

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052421\
 Data File : BF124045.D
 Acq On : 24 May 2021 19:17
 Operator : JU/CG
 Sample : M2479-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MIXED-SUBBASE-GROUND-4-10-D

Manual Integrations
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Quant Time: May 25 01:29:28 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	6.893	152	52268	20.00	ng	-0.01
21) Naphthalene-d8	8.175	136	181351	20.00	ng	-0.01
39) Acenaphthene-d10	9.934	164	91585	20.00	ng	-0.01
64) Phenanthrene-d10	11.422	188	159216	20.00	ng	0.00
76) Chrysene-d12	14.069	240	89314	20.00	ng	# 0.00
86) Perylene-d12	15.568	264	66565	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	230858	62.01	ng	0.00
7) Phenol-d6	6.516	99	271678	56.26	ng	0.00
23) Nitrobenzene-d5	7.451	82	206628	49.09	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	72352	65.77	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	328537	44.14	ng	-0.01
79) Terphenyl-d14	13.010	244	320663	54.38	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.639	163	48181	6.59	ng	100
71) Phenanthrene	11.445	178	24281	2.41	ng	94
75) Fluoranthene	12.639	202	66619	6.38	ng	97
78) Pyrene	12.869	202	65553	8.27	ng	97
81) Benzo(a)anthracene	14.057	228	26167	4.05	ng	95
83) Chrysene	14.092	228	25165m	4.05	ng	
88) Benzo(b)fluoranthene	15.127	252	28416m	5.52	ng	
89) Benzo(k)fluoranthene	15.157	252	10195m	2.17	ng	
90) Benzo(a)pyrene	15.504	252	20523	4.61	ng	# 68
92) Benzo(g,h,i)perylene	17.545	276	16611	3.83	ng	# 73

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

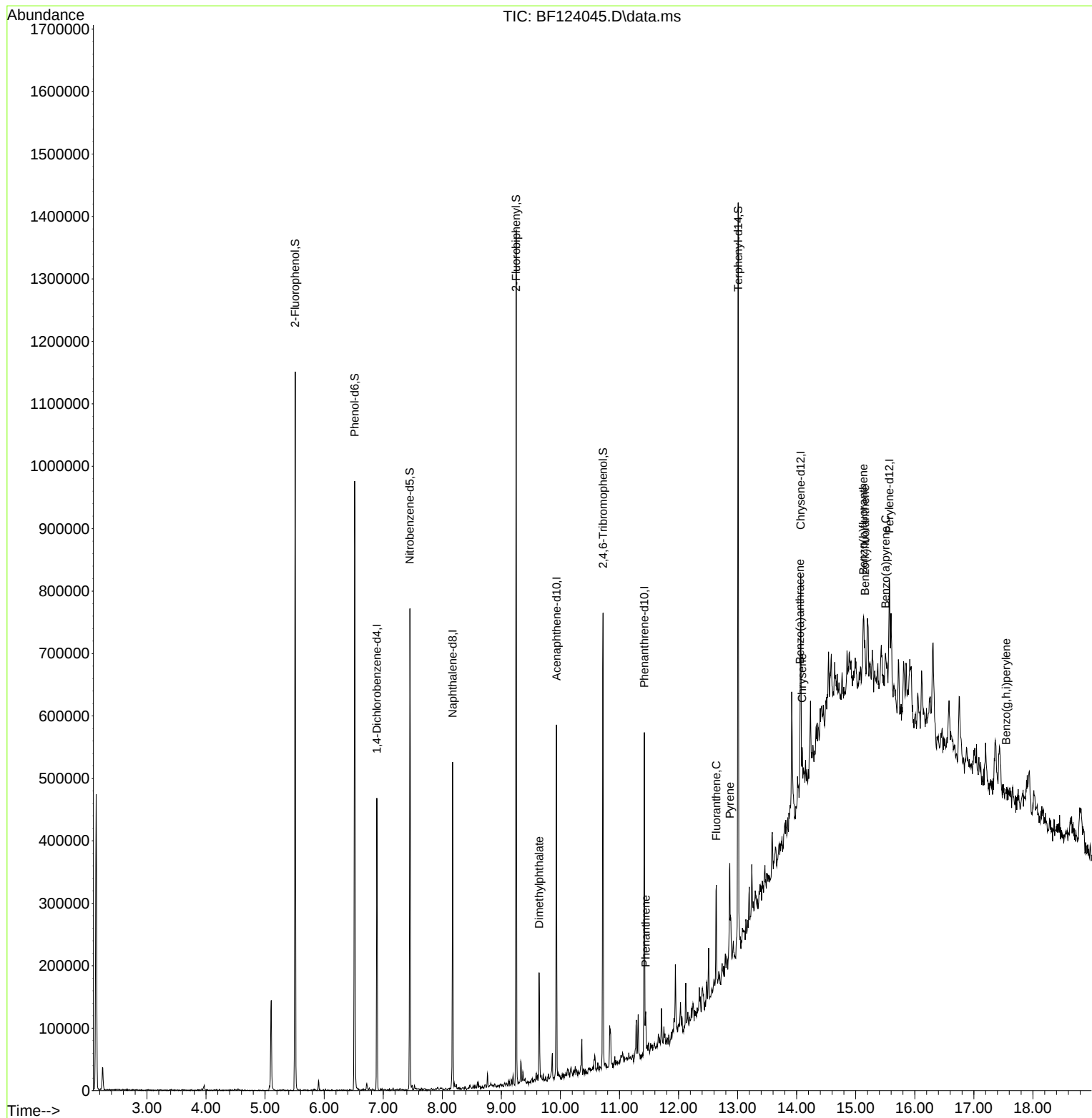
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Data File : BF124045.D
Acq On : 24 May 2021 19:17
Operator : JU/CG
Sample : M2479-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

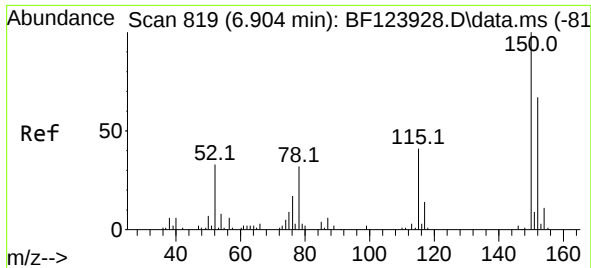
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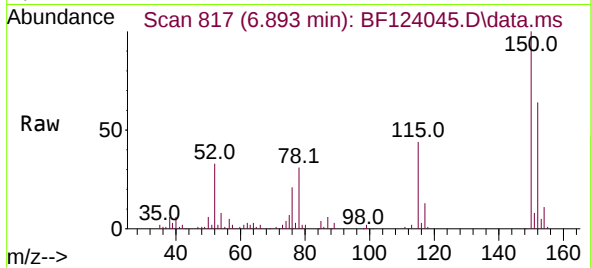
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
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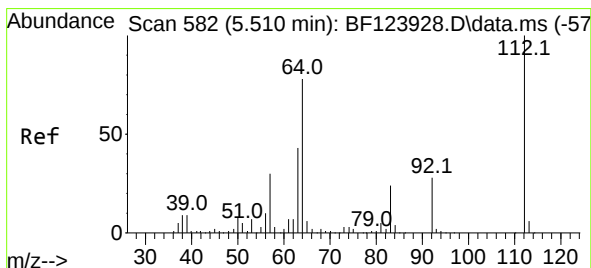
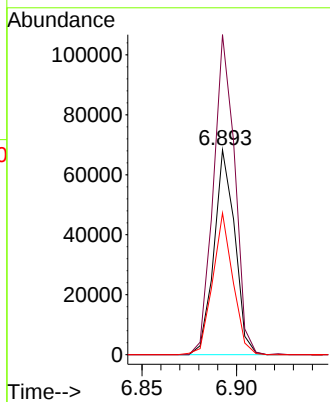
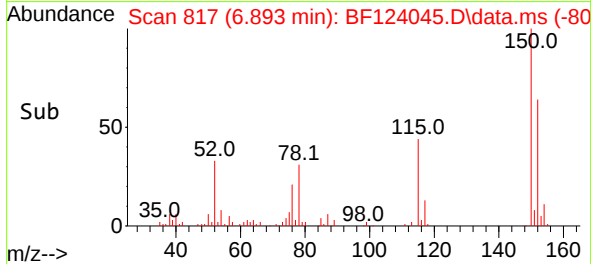




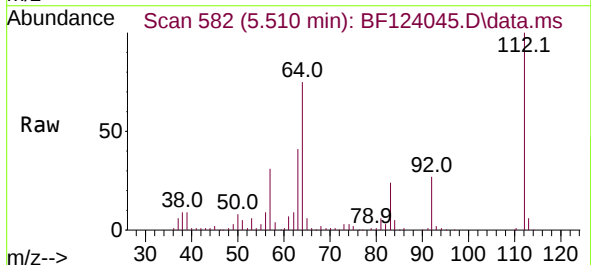
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.893 min Scan# 817
Delta R.T. -0.011 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17



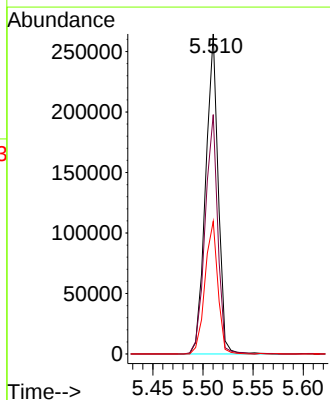
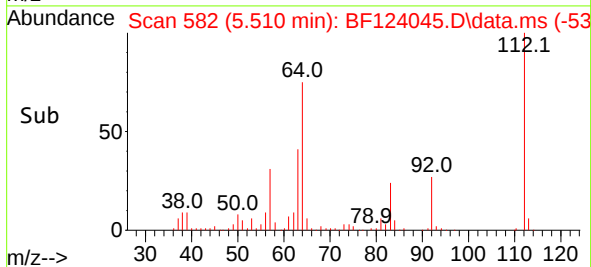
Tgt Ion:152 Resp: 52268
Ion Ratio Lower Upper
152 100
150 156.3 127.0 190.6
115 69.1 54.3 81.5



#5
2-Fluorophenol
Concen: 62.01 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.000 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17



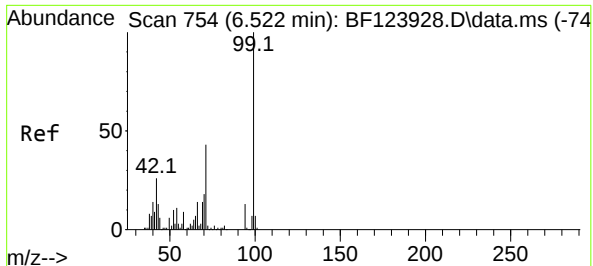
Tgt Ion:112 Resp: 230858
Ion Ratio Lower Upper
112 100
64 74.8 61.4 92.0
63 41.5 33.0 49.4



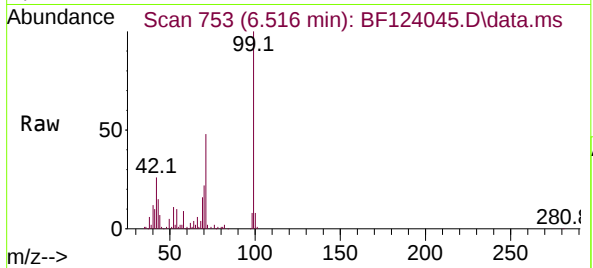
Instrument :
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ClientSampleId :
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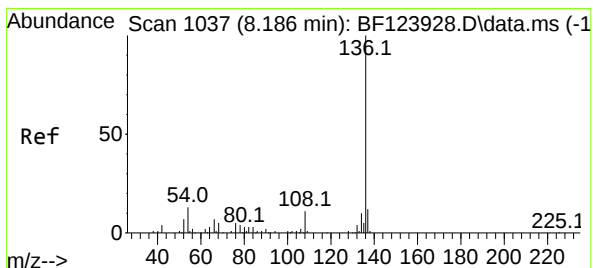
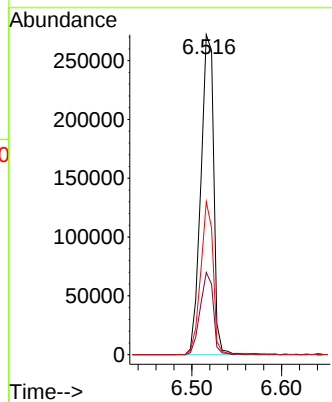
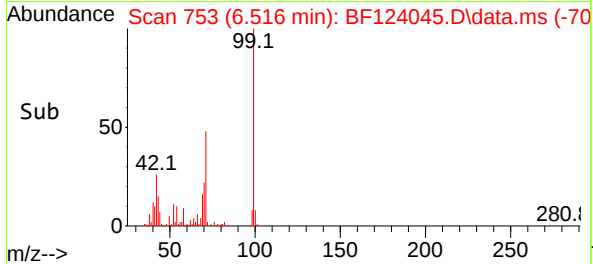
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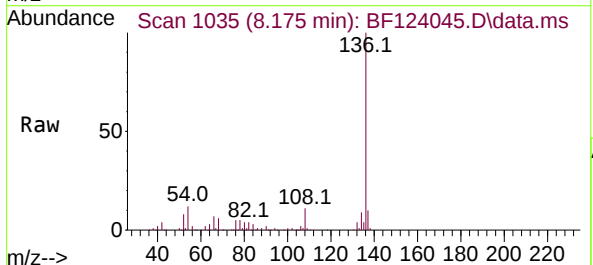
#7
Phenol-d6
Concen: 56.26 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17



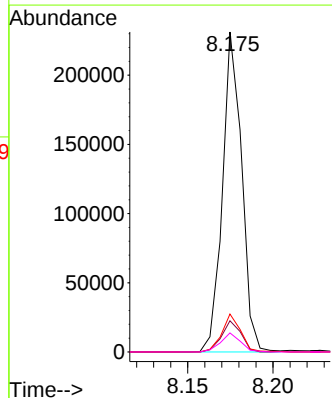
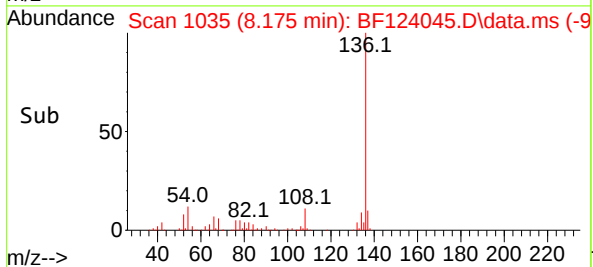
Tgt Ion: 99 Resp: 271678
Ion Ratio Lower Upper
99 100
42 25.7 19.8 29.8
71 47.8 31.1 46.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.011 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17



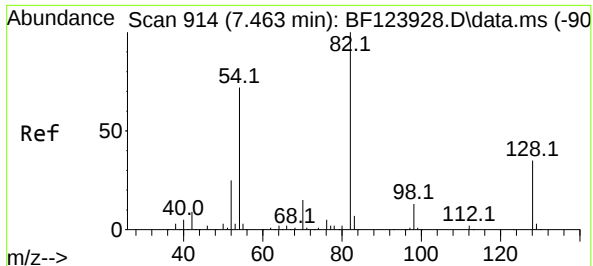
Tgt Ion: 136 Resp: 181351
Ion Ratio Lower Upper
136 100
137 9.8 8.7 13.1
54 11.9 9.8 14.6
68 5.9 4.1 6.1



Instrument :
BNA_F
ClientSampleId :
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#23

Nitrobenzene-d5

Concen: 49.09 ng

RT: 7.451 min Scan# 912

Delta R.T. -0.012 min

Lab File: BF124045.D

Acq: 24 May 2021 19:17

Tgt Ion: 82 Resp: 206628

Ion Ratio Lower Upper

82 100

128 32.7 29.4 44.2

54 66.3 54.1 81.1

Instrument :

BNA_F

ClientSampleId :

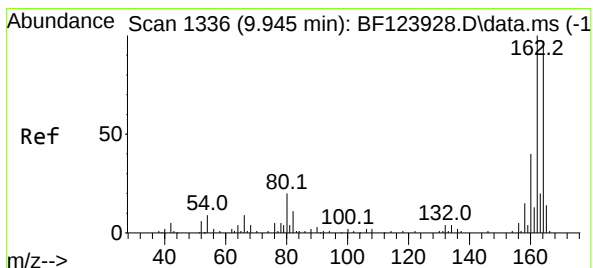
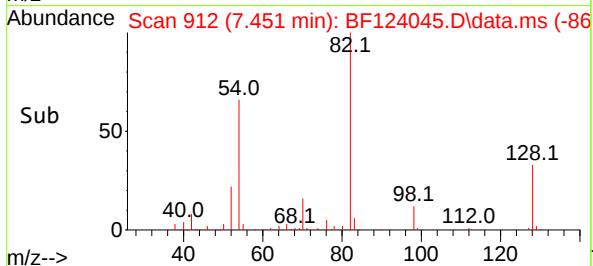
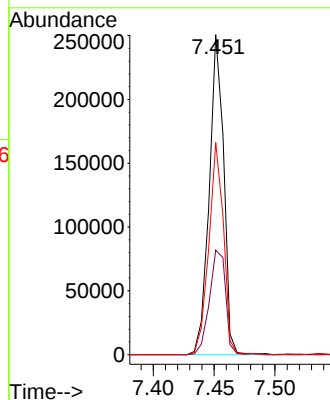
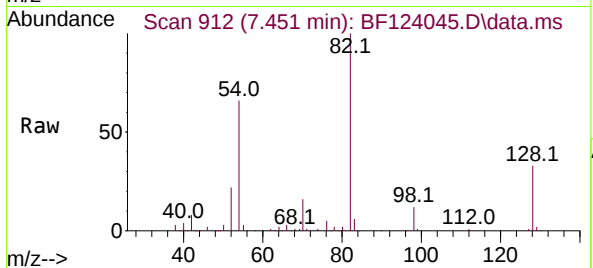
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#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.934 min Scan# 1334

Delta R.T. -0.011 min

Lab File: BF124045.D

Acq: 24 May 2021 19:17

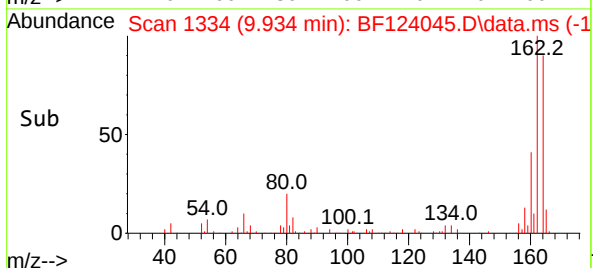
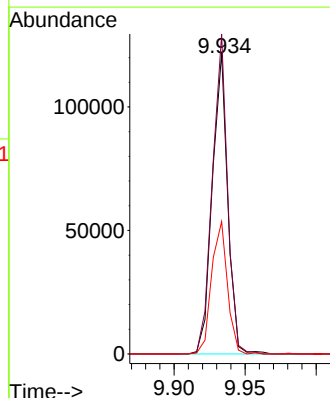
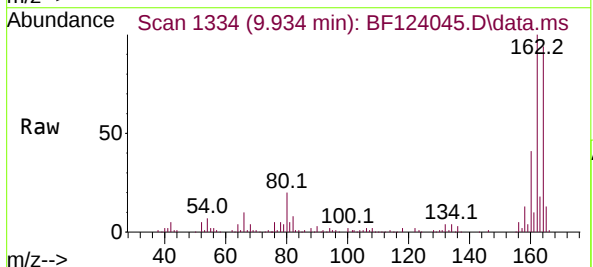
Tgt Ion:164 Resp: 91585

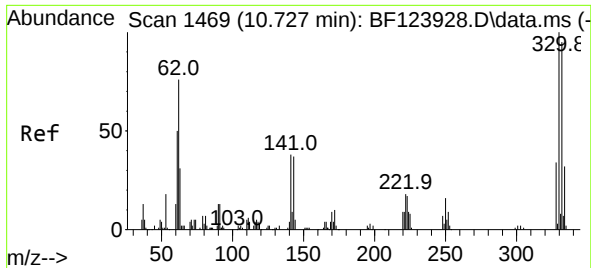
Ion Ratio Lower Upper

164 100

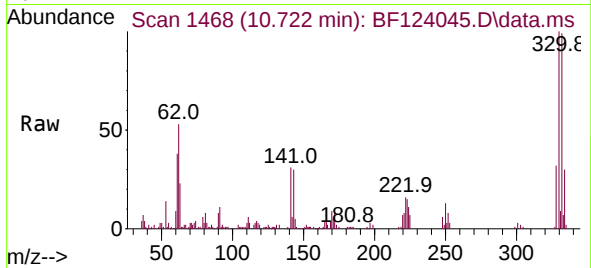
162 106.3 80.7 121.1

160 43.9 37.3 55.9

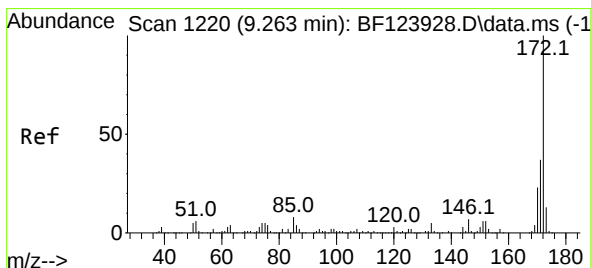
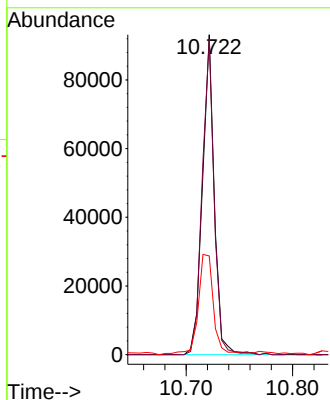
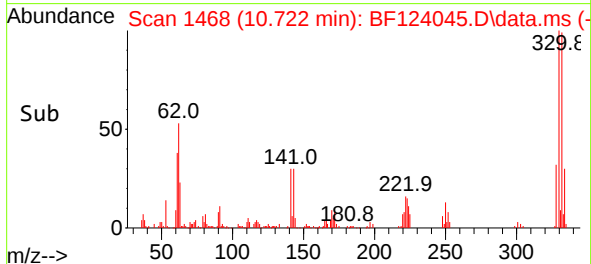




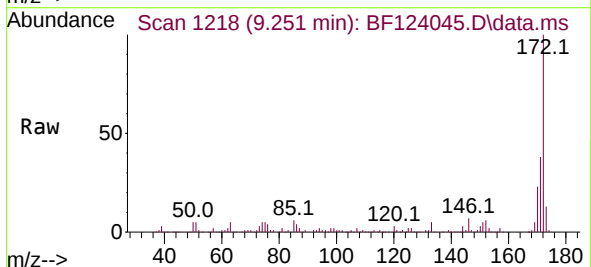
#42
2,4,6-Tribromophenol
Concen: 65.77 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.006 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17



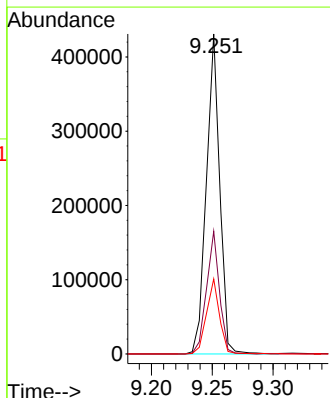
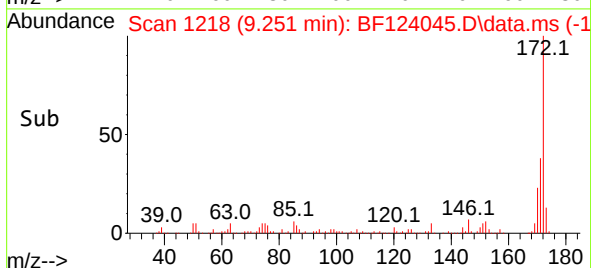
Tgt Ion: 330 Resp: 72352
Ion Ratio Lower Upper
330 100
332 98.9 77.1 115.7
141 40.2 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 44.14 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17



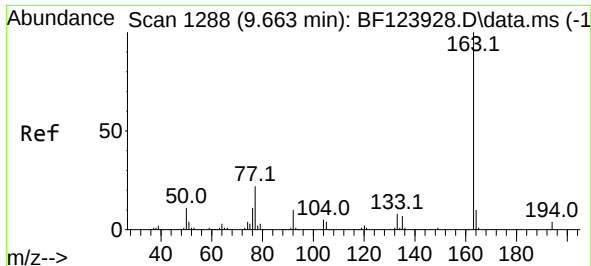
Tgt Ion: 172 Resp: 328537
Ion Ratio Lower Upper
172 100
171 38.4 28.1 42.1
170 23.4 19.2 28.8



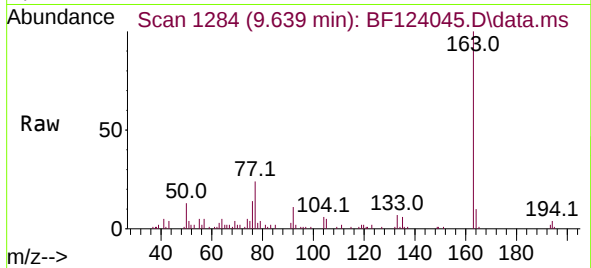
Instrument :
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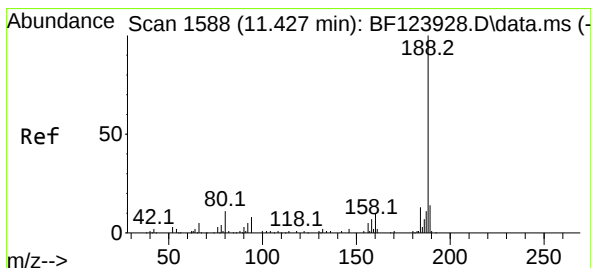
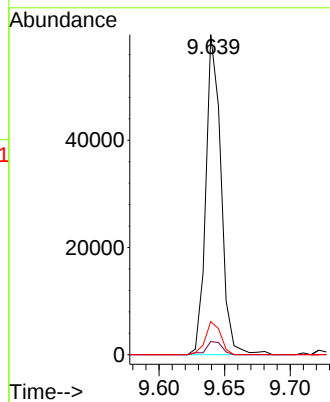
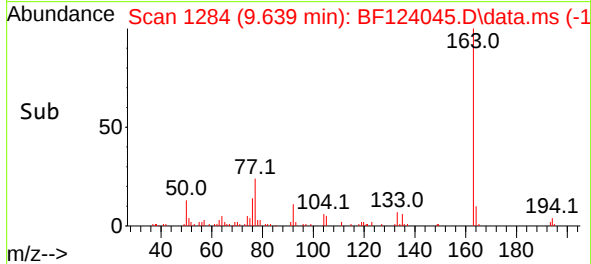
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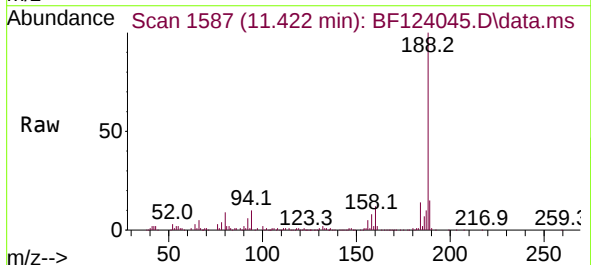
#50
Dimethylphthalate
Concen: 6.59 ng
RT: 9.639 min Scan# 1284
Delta R.T. -0.023 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17



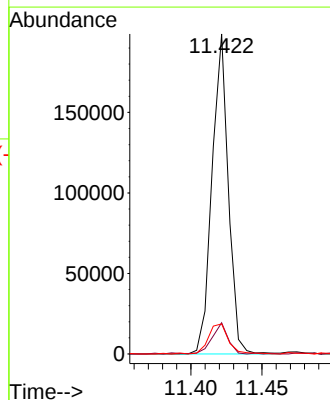
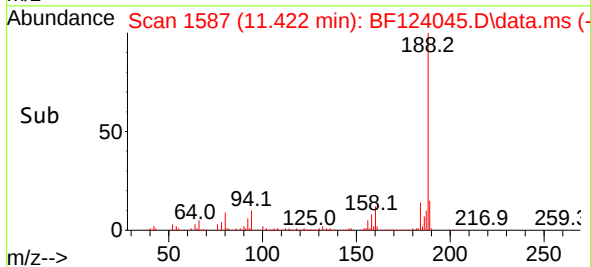
Tgt Ion:163 Resp: 48181
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 10.3 8.2 12.2



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.005 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17



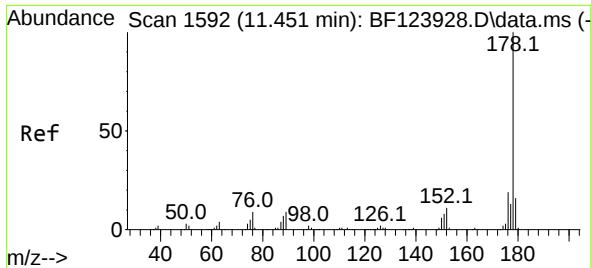
Tgt Ion:188 Resp: 159216
Ion Ratio Lower Upper
188 100
94 9.8 6.9 10.3
80 9.4 8.2 12.2



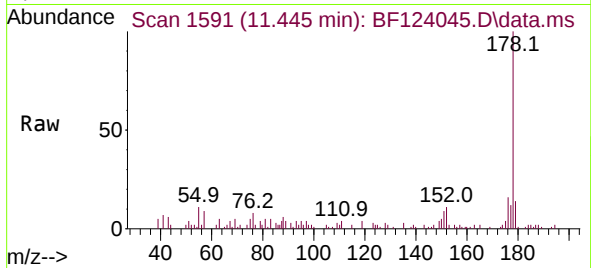
Instrument :
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#71
Phenanthrene
Concen: 2.41 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.006 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

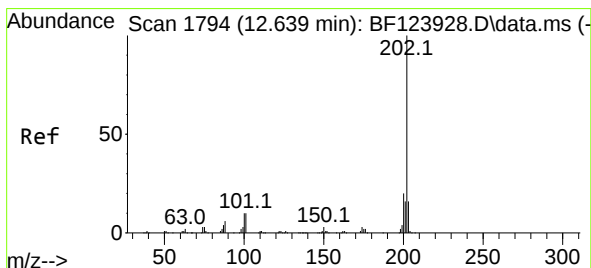
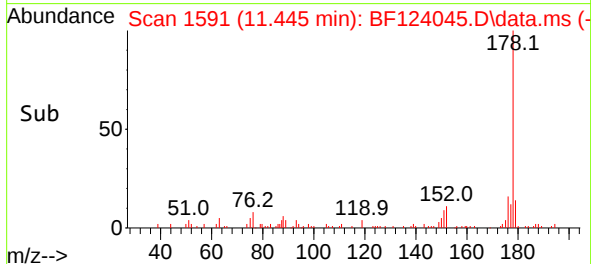
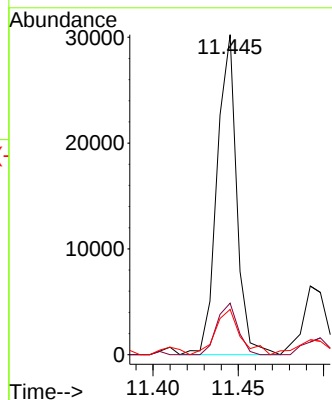


Tgt Ion:178 Resp: 24281
Ion Ratio Lower Upper
178 100
176 16.1 15.6 23.4
179 14.2 12.5 18.7

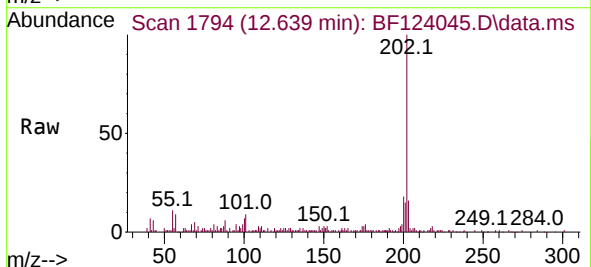
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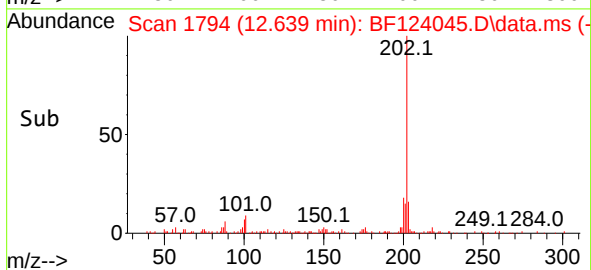
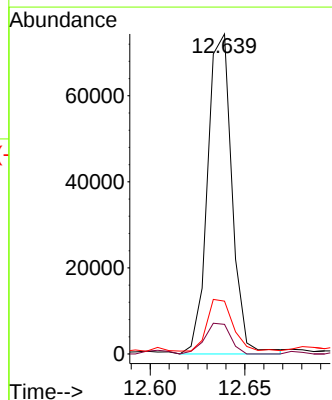
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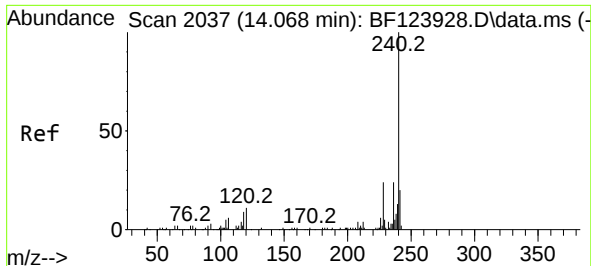


#75
Fluoranthene
Concen: 6.38 ng
RT: 12.639 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17



Tgt Ion:202 Resp: 66619
Ion Ratio Lower Upper
202 100
101 9.3 0.0 30.9
203 16.5 0.0 37.5





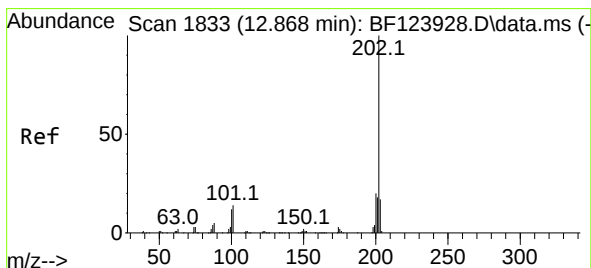
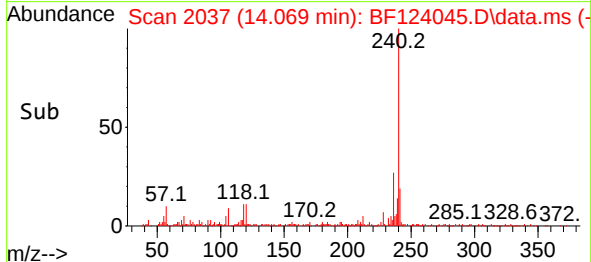
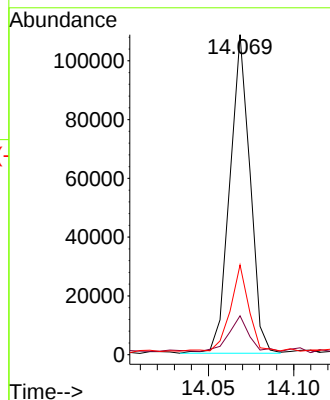
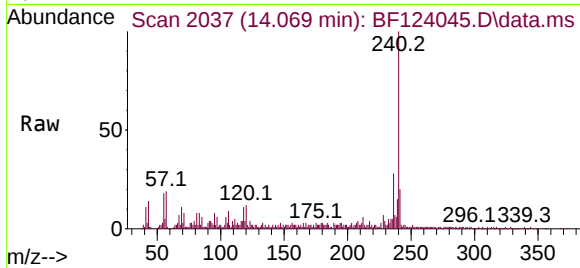
#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.069 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

Tgt Ion:240 Resp: 89314
Ion Ratio Lower Upper
240 100
120 12.2 7.2 10.8#
236 28.1 19.0 28.4

Instrument :
BNA_F
ClientSampleId :
MIXED-SUBBASE-GROUND-4-10-D

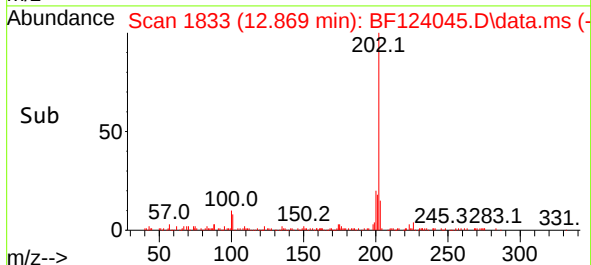
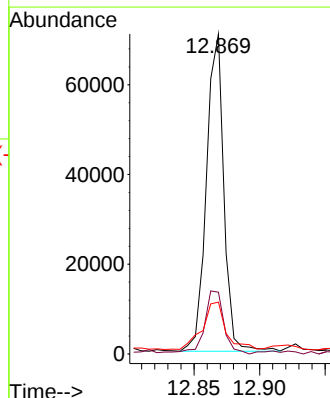
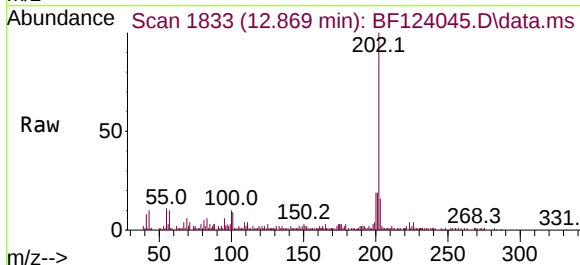
Manual Integrations
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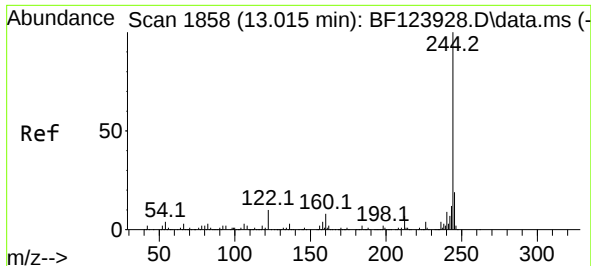
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#78
Pyrene
Concen: 8.27 ng
RT: 12.869 min Scan# 1833
Delta R.T. 0.000 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

Tgt Ion:202 Resp: 65553
Ion Ratio Lower Upper
202 100
200 19.3 16.1 24.1
203 16.2 14.8 22.2





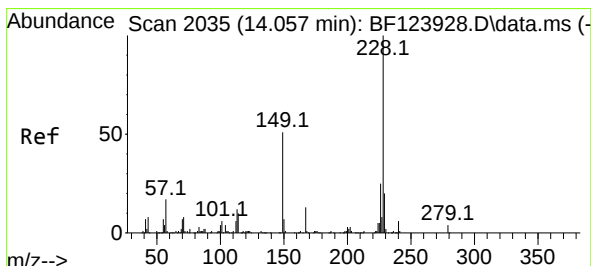
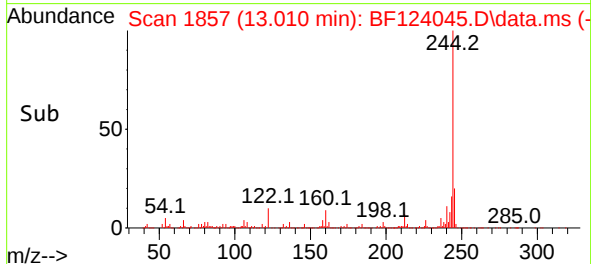
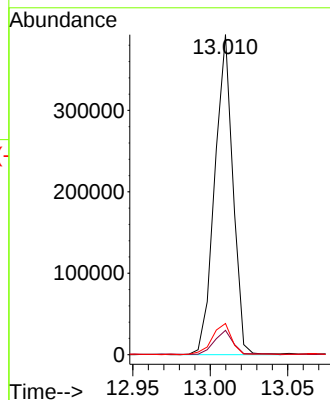
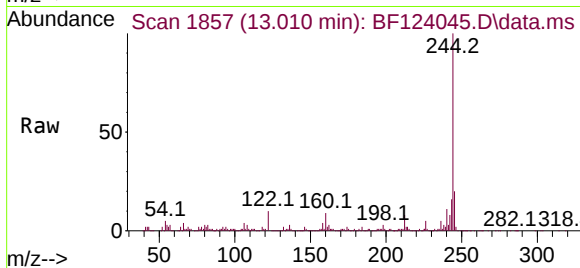
#79
Terphenyl-d14
Concen: 54.38 ng
RT: 13.010 min Scan# 1857
Delta R.T. -0.006 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

Tgt Ion:244 Resp: 320663
Ion Ratio Lower Upper
244 100
212 7.6 5.7 8.5
122 9.8 9.7 14.5

Instrument :
BNA_F
ClientSampleId :
MIXED-SUBBASE-GROUND-4-10-D

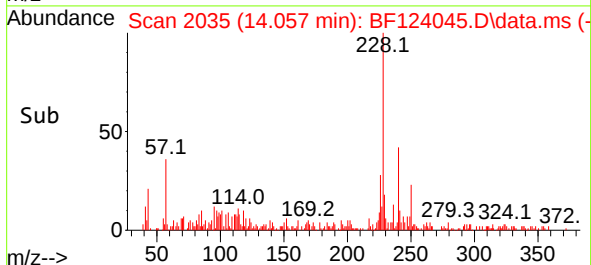
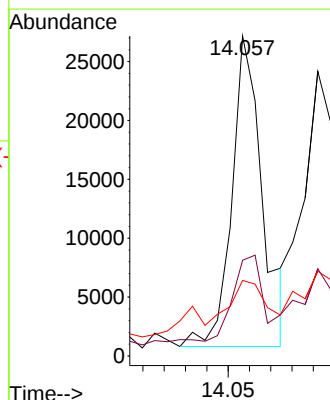
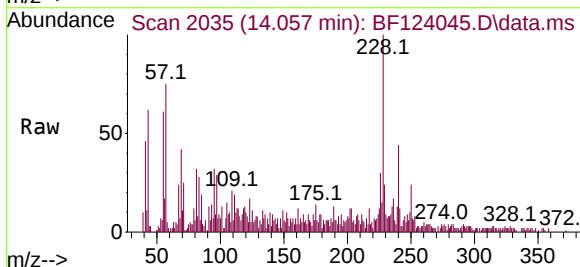
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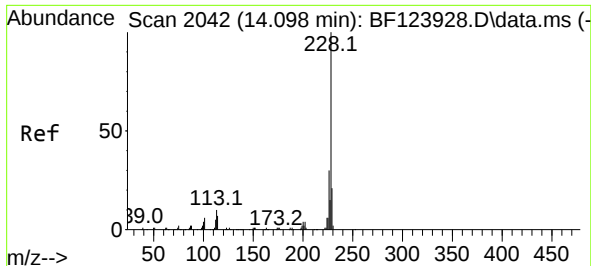
mohammad
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#81
Benzo(a)anthracene
Concen: 4.05 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.000 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

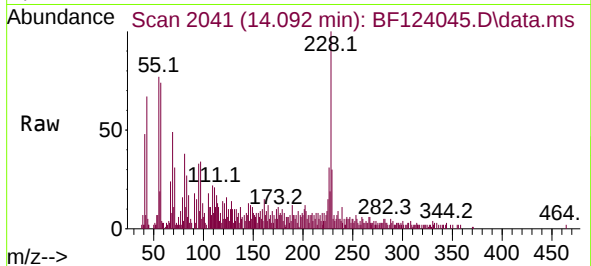
Tgt Ion:228 Resp: 26167
Ion Ratio Lower Upper
228 100
226 29.9 22.4 33.6
229 23.6 16.0 24.0





#83
Chrysene
Concen: 4.05 ng m
RT: 14.092 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

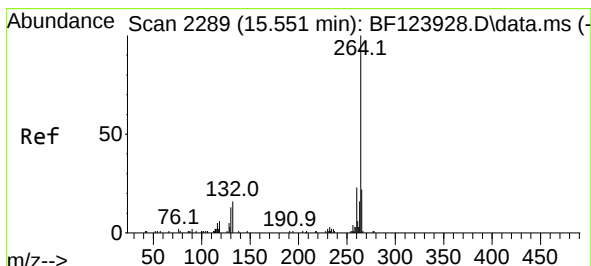
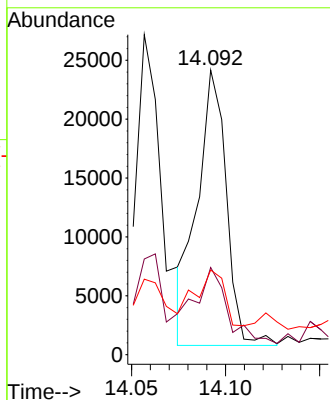
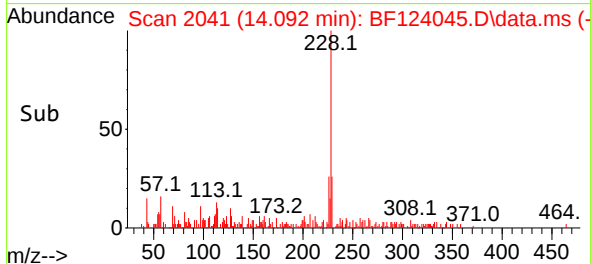
Instrument :
BNA_F
ClientSampleId :
MIXED-SUBBASE-GROUND-4-10-D



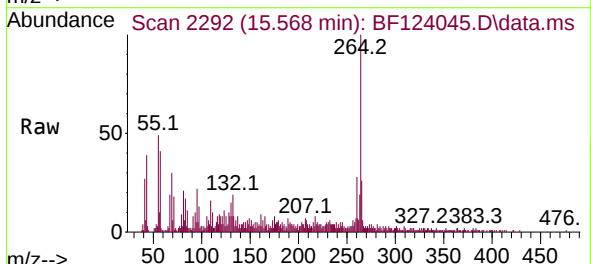
Tgt Ion:228 Resp: 25165
Ion Ratio Lower Upper
228 100
226 30.7 24.3 36.5
229 29.7 16.2 24.2#

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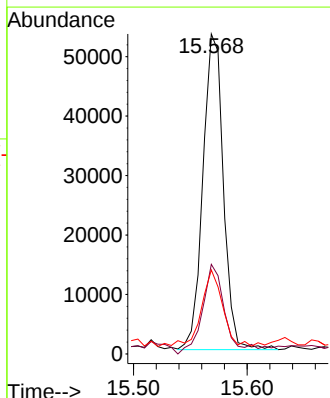
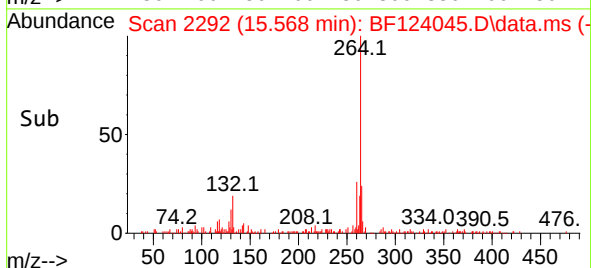
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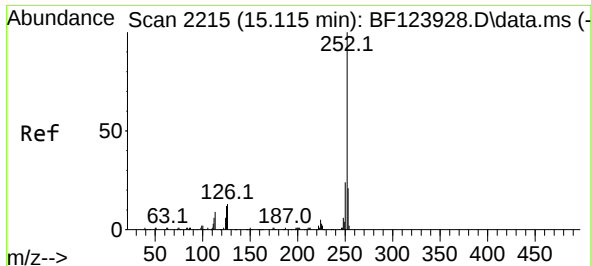


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.568 min Scan# 2292
Delta R.T. 0.018 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17



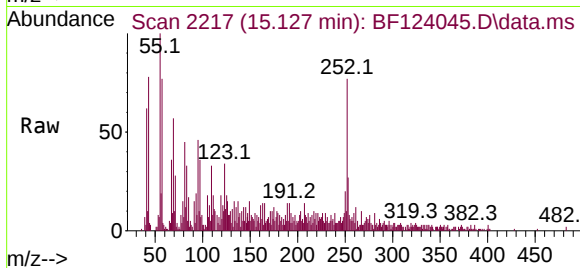
Tgt Ion:264 Resp: 66565
Ion Ratio Lower Upper
264 100
260 28.0 18.7 28.1
265 26.2 17.8 26.8





#88
Benzo(b)fluoranthene
Concen: 5.52 ng m
RT: 15.127 min Scan# 2217
Delta R.T. 0.012 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

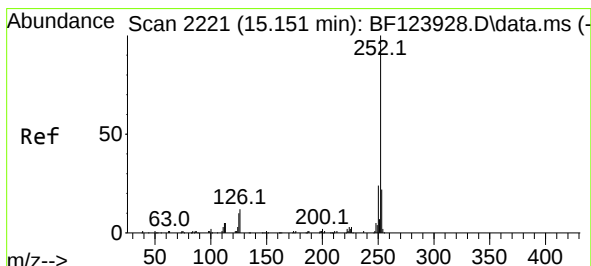
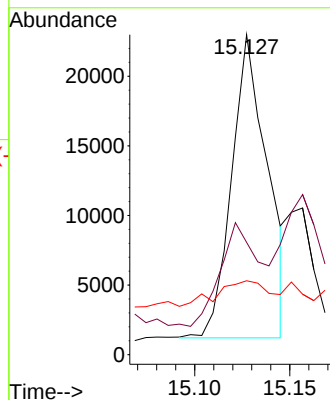
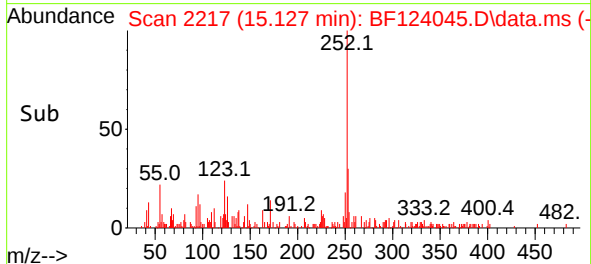
Instrument :
BNA_F
ClientSampleId :
MIXED-SUBBASE-GROUND-4-10-D



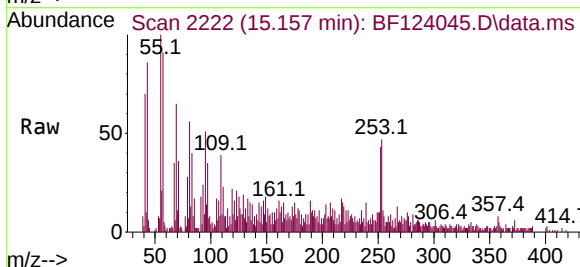
Tgt Ion:252 Resp: 28416
Ion Ratio Lower Upper
252 100
253 35.1 18.1 27.1#
125 23.1 6.2 9.4#

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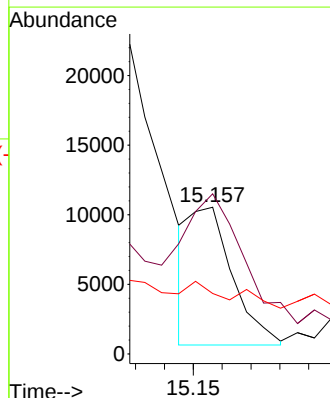
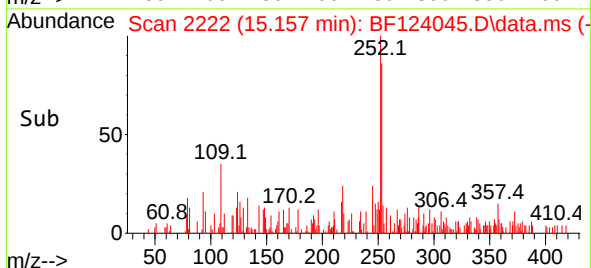
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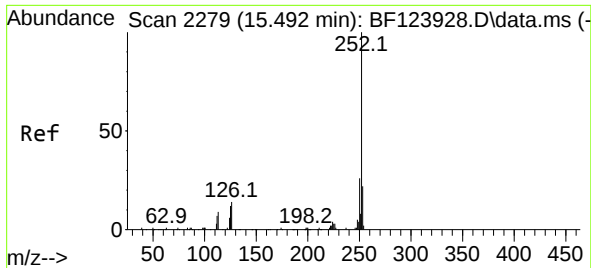


#89
Benzo(k)fluoranthene
Concen: 2.17 ng m
RT: 15.157 min Scan# 2222
Delta R.T. 0.006 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17



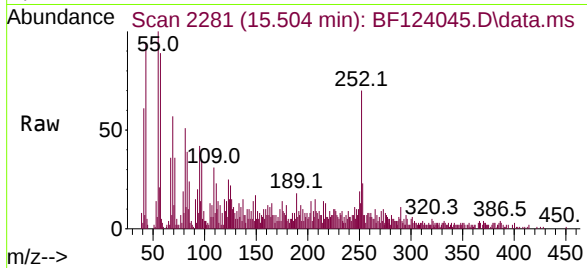
Tgt Ion:252 Resp: 10195
Ion Ratio Lower Upper
252 100
253 109.2 17.9 26.9#
125 41.3 7.0 10.6#





#90
Benzo(a)pyrene
Concen: 4.61 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17

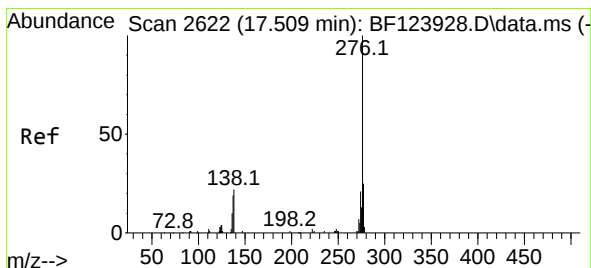
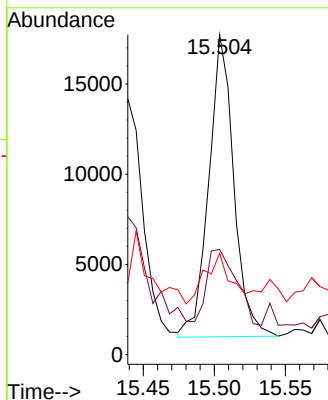
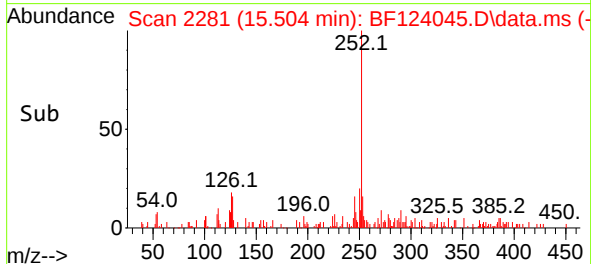
Instrument :
BNA_F
ClientSampleId :
MIXED-SUBBASE-GROUND-4-10-D



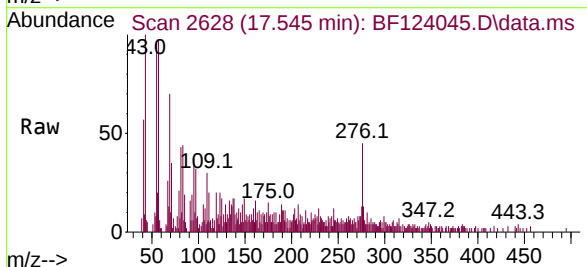
Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.9	18.4	27.6#
125	31.7	8.0	12.0#

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#92
Benzo(g,h,i)perylene
Concen: 3.83 ng
RT: 17.545 min Scan# 2628
Delta R.T. 0.035 min
Lab File: BF124045.D
Acq: 24 May 2021 19:17



Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.8	18.2	27.2#
138	38.3	13.8	20.6#

