

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021420\
 Data File : BF118940.D
 Acq On : 14 Feb 2020 19:15
 Operator : CG/JU
 Sample : L1528-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-048-B

Manual Integrations
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Quant Time: Feb 15 04:40:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 14 00:49:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	256991	20.00	ng	-0.04
21) Naphthalene-d8	8.06	136	954825	20.00	ng	-0.05
39) Acenaphthene-d10	9.81	164	491345	20.00	ng	-0.05
64) Phenanthrene-d10	11.29	188	770431	20.00	ng	-0.05
76) Chrysene-d12	13.93	240	387987	20.00	ng	-0.05
87) Perylene-d12	15.36	264	449056	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1512529	111.41	ng	-0.03
7) Phenol-d6	6.42	99	1855194	110.08	ng	-0.04
23) Nitrobenzene-d5	7.34	82	1202184	75.05	ng	-0.04
42) 2,4,6-Tribromophenol	10.60	330	513023	87.26	ng	-0.05
45) 2-Fluorobiphenyl	9.13	172	2105715	76.61	ng	-0.05
79) Terphenyl-d14	12.87	244	1309996	69.35	ng	-0.05
Target Compounds						
50) Dimethylphthalate	9.52	163	120000	3.59	ng	99
71) Phenanthrene	11.32	178	160065	4.22	ng	96
75) Fluoranthene	12.50	202	227494	5.50	ng	99
78) Pyrene	12.73	202	201292	7.56	ng	97
81) Benzo(a)anthracene	13.92	228	141038	6.11	ng	99
83) Chrysene	13.95	228	113441	4.90	ng	97
86) Indeno(1,2,3-cd)pyrene	16.77	276	88941	3.82	ng	97
88) Benzo(b)fluoranthene	14.95	252	216332m	7.76	ng	
89) Benzo(k)fluoranthene	14.97	252	52232m	2.15	ng	
90) Benzo(a)pyrene	15.30	252	137025	5.75	ng	97
92) Benzo(g,h,i)perylene	17.20	276	85492	4.20	ng	96

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

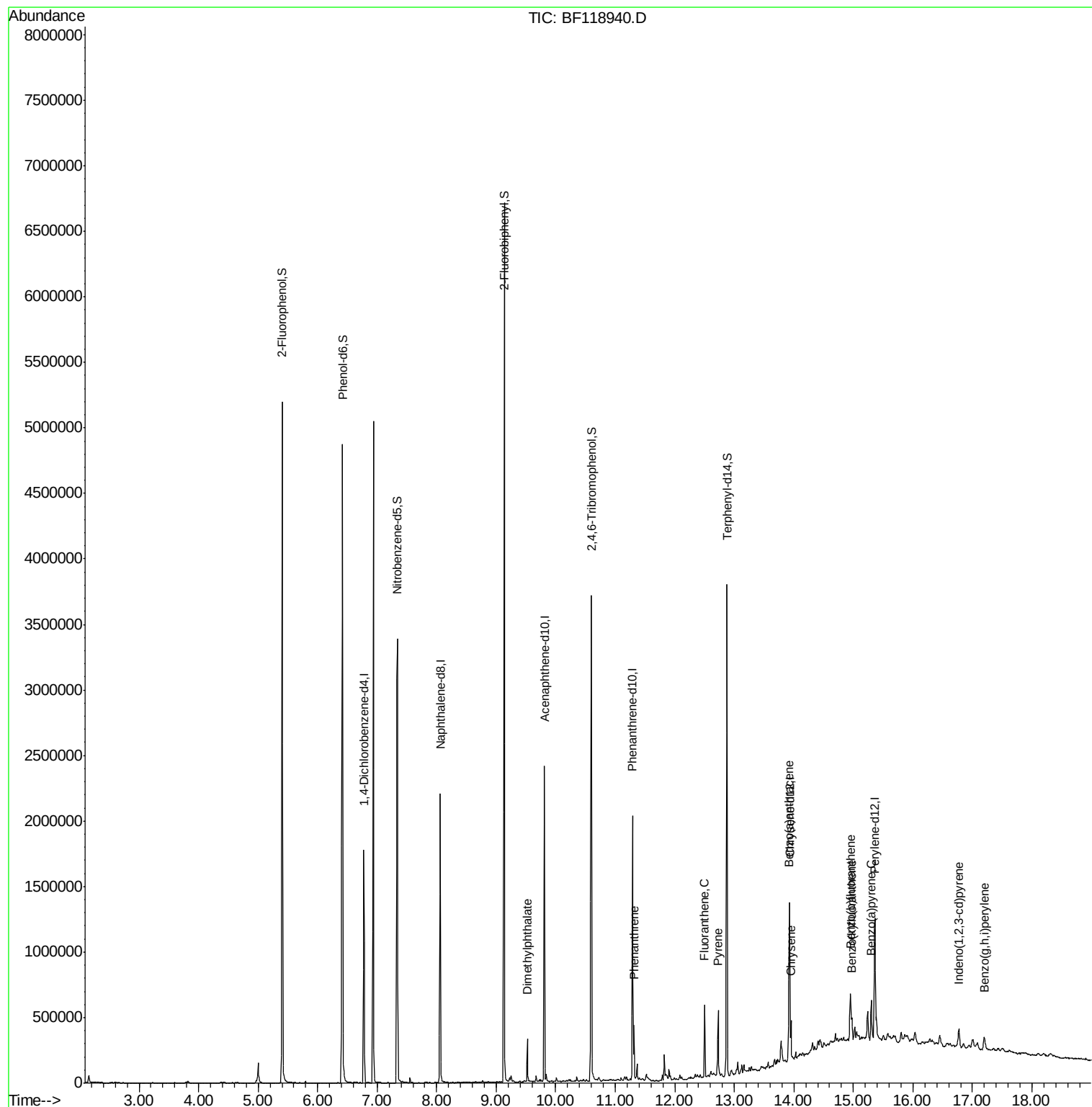
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Data File : BF118940.D
Acq On : 14 Feb 2020 19:15
Operator : CG/JU
Sample : L1528-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

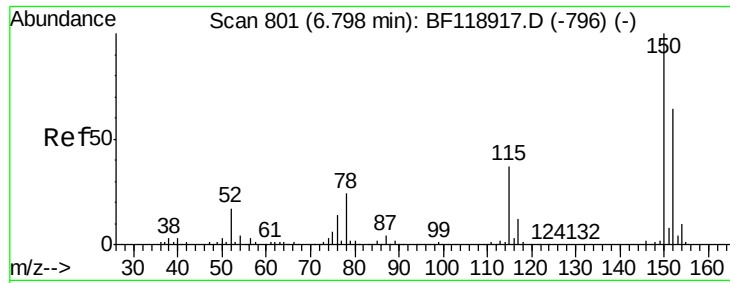
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-048-B

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Quant Time: Feb 15 04:40:13 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 14 00:49:42 2020
Response via : Initial Calibration





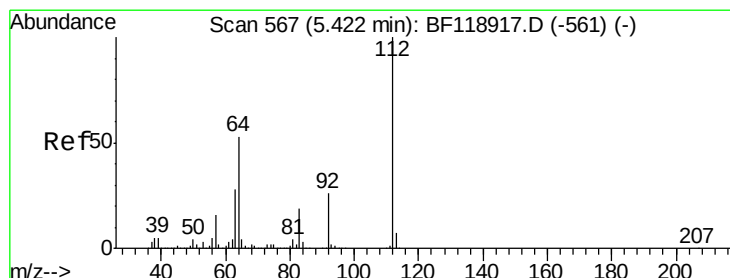
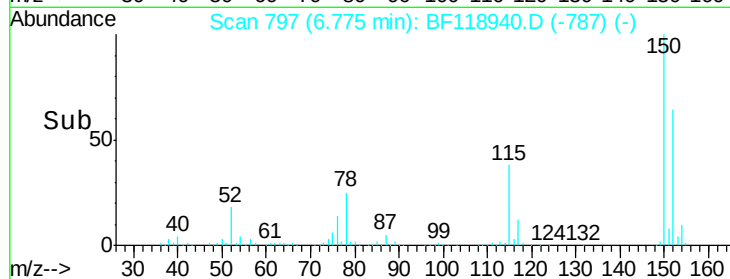
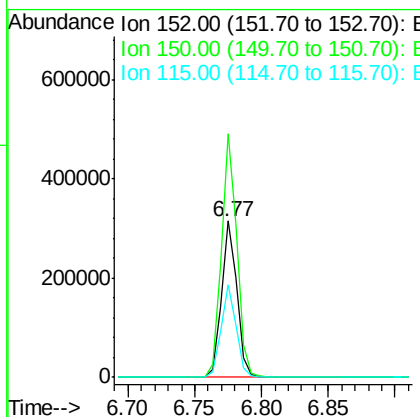
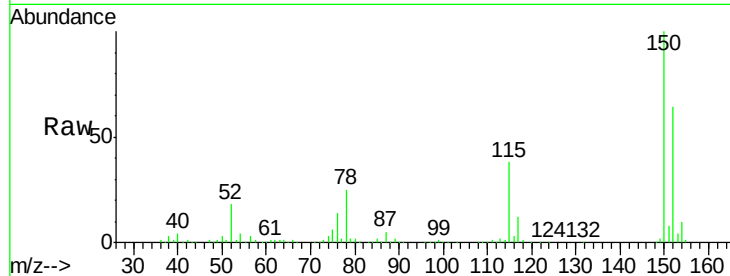
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.77 min Scan# 797
 Delta R.T. -0.04 min
 Lab File: BF118940.D
 Acq: 14 Feb 2020 19:15

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-048-B

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	256991		
150	155.5	123.6	185.4	
115	59.0	48.2	72.2	

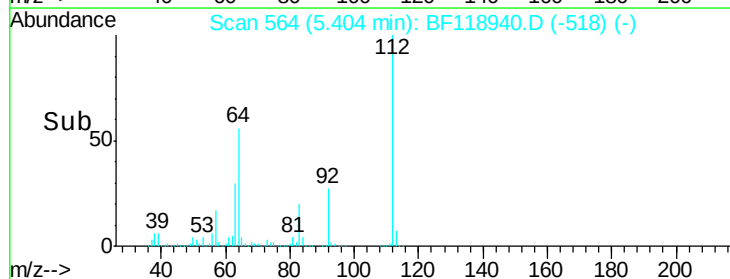
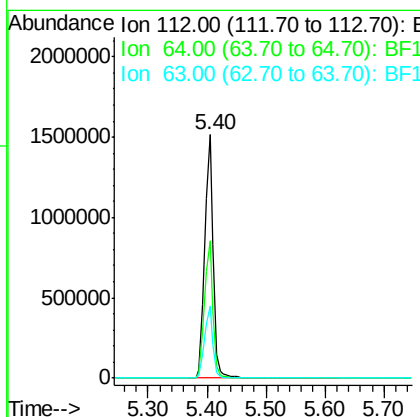
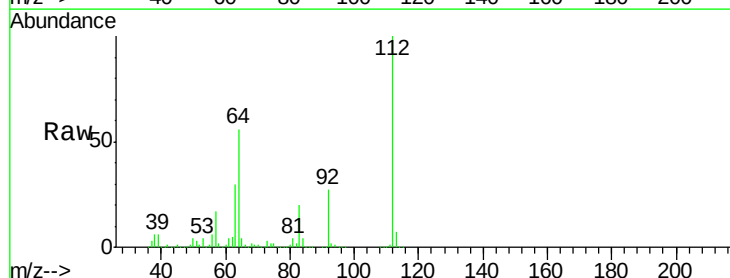
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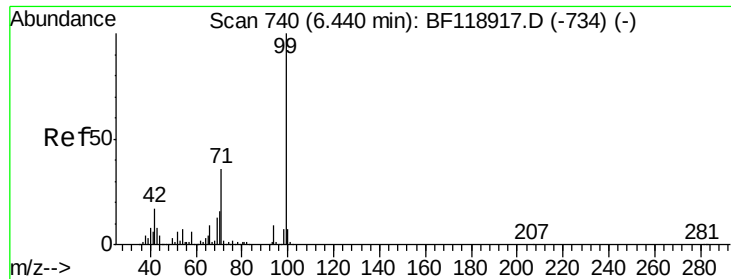
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#5
 2-Fluorophenol
 Concen: 111.41 ng
 RT: 5.40 min Scan# 564
 Delta R.T. -0.03 min
 Lab File: BF118940.D
 Acq: 14 Feb 2020 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1512529		
64	56.5	42.6	63.8	
63	29.8	22.2	33.4	





#7

Phenol-d6

Concen: 110.08 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.04 min

Lab File: BF118940.D

Acq: 14 Feb 2020 19:15

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-048-B

Tgt Ion: 99 Resp: 1855194

Ion Ratio Lower Upper

99 100

42 17.5 13.4 20.0

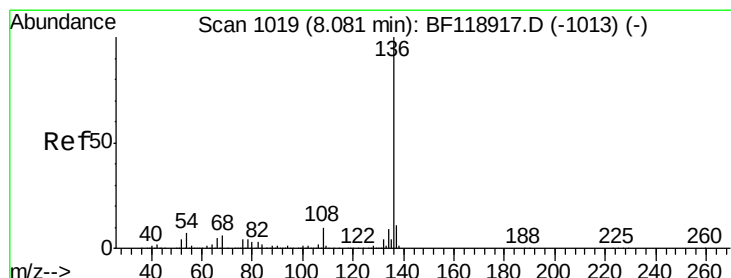
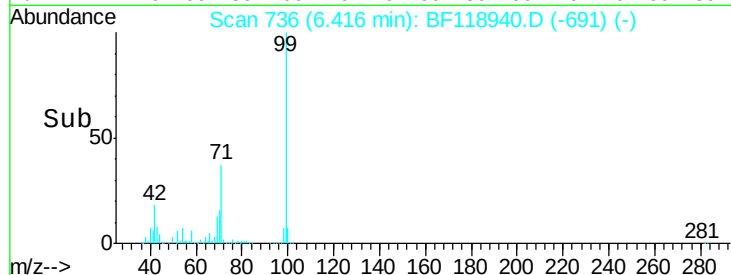
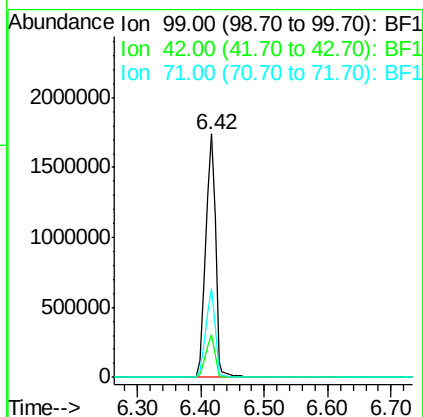
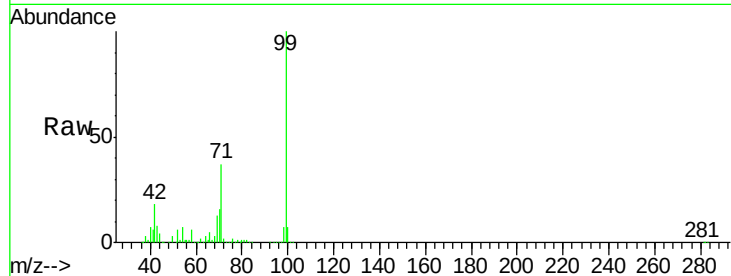
71 36.6 29.0 43.6

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.05 min

Lab File: BF118940.D

Acq: 14 Feb 2020 19:15

Tgt Ion: 136 Resp: 954825

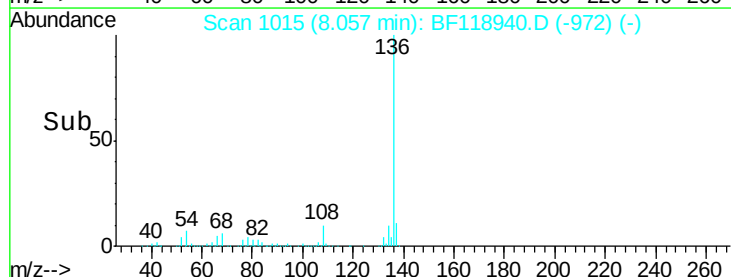
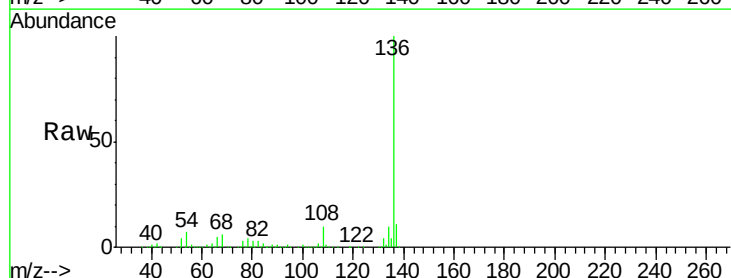
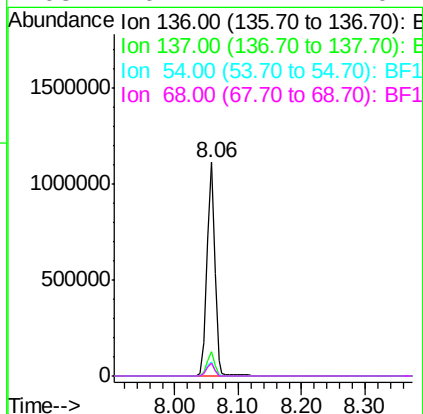
Ion Ratio Lower Upper

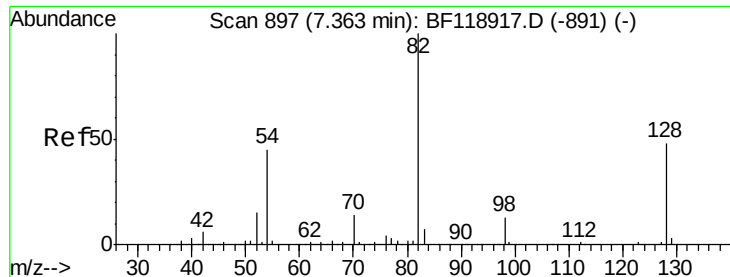
136 100

137 11.3 8.7 13.1

54 6.7 5.0 7.6

68 6.1 4.2 6.4





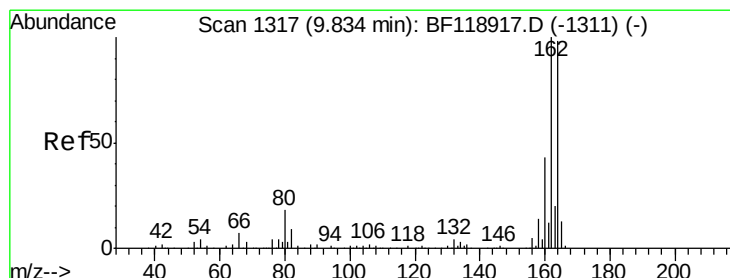
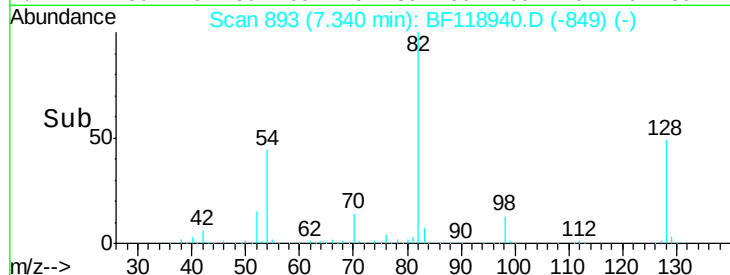
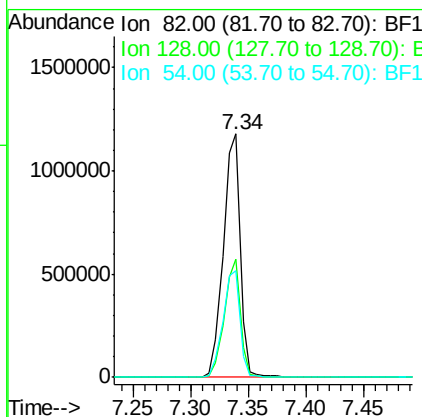
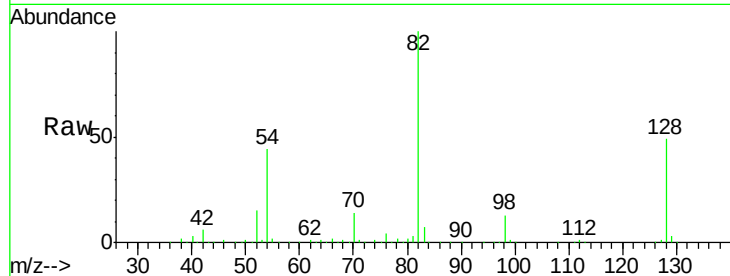
#23
 Nitrobenzene-d5
 Concen: 75.05 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.04 min
 Lab File: BF118940.D
 Acq: 14 Feb 2020 19:15

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-048-B

Tgt Ion: 82 Resp: 1202184
 Ion Ratio Lower Upper
 82 100
 128 48.7 38.5 57.7
 54 43.6 36.7 55.1

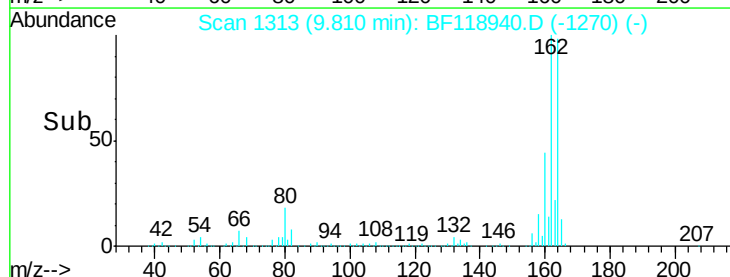
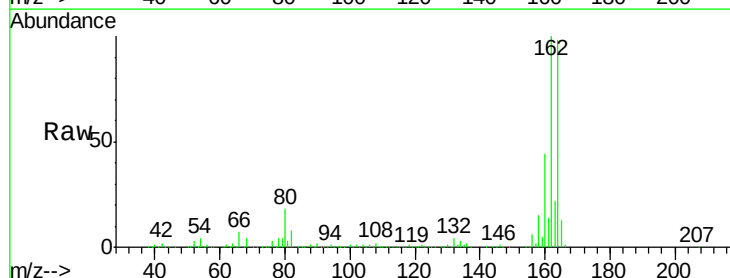
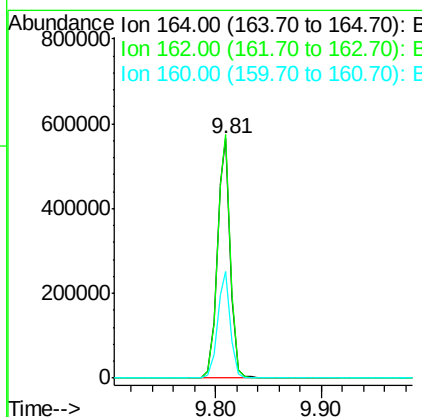
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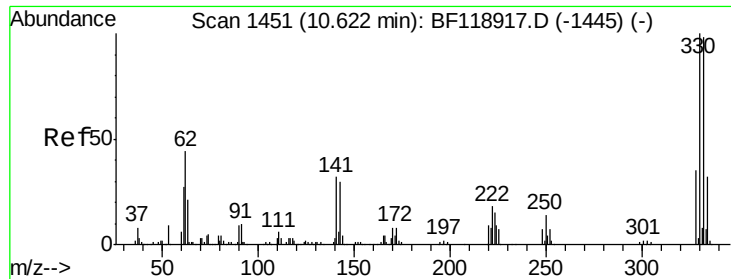
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#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.05 min
 Lab File: BF118940.D
 Acq: 14 Feb 2020 19:15

Tgt Ion: 164 Resp: 491345
 Ion Ratio Lower Upper
 164 100
 162 101.6 81.4 122.2
 160 44.7 35.6 53.4





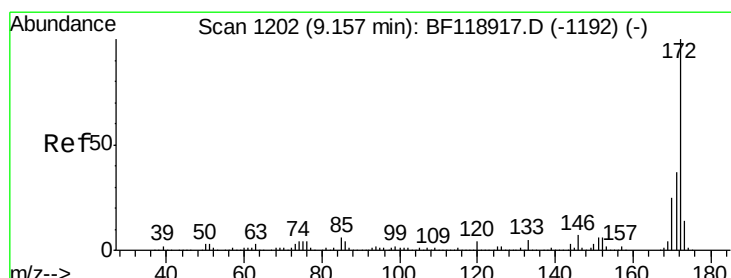
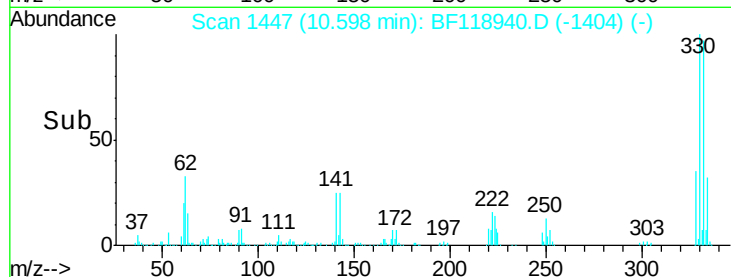
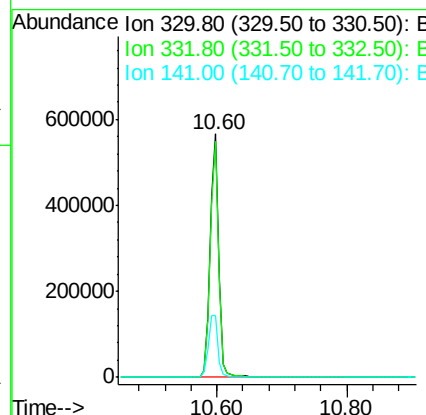
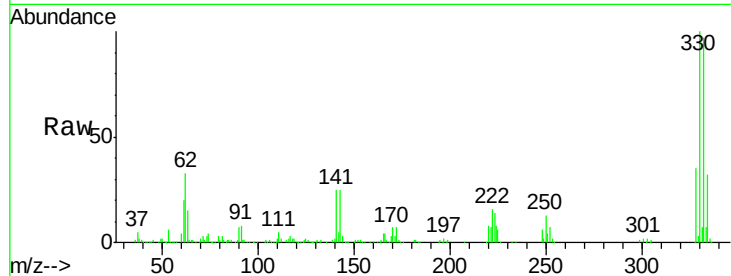
#42
 2,4,6-Tribromophenol
 Concen: 87.26 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.05 min
 Lab File: BF118940.D
 Acq: 14 Feb 2020 19:15

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-048-B

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.3	115.9
141	28.6	22.4	33.6

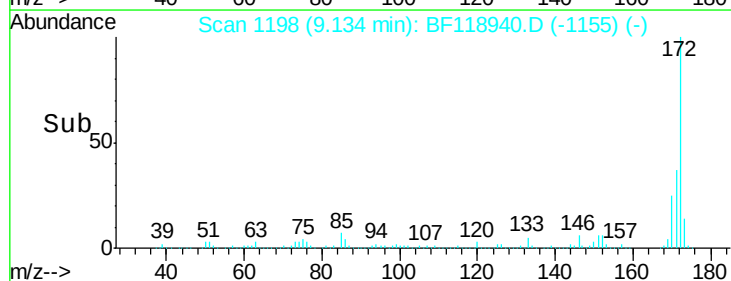
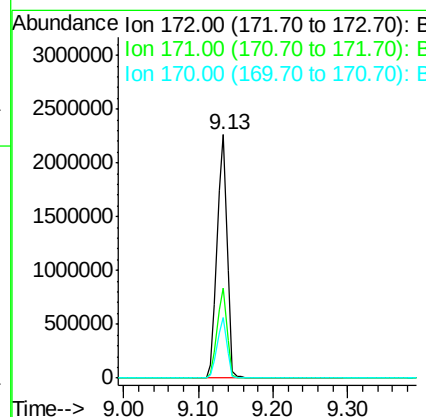
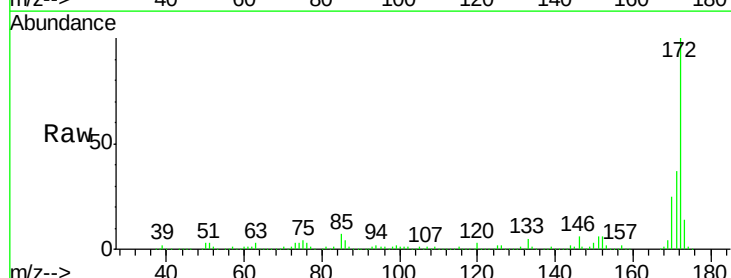
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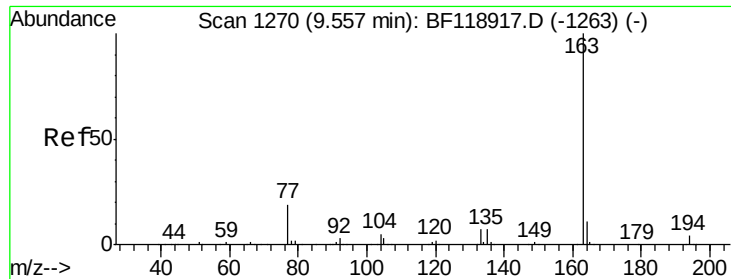
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#45
 2-Fluorobiphenyl
 Concen: 76.61 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.05 min
 Lab File: BF118940.D
 Acq: 14 Feb 2020 19:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.8	46.2
170	25.0	20.5	30.7





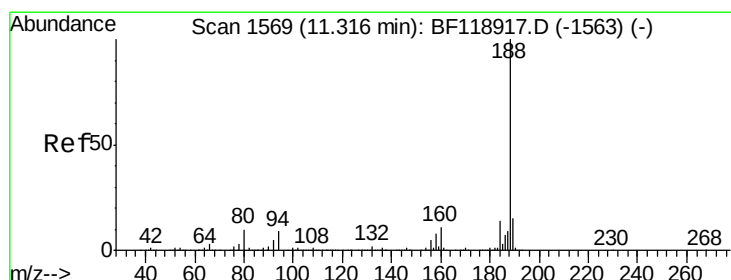
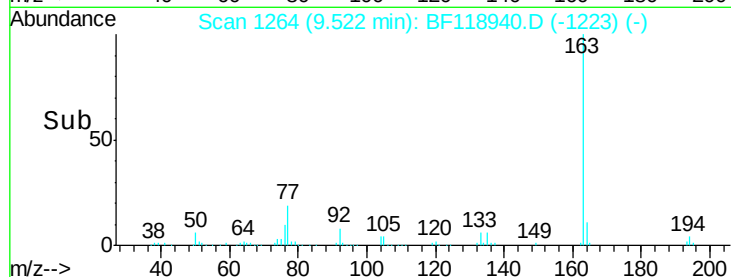
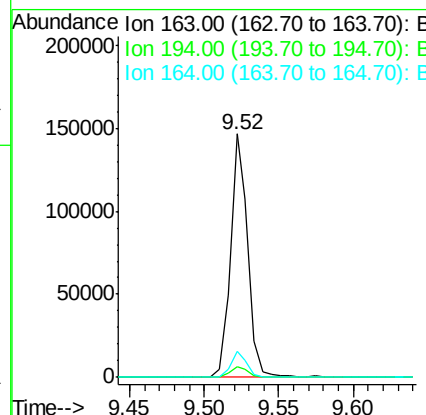
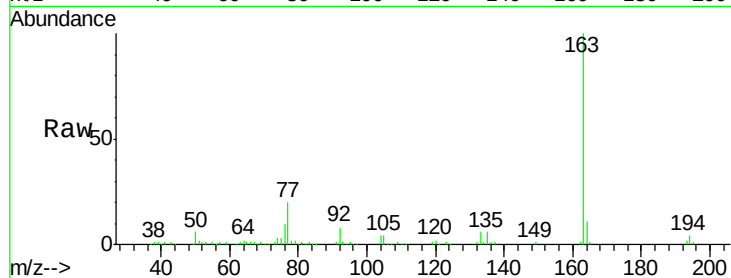
#50
Dimethylphthalate
Concen: 3.59 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.06 min
Lab File: BF118940.D
Acq: 14 Feb 2020 19:15

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-048-B

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	120000		
194	4.3	3.6	5.4	
164	10.5	8.7	13.1	

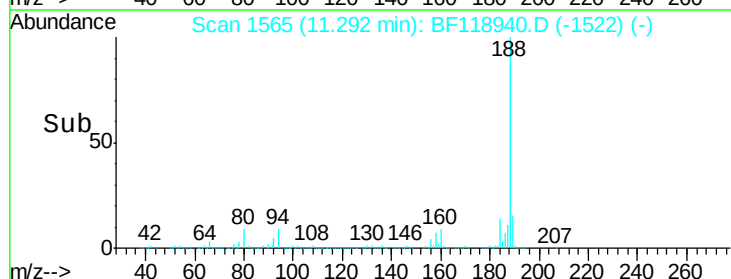
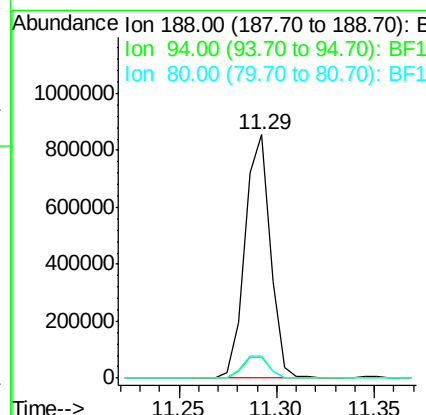
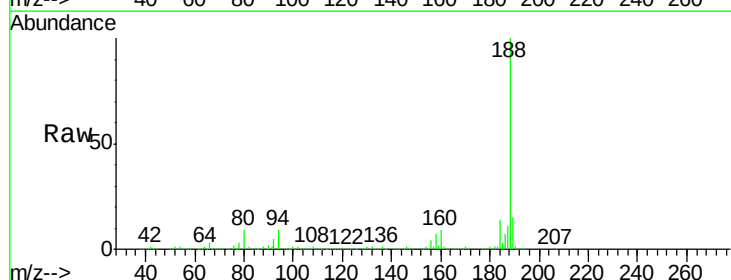
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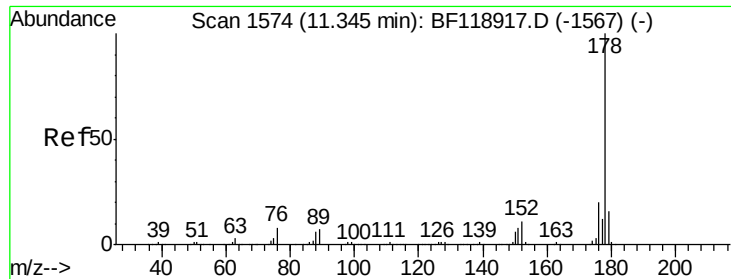
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.05 min
Lab File: BF118940.D
Acq: 14 Feb 2020 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	770431		
94	8.6	7.9	11.9	
80	9.3	8.4	12.6	





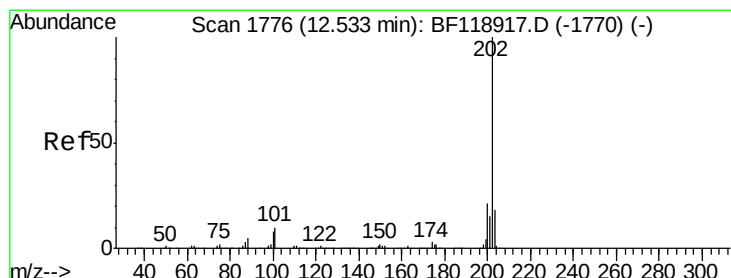
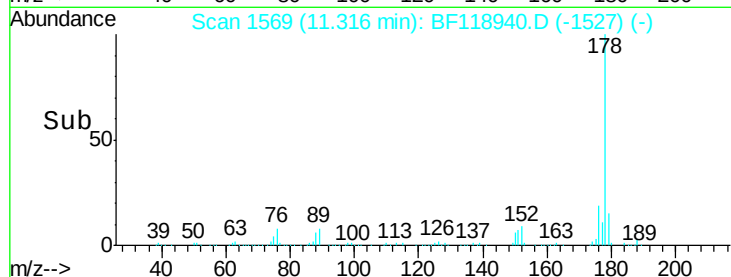
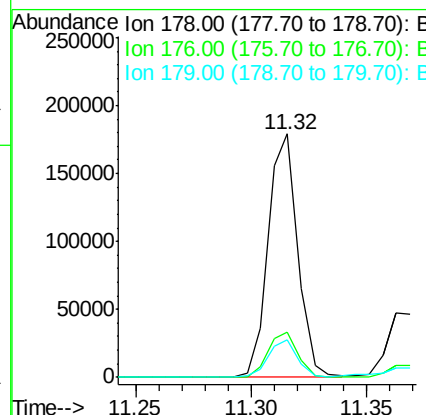
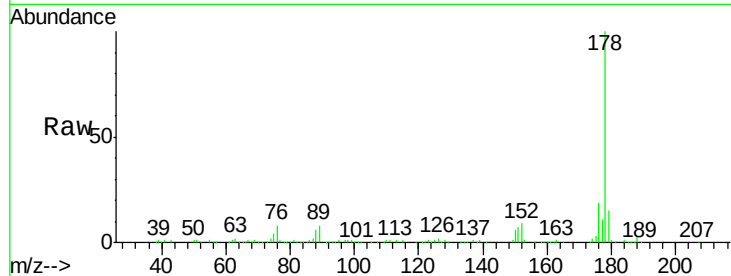
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Phenanthrene
Concen: 4.22 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.05 min
Lab File: BF118940.D
Acq: 14 Feb 2020 19:15

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-048-B

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.6	24.8
179	15.4	13.2	19.8

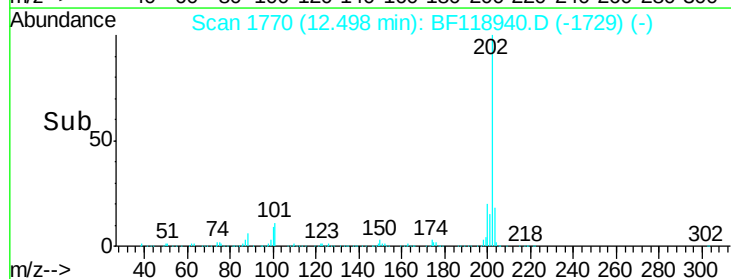
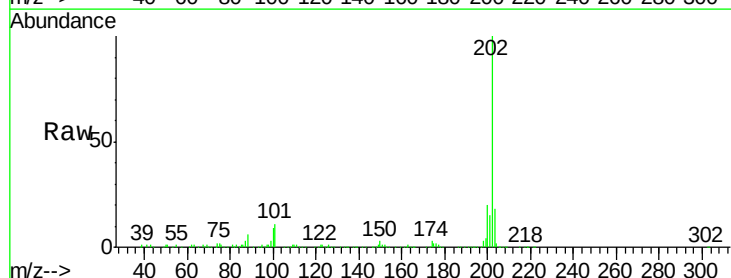
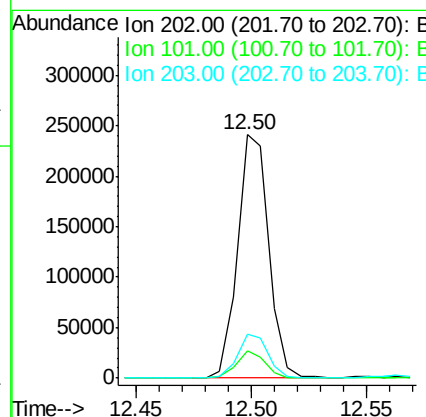
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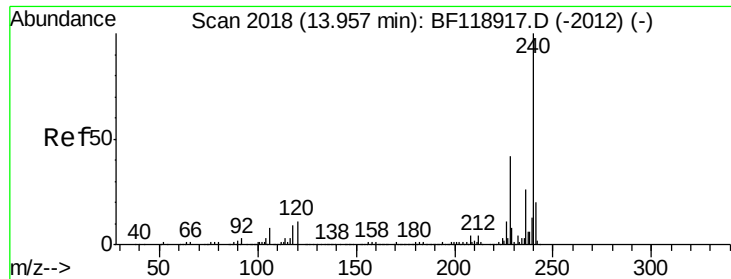
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#75
Fluoranthene
Concen: 5.50 ng
RT: 12.50 min Scan# 1770
Delta R.T. -0.06 min
Lab File: BF118940.D
Acq: 14 Feb 2020 19:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.0
203	18.0	0.0	38.7





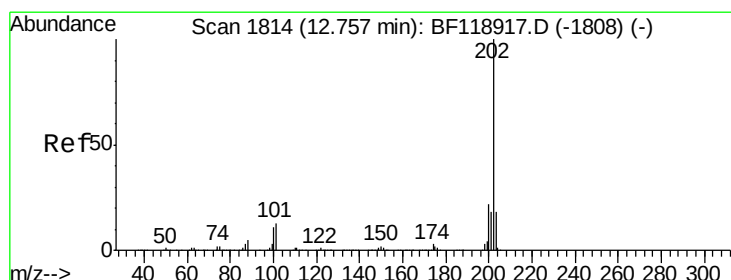
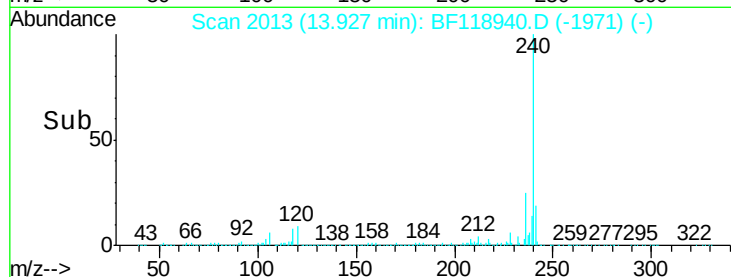
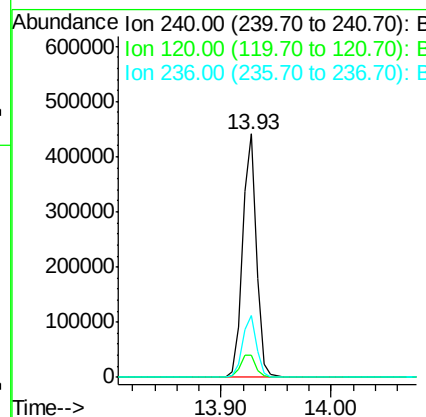
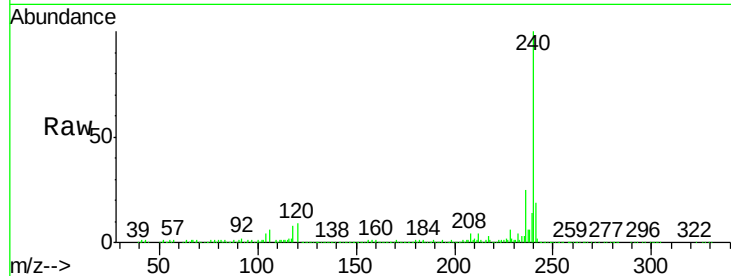
#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.05 min
Lab File: BF118940.D
Acq: 14 Feb 2020 19:15

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-048-B

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	387987		
120	9.1	9.4	14.0#	
236	25.2	21.0	31.6	

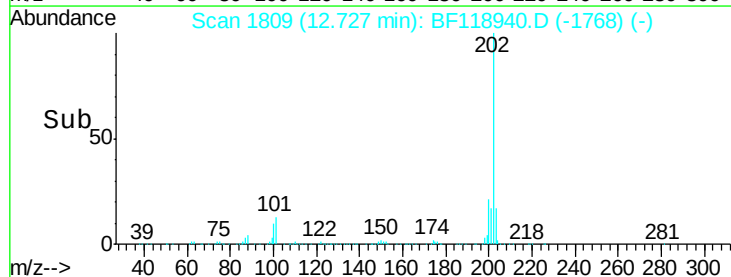
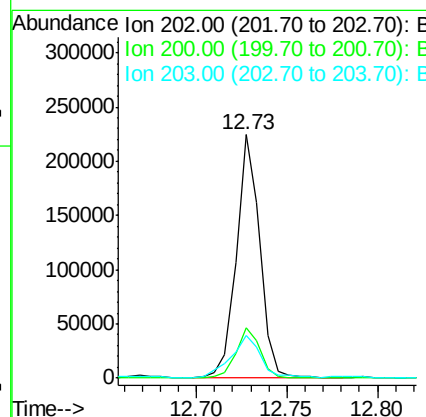
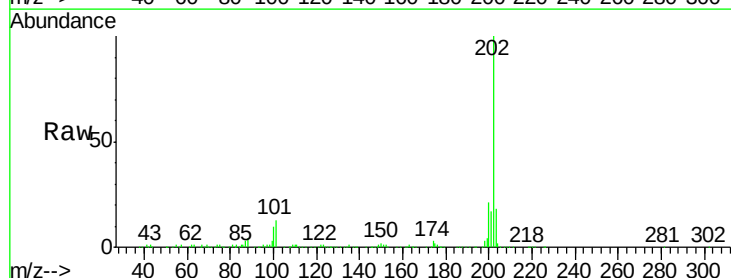
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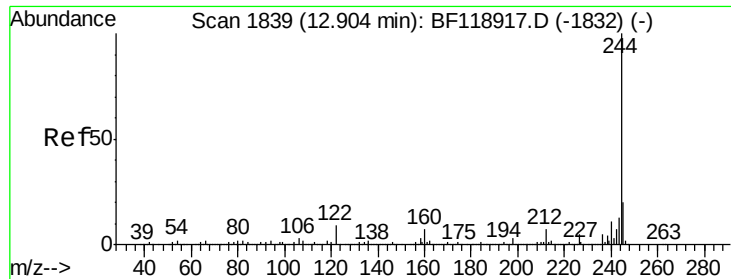
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#78
Pyrene
Concen: 7.56 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.06 min
Lab File: BF118940.D
Acq: 14 Feb 2020 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	201292		
200	20.7	18.2	27.2	
203	17.6	14.8	22.2	





#79

Terphenyl-d14

Concen: 69.35 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.05 min

Lab File: BF118940.D

Acq: 14 Feb 2020 19:15

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-048-B

Tgt Ion:244 Resp: 1309996

Ion Ratio Lower Upper

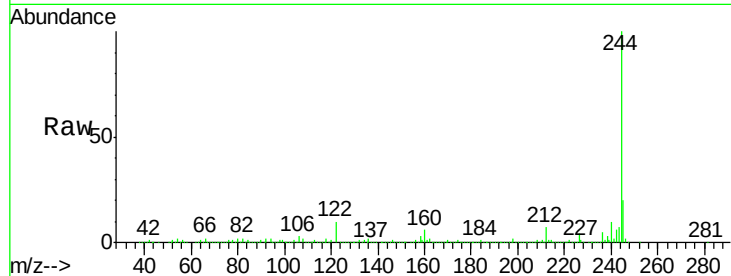
244 100

212 6.7 6.5 9.7

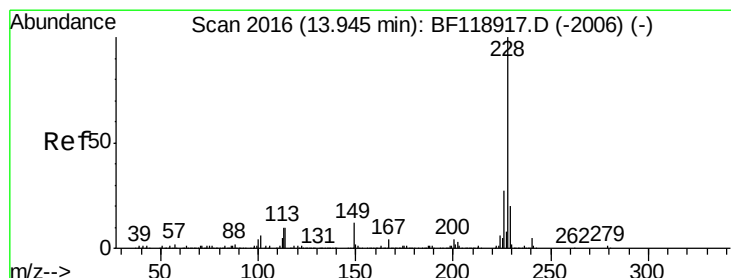
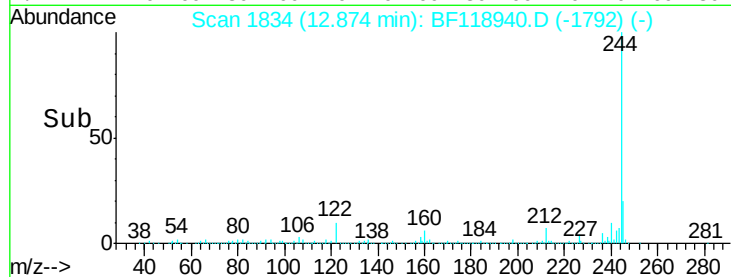
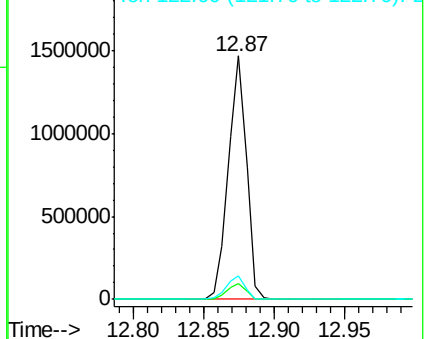
122 9.8 8.9 13.3

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Abundance Ion 244.00 (243.70 to 244.70): E
2000000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 6.11 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.05 min

Lab File: BF118940.D

Acq: 14 Feb 2020 19:15

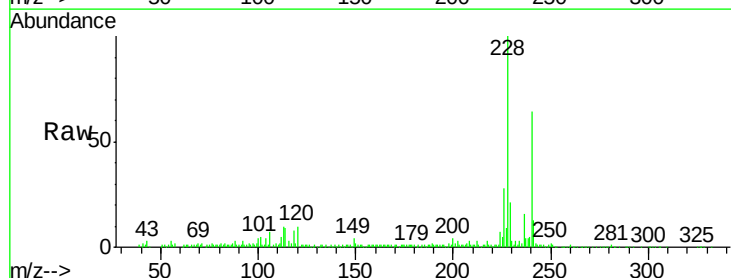
Tgt Ion:228 Resp: 141038

Ion Ratio Lower Upper

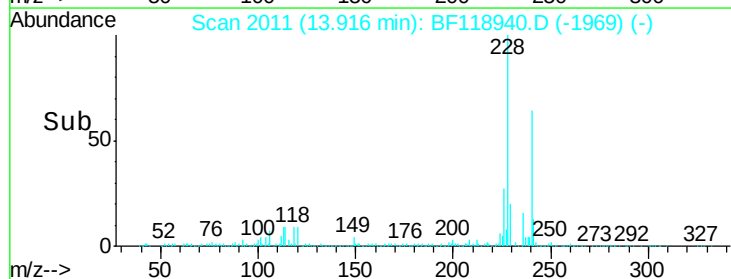
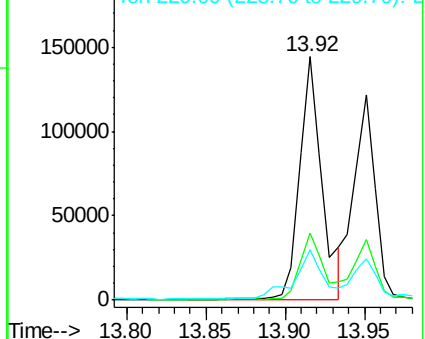
228 100

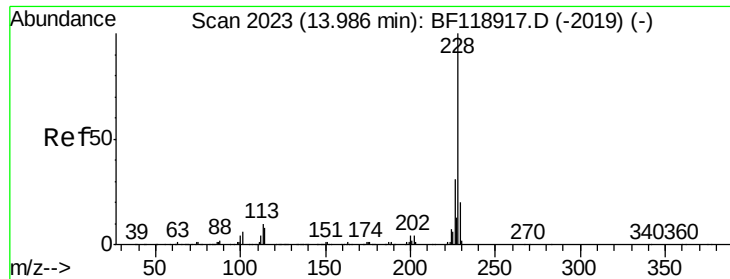
226 27.8 22.7 34.1

229 20.6 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E
200000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.90 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.06 min

Lab File: BF118940.D

Acq: 14 Feb 2020 19:15

Instrument :

BNA_F

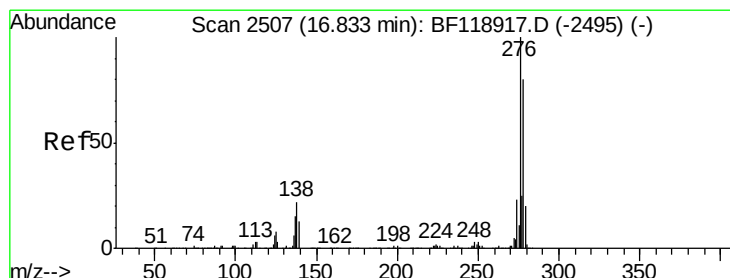
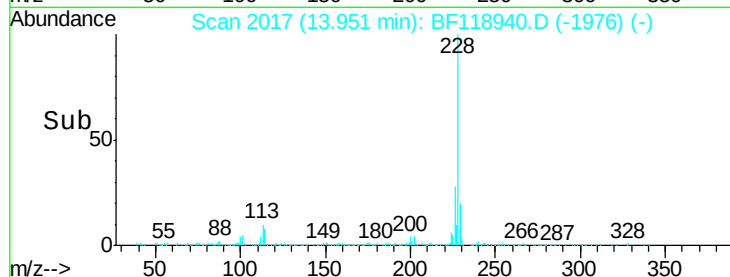
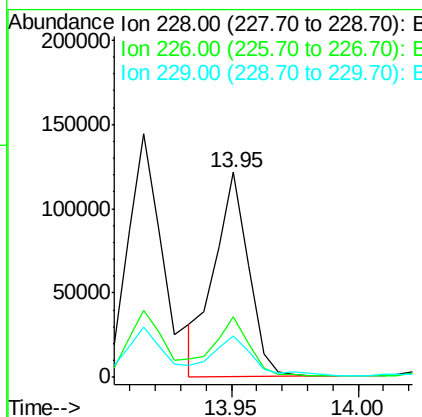
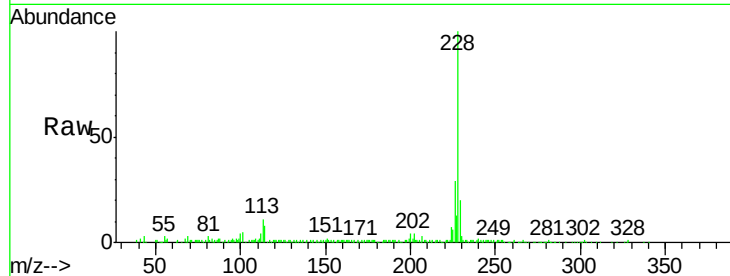
ClientSampleId :

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Tgt Ion:	228	Resp:	113441
Ion Ratio	Lower	Upper	
228	100		
226	29.4	25.4	38.0
229	20.3	16.9	25.3

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#86

Indeno(1,2,3-cd)pyrene

Concen: 3.82 ng

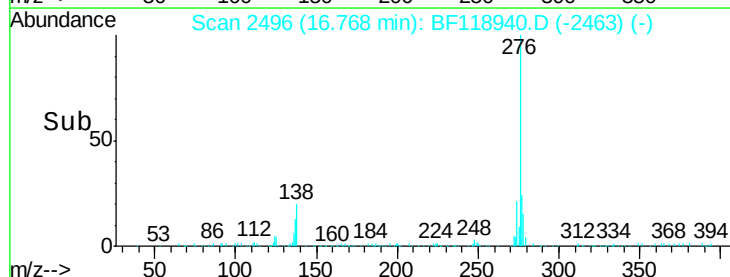
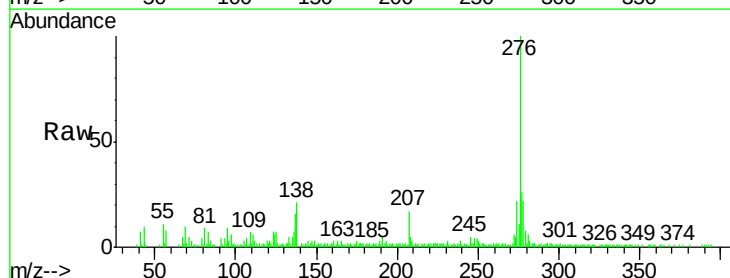
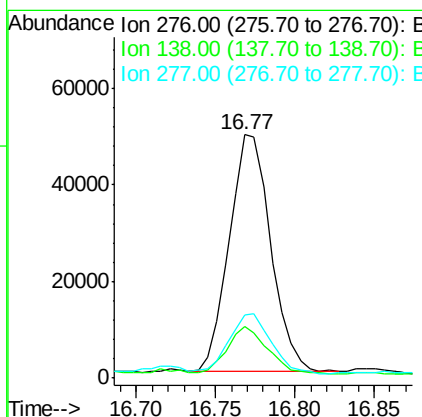
RT: 16.77 min Scan# 2496

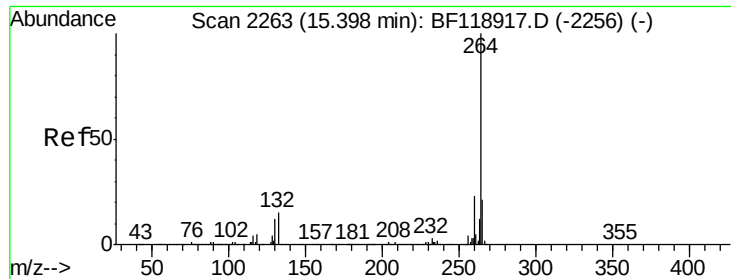
Delta R.T. -0.11 min

Lab File: BF118940.D

Acq: 14 Feb 2020 19:15

Tgt Ion:	276	Resp:	88941
Ion Ratio	Lower	Upper	
276	100		
138	20.3	18.3	27.5
277	26.0	20.2	30.4





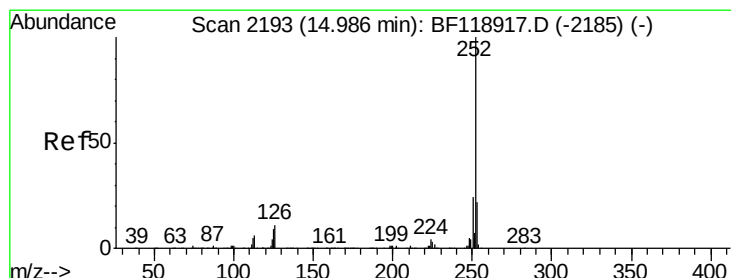
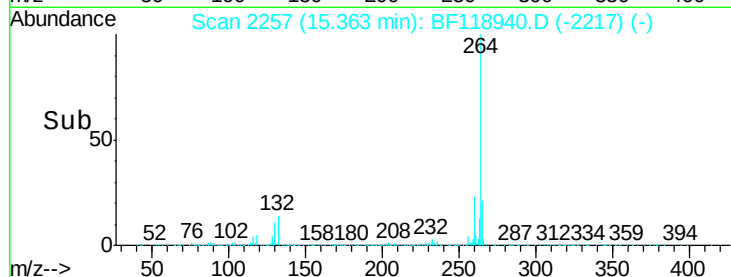
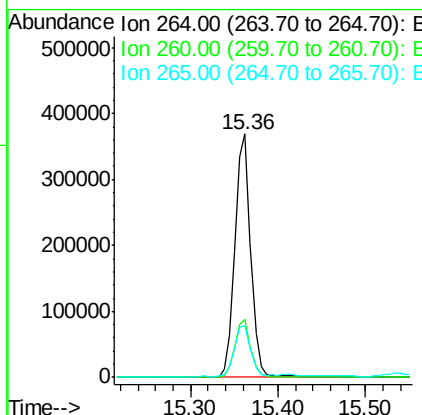
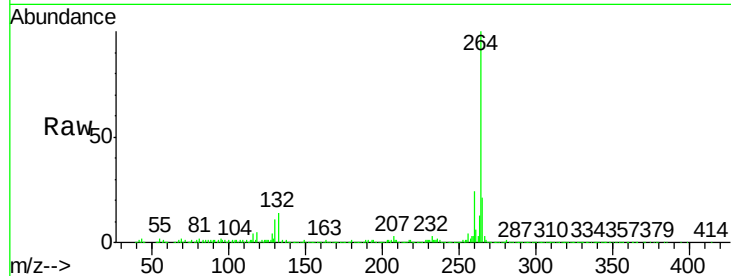
#87
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.06 min
Lab File: BF118940.D
Acq: 14 Feb 2020 19:15

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-048-B

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.6	19.1	28.7	
265	21.3	17.2	25.8	

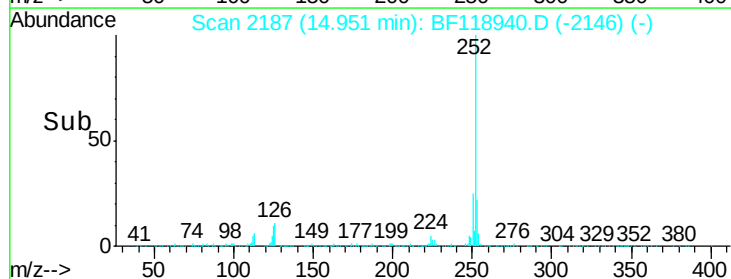
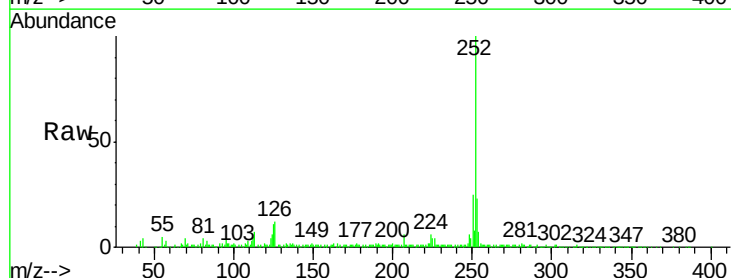
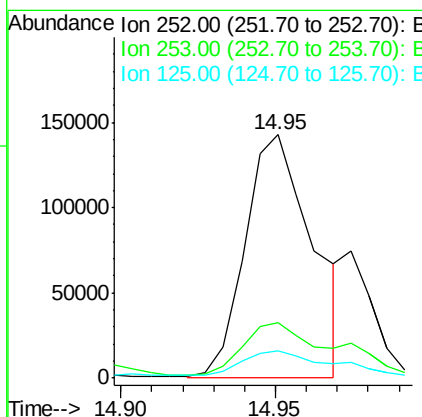
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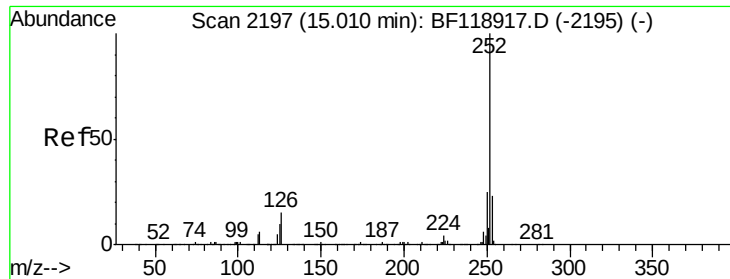
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#88
Benzo(b)fluoranthene
Concen: 7.76 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.06 min
Lab File: BF118940.D
Acq: 14 Feb 2020 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.8	18.4	27.6	
125	11.0	8.1	12.1	





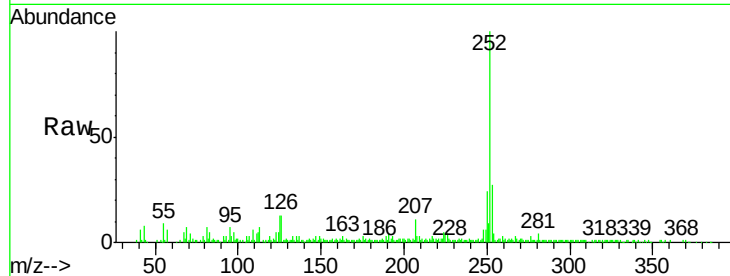
#89
Benzo(k)fluoranthene
Concen: 2.15 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.07 min
Lab File: BF118940.D
Acq: 14 Feb 2020 19:15

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-048-B

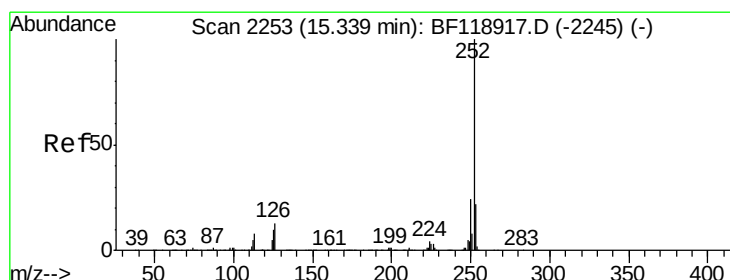
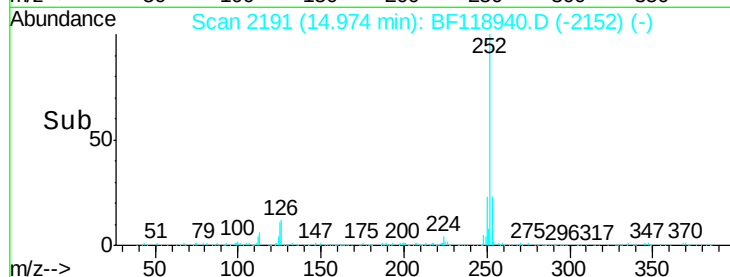
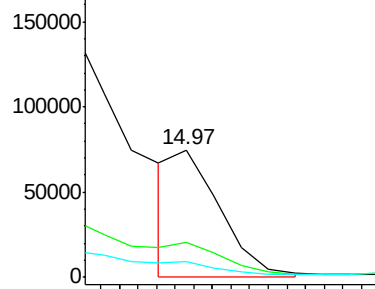
Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.2	27.4
125	12.9	7.0	10.6

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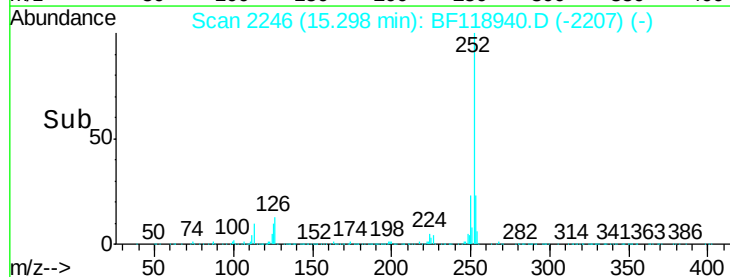
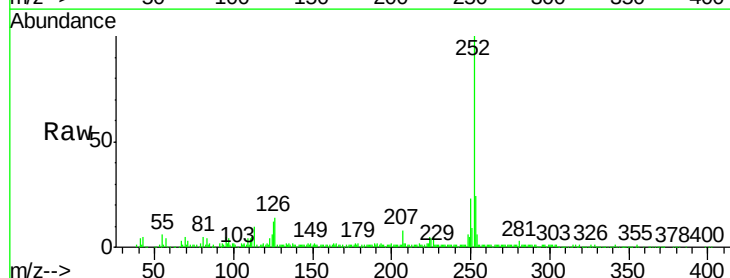
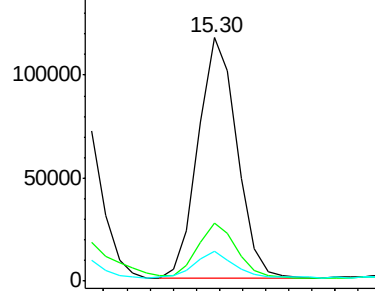
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

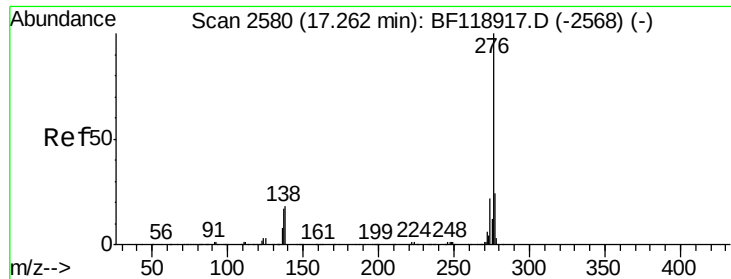


#90
Benzo(a)pyrene
Concen: 5.75 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.07 min
Lab File: BF118940.D
Acq: 14 Feb 2020 19:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	12.1	8.7	13.1

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(g,h,i)perylene
 Concen: 4.20 ng
 RT: 17.20 min Scan# 2569
 Delta R.T. -0.11 min
 Lab File: BF118940.D
 Acq: 14 Feb 2020 19:15

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-048-B

Tgt Ion:	276	Resp:	85492
Ion Ratio	Lower	Upper	
276	100		
277	24.5	18.7	28.1
138	22.0	15.4	23.2

Manual Integrations
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