

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040919\
 Data File : BF113668.D
 Acq On : 9 Apr 2019 18:30
 Operator : JU/SJ
 Sample : K2334-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-6(0-10)

Manual Integrations
 APPROVED

Sohil
 4/10/2019 6:20:40 PM

Quant Time: Apr 10 07:01:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	122975	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	468214	20.00	ng	0.00
39) Acenaphthene-d10	9.71	164	219833	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	405258	20.00	ng	-0.01
76) Chrysene-d12	13.82	240	314648	20.00	ng	-0.02
87) Perylene-d12	15.23	264	332040	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	748943	103.85	ng	0.00
7) Phenol-d6	6.33	99	979128	110.16	ng	0.00
23) Nitrobenzene-d5	7.25	82	581528	72.75	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	267635	101.35	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	945651	69.25	ng	-0.02
79) Terphenyl-d14	12.77	244	772924	50.01	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.43	163	142107	8.770	ng	100
71) Phenanthrene	11.22	178	82405	4.092	ng	97
75) Fluoranthene	12.40	202	311528	14.437	ng	100
78) Pyrene	12.63	202	293668	12.266	ng	98
81) Benzo(a)anthracene	13.82	228	218425	12.034	ng	100
83) Chrysene	13.85	228	218322	11.866	ng	98
86) Indeno(1,2,3-cd)pyrene	16.59	276	125620	7.395	ng	96
88) Benzo(b)fluoranthene	14.84	252	342340m	16.843	ng	
89) Benzo(k)fluoranthene	14.86	252	81121m	4.447	ng	
90) Benzo(a)pyrene	15.17	252	208072	11.521	ng	98
91) Dibenzo(a,h)anthracene	16.59	278	35187m	2.083	ng	
92) Benzo(g,h,i)perylene	17.00	276	116073	6.733	ng	98

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

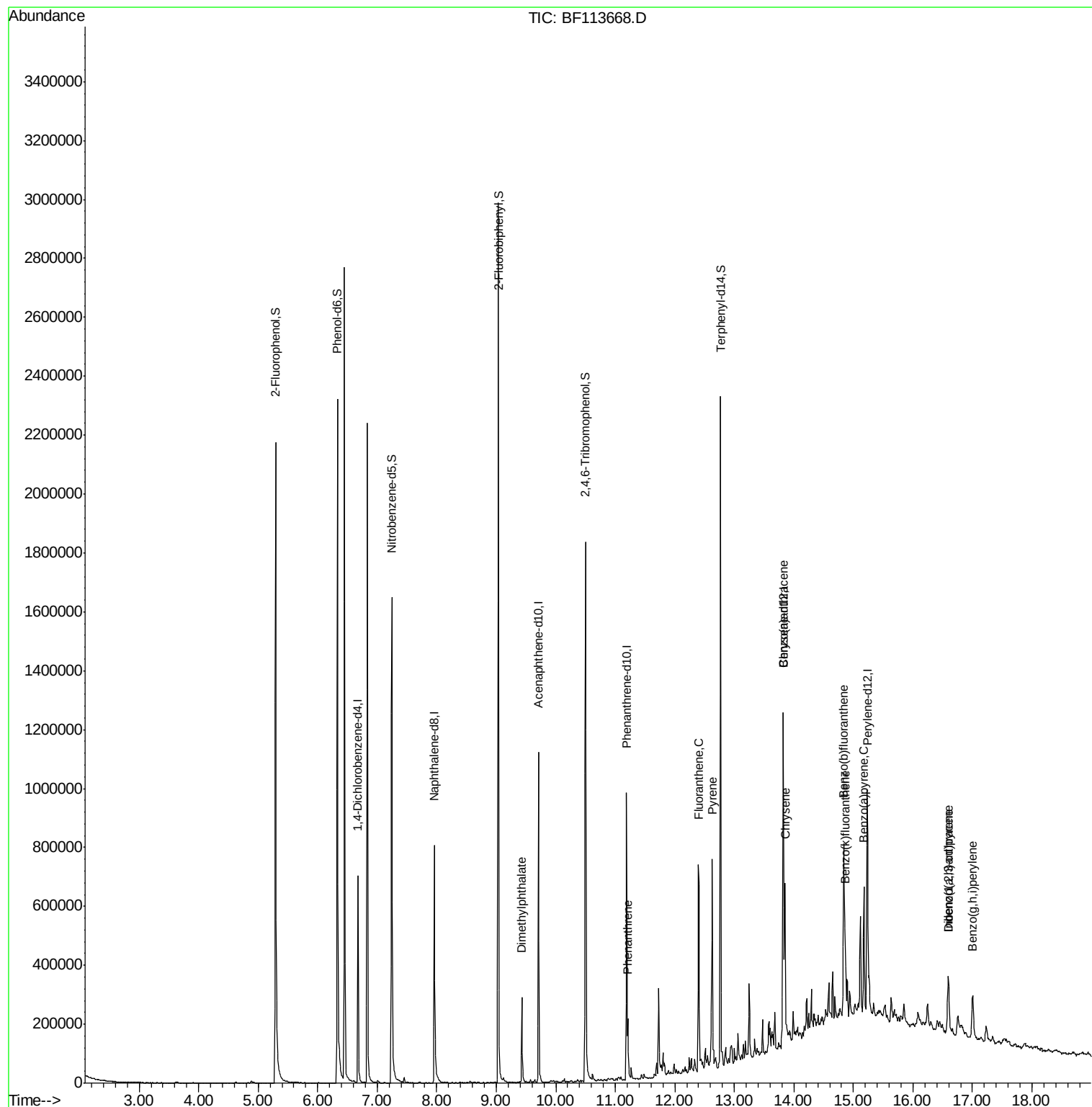
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040919\
Data File : BF113668.D
Acq On : 9 Apr 2019 18:30
Operator : JU/SJ
Sample : K2334-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

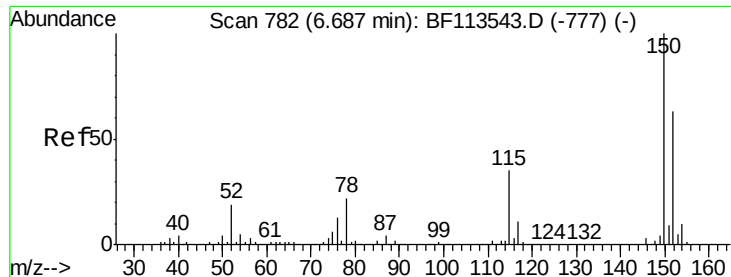
Instrument :
BNA_F
ClientSampled :
P-6(0-10)

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#1

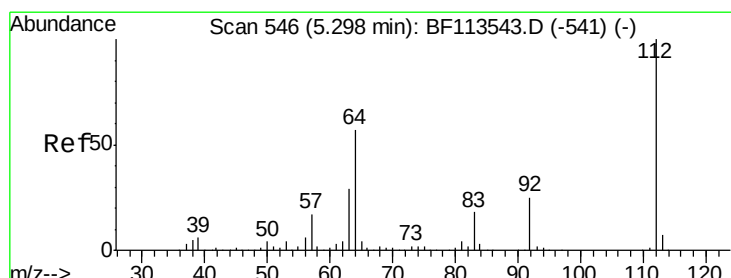
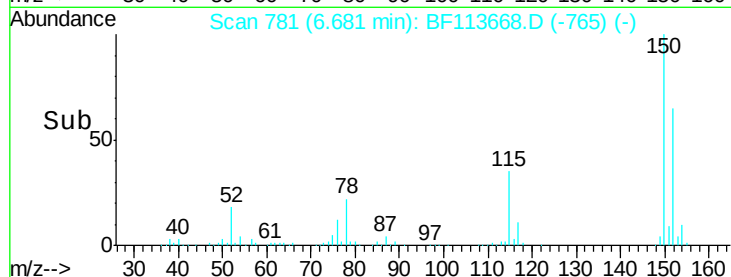
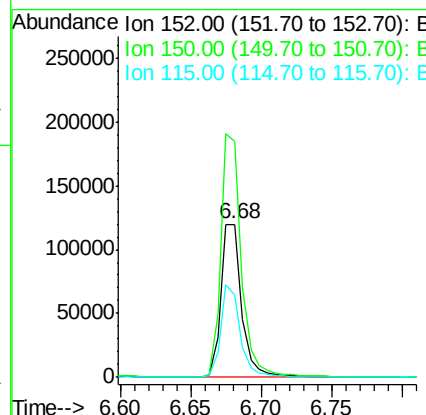
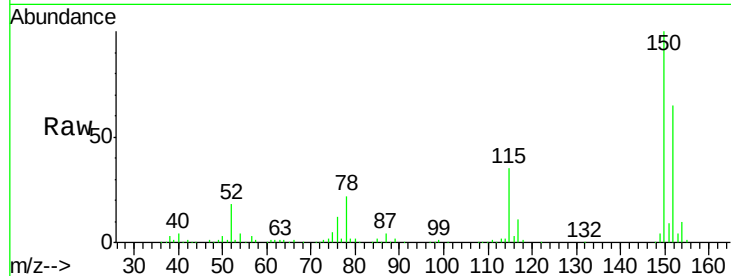
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.01 min
Lab File: BF113668.D
Acq: 9 Apr 2019 18:30

Instrument :
BNA_F
ClientSampleId :
P-6(0-10)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.7	187.1
115	53.5	46.0	69.0

Manual Integrations
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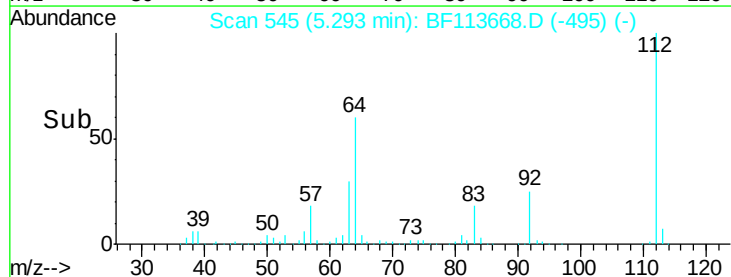
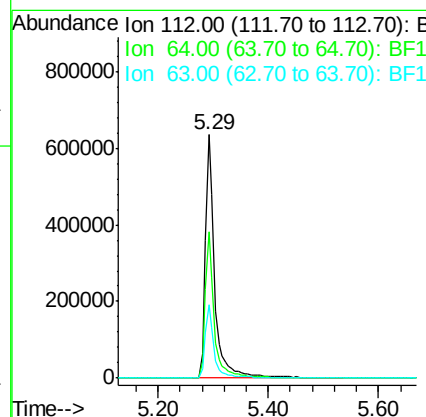
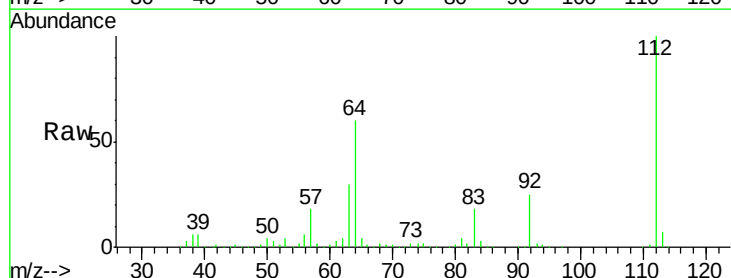
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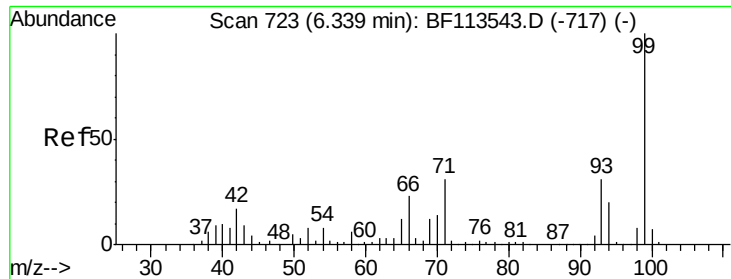


#5

2-Fluorophenol
Concen: 103.852 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF113668.D
Acq: 9 Apr 2019 18:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.9	49.2	73.8
63	30.2	24.9	37.3





#7

Phenol-d6

Concen: 110.158 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113668.D

Acq: 9 Apr 2019 18:30

Instrument :

BNA_F

ClientSampled :

P-6(0-10)

Tgt Ion: 99 Resp: 979128

Ion Ratio Lower Upper

99 100

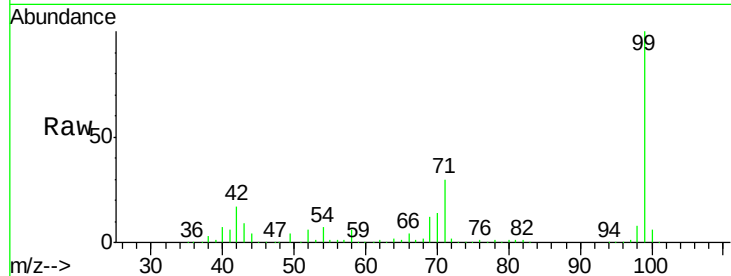
42 17.3 14.8 22.2

71 30.4 24.9 37.3

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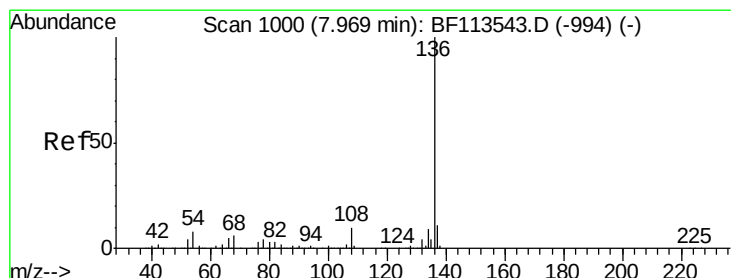
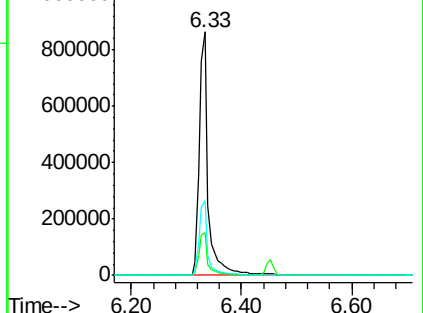
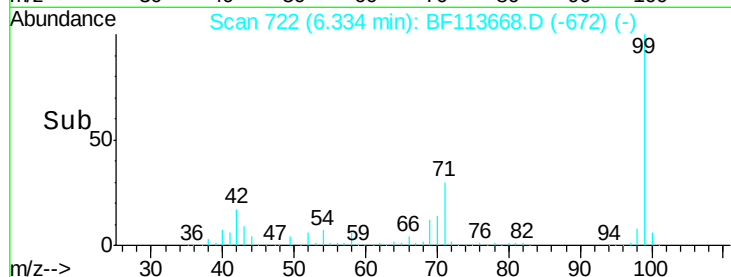
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF113668.D

Acq: 9 Apr 2019 18:30

Tgt Ion: 136 Resp: 468214

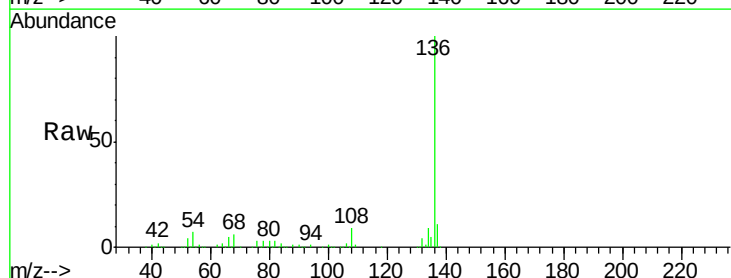
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.2 7.0 10.6

68 5.6 4.8 7.2

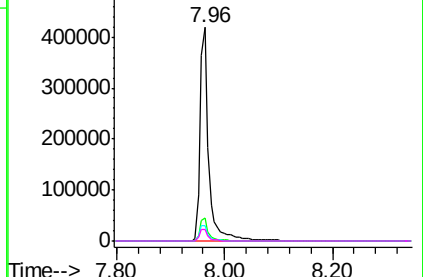
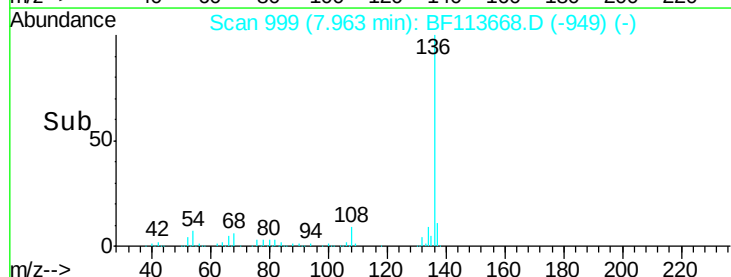


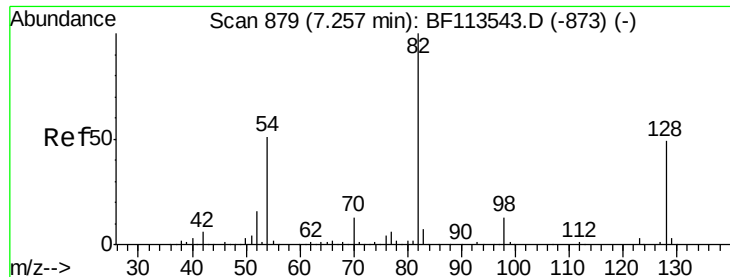
Abundance Ion 136.00 (135.70 to 136.70): E

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





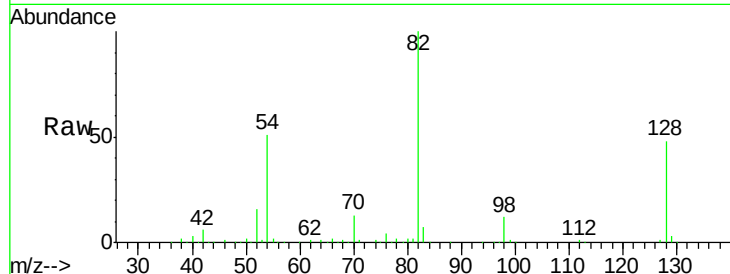
#23
Nitrobenzene-d5
Concen: 72.751 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF113668.D
Acq: 9 Apr 2019 18:30

Instrument :
BNA_F
ClientSampled :
P-6(0-10)

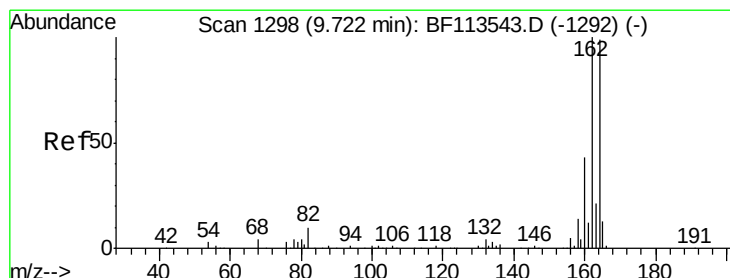
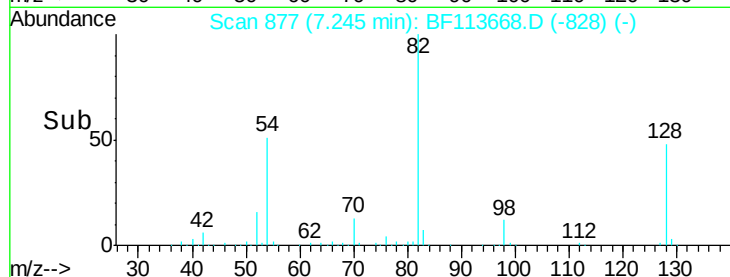
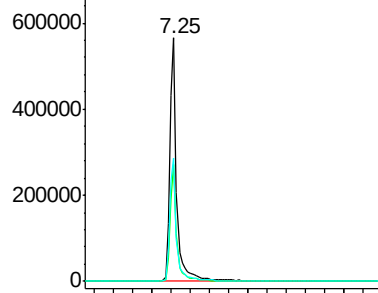
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	581528		
128	47.8	36.5	54.7	
54	50.8	42.2	63.2	

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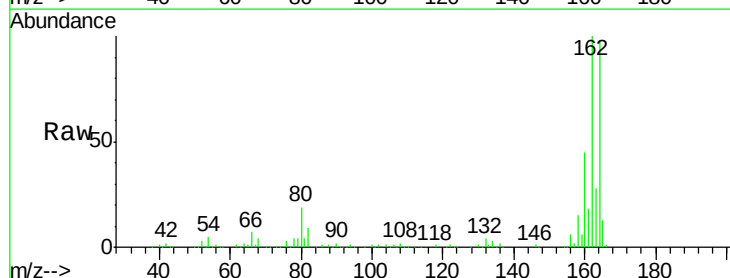


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

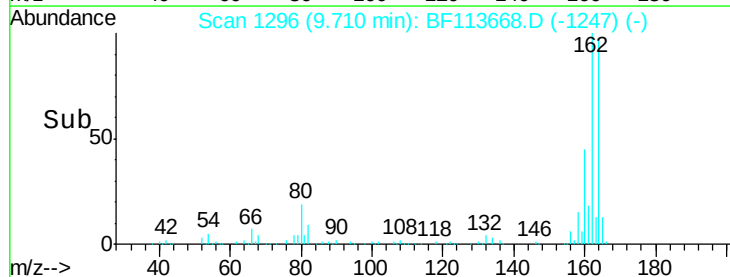
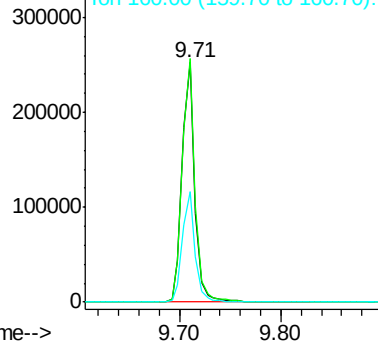


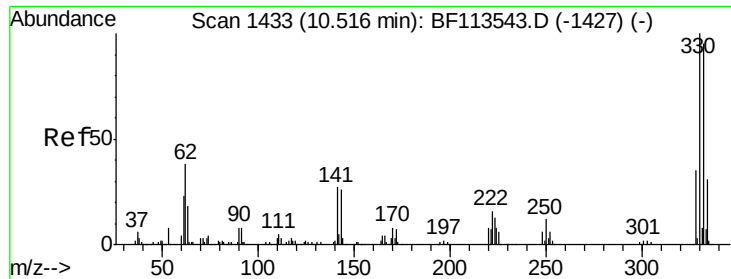
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF113668.D
Acq: 9 Apr 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	219833		
162	101.7	81.8	122.6	
160	46.2	36.4	54.6	



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





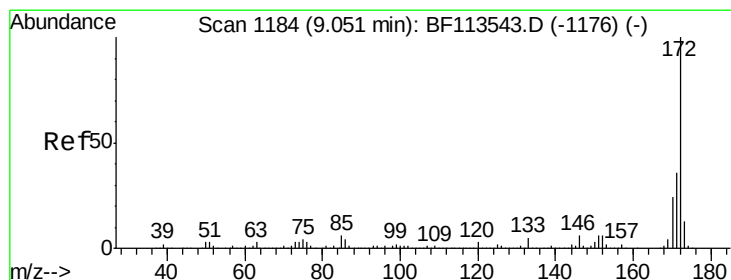
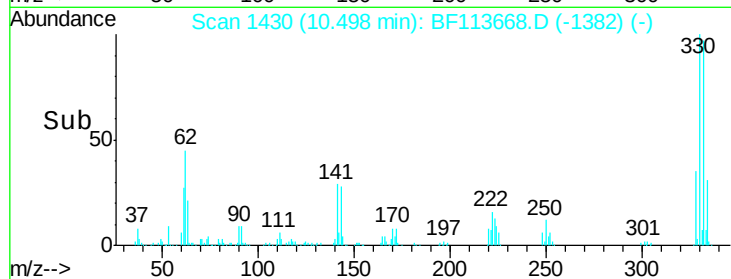
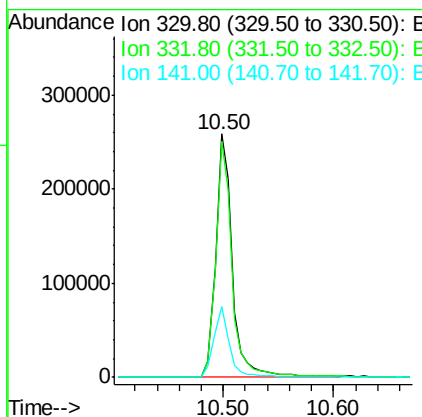
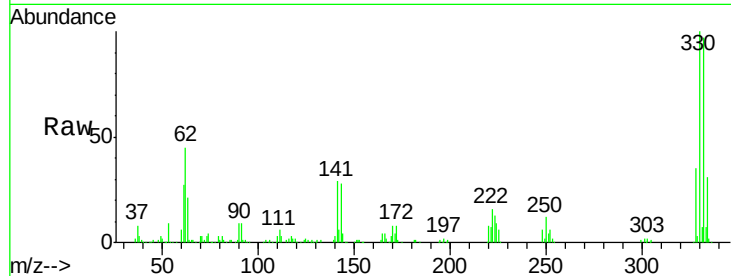
#42
 2,4,6-Tribromophenol
 Concen: 101.349 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113668.D
 Acq: 9 Apr 2019 18:30

Instrument :
 BNA_F
 ClientSampleId :
 P-6(0-10)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	267635		
332	97.4	77.8	116.6	
141	27.8	22.7	34.1	

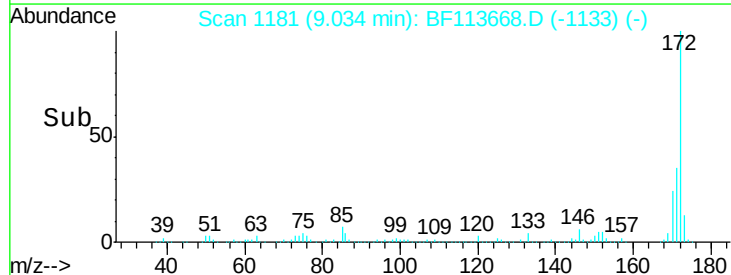
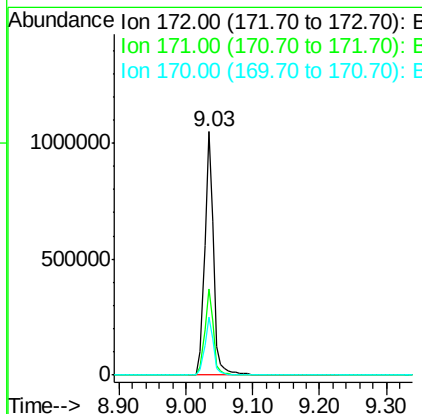
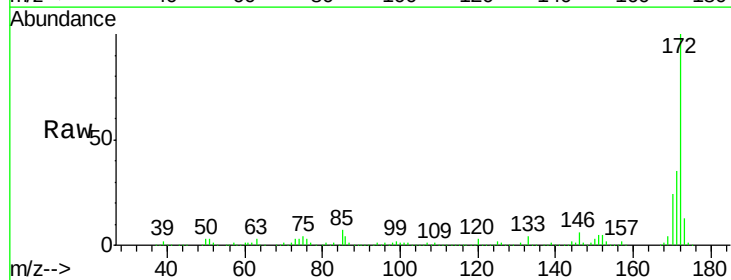
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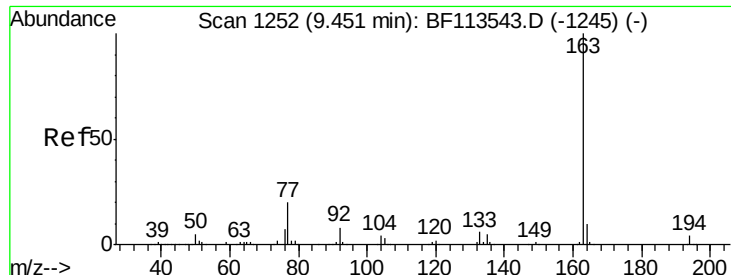
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#45
 2-Fluorobiphenyl
 Concen: 69.252 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF113668.D
 Acq: 9 Apr 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	945651		
171	35.5	29.0	43.6	
170	23.8	19.5	29.3	





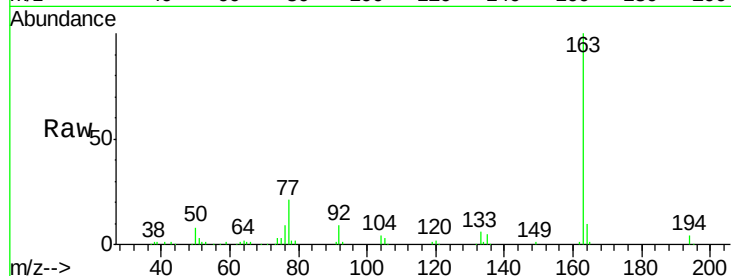
#50
Dimethylphthalate
Concen: 8.770 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BF113668.D
Acq: 9 Apr 2019 18:30

Instrument :
BNA_F
ClientSampleId :
P-6(0-10)

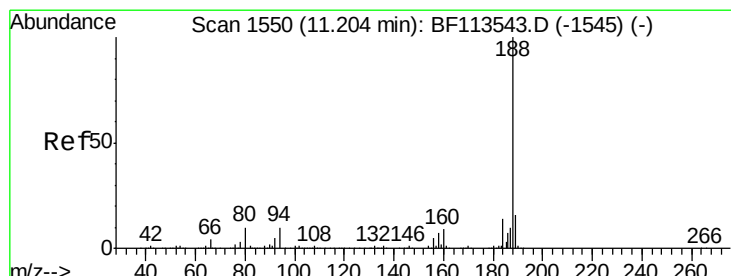
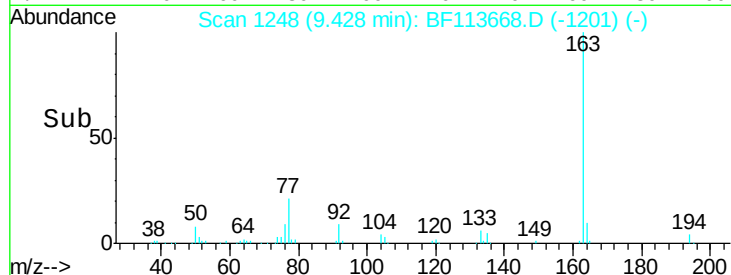
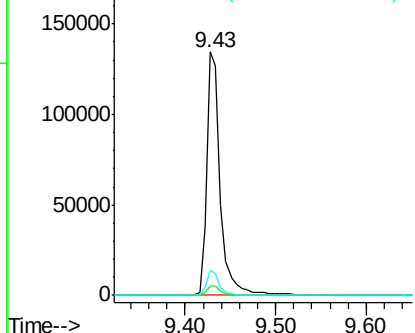
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	142107		
194	4.0	3.0	4.6	
164	10.2	8.1	12.1	

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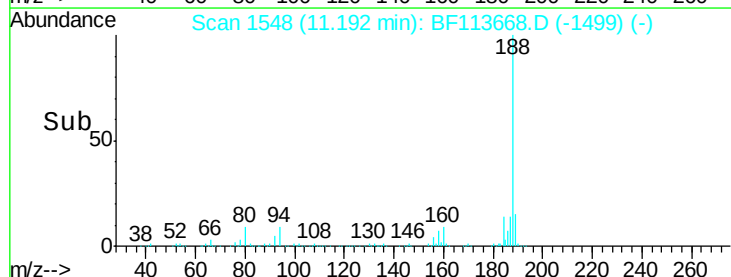
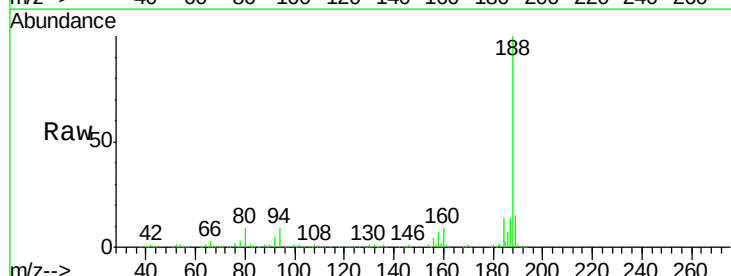
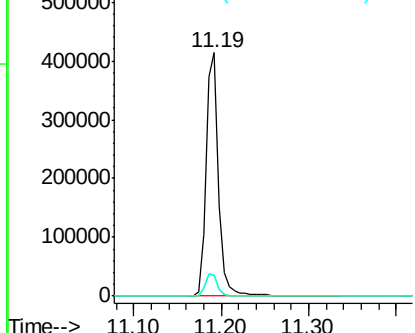
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

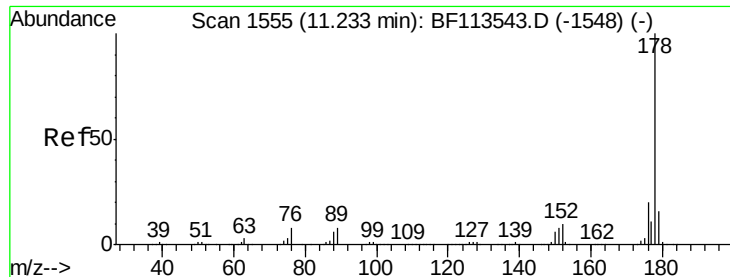


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BF113668.D
Acq: 9 Apr 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	405258		
94	8.8	7.0	10.6	
80	8.5	7.7	11.5	

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





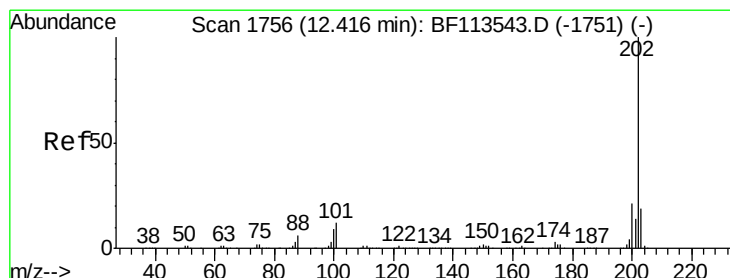
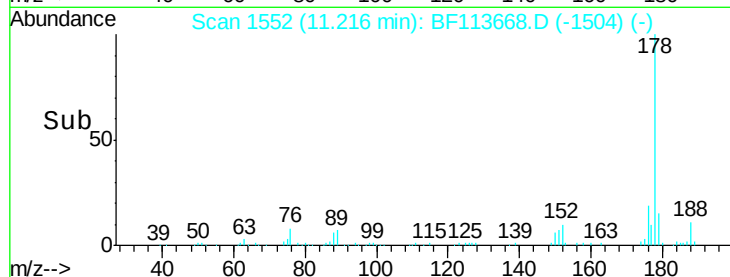
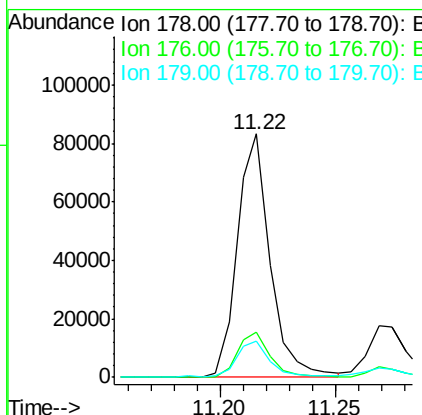
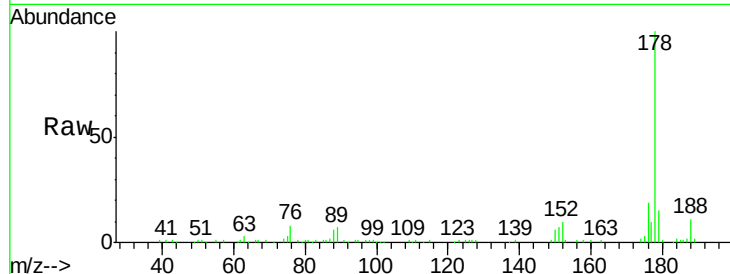
#71
Phenanthrene
Concen: 4.092 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.02 min
Lab File: BF113668.D
Acq: 9 Apr 2019 18:30

Instrument :
BNA_F
ClientSampled :
P-6(0-10)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.2	24.2
179	15.0	12.7	19.1

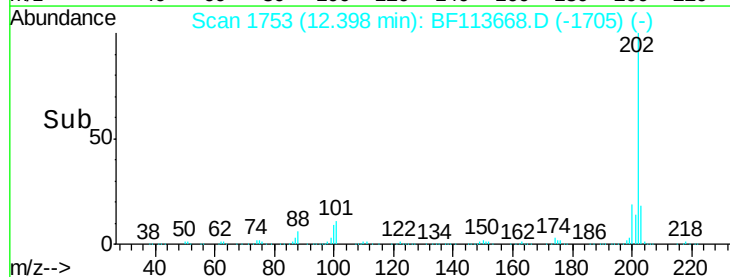
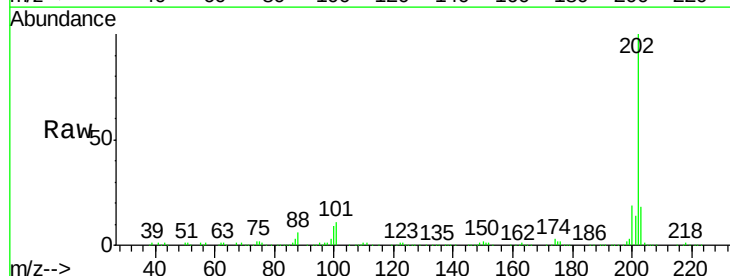
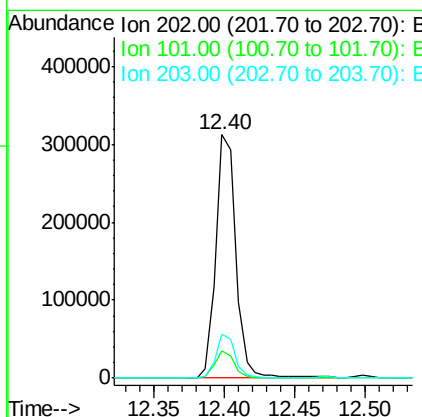
Manual Integrations
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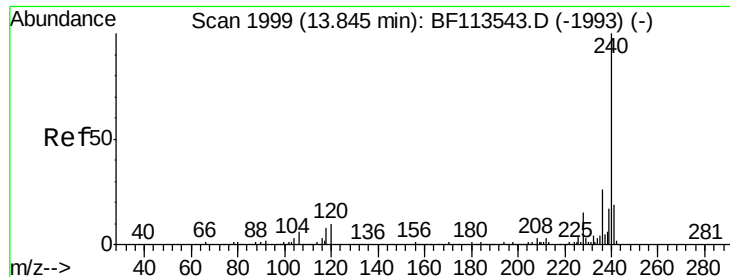
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#75
Fluoranthene
Concen: 14.437 ng
RT: 12.40 min Scan# 1753
Delta R.T. -0.02 min
Lab File: BF113668.D
Acq: 9 Apr 2019 18:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.4
203	18.1	0.0	38.0





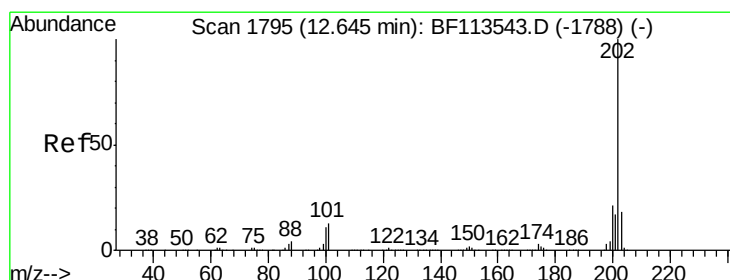
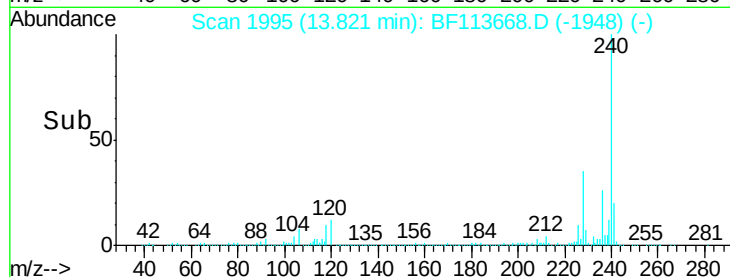
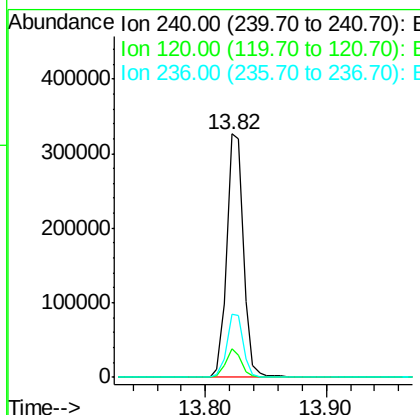
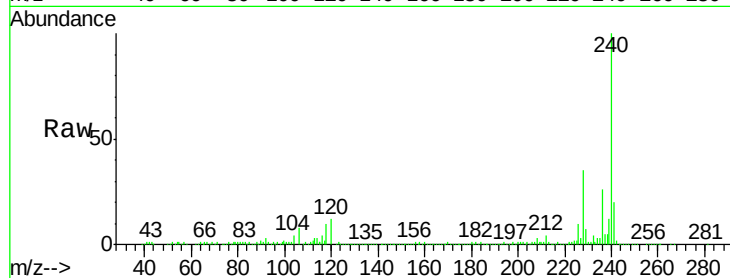
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.02 min
Lab File: BF113668.D
Acq: 9 Apr 2019 18:30

Instrument :
BNA_F
ClientSampleId :
P-6(0-10)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	314648		
120	11.9	8.8	13.2	
236	25.7	20.9	31.3	

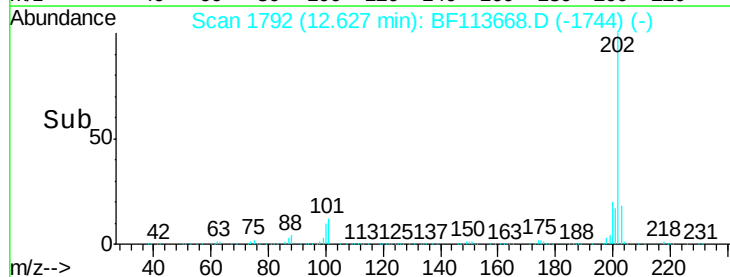
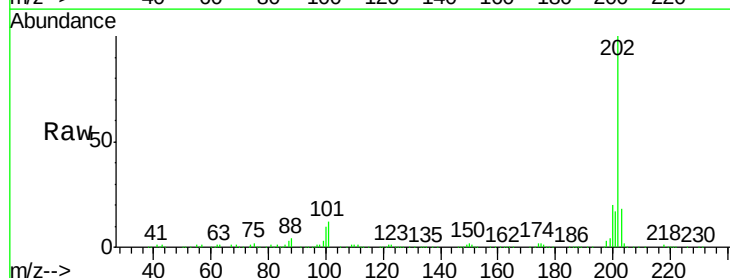
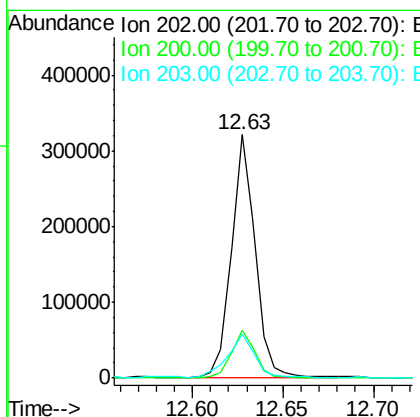
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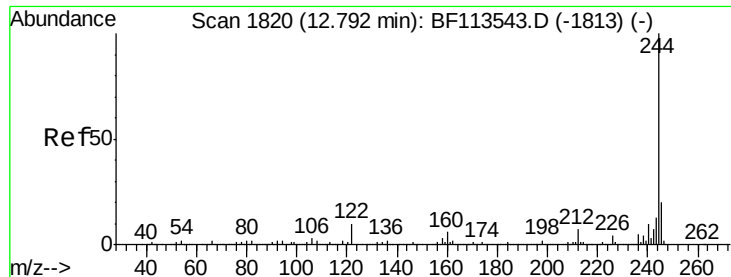
Sohil
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#78
Pyrene
Concen: 12.266 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.02 min
Lab File: BF113668.D
Acq: 9 Apr 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	293668		
200	19.8	16.8	25.2	
203	18.2	14.4	21.6	





#79

Terphenyl-d14

Concen: 50.014 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113668.D

Acq: 9 Apr 2019 18:30

Instrument :

BNA_F

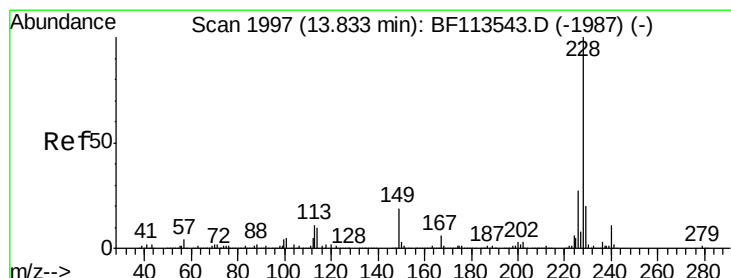
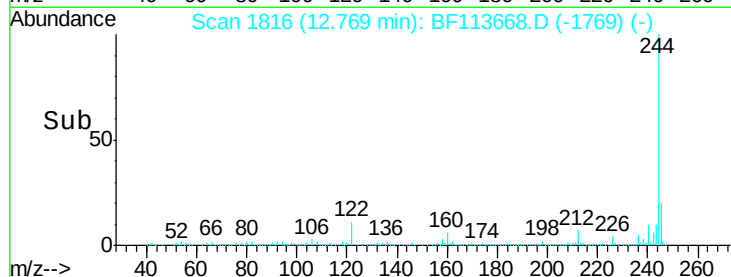
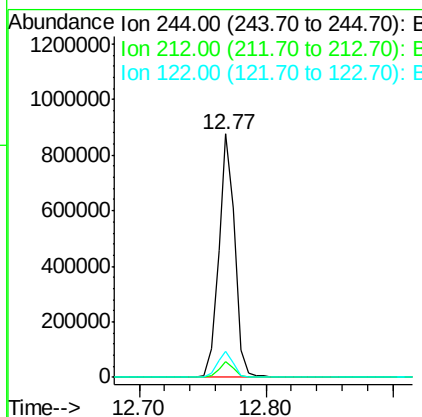
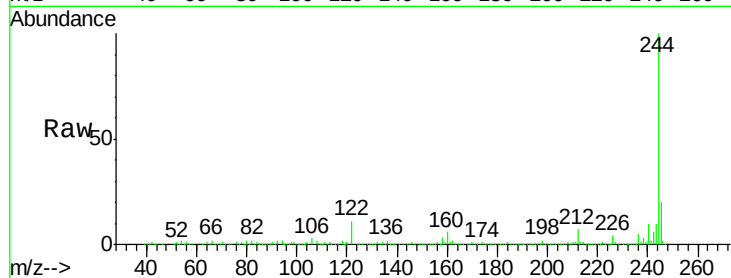
ClientSampled :

P-6(0-10)

Tgt Ion:	244	Resp:	772924
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.5	8.3
122	10.9	8.6	13.0

Manual Integrations
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#81

Benzo(a)anthracene

Concen: 12.034 ng

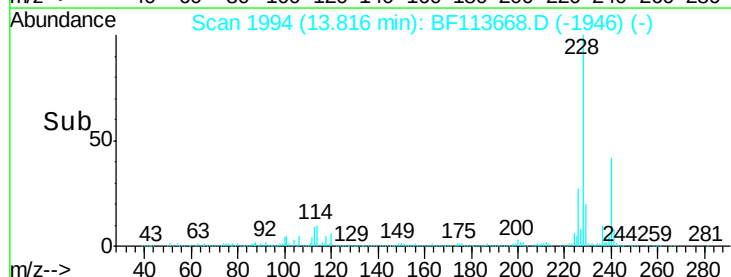
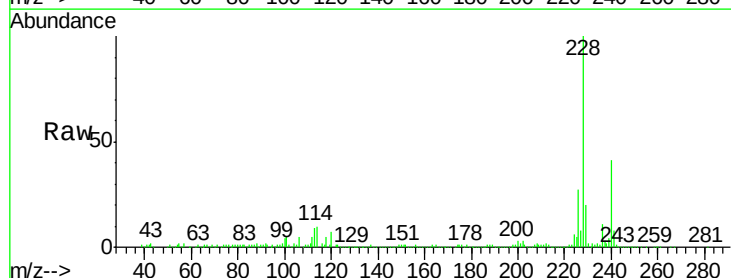
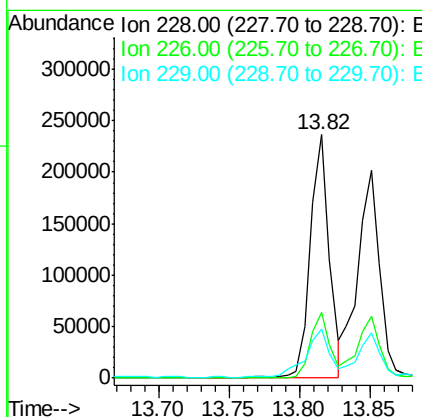
RT: 13.82 min Scan# 1994

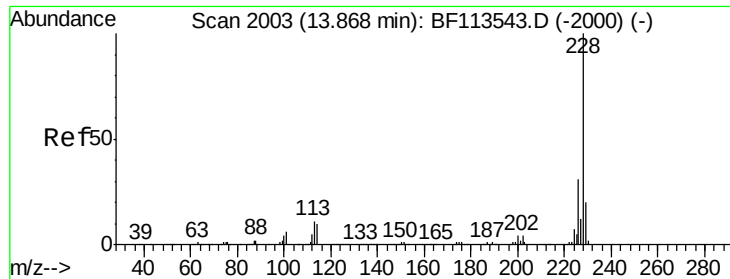
Delta R.T. -0.02 min

Lab File: BF113668.D

Acq: 9 Apr 2019 18:30

Tgt Ion:	228	Resp:	218425
Ion Ratio	Lower	Upper	
228	100		
226	27.0	21.8	32.8
229	20.3	16.2	24.4





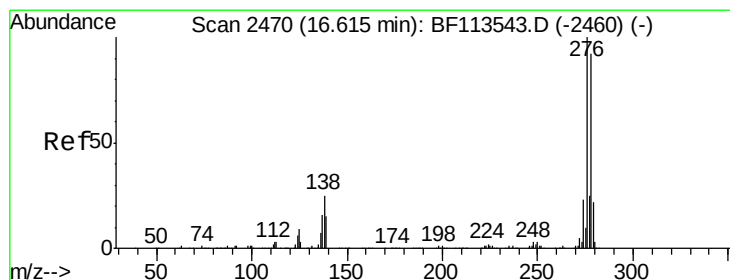
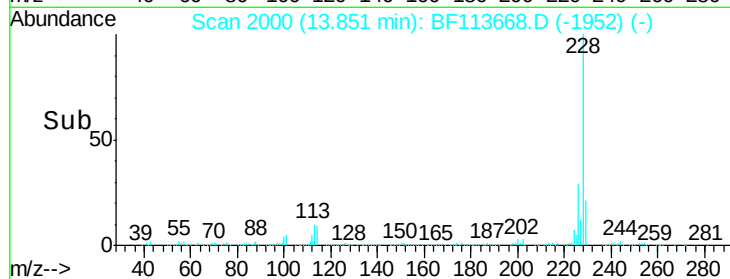
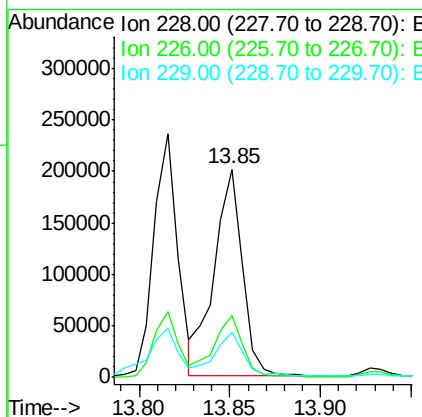
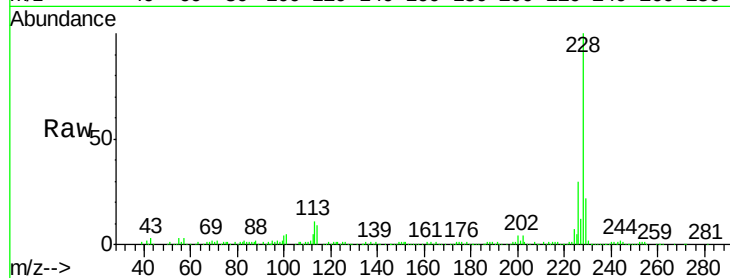
#83
Chrysene
Concen: 11.866 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BF113668.D
Acq: 9 Apr 2019 18:30

Instrument :
BNA_F
ClientSampleId :
P-6(0-10)

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	218322		
226	29.8	24.3	36.5	
229	21.6	16.3	24.5	

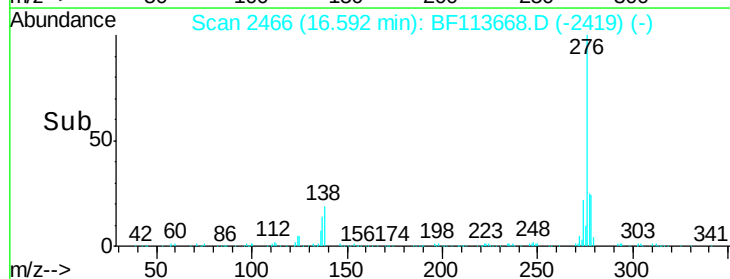
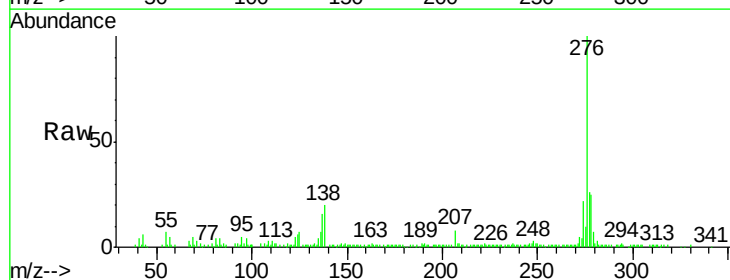
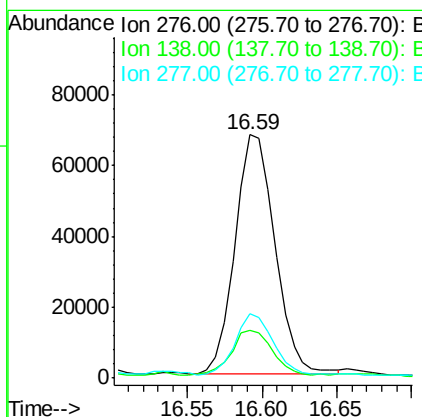
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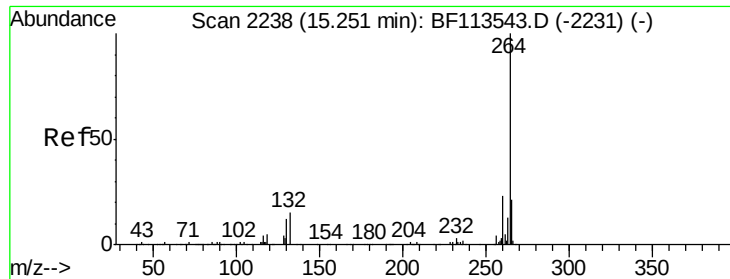
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.395 ng
RT: 16.59 min Scan# 2466
Delta R.T. -0.02 min
Lab File: BF113668.D
Acq: 9 Apr 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	125620		
138	20.1	18.1	27.1	
277	24.0	20.2	30.4	





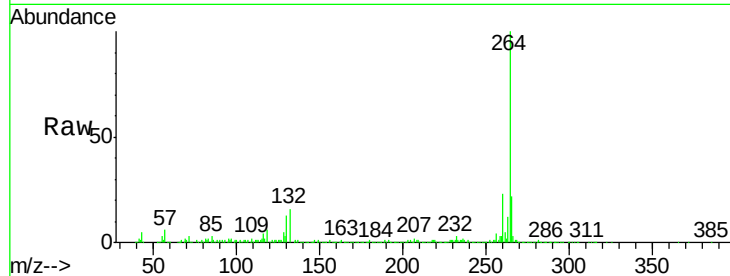
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.02 min
Lab File: BF113668.D
Acq: 9 Apr 2019 18:30

Instrument :
BNA_F
ClientSampled :
P-6(0-10)

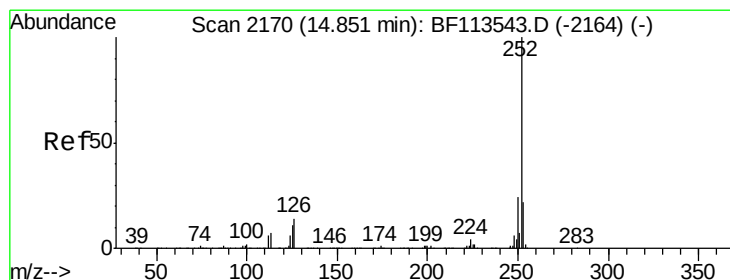
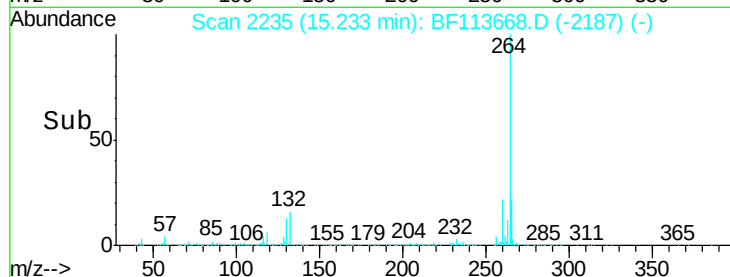
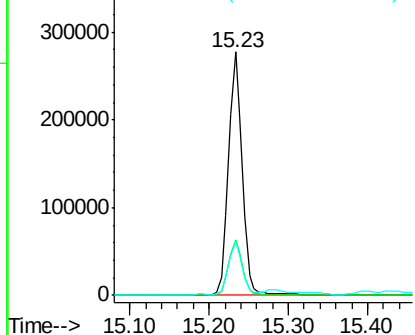
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	332040		
260	22.6	19.1	28.7	
265	22.2	17.1	25.7	

Manual Integrations
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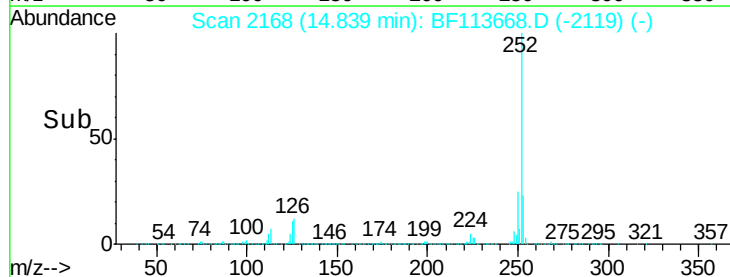
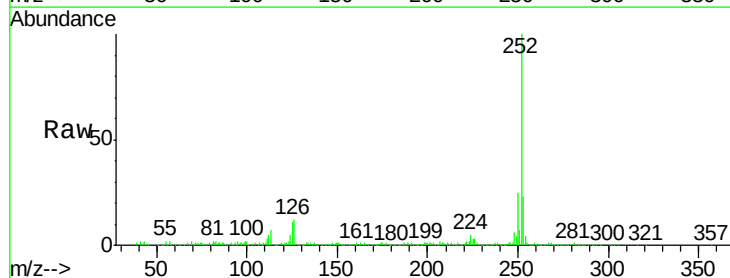
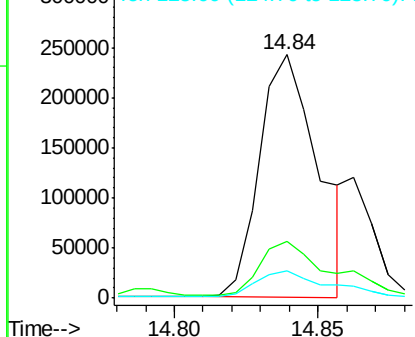
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

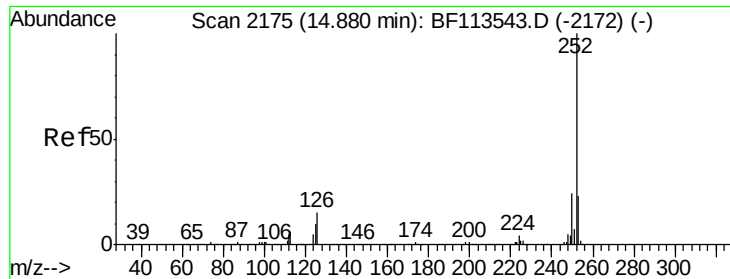


#88
Benzo(b)fluoranthene
Concen: 16.843 ng m
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF113668.D
Acq: 9 Apr 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	342340		
253	23.4	18.0	27.0	
125	11.1	7.6	11.4	

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





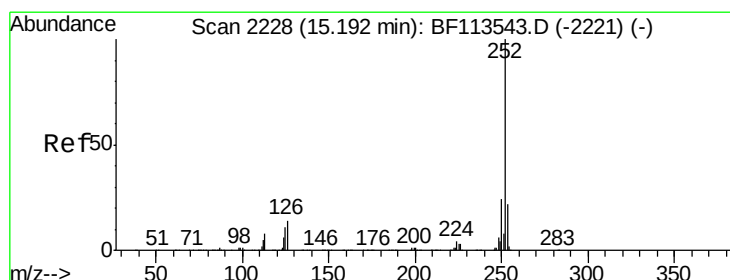
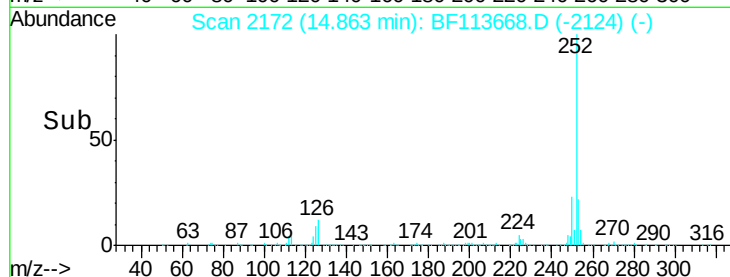
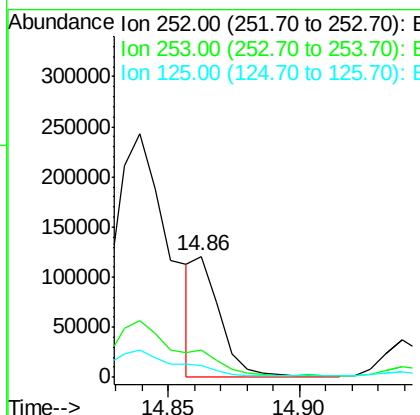
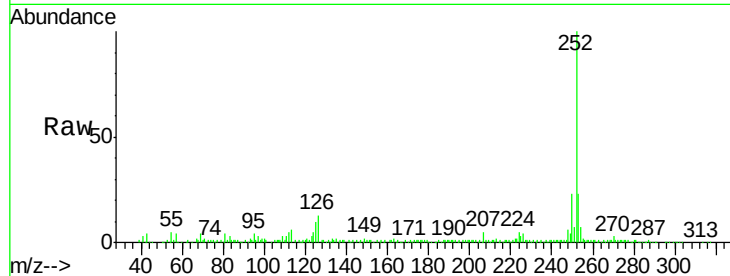
#89
Benzo(k)fluoranthene
Concen: 4.447 ng m
RT: 14.86 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF113668.D
Acq: 9 Apr 2019 18:30

Instrument :
BNA_F
ClientSampled :
P-6(0-10)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	10.1	7.3	10.9

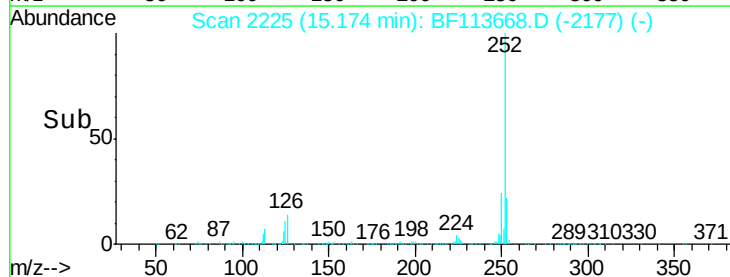
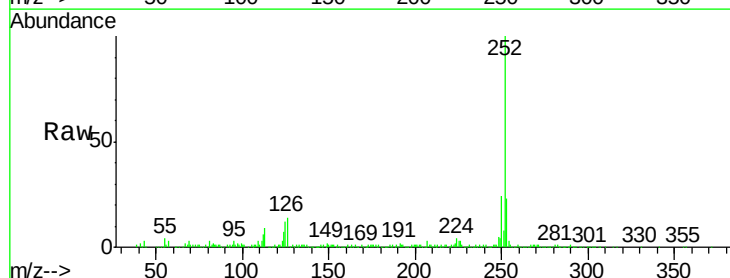
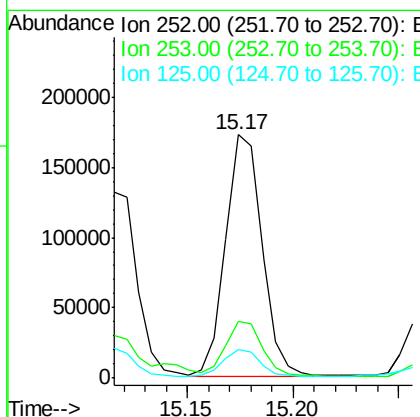
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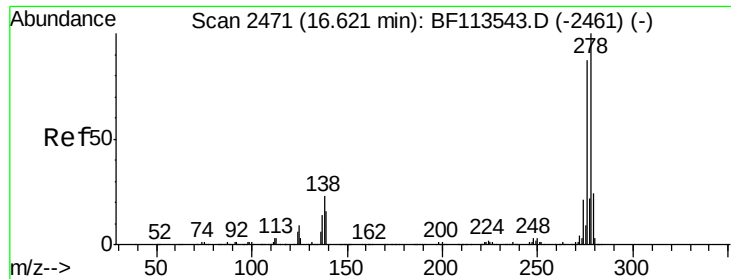
Sohil
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#90
Benzo(a)pyrene
Concen: 11.521 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.02 min
Lab File: BF113668.D
Acq: 9 Apr 2019 18:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	11.9	8.8	13.2





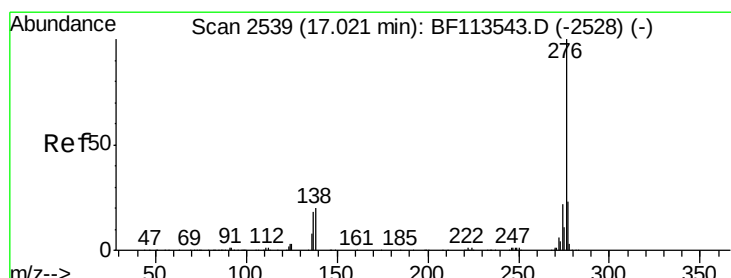
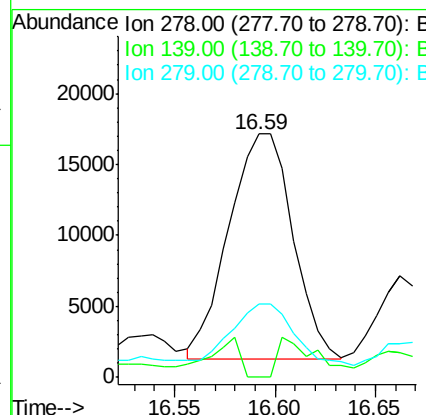
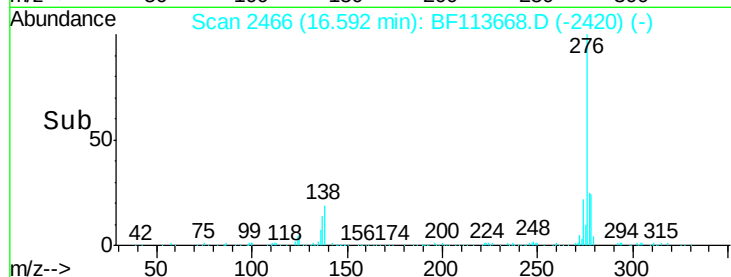
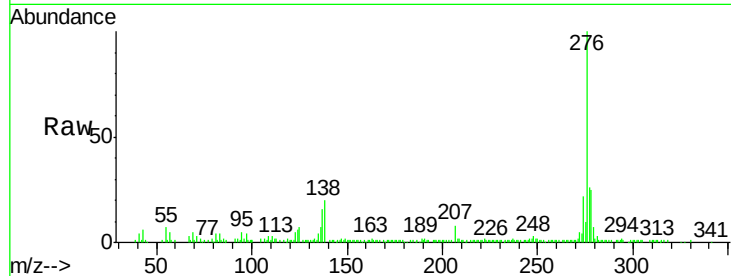
#91
Dibenzo(a,h)anthracene
Concen: 2.083 ng m
RT: 16.59 min Scan# 2466
Delta R.T. -0.03 min
Lab File: BF113668.D
Acq: 9 Apr 2019 18:30

Instrument :
BNA_F
ClientSampled :
P-6(0-10)

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.0	18.0#
279	29.9	19.0	28.6#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 6.733 ng
RT: 17.00 min Scan# 2536
Delta R.T. -0.02 min
Lab File: BF113668.D
Acq: 9 Apr 2019 18:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	21.0	15.6	23.4

