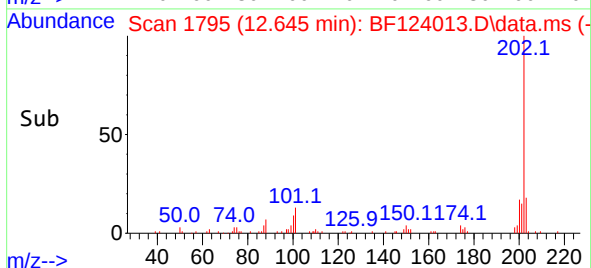
Tgt Ion:188 Resp: 179379
Ion Ratio Lower Upper
188 100
94 8.5 6.9 10.3
80 10.8 8.2 12.2



#75
Fluoranthene
Concen: 3.19 ng
RT: 12.645 min Scan# 1795
Delta R.T. 0.006 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18



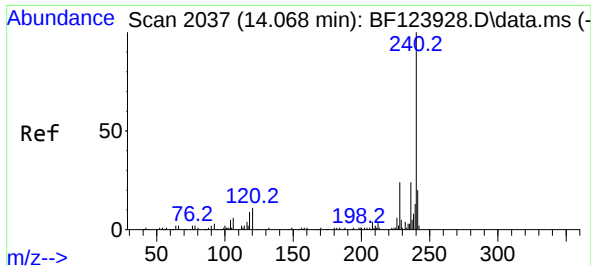
Tgt Ion:202 Resp: 37600
Ion Ratio Lower Upper
202 100
101 13.3 0.0 30.9
203 18.3 0.0 37.5



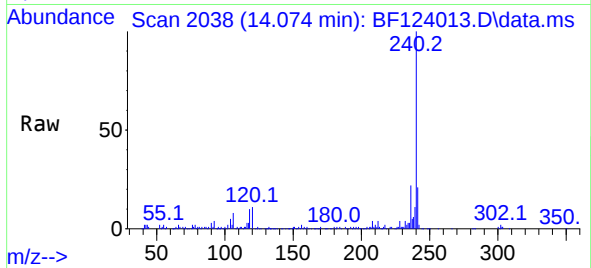
Instrument :
BNA_F
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WATER-MAIN-BREAK-SOIL

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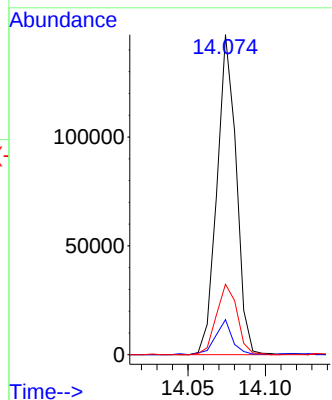
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#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18



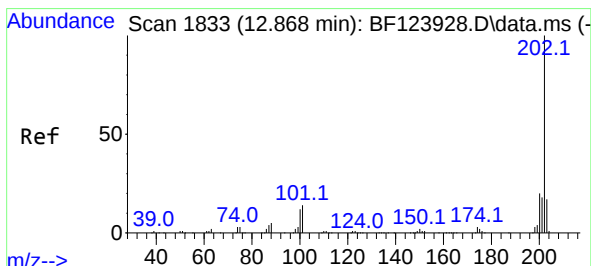
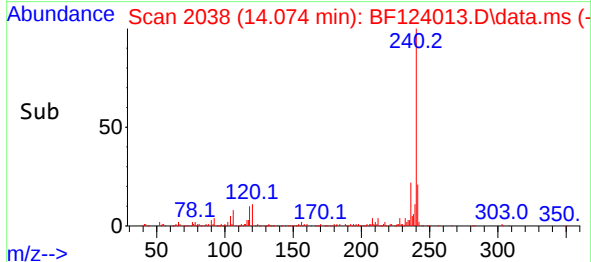
Tgt Ion:240 Resp: 127120
Ion Ratio Lower Upper
240 100
120 10.9 7.2 10.8#
236 22.0 19.0 28.4



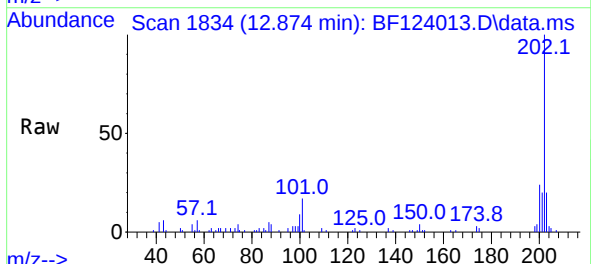
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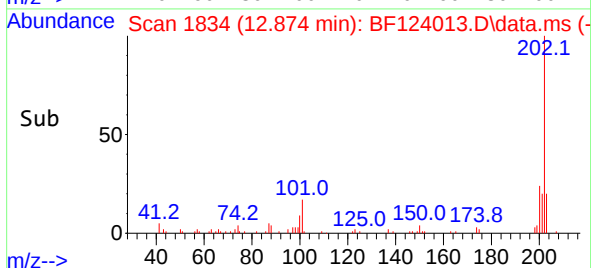
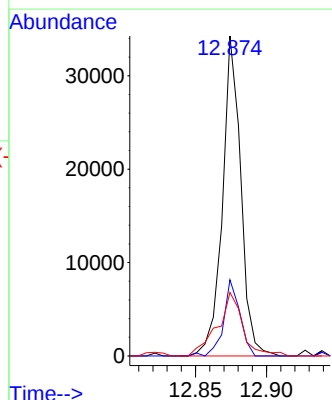
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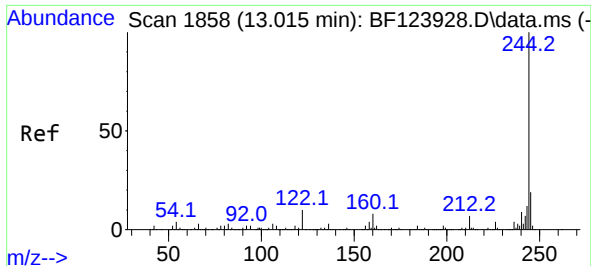


#78
Pyrene
Concen: 2.72 ng
RT: 12.874 min Scan# 1834
Delta R.T. 0.006 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18



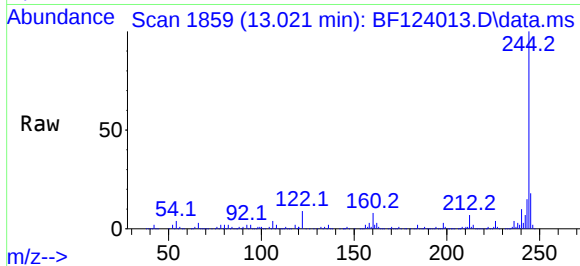
Tgt Ion:202 Resp: 30745
Ion Ratio Lower Upper
202 100
200 23.8 16.1 24.1
203 19.8 14.8 22.2





#79
Terphenyl-d14
Concen: 53.59 ng
RT: 13.021 min Scan# 1859
Delta R.T. 0.006 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18

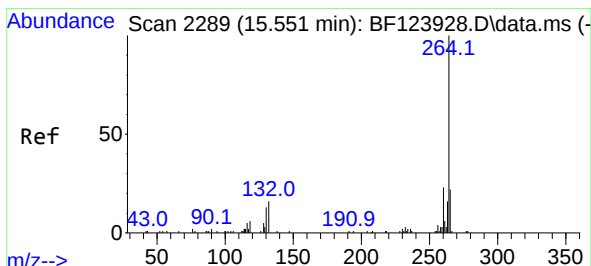
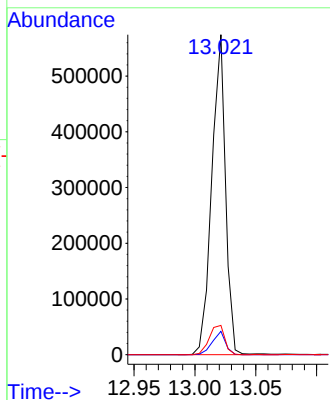
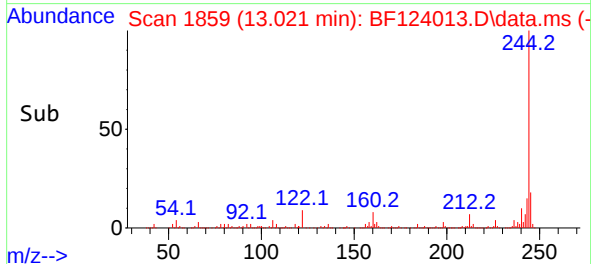
Instrument :
BNA_F
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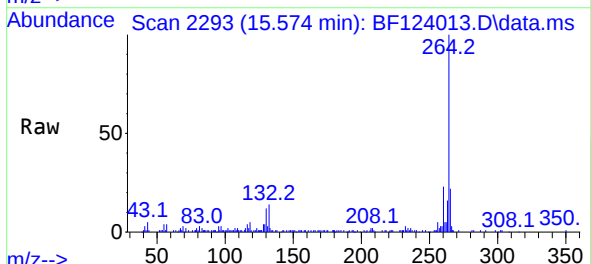
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Ion Ratio Lower Upper
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212 7.3 5.7 8.5
122 9.2 9.7 14.5#

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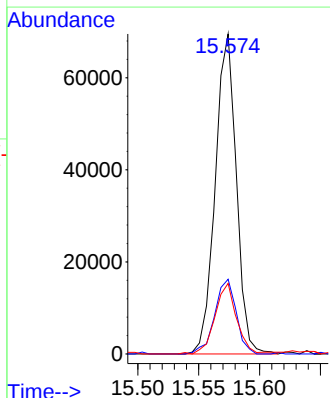
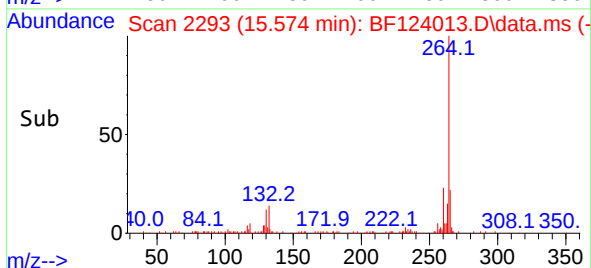
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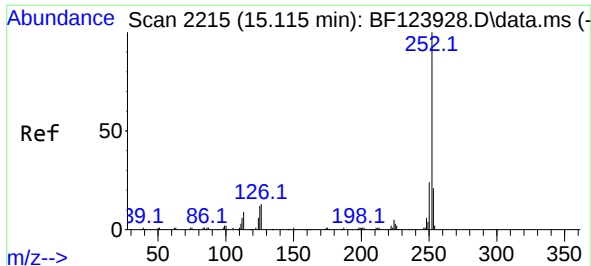


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.574 min Scan# 2293
Delta R.T. 0.023 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18



Tgt Ion:264 Resp: 83803
Ion Ratio Lower Upper
264 100
260 23.3 18.7 28.1
265 22.1 17.8 26.8





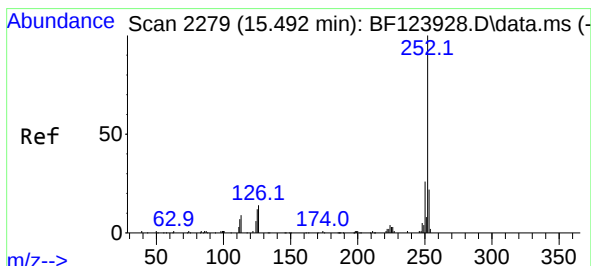
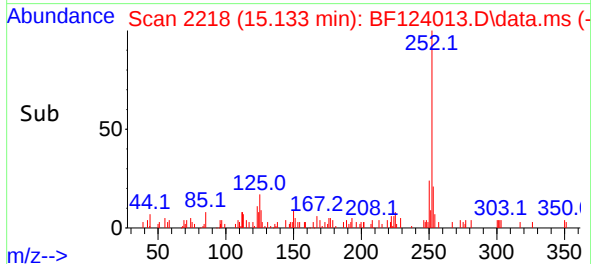
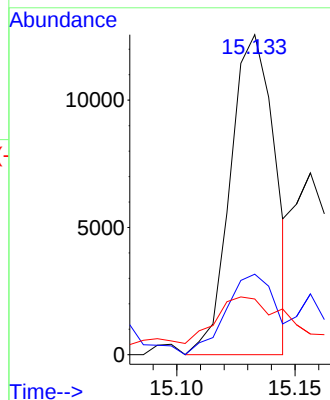
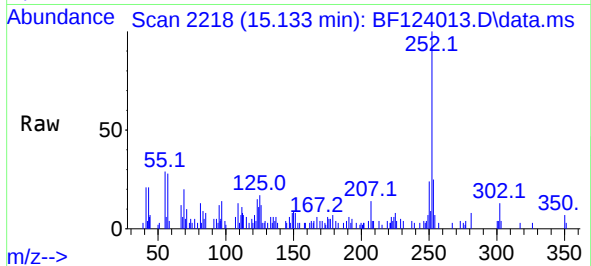
#88
Benzo(b)fluoranthene
Concen: 2.55 ng m
RT: 15.133 min Scan# 2218
Delta R.T. 0.018 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18

Tgt Ion: 252 Resp: 16508
Ion Ratio Lower Upper
252 100
253 25.2 18.1 27.1
125 17.4 6.2 9.4#

Instrument :
BNA_F
ClientSampleId :
WATER-MAIN-BREAK-SOIL

Manual Integrations
APPROVED

mohammad
5/21/2021 3:21:33 PM



#90
Benzo(a)pyrene
Concen: 2.15 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BF124013.D
Acq: 20 May 2021 17:18

Tgt Ion: 252 Resp: 12021
Ion Ratio Lower Upper
252 100
253 38.2 18.4 27.6#
125 22.3 8.0 12.0#

