

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040419\
 Data File : BF113599.D
 Acq On : 4 Apr 2019 23:00
 Operator : JU/SJ
 Sample : K2244-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-007-ABCD

Manual Integrations
 APPROVED

Sohil
 4/6/2019 12:39:02 AM

Quant Time: Apr 05 05:30:06 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	134419	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	490941	20.00	ng	0.00
39) Acenaphthene-d10	9.71	164	216095	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	358796	20.00	ng	-0.02
76) Chrysene-d12	13.82	240	313546	20.00	ng	-0.02
87) Perylene-d12	15.23	264	229934	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	838477	106.37	ng	0.00
7) Phenol-d6	6.33	99	1096938	112.91	ng	-0.01
23) Nitrobenzene-d5	7.25	82	650190	77.58	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	251800	97.00	ng	-0.02
45) 2-Fluorobiphenyl	9.04	172	1102191	82.11	ng	-0.01
79) Terphenyl-d14	12.77	244	930746	60.44	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.43	163	106144	6.664	ng	Qvalue # 97
71) Phenanthrene	11.21	178	224499	12.592	ng	98
72) Anthracene	11.26	178	57510	3.170	ng	97
75) Fluoranthene	12.40	202	393632	20.604	ng	99
78) Pyrene	12.63	202	388298	16.276	ng	99
81) Benzo(a)anthracene	13.81	228	216059	11.946	ng	99
83) Chrysene	13.84	228	183827	10.026	ng	96
84) Bis(2-ethylhexyl)phthalate	13.80	149	49978	4.256	ng	# 96
86) Indeno(1,2,3-cd)pyrene	16.58	276	79836	4.716	ng	97
88) Benzo(b)fluoranthene	14.83	252	192803m	13.698	ng	
89) Benzo(k)fluoranthene	14.86	252	76626m	6.066	ng	
90) Benzo(a)pyrene	15.17	252	139217	11.131	ng	# 89
91) Dibenzo(a,h)anthracene	16.58	278	23967	2.049	ng	# 68
92) Benzo(g,h,i)perylene	16.99	276	84278	7.060	ng	95

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

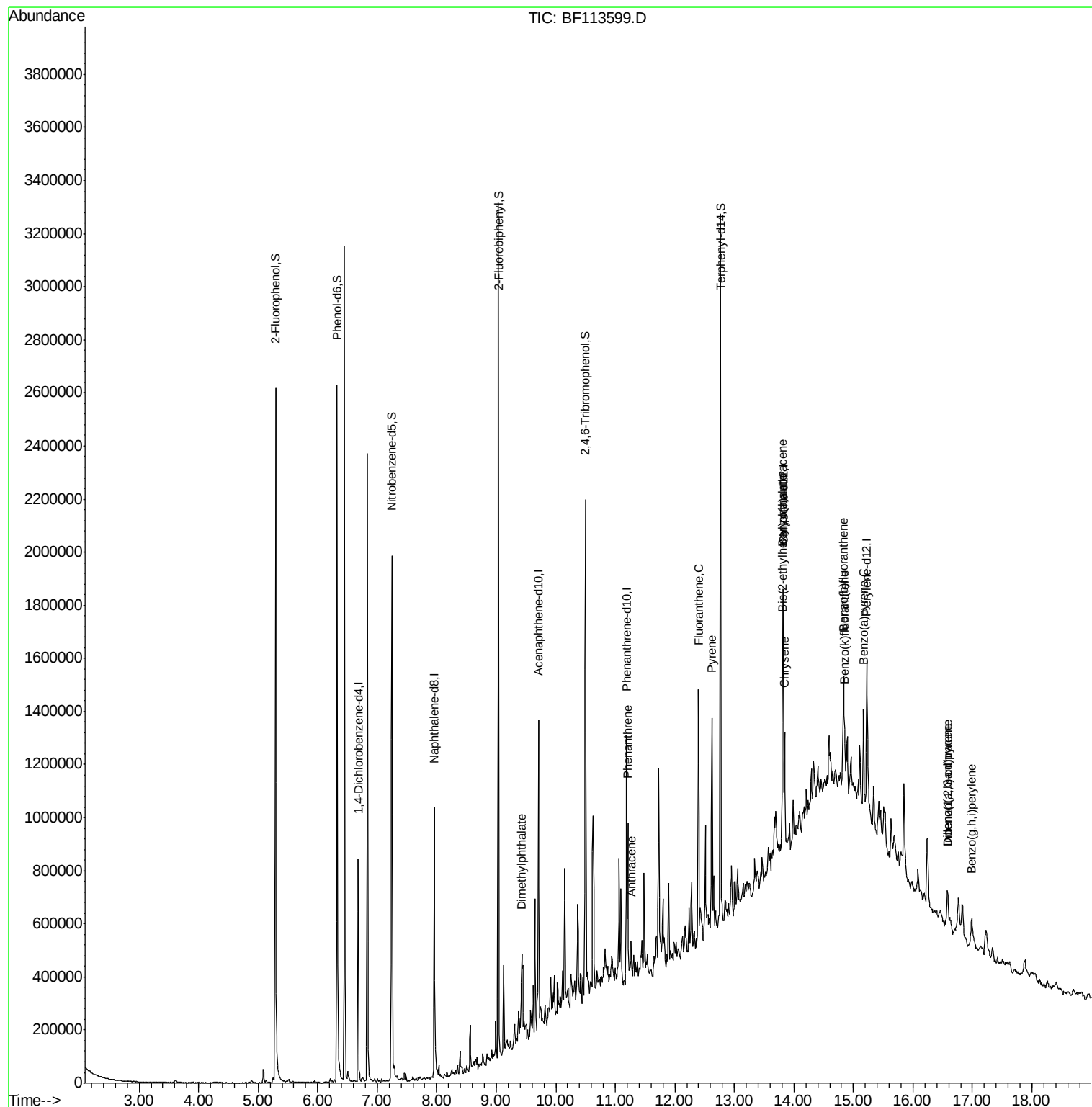
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040419\
Data File : BF113599.D
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Operator : JU/SJ
Sample : K2244-01
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ALS Vial : 13 Sample Multiplier: 1

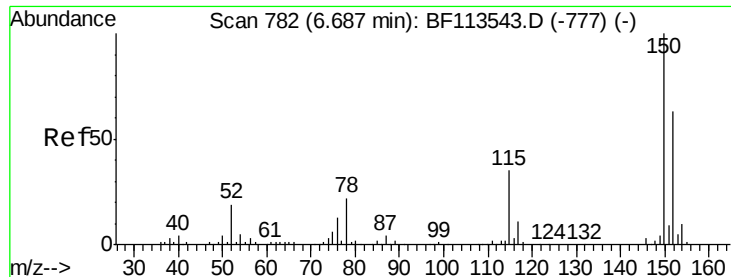
Instrument :
BNA_F
ClientSampleId :
FK-EF-01-007-ABCD

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
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#1

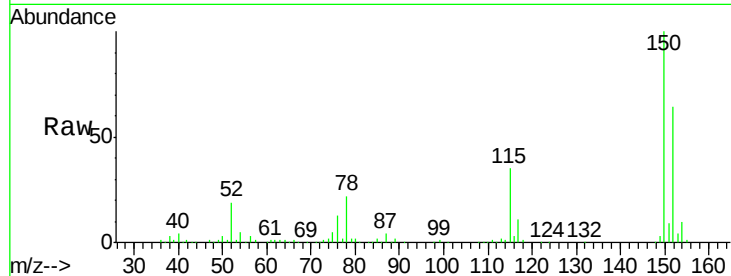
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.01 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-007-ABCD

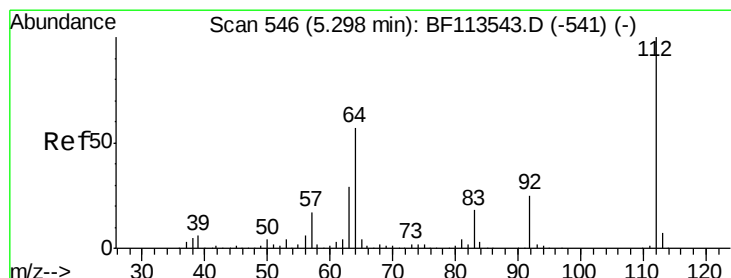
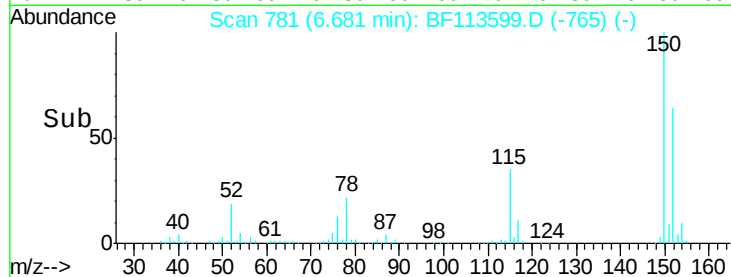
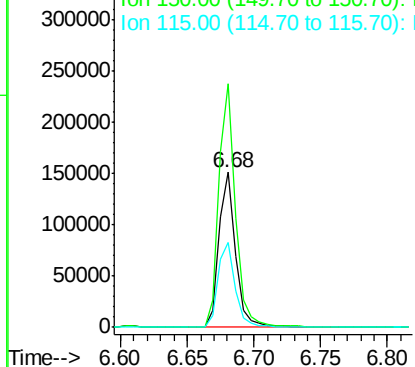
Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.7	187.1
115	55.1	46.0	69.0

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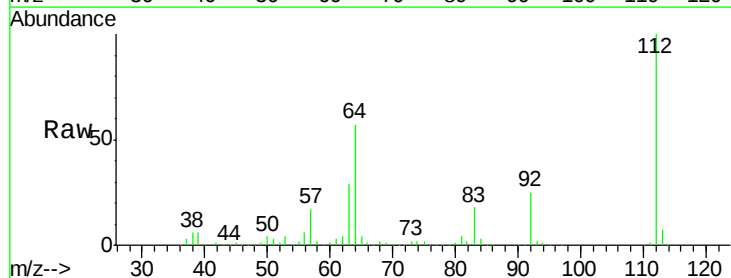
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



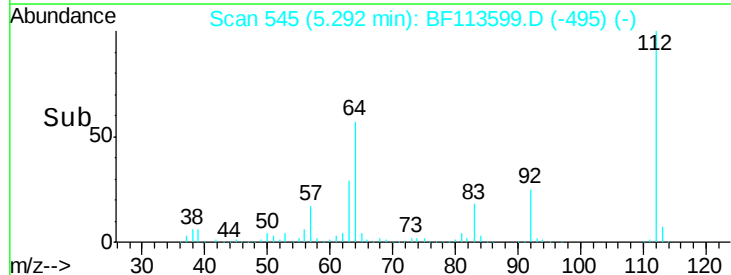
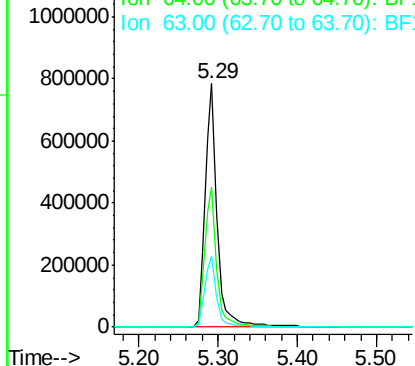
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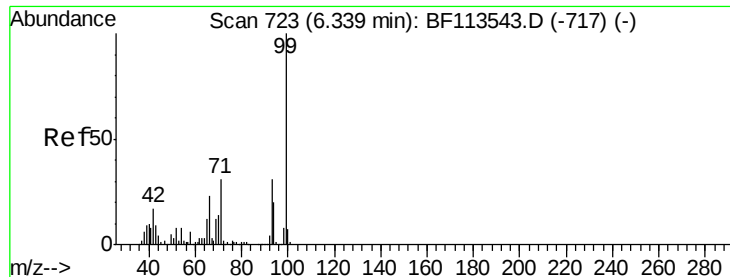
2-Fluorophenol
Concen: 106.369 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	49.2	73.8
63	28.9	24.9	37.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 112.906 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113599.D

Acq: 4 Apr 2019 23:00

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-007-ABCD

Tgt Ion: 99 Resp: 1096938

Ion Ratio Lower Upper

99 100

42 18.4 14.8 22.2

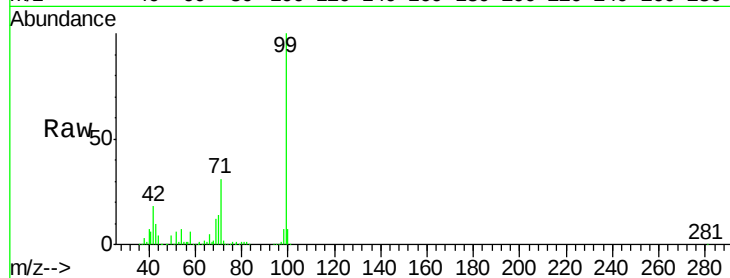
71 31.5 24.9 37.3

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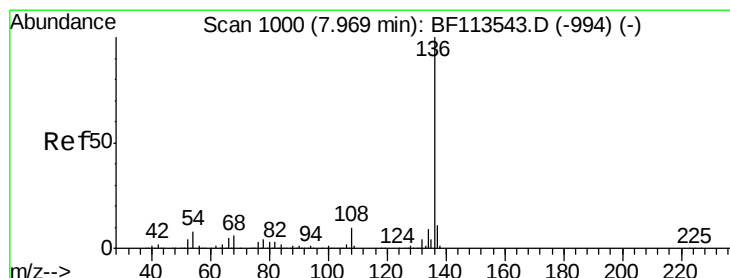
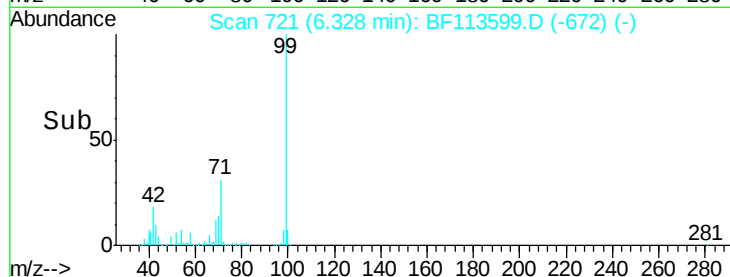
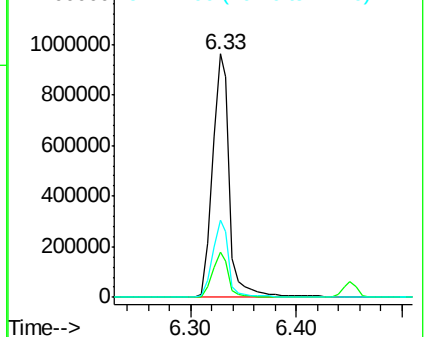
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: BF113599.D

Acq: 4 Apr 2019 23:00

Tgt Ion: 136 Resp: 490941

Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.3 7.0 10.6

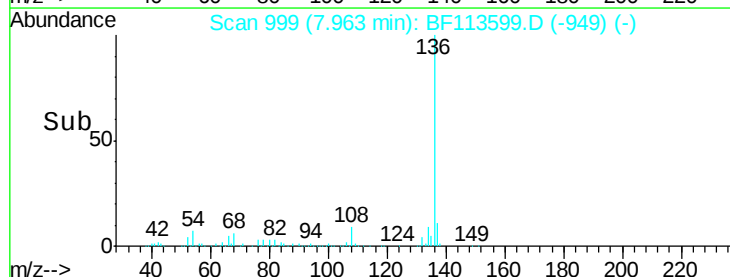
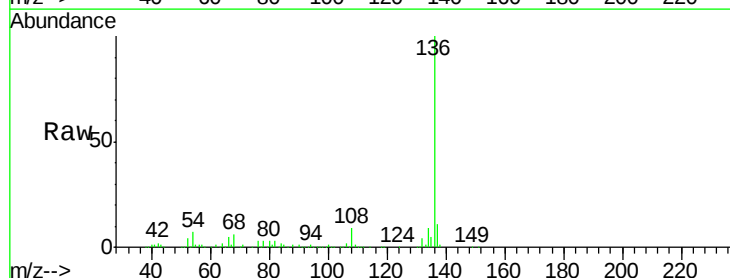
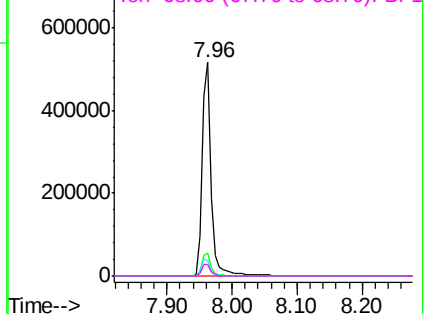
68 5.7 4.8 7.2

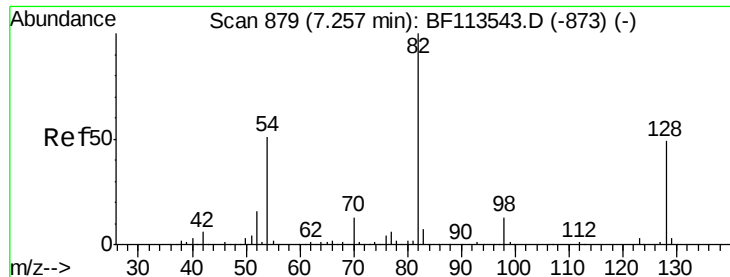
Abundance Ion 136.00 (135.70 to 136.70): E

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





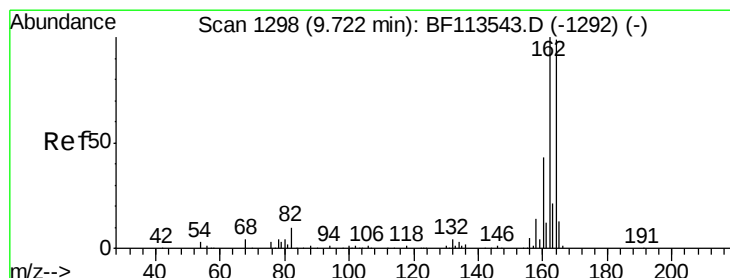
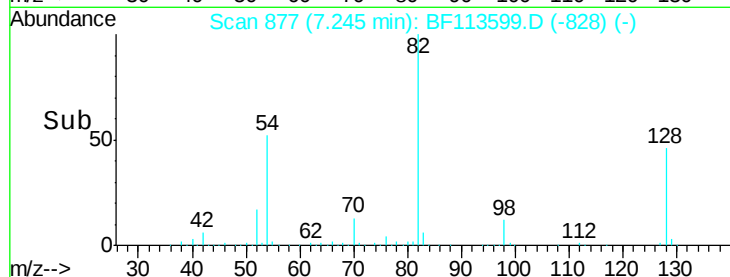
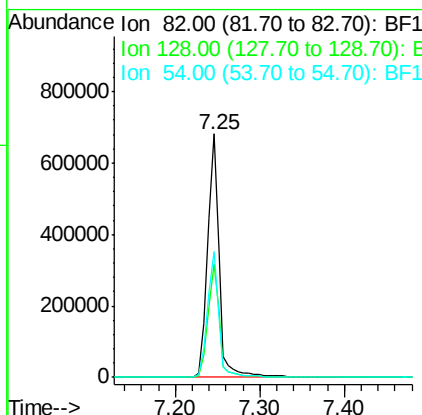
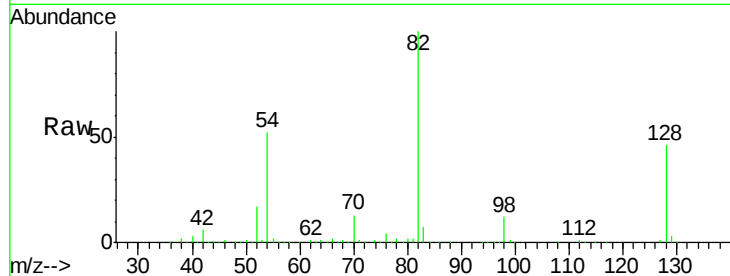
#23
Nitrobenzene-d5
Concen: 77.576 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-007-ABCD

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	650190		
128	46.5	36.5	54.7	
54	51.7	42.2	63.2	

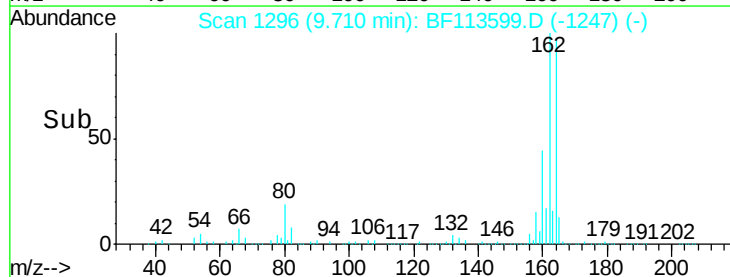
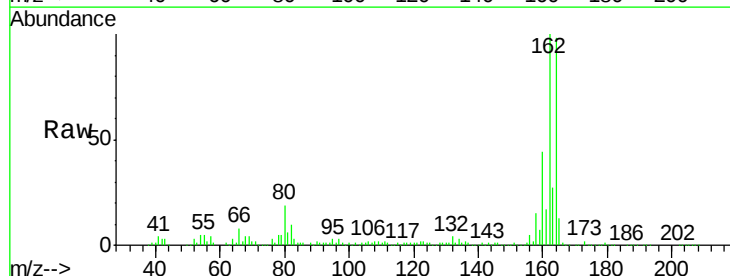
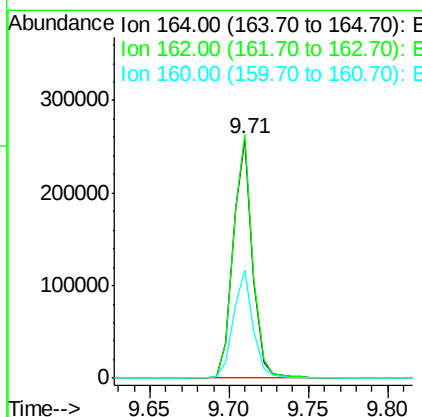
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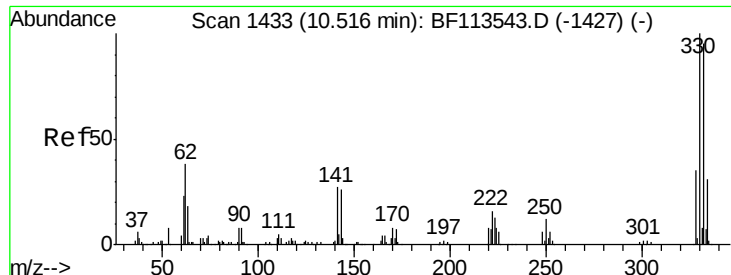
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	216095		
162	101.9	81.8	122.6	
160	45.2	36.4	54.6	





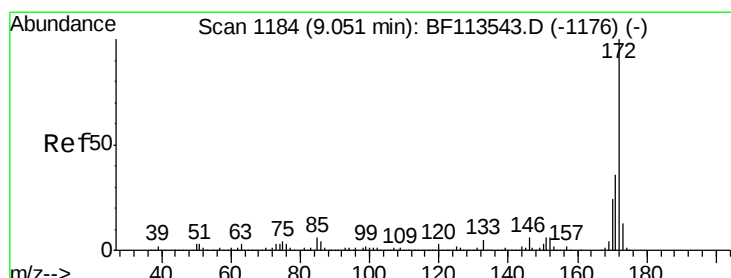
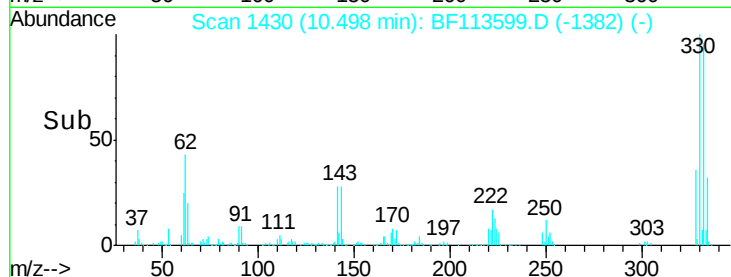
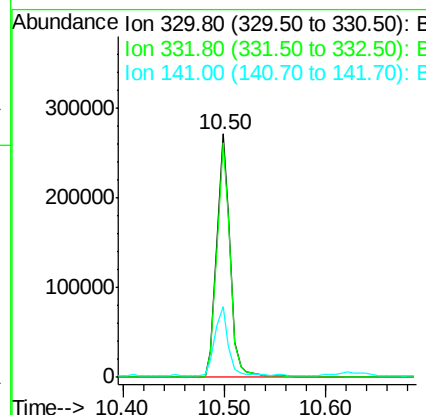
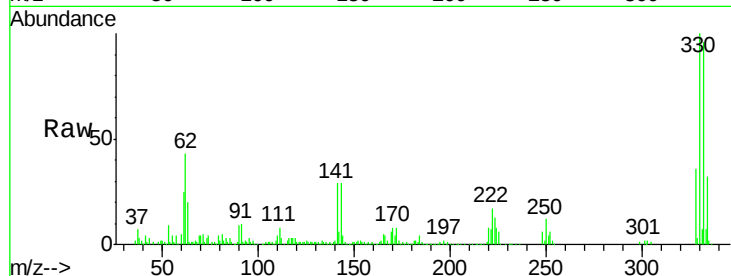
#42
 2,4,6-Tribromophenol
 Concen: 97.002 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113599.D
 Acq: 4 Apr 2019 23:00

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-007-ABCD

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.8	116.6
141	27.7	22.7	34.1

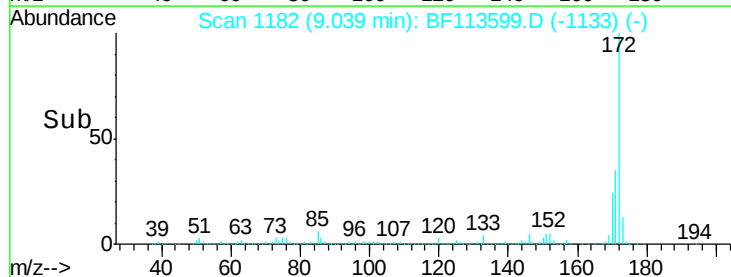
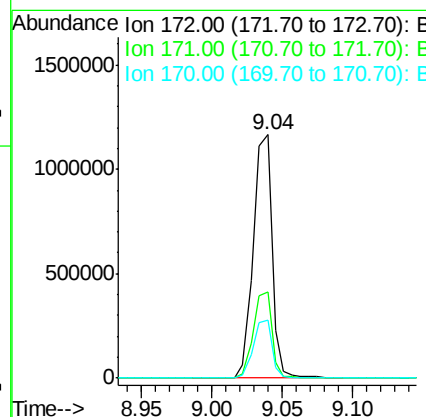
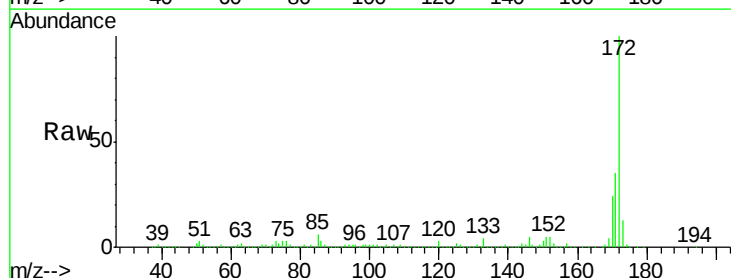
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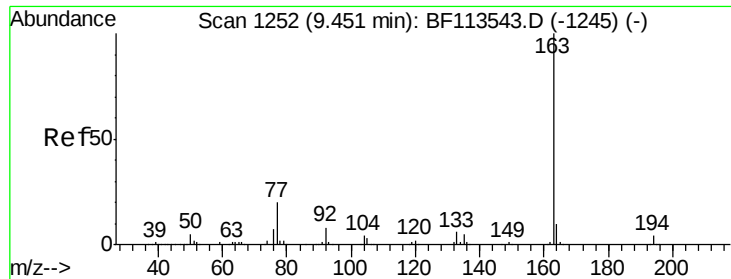
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#45
 2-Fluorobiphenyl
 Concen: 82.112 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF113599.D
 Acq: 4 Apr 2019 23:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.0	43.6
170	23.8	19.5	29.3





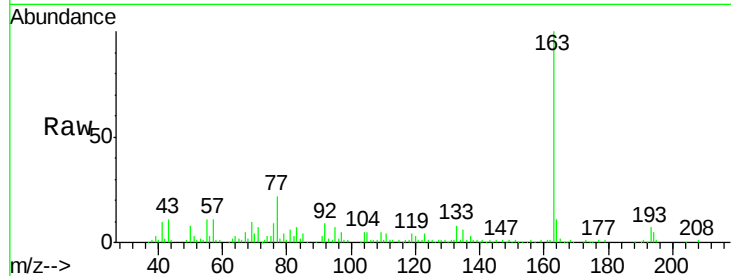
#50
Dimethylphthalate
Concen: 6.664 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-007-ABCD

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	106144		
194	5.0	3.0	4.6#	
164	11.3	8.1	12.1	

Manual Integrations
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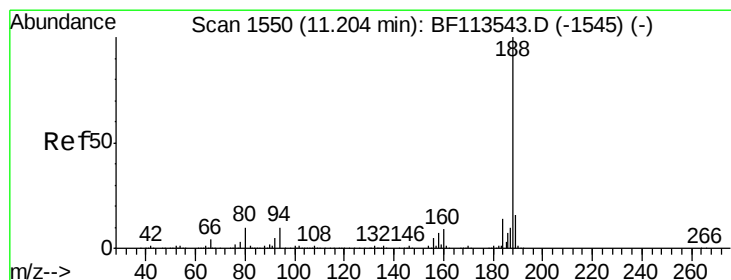
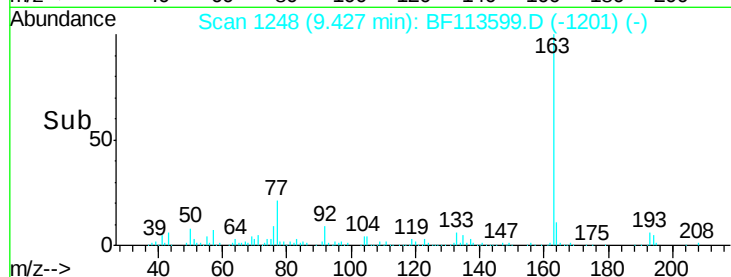
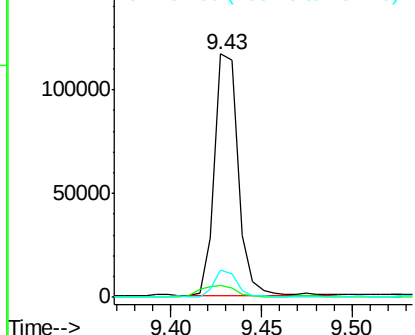


Abundance

Ion 163.00 (162.70 to 163.70): E

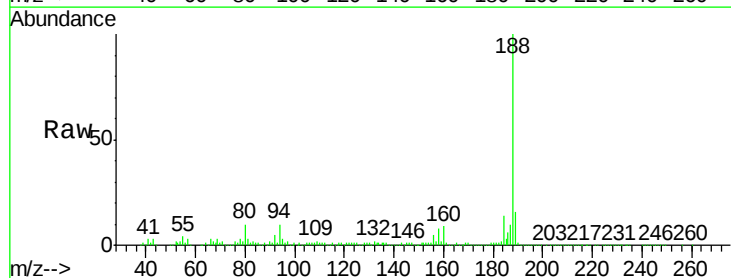
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	358796		
94	10.2	7.0	10.6	
80	10.3	7.7	11.5	

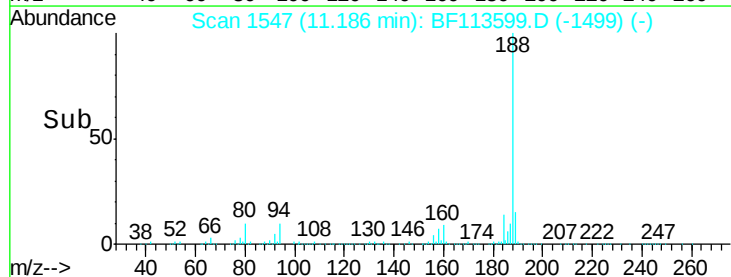
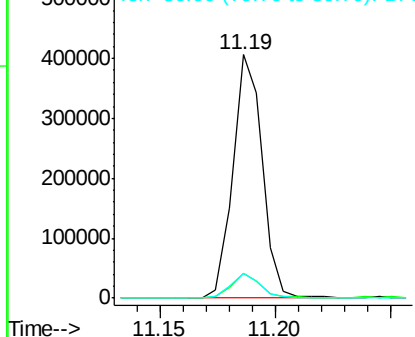


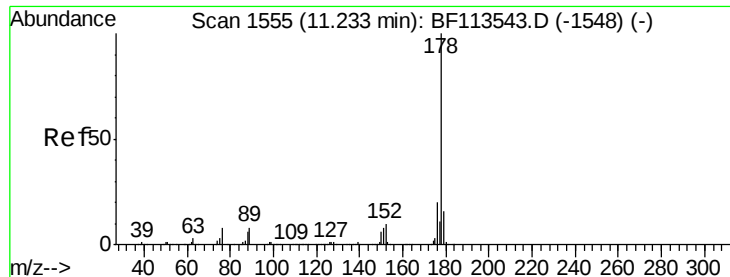
Abundance

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





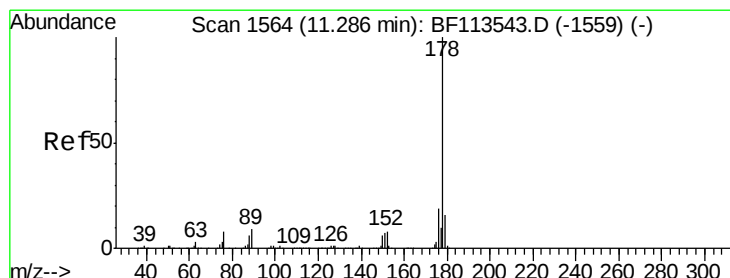
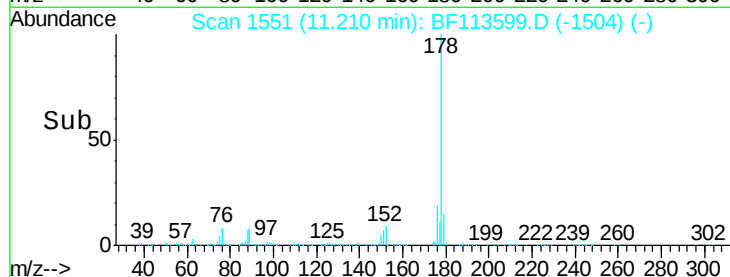
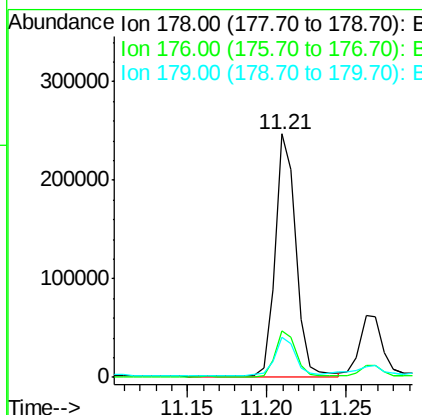
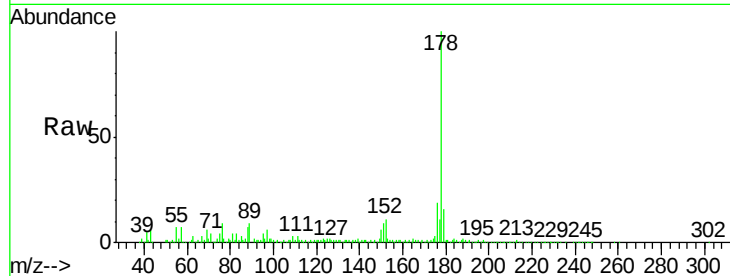
#71
Phenanthrene
Concen: 12.592 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-007-ABCD

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.2
179	16.4	12.7	19.1

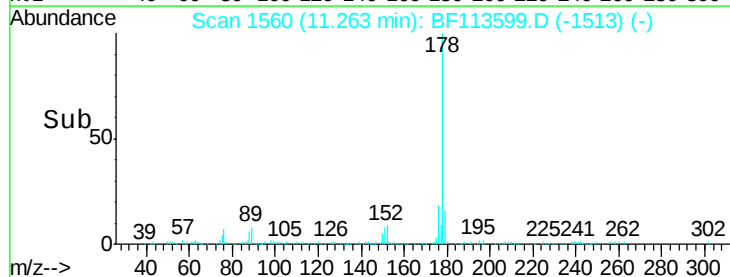
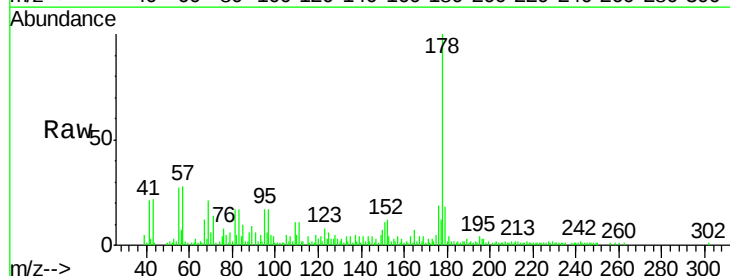
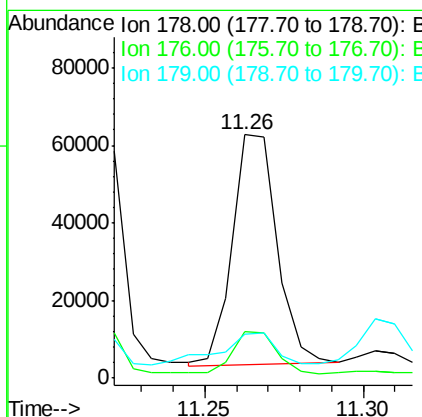
Manual Integrations
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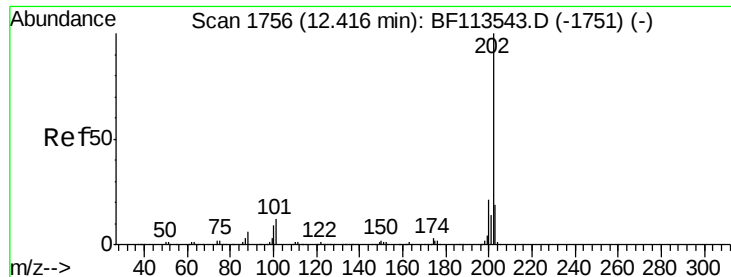
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#72
Anthracene
Concen: 3.170 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.02 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	18.2	12.8	19.2





#75

Fluoranthene

Concen: 20.604 ng

RT: 12.40 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF113599.D

Acq: 4 Apr 2019 23:00

Instrument :

BNA_F

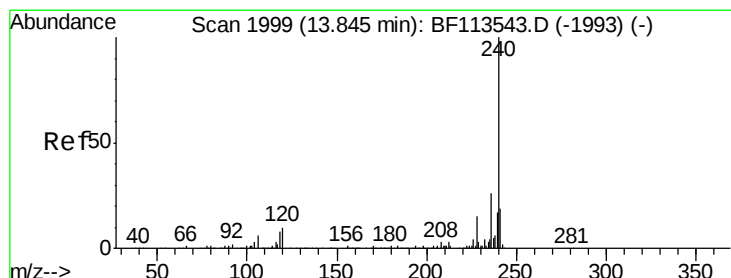
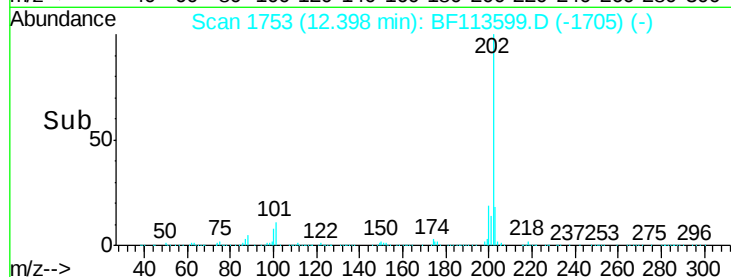
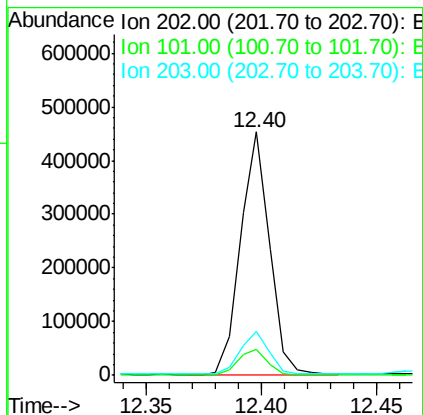
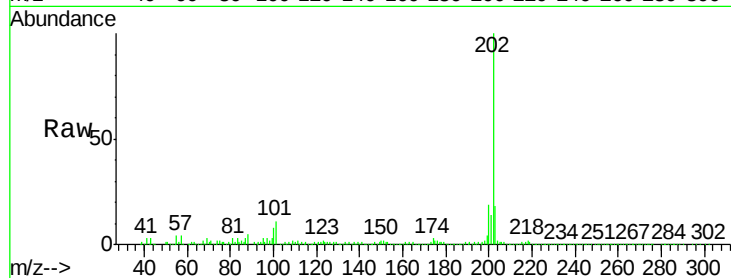
ClientSampleId :

FK-EF-01-007-ABCD

Tgt Ion:	202	Resp:	393632
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	31.4
203	17.9	0.0	38.0

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#76

Chrysene-d12

Concen: 20.000 ng

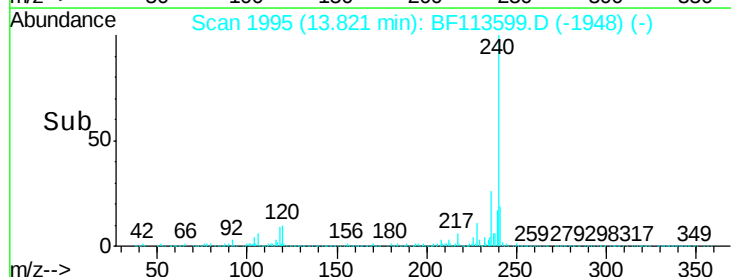
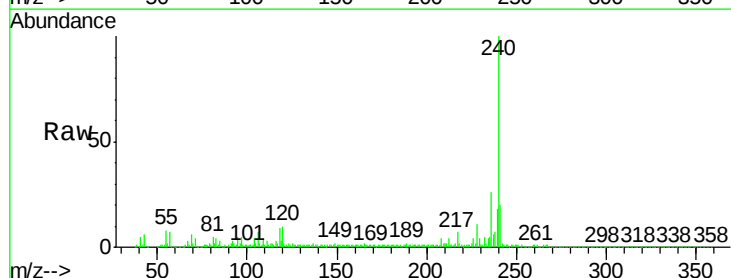
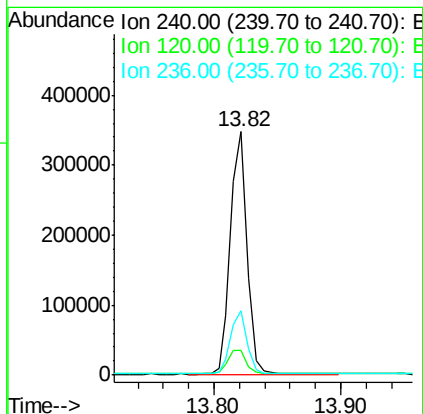
RT: 13.82 min Scan# 1995

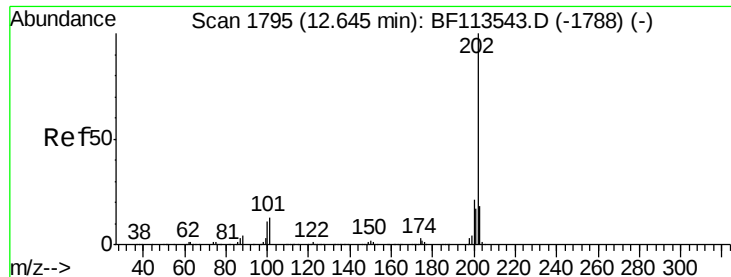
Delta R.T. -0.02 min

Lab File: BF113599.D

Acq: 4 Apr 2019 23:00

Tgt Ion:	240	Resp:	313546
Ion Ratio	Lower	Upper	
240	100		
120	10.3	8.8	13.2
236	26.2	20.9	31.3





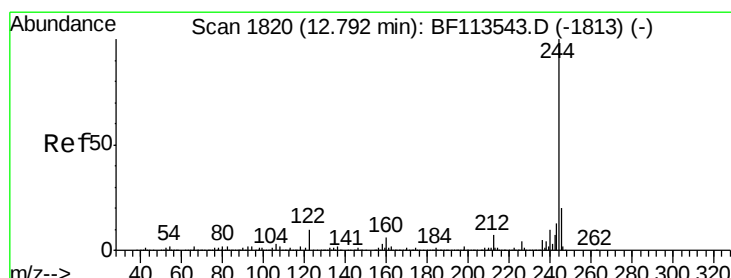
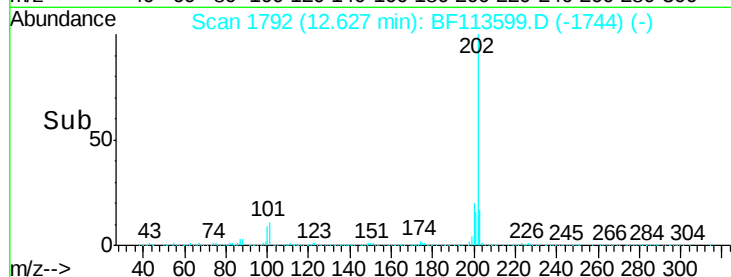
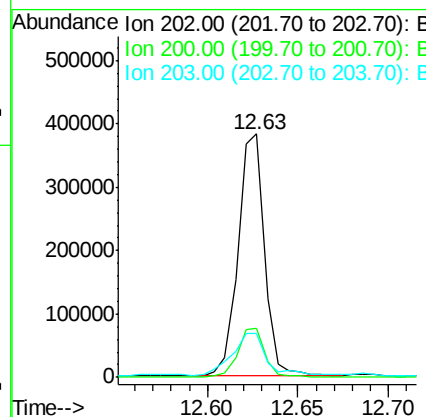
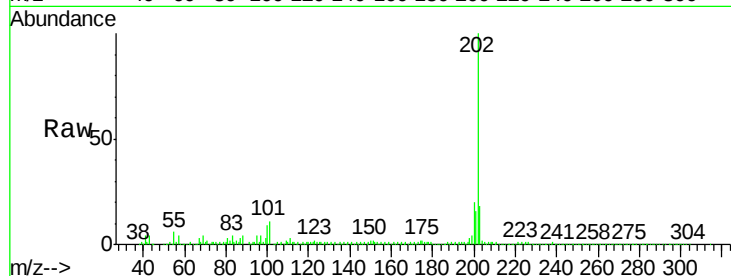
#78
Pyrene
Concen: 16.276 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.02 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-007-ABCD

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.1	16.8	25.2
203	17.8	14.4	21.6

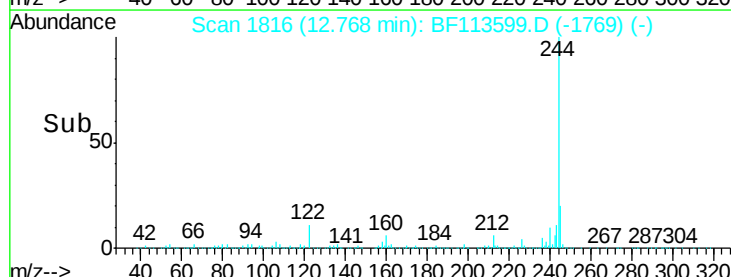
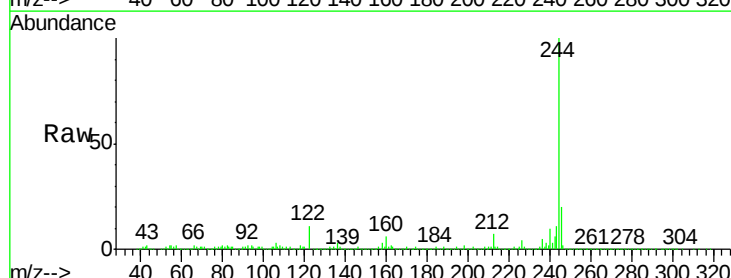
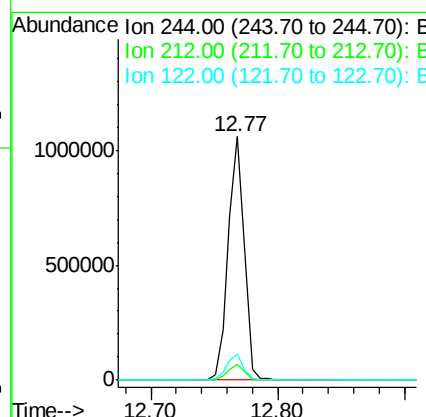
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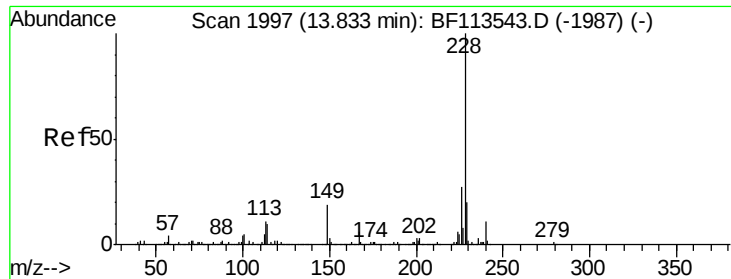
Sohil
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#79
Terphenyl-d14
Concen: 60.438 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.6	5.5	8.3
122	10.8	8.6	13.0





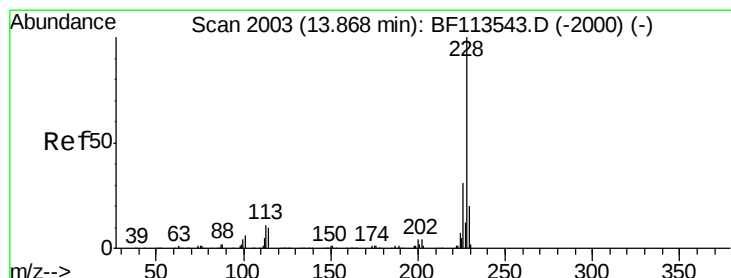
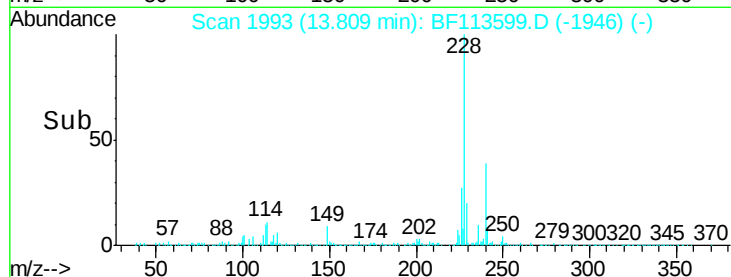
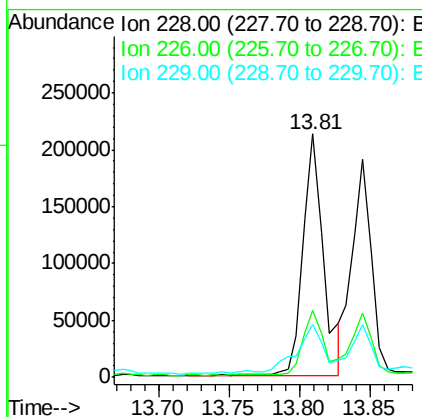
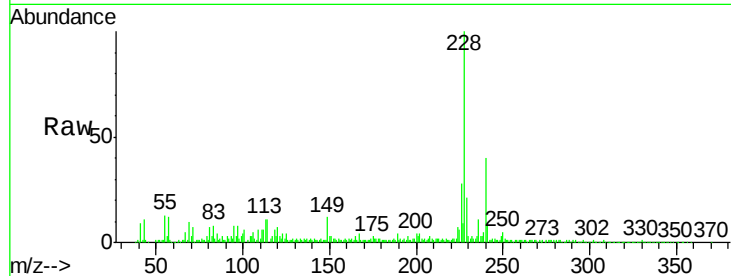
#81
Benzo(a)anthracene
Concen: 11.946 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.02 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-007-ABCD

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.8
229	21.5	16.2	24.4

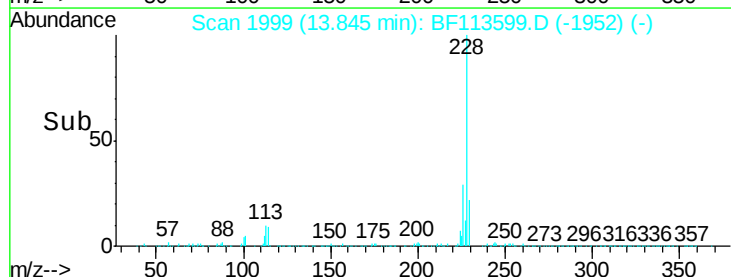
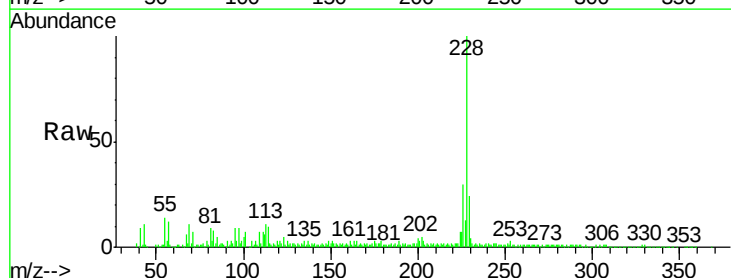
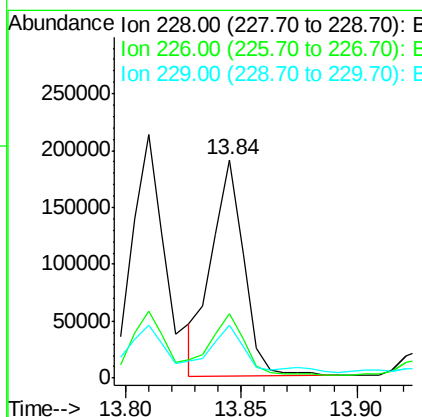
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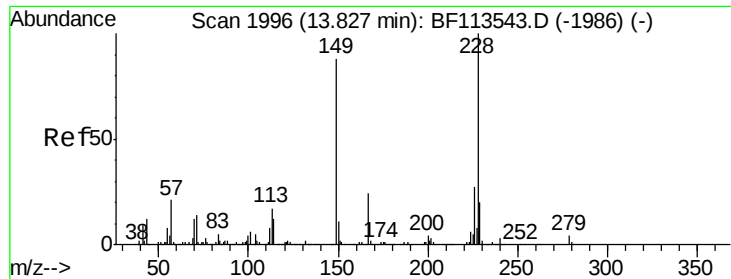
Sohil
4/6/2019 12:39:02 AM



#83
Chrysene
Concen: 10.026 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.02 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.3	36.5
229	24.1	16.3	24.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.256 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BF113599.D

Acq: 4 Apr 2019 23:00

Instrument :

BNA_F

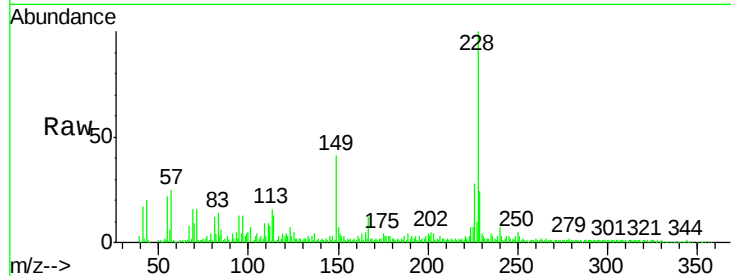
ClientSampleId :

FK-EF-01-007-ABCD

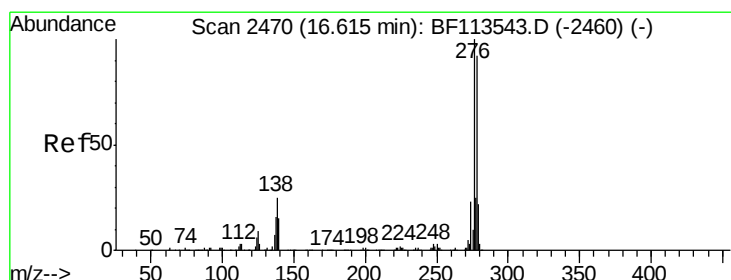
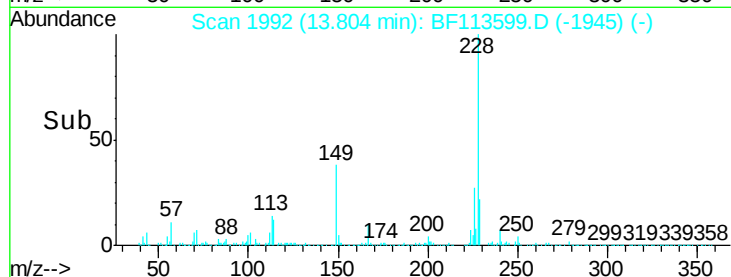
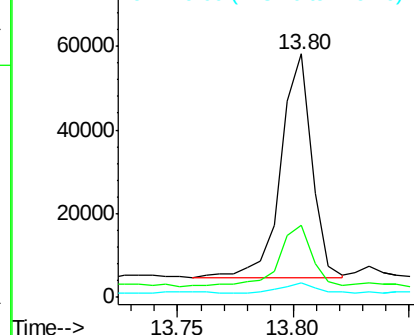
Tgt Ion:	149	Resp:	49978
Ion Ratio	Lower	Upper	
149	100		
167	29.5	21.8	32.8
279	6.0	2.9	4.3#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.716 ng

RT: 16.58 min Scan# 2464

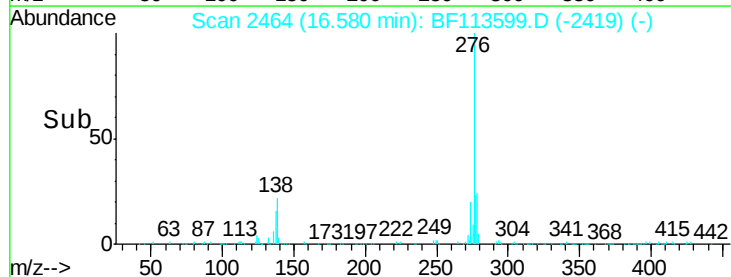
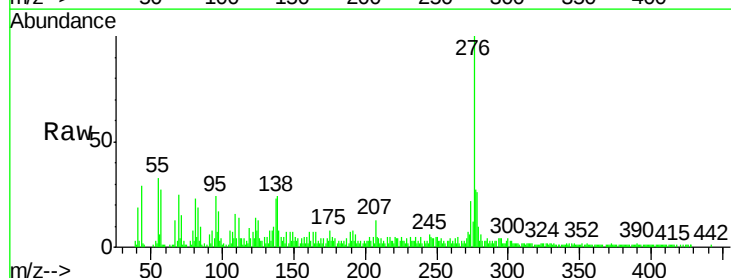
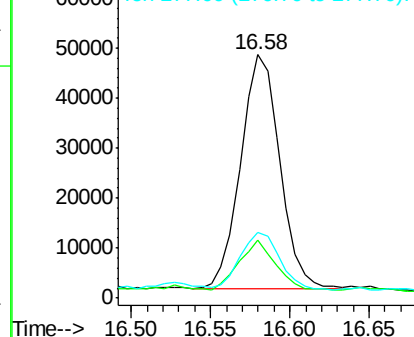
Delta R.T. -0.04 min

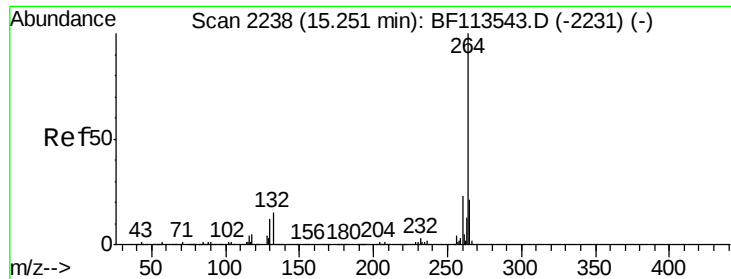
Lab File: BF113599.D

Acq: 4 Apr 2019 23:00

Tgt Ion:	276	Resp:	79836
Ion Ratio	Lower	Upper	
276	100		
138	20.2	18.1	27.1
277	25.1	20.2	30.4

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





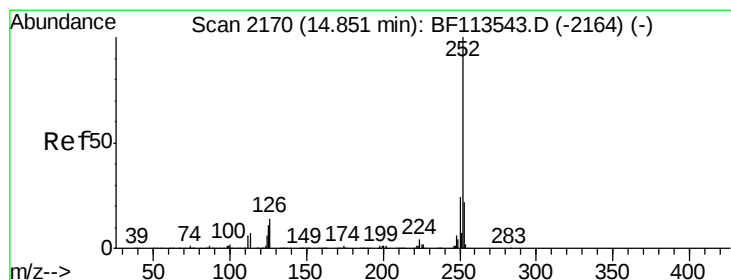
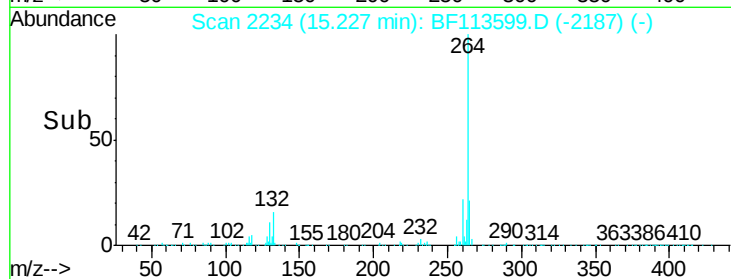
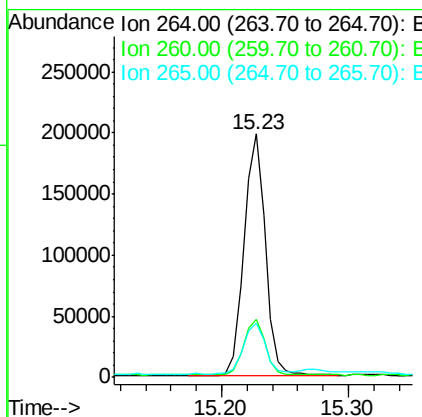
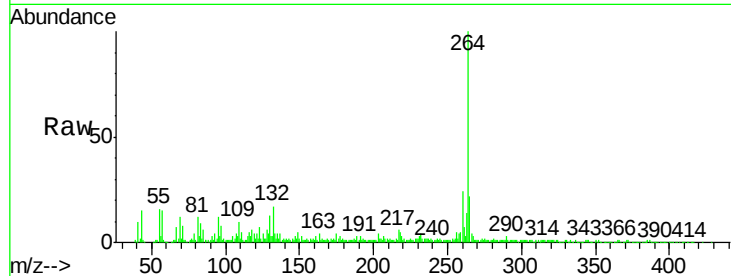
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.02 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-007-ABCD

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	22.3	17.1	25.7

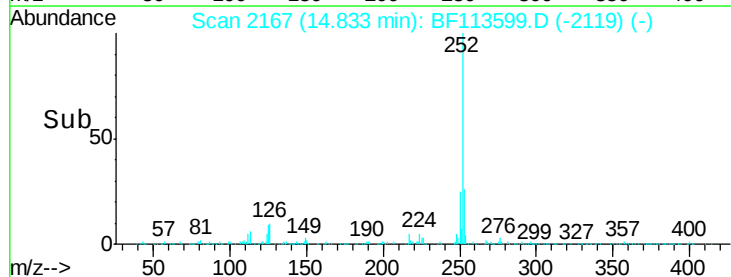
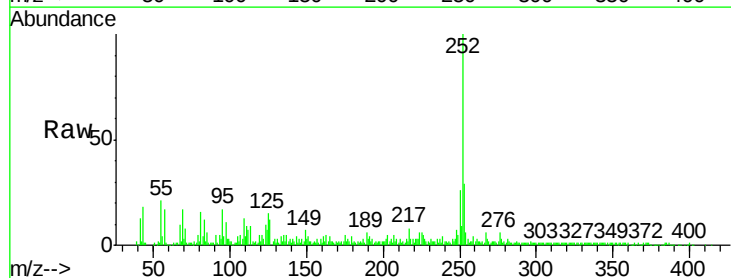
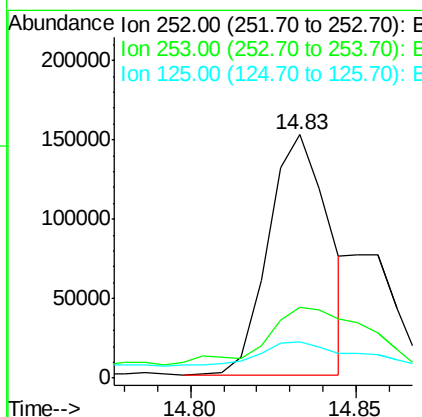
Manual Integrations
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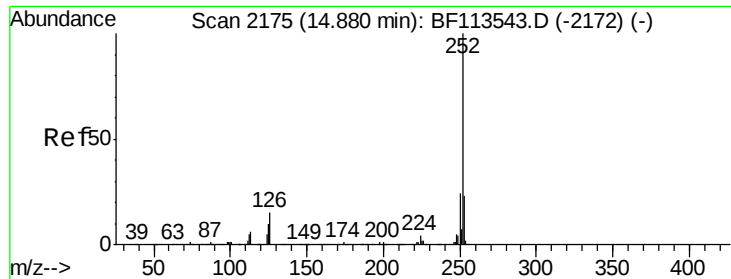
Sohil
4/6/2019 12:39:02 AM



#88
Benzo(b)fluoranthene
Concen: 13.698 ng m
RT: 14.83 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.3	18.0	27.0#
125	14.9	7.6	11.4#





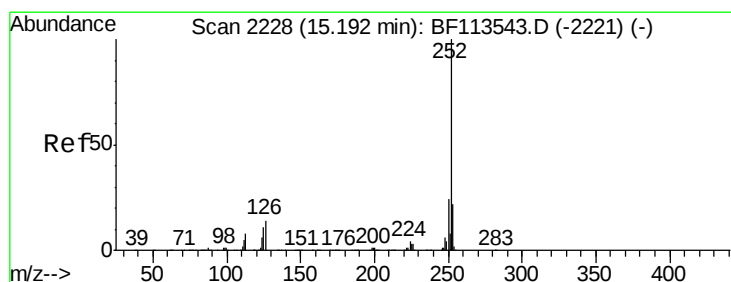
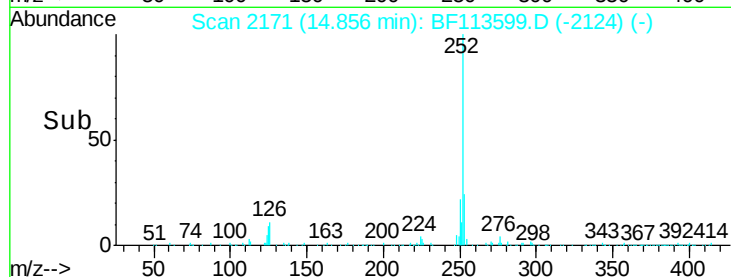
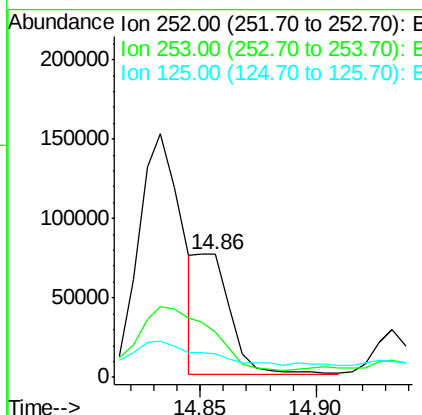
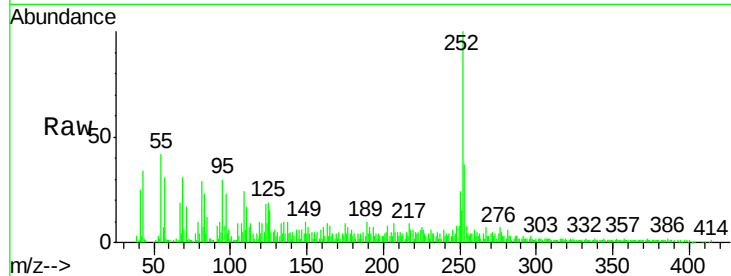
#89
Benzo(k)fluoranthene
Concen: 6.066 ng m
RT: 14.86 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-007-ABCD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.0	17.7	26.5#
125	19.2	7.3	10.9#

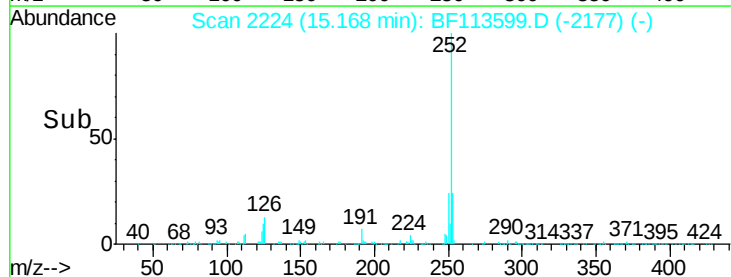
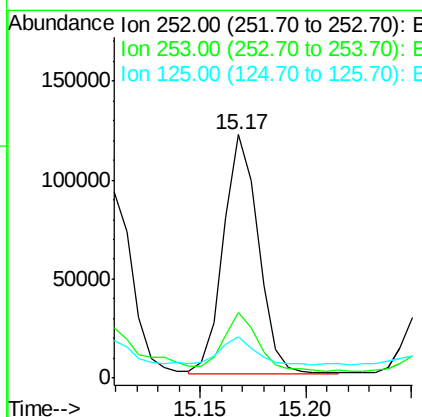
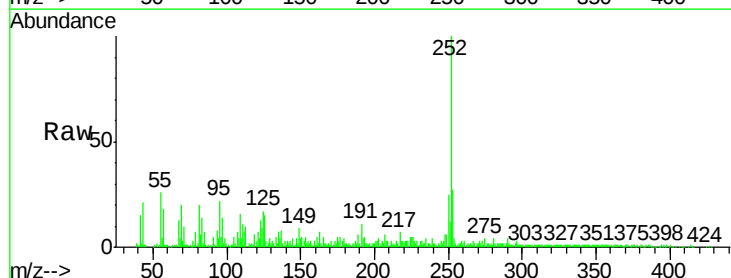
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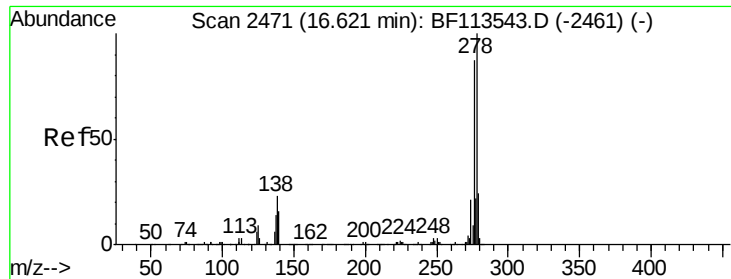
Sohil
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#90
Benzo(a)pyrene
Concen: 11.131 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.9	26.9
125	16.8	8.8	13.2#





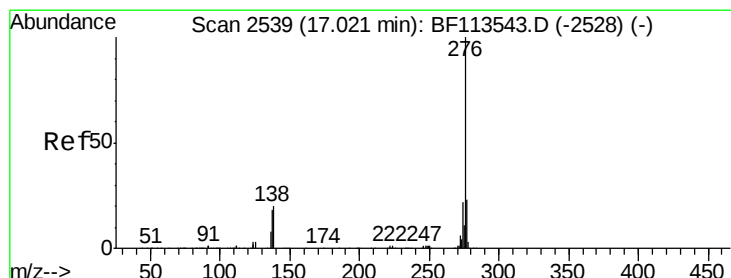
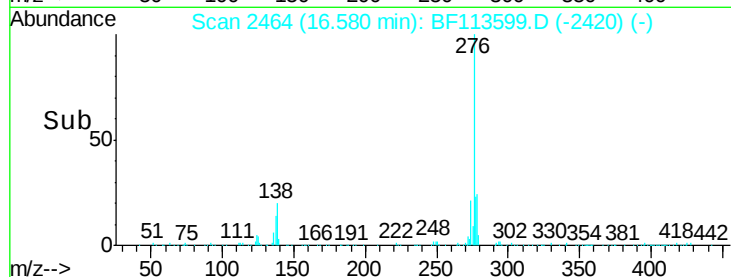
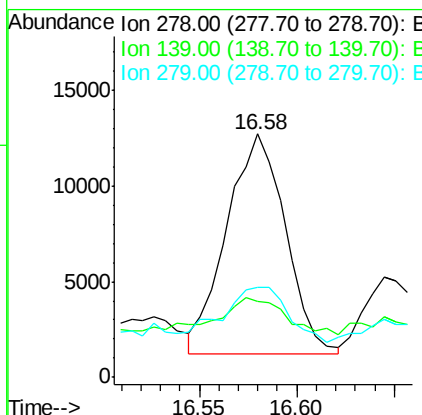
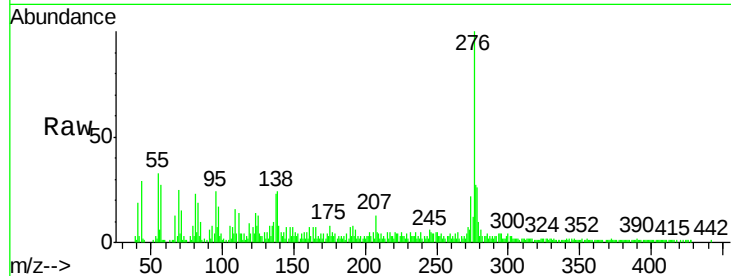
#91
Dibenzo(a,h)anthracene
Concen: 2.049 ng
RT: 16.58 min Scan# 2464
Delta R.T. -0.04 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-007-ABCD

Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.4	12.0	18.0#
279	36.8	19.0	28.6#

Manual Integrations
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4/6/2019 12:39:02 AM



#92
Benzo(g,h,i)perylene
Concen: 7.060 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.04 min
Lab File: BF113599.D
Acq: 4 Apr 2019 23:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.8	28.2
138	22.3	15.6	23.4

