

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021420\
 Data File : BF118942.D
 Acq On : 14 Feb 2020 20:11
 Operator : CG/JU
 Sample : L1529-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-049-B

Manual Integrations
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Quant Time: Feb 15 04:45:07 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	182643	20.00	ng	-0.04
21) Naphthalene-d8	8.06	136	666426	20.00	ng	-0.05
39) Acenaphthene-d10	9.81	164	321684	20.00	ng	-0.05
64) Phenanthrene-d10	11.29	188	482386	20.00	ng	-0.05
76) Chrysene-d12	13.93	240	401829	20.00	ng	-0.05
87) Perylene-d12	15.36	264	599303	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1217162	126.15	ng	-0.03
7) Phenol-d6	6.42	99	1051885	87.82	ng	-0.04
23) Nitrobenzene-d5	7.34	82	685259	61.29	ng	-0.04
42) 2,4,6-Tribromophenol	10.60	330	276031	71.71	ng	-0.05
45) 2-Fluorobiphenyl	9.13	172	1262560	70.16	ng	-0.05
79) Terphenyl-d14	12.87	244	1072626	54.83	ng	-0.05
Target Compounds						Qvalue
50) Dimethylphthalate	9.52	163	46265	2.11	ng	98
71) Phenanthrene	11.32	178	199570	8.41	ng	97
72) Anthracene	11.36	178	50294	2.13	ng	97
75) Fluoranthene	12.50	202	293088	11.31	ng	97
78) Pyrene	12.73	202	253982	9.21	ng	98
81) Benzo(a)anthracene	13.92	228	160966	6.73	ng	99
83) Chrysene	13.95	228	145459	6.06	ng	97
86) Indeno(1,2,3-cd)pyrene	16.77	276	140847	5.84	ng	97
88) Benzo(b)fluoranthene	14.95	252	242532m	6.52	ng	
89) Benzo(k)fluoranthene	14.97	252	67493m	2.08	ng	
90) Benzo(a)pyrene	15.30	252	214332	6.73	ng	99
92) Benzo(g,h,i)perylene	17.20	276	91568	3.37	ng	99

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

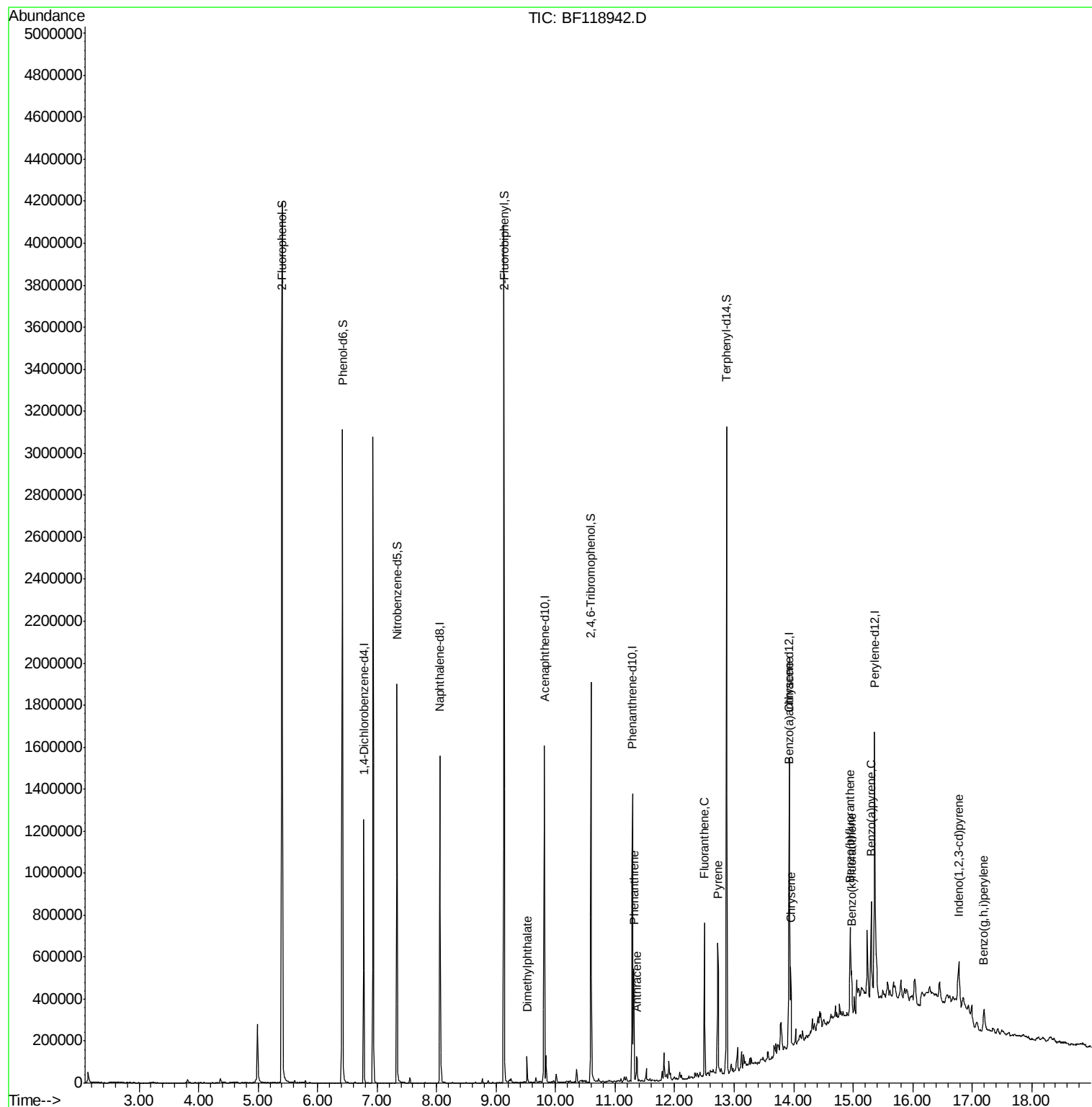
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021420\
Data File : BF118942.D
Acq On : 14 Feb 2020 20:11
Operator : CG/JU
Sample : L1529-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

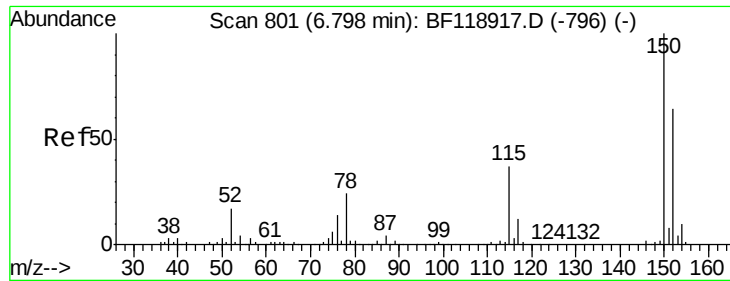
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-049-B

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Quant Time: Feb 15 04:45:07 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

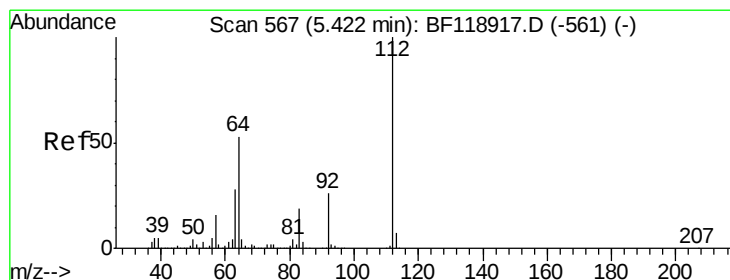
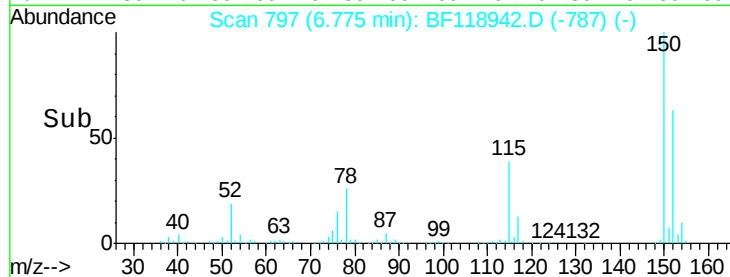
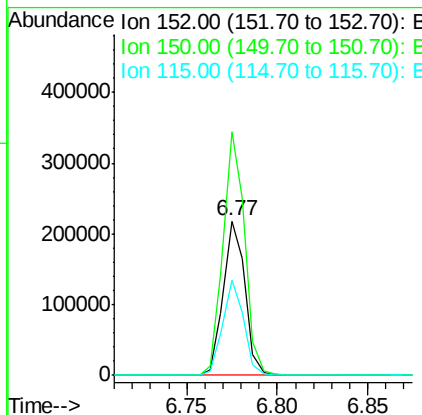
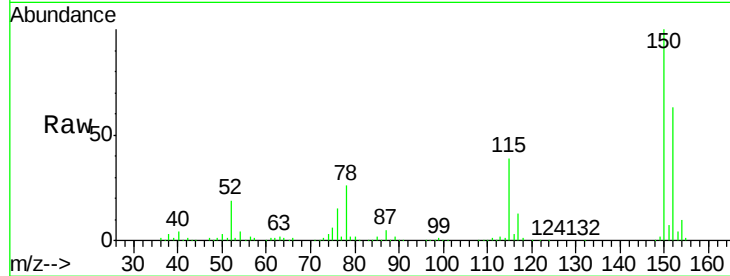
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.04 min
Lab File: BF118942.D
Acq: 14 Feb 2020 20:11

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-049-B

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.7	123.6	185.4
115	61.6	48.2	72.2

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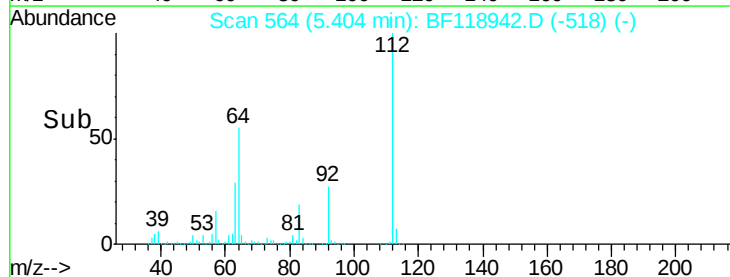
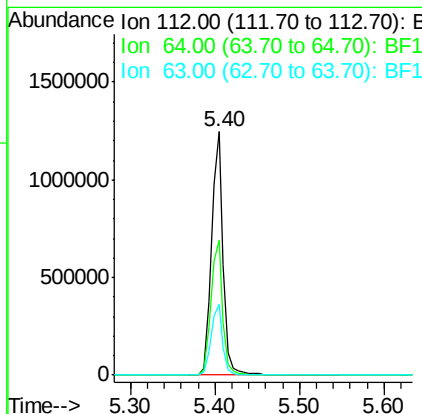
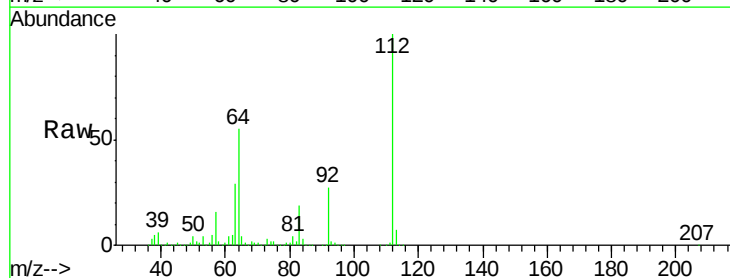
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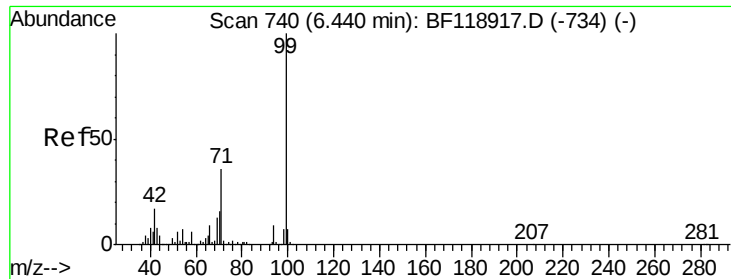


#5

2-Fluorophenol
Concen: 126.15 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.03 min
Lab File: BF118942.D
Acq: 14 Feb 2020 20:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	42.6	63.8
63	29.0	22.2	33.4





#7

Phenol-d6

Concen: 87.82 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.04 min

Lab File: BF118942.D

Acq: 14 Feb 2020 20:11

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-049-B

Tgt Ion: 99 Resp: 1051885

Ion Ratio Lower Upper

99 100

42 16.9 13.4 20.0

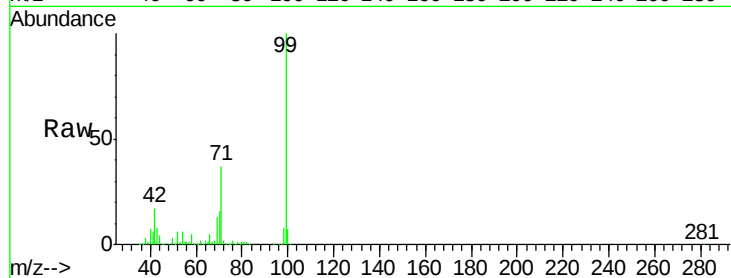
71 37.0 29.0 43.6

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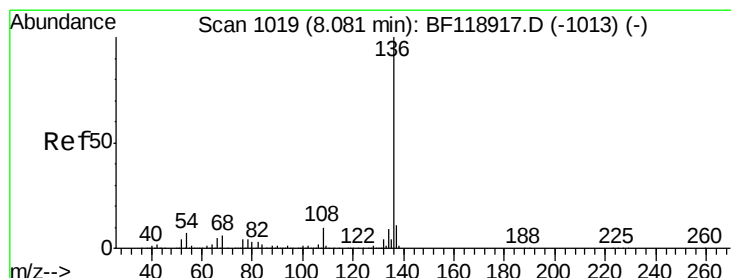
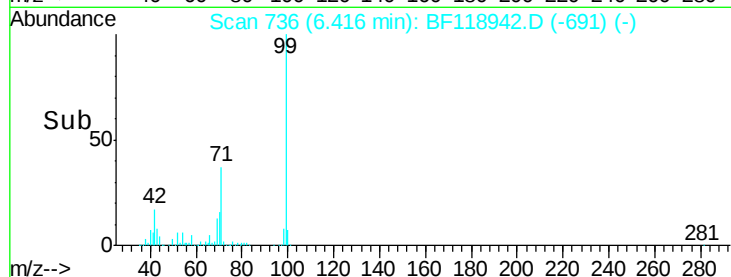
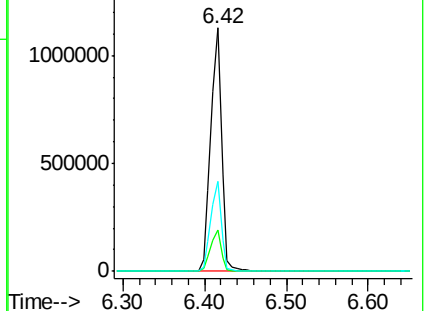
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.05 min

Lab File: BF118942.D

Acq: 14 Feb 2020 20:11

Tgt Ion: 136 Resp: 666426

Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 6.5 5.0 7.6

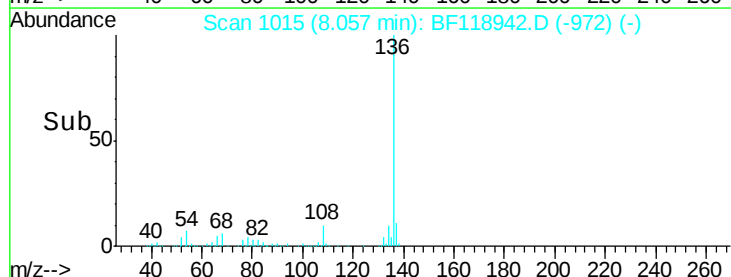
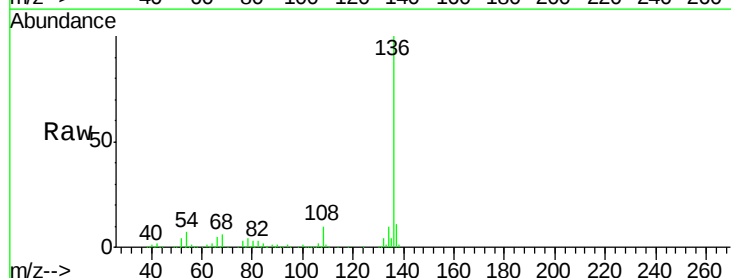
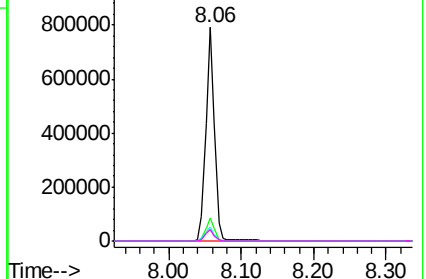
68 5.7 4.2 6.4

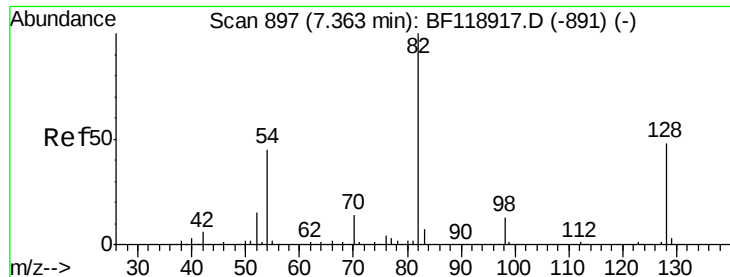
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





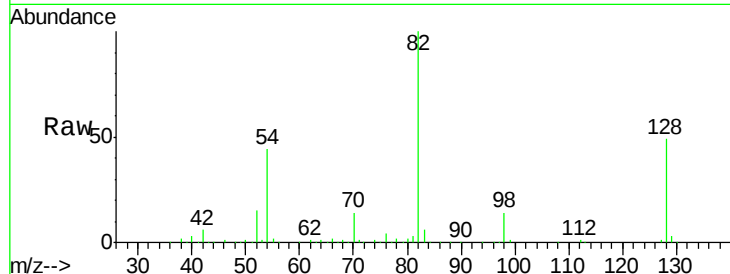
#23
 Nitrobenzene-d5
 Concen: 61.29 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.04 min
 Lab File: BF118942.D
 Acq: 14 Feb 2020 20:11

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-049-B

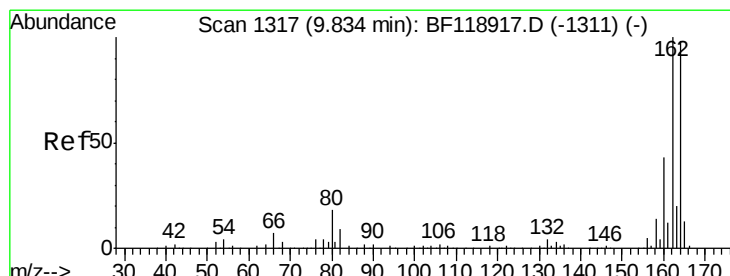
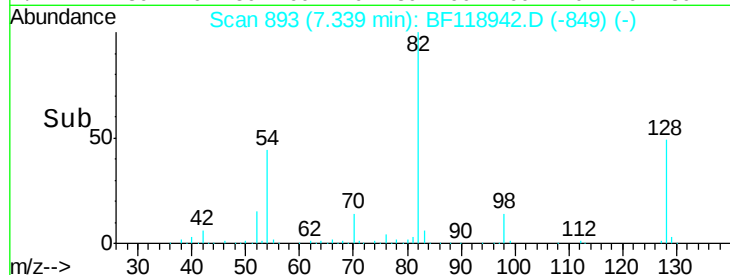
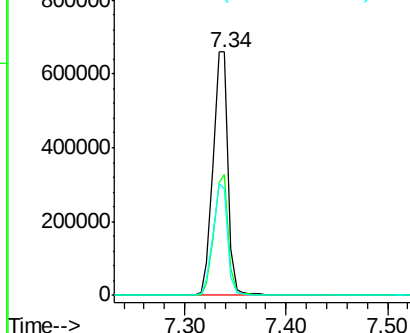
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	685259		
128	49.4	38.5	57.7	
54	43.7	36.7	55.1	

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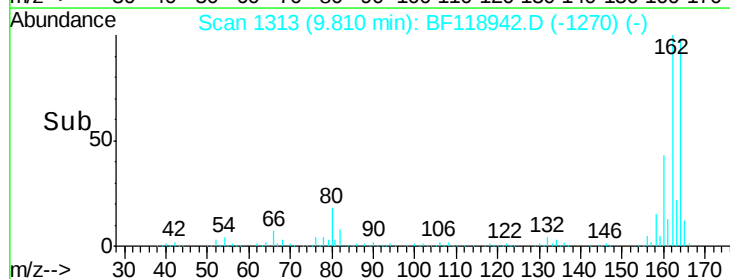
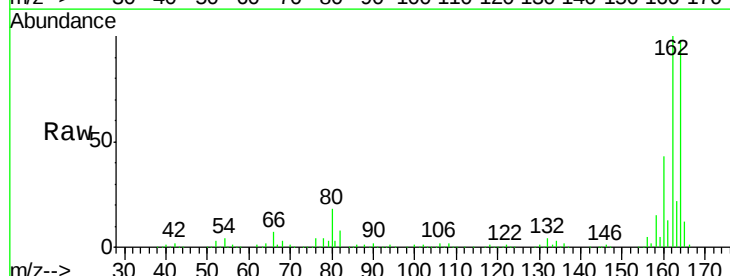
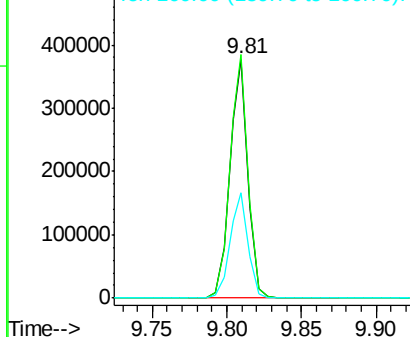
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

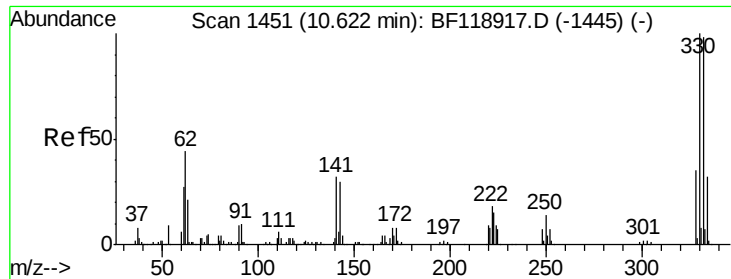


#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.05 min
 Lab File: BF118942.D
 Acq: 14 Feb 2020 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	321684		
162	101.9	81.4	122.2	
160	44.2	35.6	53.4	

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





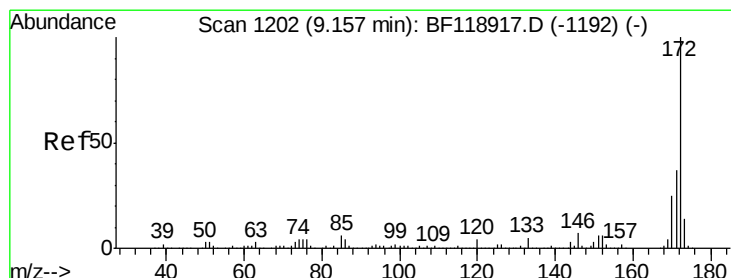
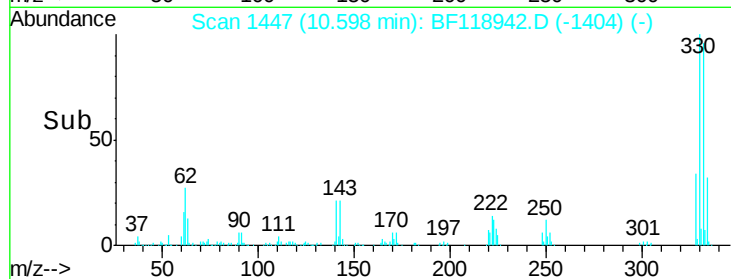
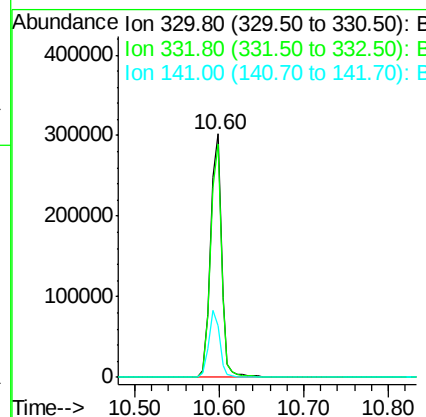
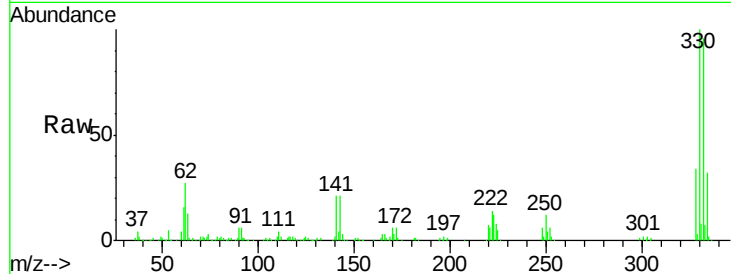
#42
 2,4,6-Tribromophenol
 Concen: 71.71 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.05 min
 Lab File: BF118942.D
 Acq: 14 Feb 2020 20:11

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-049-B

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	276031		
332	95.5	77.3	115.9	
141	27.3	22.4	33.6	

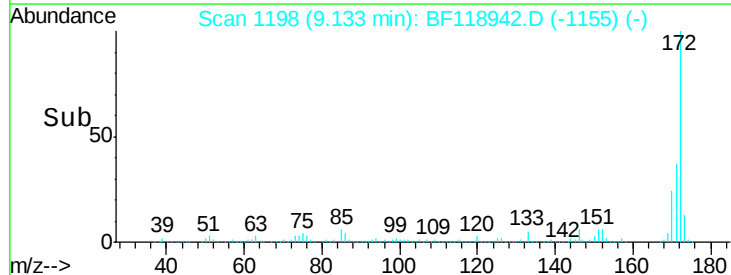
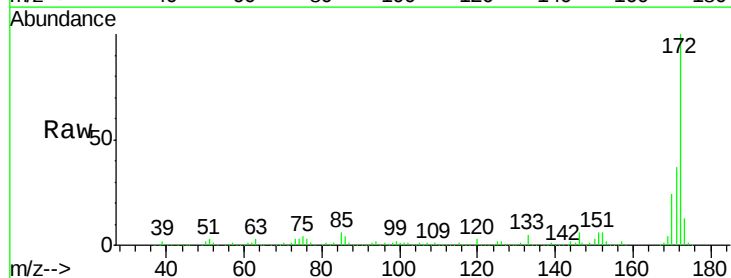
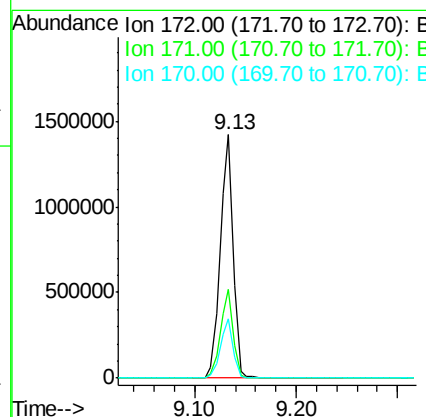
Manual Integrations
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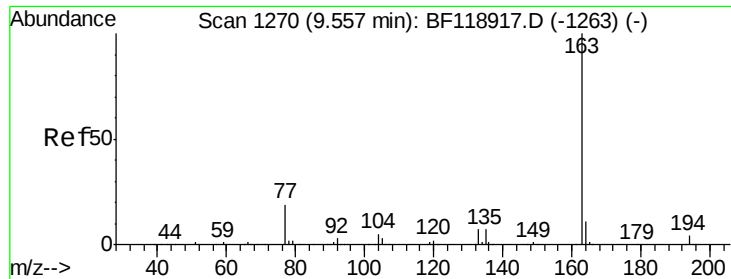
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#45
 2-Fluorobiphenyl
 Concen: 70.16 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.05 min
 Lab File: BF118942.D
 Acq: 14 Feb 2020 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1262560		
171	36.6	30.8	46.2	
170	24.1	20.5	30.7	





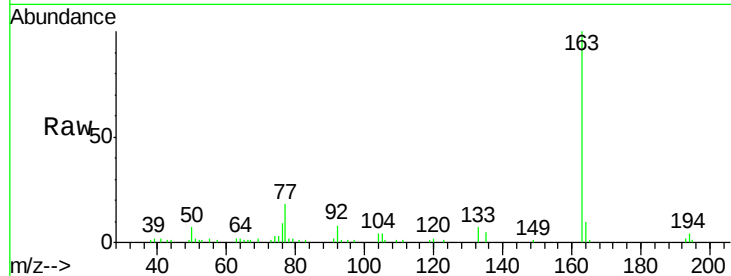
#50
Dimethylphthalate
Concen: 2.11 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.06 min
Lab File: BF118942.D
Acq: 14 Feb 2020 20:11

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-049-B

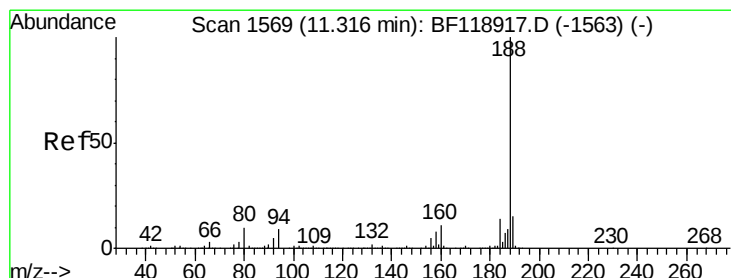
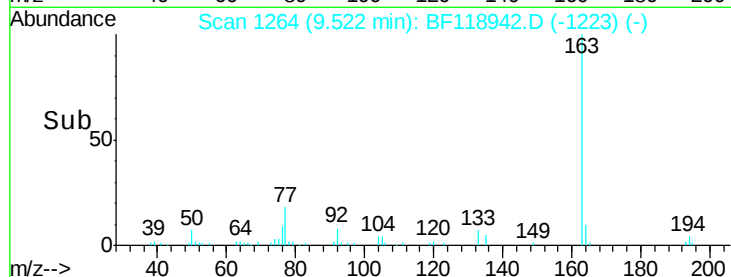
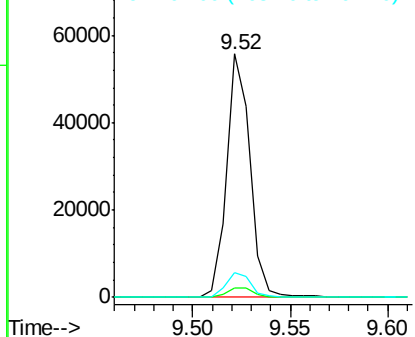
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	46265		
194	3.8		3.6	5.4
164	10.1		8.7	13.1

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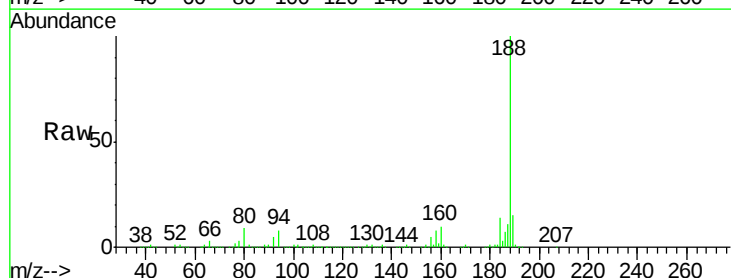


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

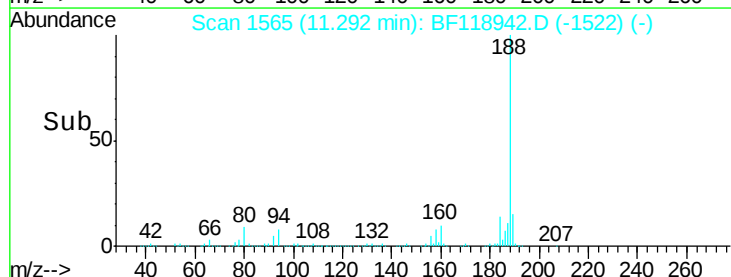
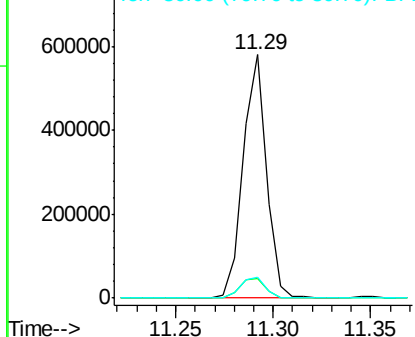


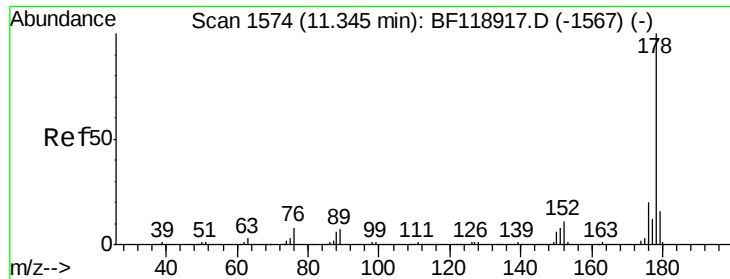
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.05 min
Lab File: BF118942.D
Acq: 14 Feb 2020 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	482386		
94	8.3		7.9	11.9
80	8.7		8.4	12.6



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





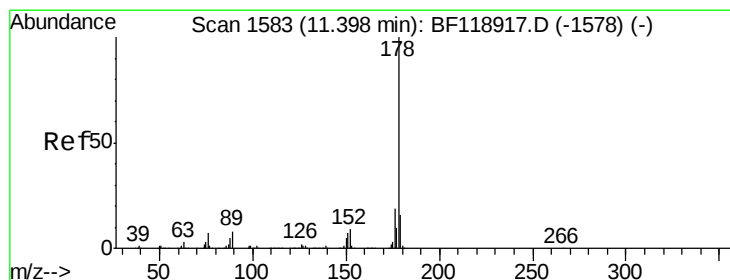
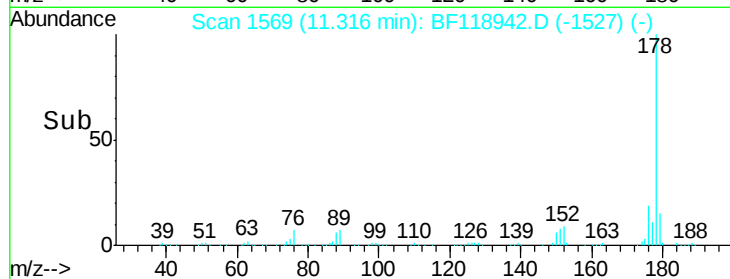
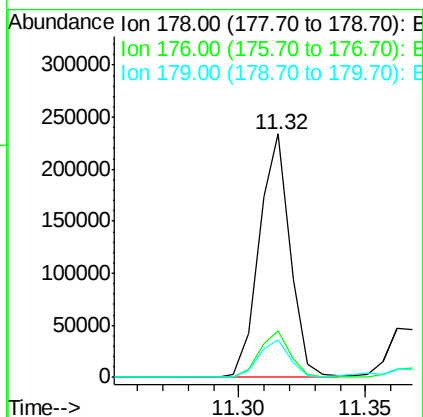
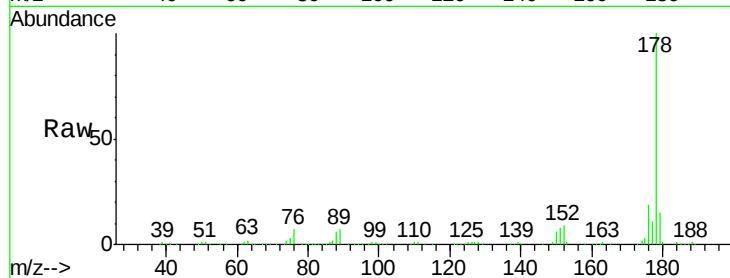
#71
Phenanthrene
Concen: 8.41 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.05 min
Lab File: BF118942.D
Acq: 14 Feb 2020 20:11

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-049-B

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.6	24.8
179	15.4	13.2	19.8

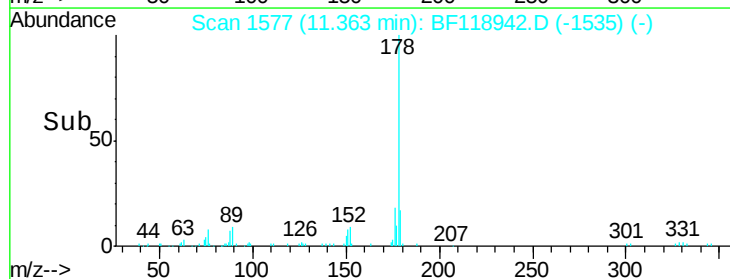
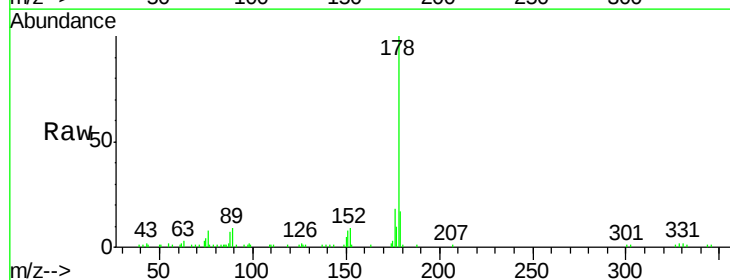
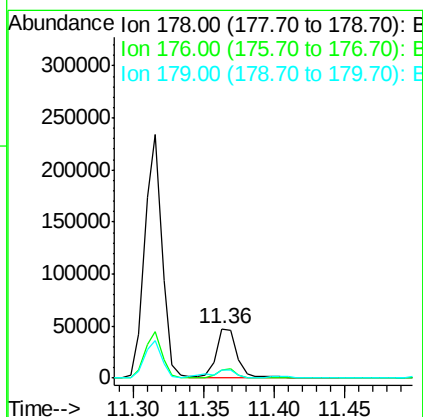
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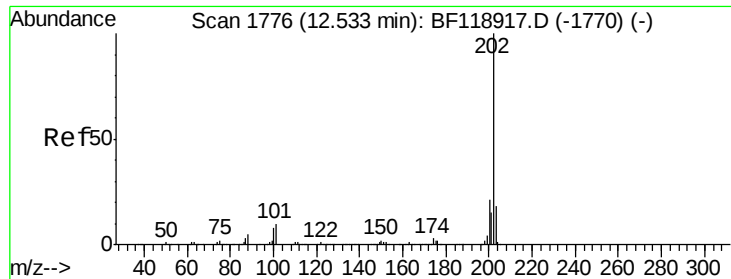
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#72
Anthracene
Concen: 2.13 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.05 min
Lab File: BF118942.D
Acq: 14 Feb 2020 20:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	16.2	24.2
179	17.3	13.4	20.2





#75

Fluoranthene

Concen: 11.31 ng

RT: 12.50 min Scan# 1771

Delta R.T. -0.05 min

Lab File: BF118942.D

Acq: 14 Feb 2020 20:11

Instrument :

BNA_F

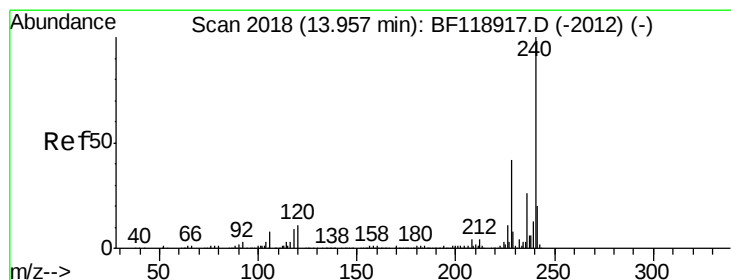
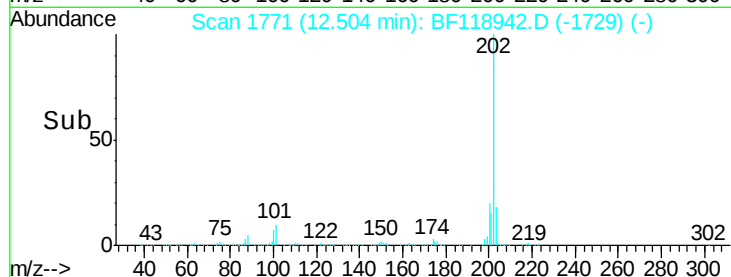
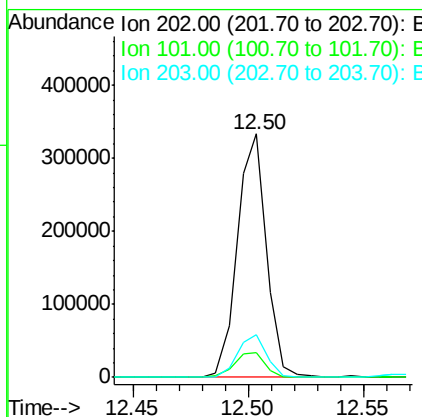
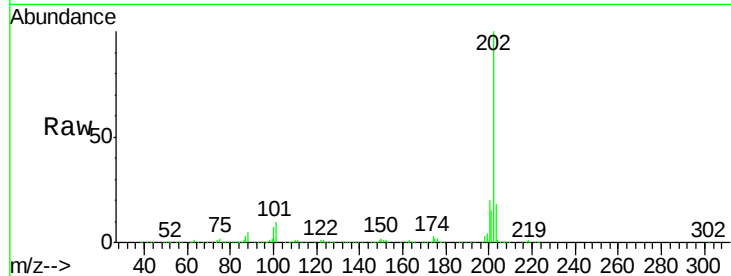
ClientSampleId :

FK-GF-02-049-B

Tgt	Ion	202	Resp:	293088
Ion	Ratio		Lower	Upper
202	100			
101	10.0	0.0	31.0	
203	17.5	0.0	38.7	

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#76

Chrysene-d12

Concen: 20.00 ng

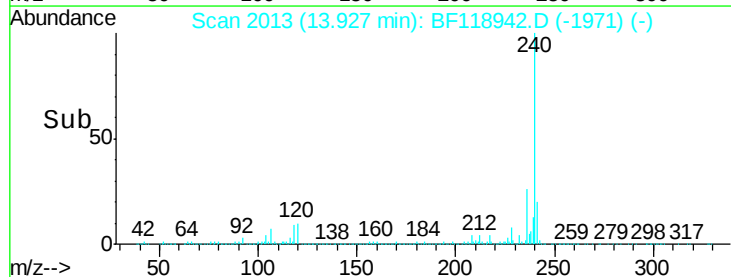
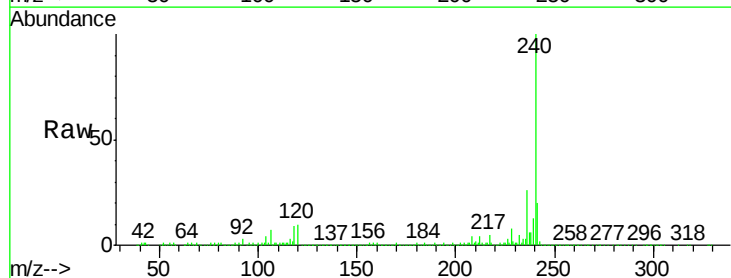
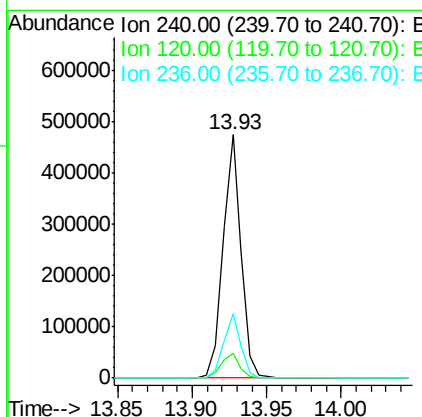
RT: 13.93 min Scan# 2013

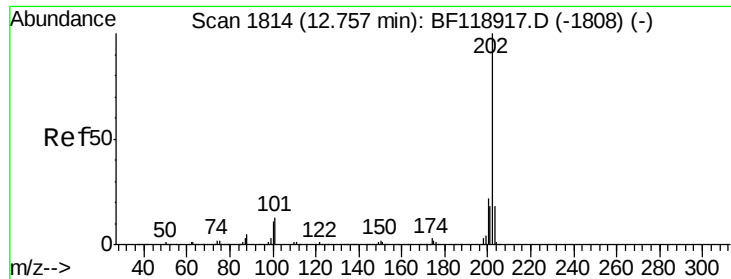
Delta R.T. -0.05 min

Lab File: BF118942.D

Acq: 14 Feb 2020 20:11

Tgt	Ion	240	Resp:	401829
Ion	Ratio		Lower	Upper
240	100			
120	10.0	9.4	14.0	
236	26.3	21.0	31.6	





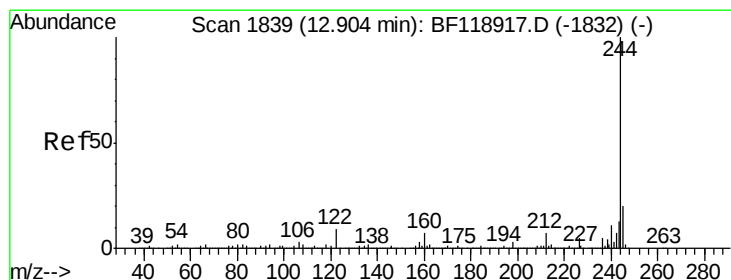
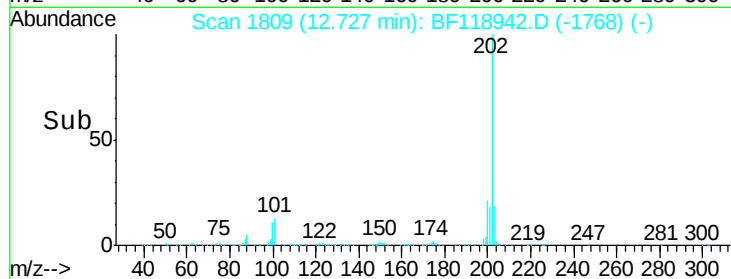
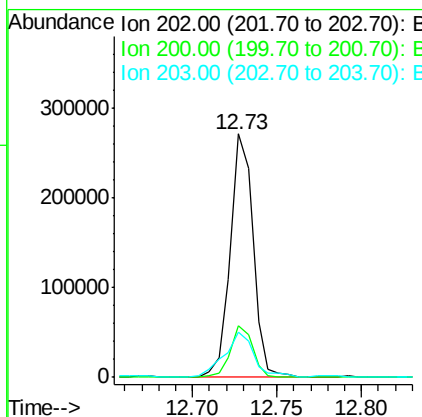
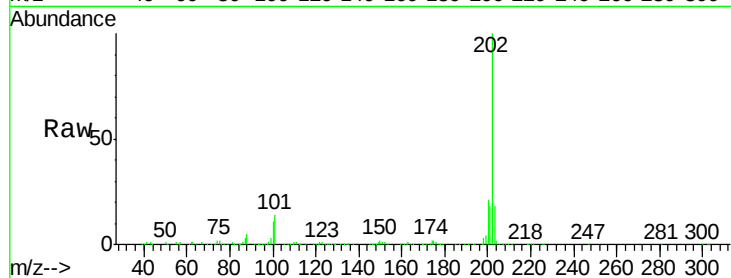
#78
 Pyrene
 Concen: 9.21 ng
 RT: 12.73 min Scan# 1809
 Delta R.T. -0.06 min
 Lab File: BF118942.D
 Acq: 14 Feb 2020 20:11

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-049-B

Tgt Ion:	202	Resp:	253982
Ion Ratio	Lower	Upper	
202	100		
200	21.4	18.2	27.2
203	18.5	14.8	22.2

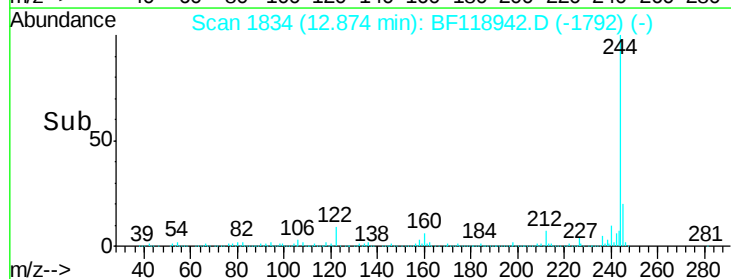
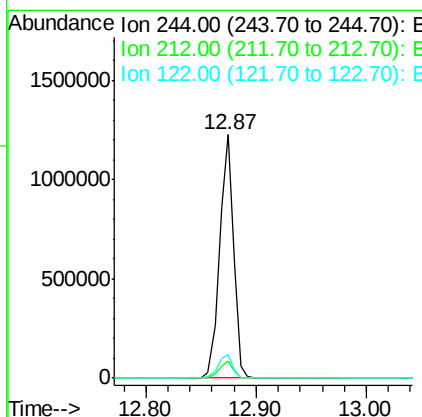
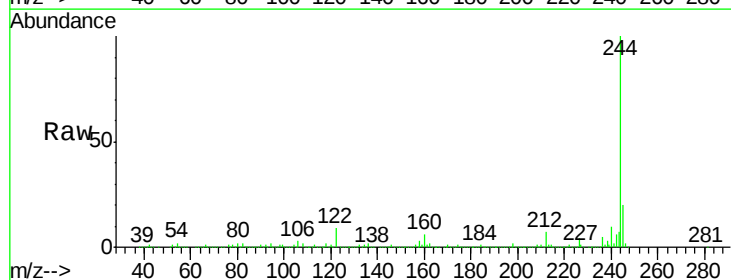
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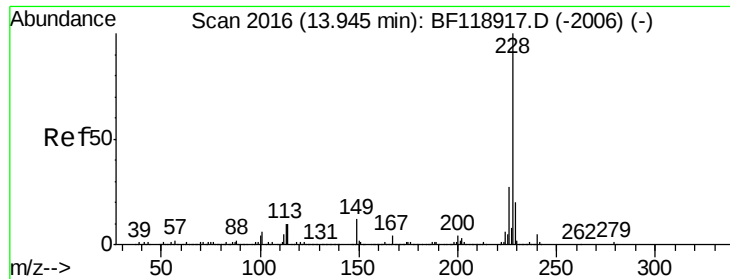
mohammad
 2/17/2020 3:49:15 PM



#79
 Terphenyl-d14
 Concen: 54.83 ng
 RT: 12.87 min Scan# 1834
 Delta R.T. -0.05 min
 Lab File: BF118942.D
 Acq: 14 Feb 2020 20:11

Tgt Ion:	244	Resp:	1072626
Ion Ratio	Lower	Upper	
244	100		
212	6.8	6.5	9.7
122	9.5	8.9	13.3





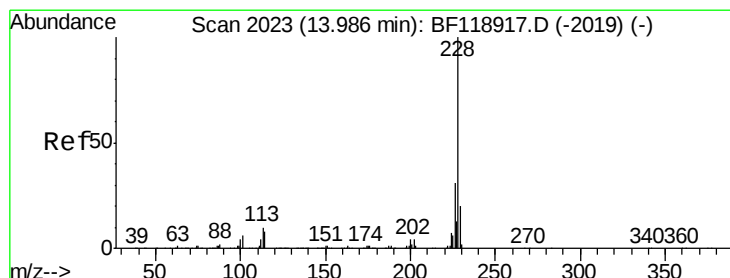
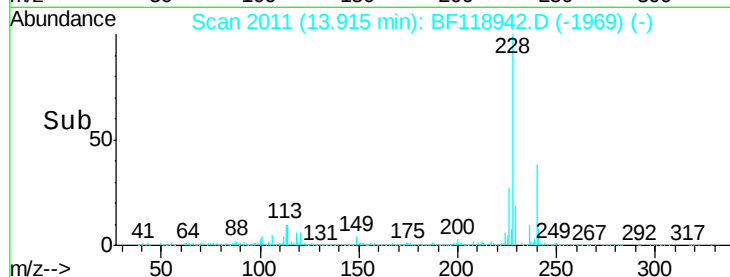
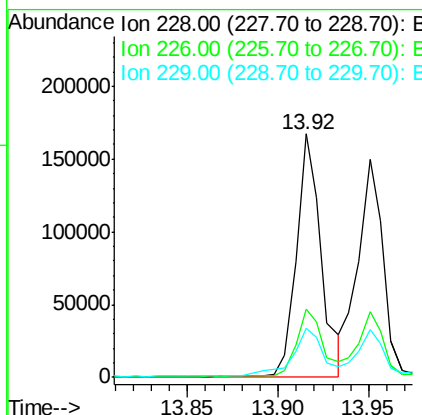
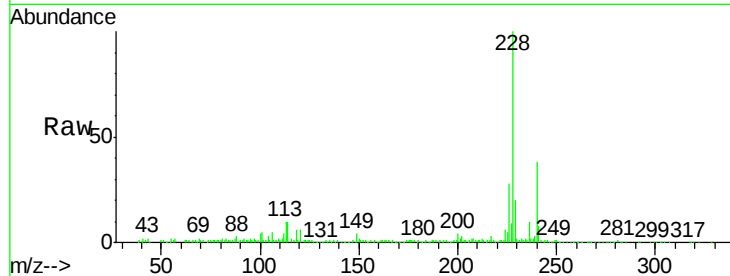
#81
Benzo(a)anthracene
Concen: 6.73 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.05 min
Lab File: BF118942.D
Acq: 14 Feb 2020 20:11

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-049-B

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.7	34.1
229	20.1	16.6	25.0

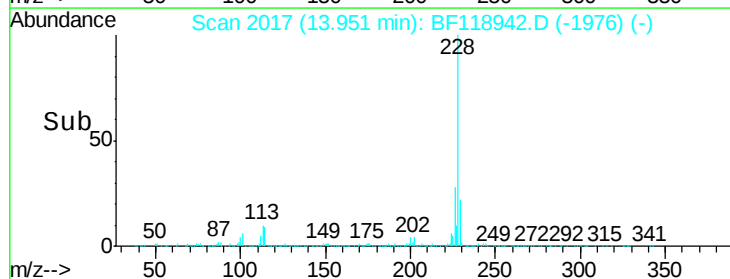
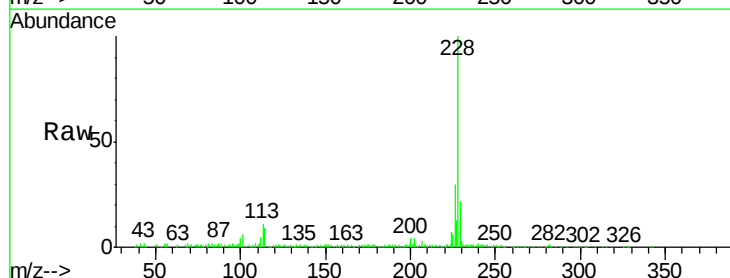
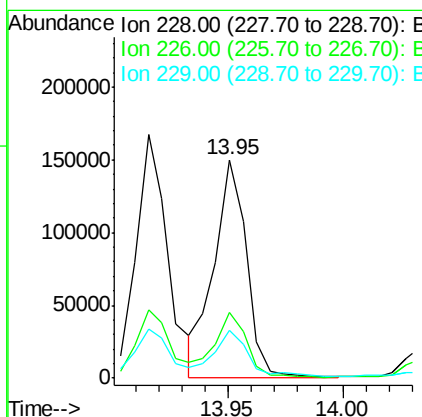
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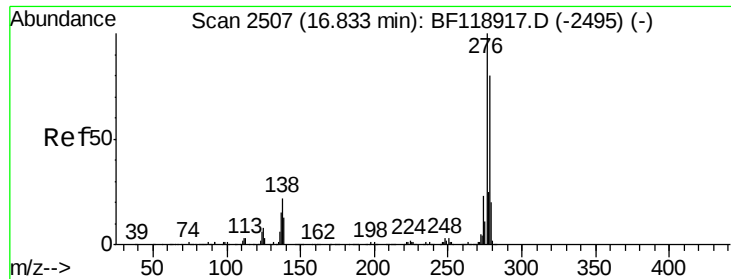
mohammad
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#83
Chrysene
Concen: 6.06 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.06 min
Lab File: BF118942.D
Acq: 14 Feb 2020 20:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.4	38.0
229	21.8	16.9	25.3





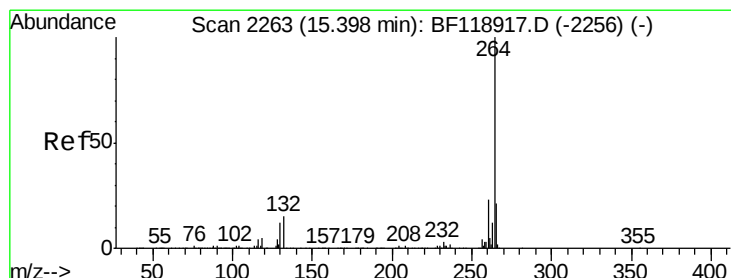
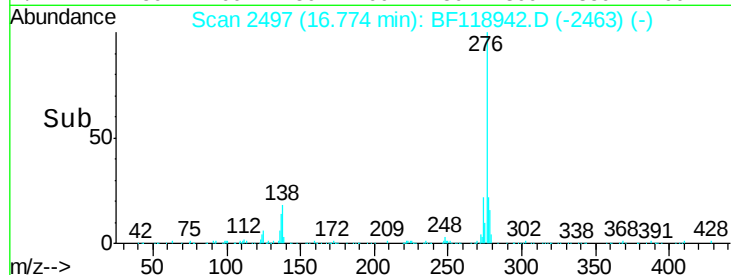
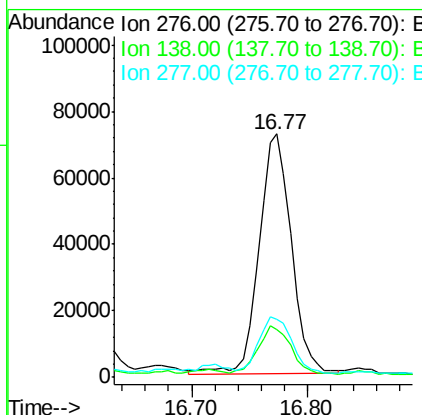
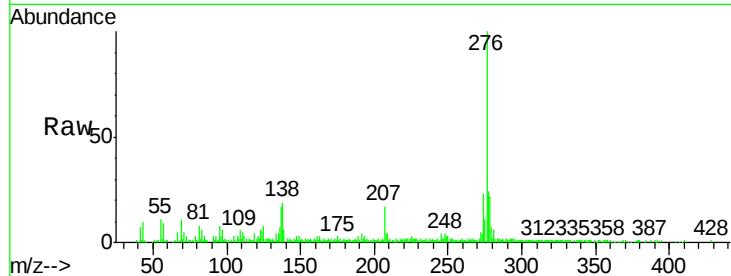
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.84 ng
 RT: 16.77 min Scan# 2497
 Delta R.T. -0.10 min
 Lab File: BF118942.D
 Acq: 14 Feb 2020 20:11

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-049-B

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.8	18.3	27.5
277	24.2	20.2	30.4

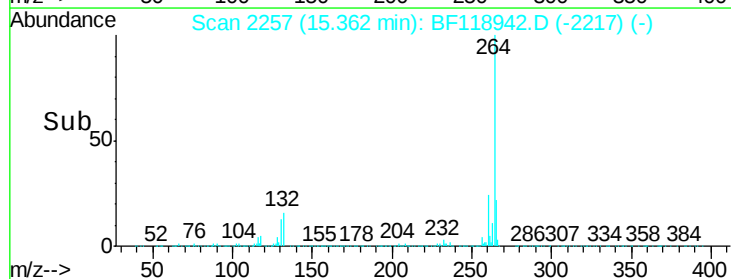
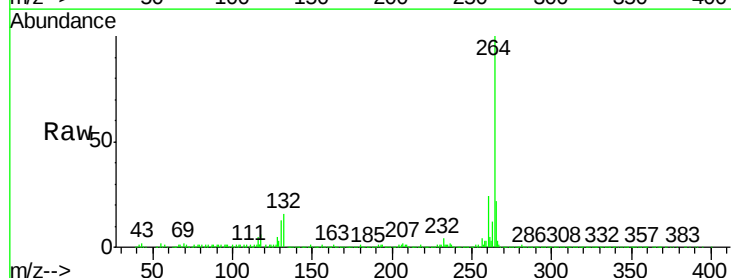
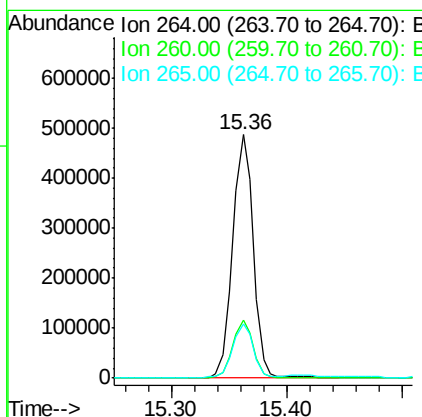
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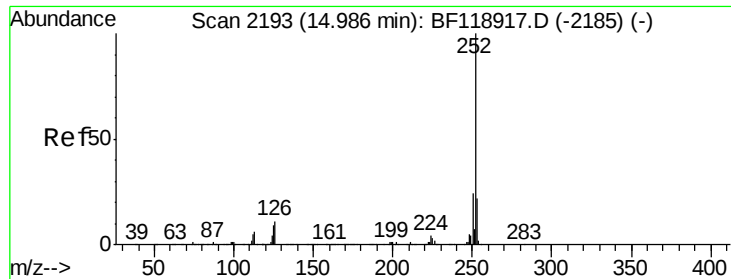
mohammad
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#87
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 2257
 Delta R.T. -0.06 min
 Lab File: BF118942.D
 Acq: 14 Feb 2020 20:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	22.4	17.2	25.8





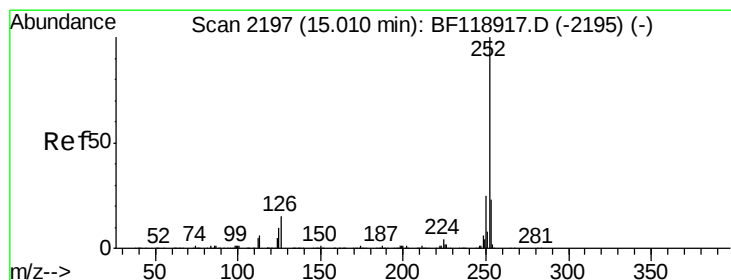
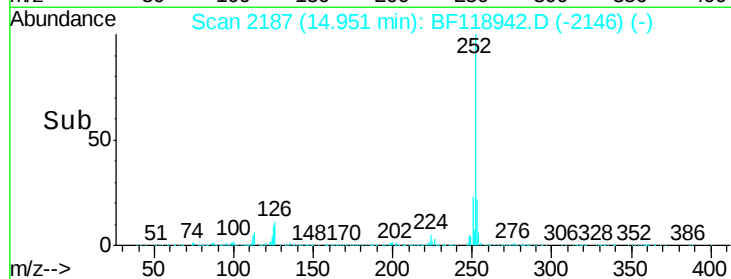
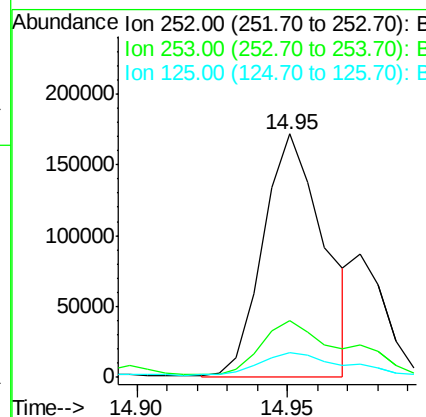
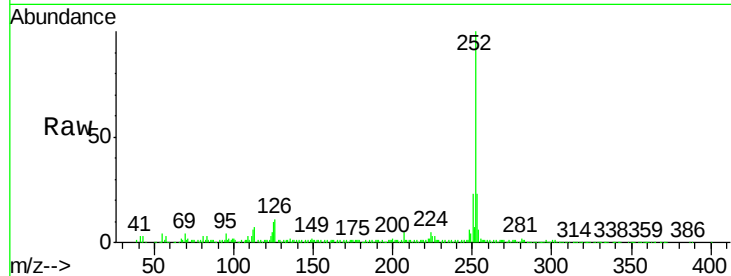
#88
Benzo(b)fluoranthene
Concen: 6.52 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.06 min
Lab File: BF118942.D
Acq: 14 Feb 2020 20:11

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-049-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	10.2	8.1	12.1

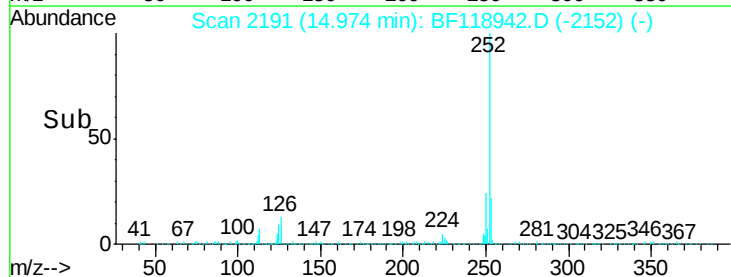
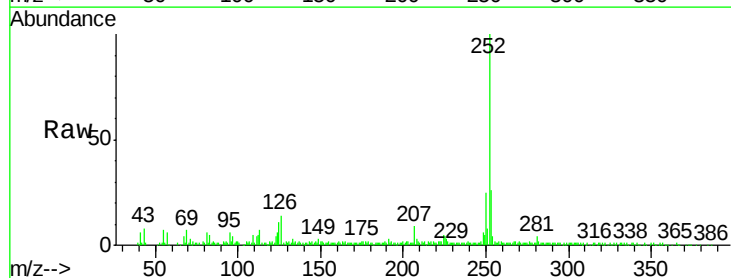
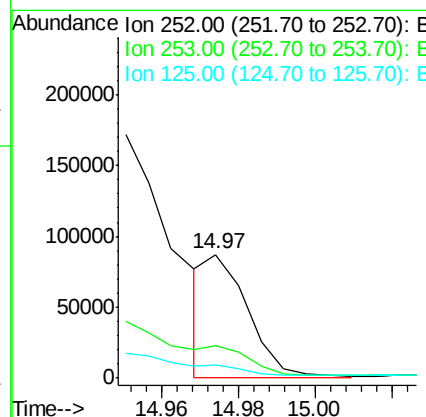
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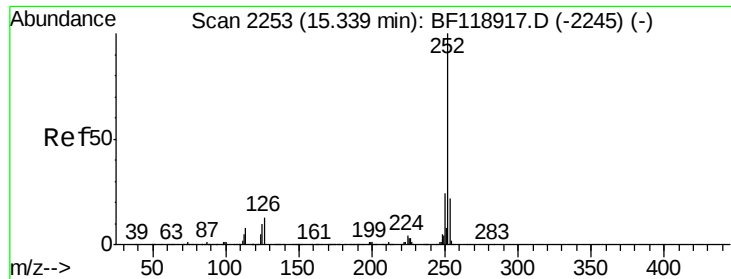
mohammad
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#89
Benzo(k)fluoranthene
Concen: 2.08 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.07 min
Lab File: BF118942.D
Acq: 14 Feb 2020 20:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.2	27.4
125	10.6	7.0	10.6#





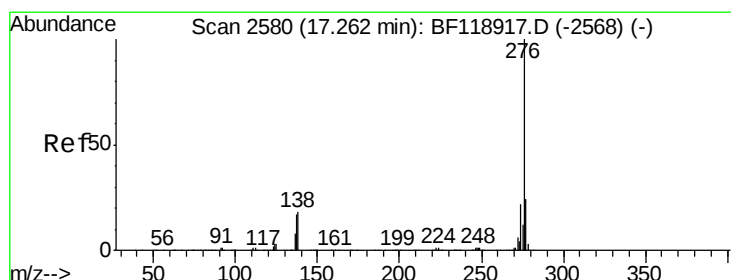
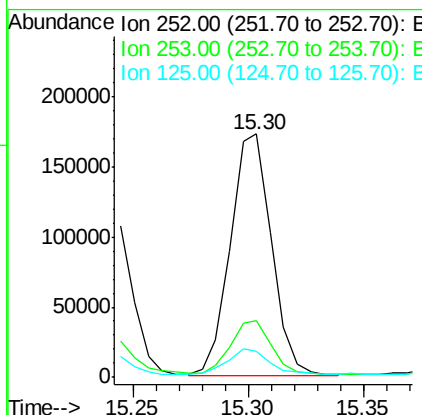
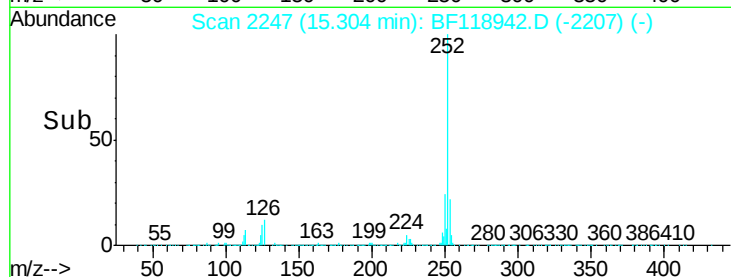
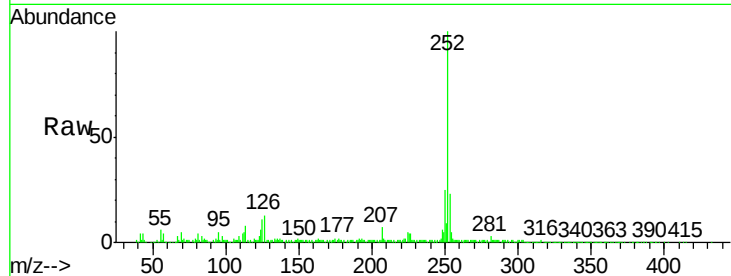
#90
Benzo(a)pyrene
Concen: 6.73 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.06 min
Lab File: BF118942.D
Acq: 14 Feb 2020 20:11

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-049-B

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	214332		
253	23.3	18.1	27.1	
125	10.8	8.7	13.1	

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 3.37 ng
RT: 17.20 min Scan# 2569
Delta R.T. -0.11 min
Lab File: BF118942.D
Acq: 14 Feb 2020 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	91568		
277	23.9	18.7	28.1	
138	19.4	15.4	23.2	

