

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
 Data File : BF114033.D
 Acq On : 29 Apr 2019 19:54
 Operator : JU/SJ
 Sample : K2601-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-008-ABCD

Manual Integrations
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 4/30/2019 6:42:30 PM

Quant Time: Apr 30 10:38:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	124223	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	464854	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	221363	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	390435	20.00	ng	0.00
76) Chrysene-d12	14.05	240	312140	20.00	ng	-0.02
87) Perylene-d12	15.54	264	308975	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	391842	53.95	ng	0.00
7) Phenol-d6	6.52	99	542573	59.54	ng	0.00
23) Nitrobenzene-d5	7.45	82	311153	41.33	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	173581	64.37	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	675972	47.76	ng	-0.01
79) Terphenyl-d14	13.00	244	829901	54.51	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.43	178	78933	4.023	ng	98
75) Fluoranthene	12.63	202	178935	8.358	ng	94
78) Pyrene	12.85	202	179664	8.231	ng	99
81) Benzo(a)anthracene	14.04	228	107588	5.850	ng	97
83) Chrysene	14.08	228	96198	5.371	ng	98
84) Bis(2-ethylhexyl)phthalate	14.03	149	34807	3.185	ng	93
86) Indeno(1,2,3-cd)pyrene	17.03	276	40367	2.379	ng	96
88) Benzo(b)fluoranthene	15.11	252	118892m	6.082	ng	
89) Benzo(k)fluoranthene	15.13	252	36961m	2.198	ng	
90) Benzo(a)pyrene	15.48	252	82852	4.900	ng	# 74
92) Benzo(g,h,i)perylene	17.47	276	37837	2.362	ng	# 89

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

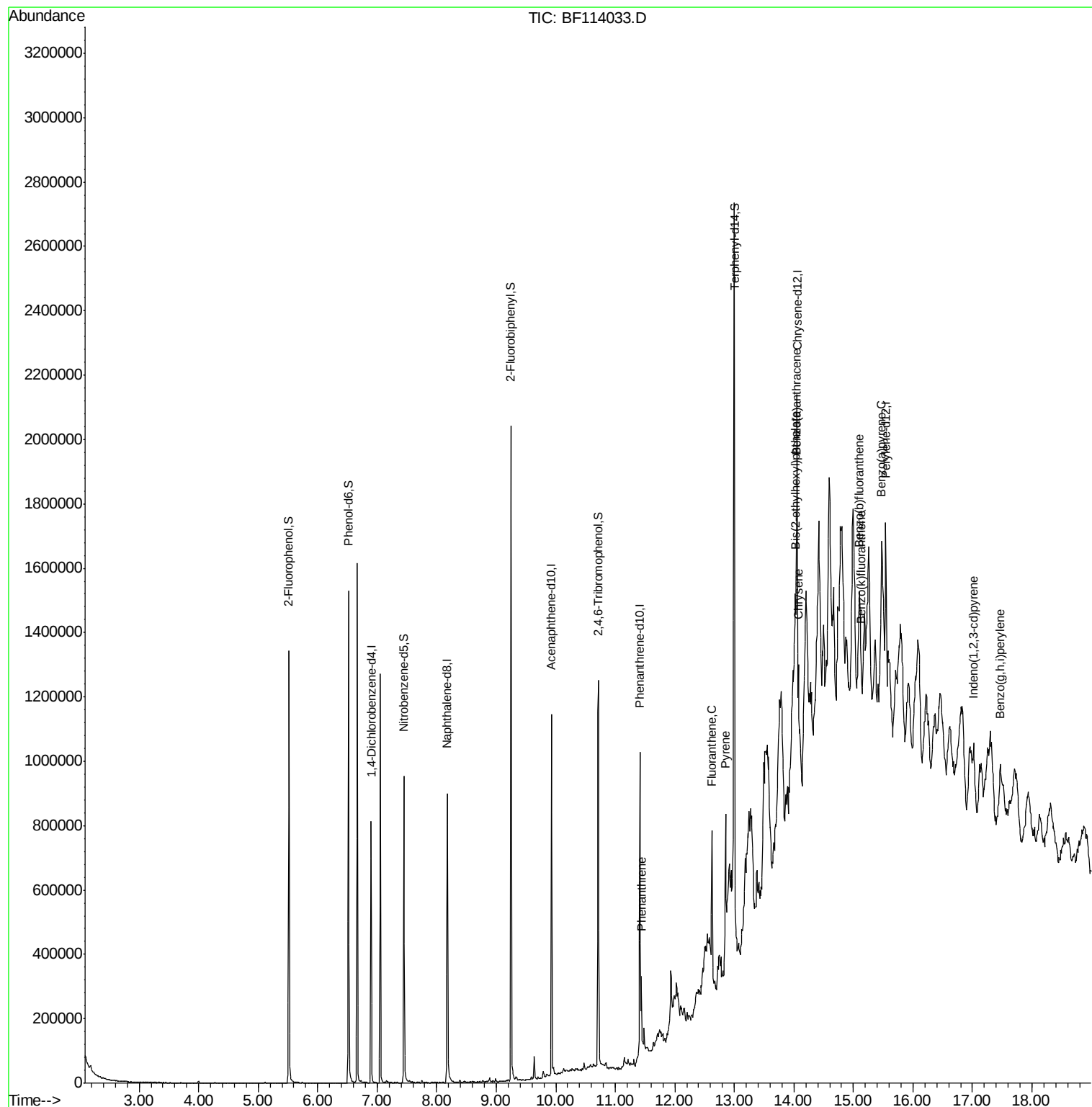
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114033.D
Acq On : 29 Apr 2019 19:54
Operator : JU/SJ
Sample : K2601-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

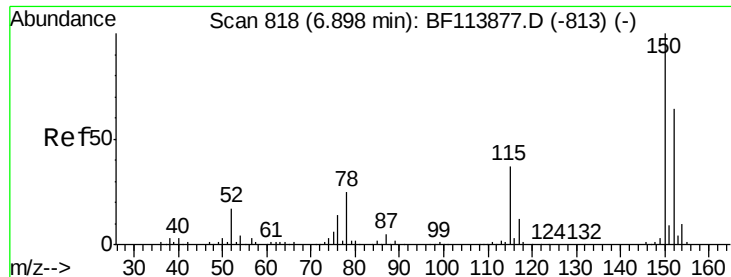
Instrument :
BNA_F
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FK-EF-01-008-ABCD

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
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#1

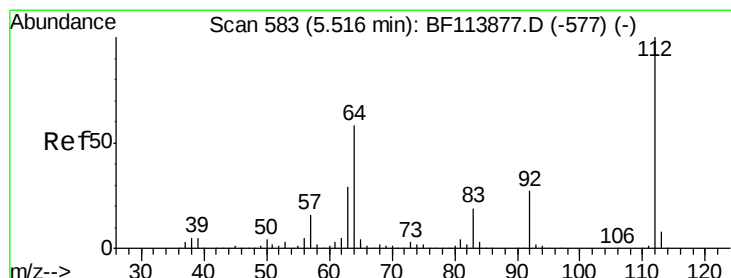
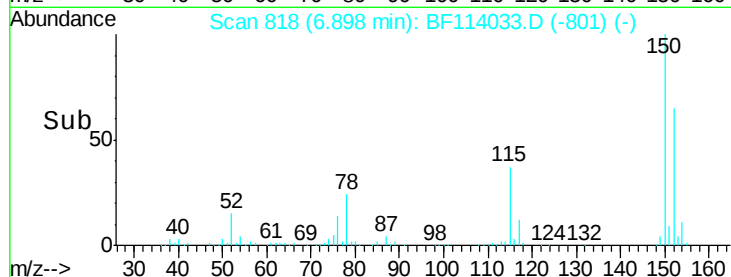
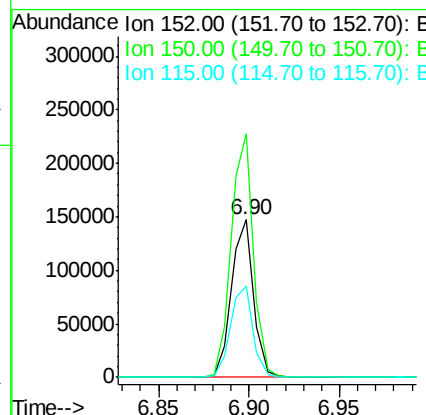
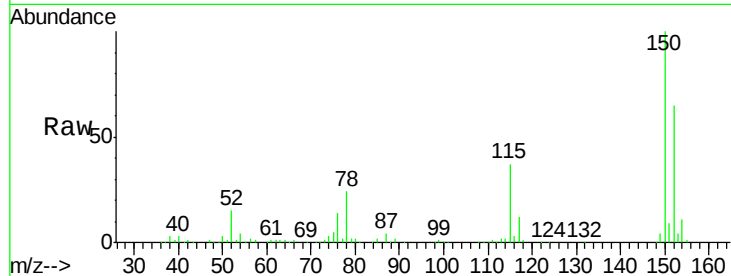
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF114033.D
Acq: 29 Apr 2019 19:54

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-008-ABCD

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.5	125.9	188.9
115	57.9	45.9	68.9

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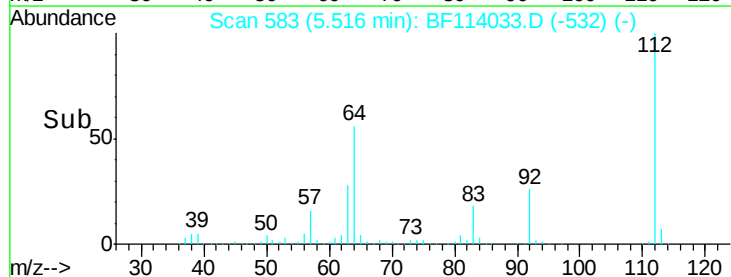
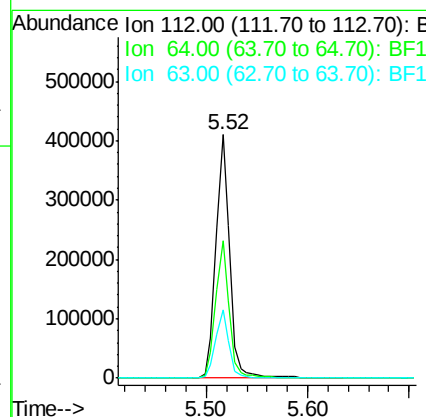
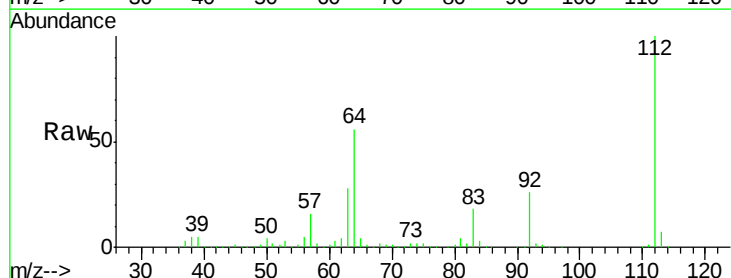
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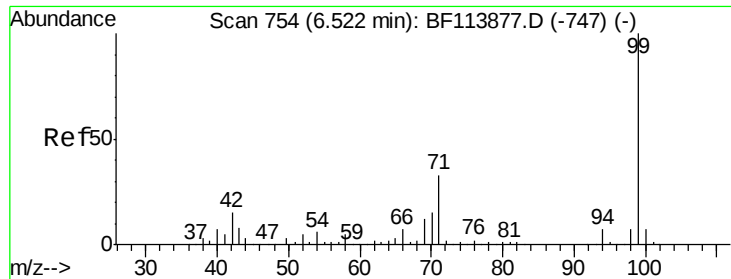


#5

2-Fluorophenol
Concen: 53.950 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF114033.D
Acq: 29 Apr 2019 19:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	46.6	69.8
63	27.9	23.1	34.7





#7

Phenol-d6

Concen: 59.543 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

Instrument :

BNA_F

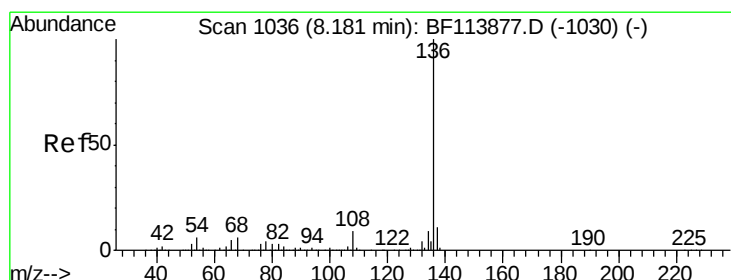
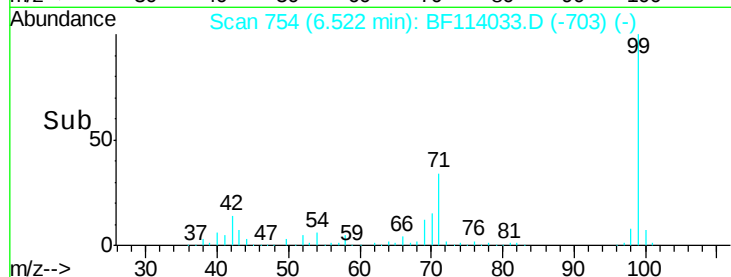
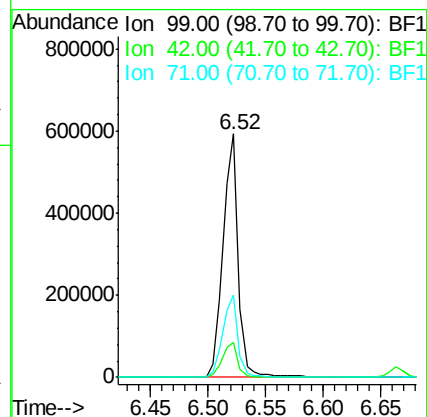
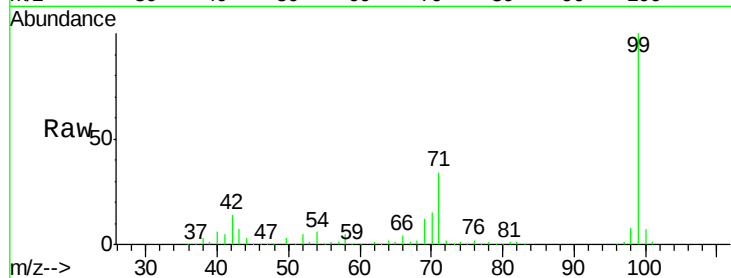
ClientSampleId :

FK-EF-01-008-ABCD

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		542573		
42	14.5	12.5	18.7		
71	33.6	26.9	40.3		

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#21

Naphthalene-d8

Concen: 20.000 ng

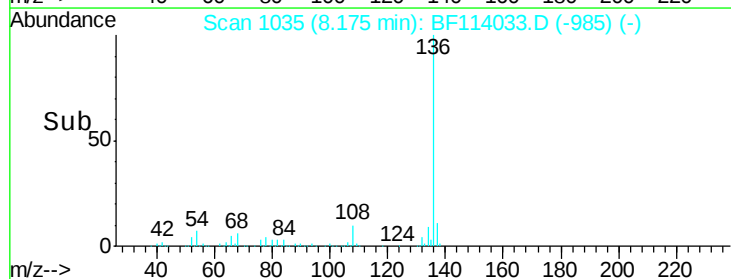
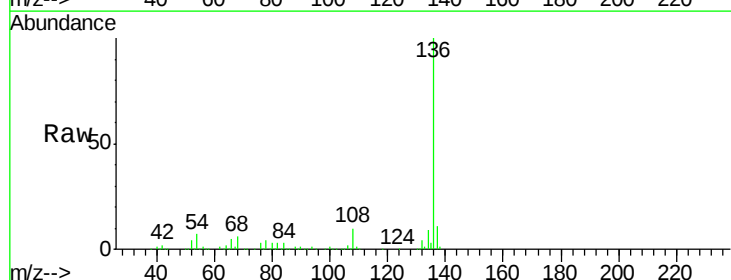
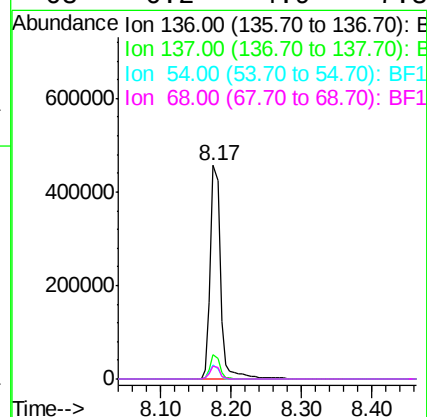
RT: 8.17 min Scan# 1035

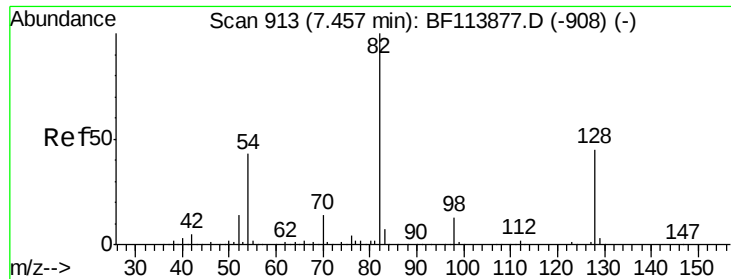
Delta R.T. -0.01 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		464854		
137	11.2	8.6	12.8		
54	6.7	5.0	7.6		
68	6.2	4.9	7.3		





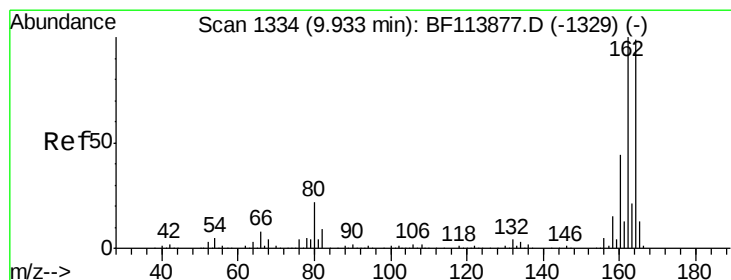
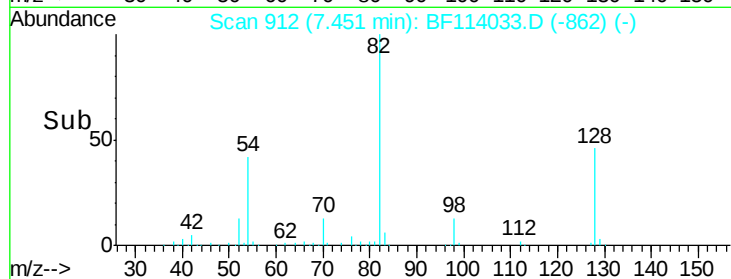
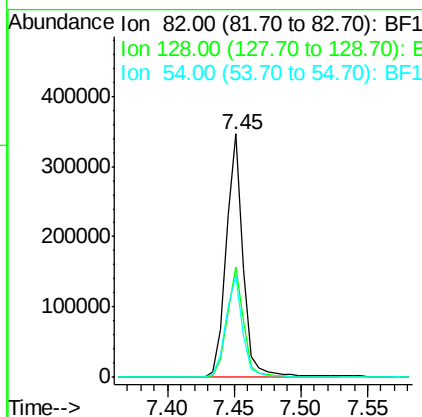
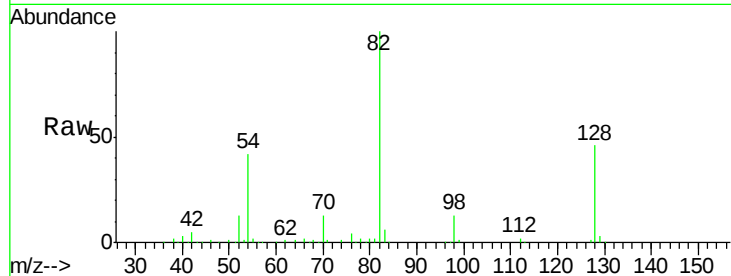
#23
 Nitrobenzene-d5
 Concen: 41.329 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF114033.D
 Acq: 29 Apr 2019 19:54

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-008-ABCD

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	311153		
128	45.6	36.8	55.2	
54	41.6	33.8	50.6	

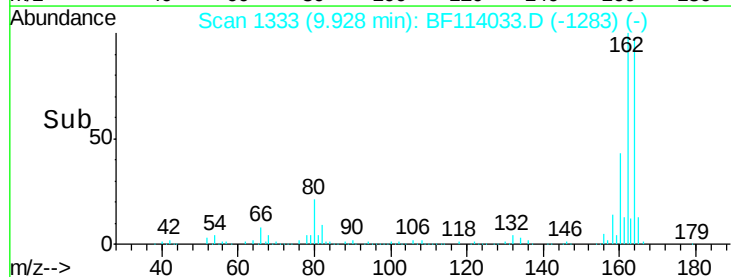
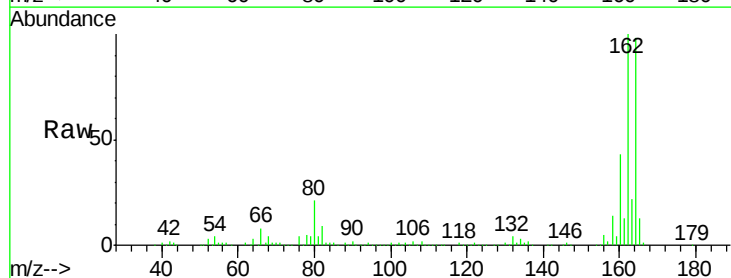
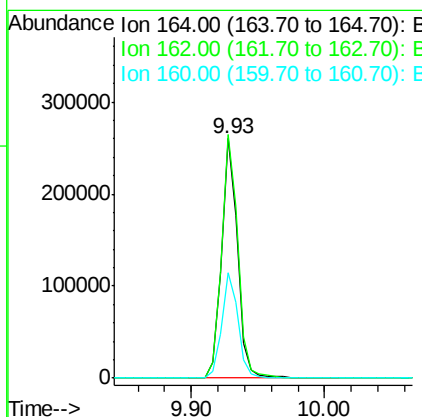
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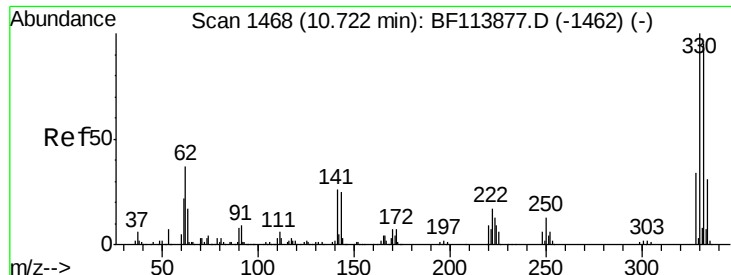
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF114033.D
 Acq: 29 Apr 2019 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	221363		
162	101.6	81.1	121.7	
160	43.9	35.8	53.6	





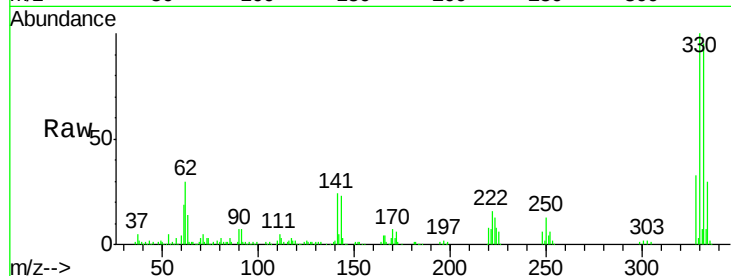
#42
 2,4,6-Tribromophenol
 Concen: 64.369 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF114033.D
 Acq: 29 Apr 2019 19:54

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-008-ABCD

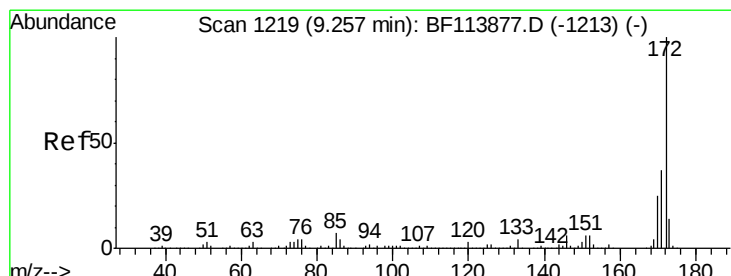
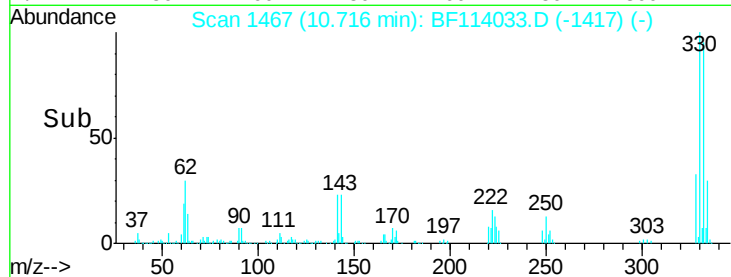
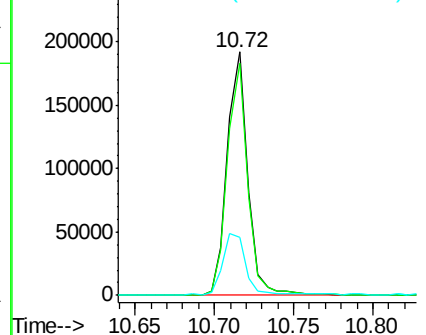
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	173581		
332	95.6	77.5	116.3	
141	27.5	22.2	33.2	

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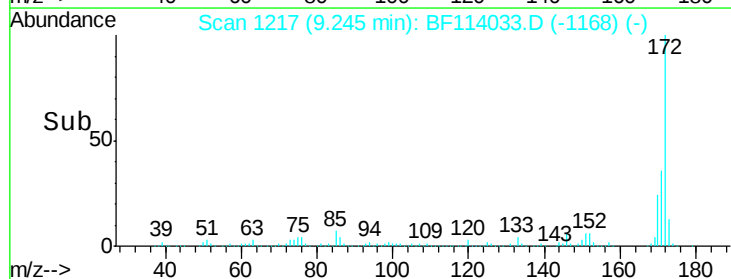
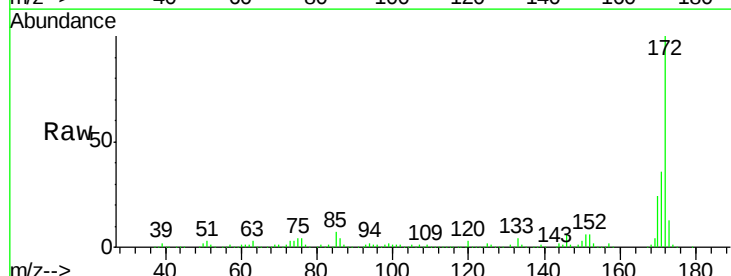
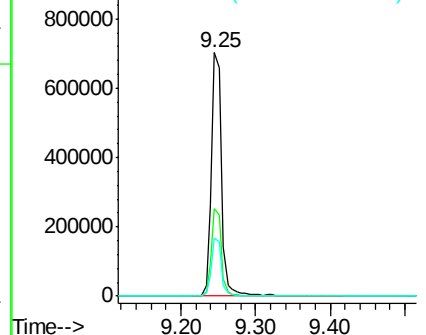
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

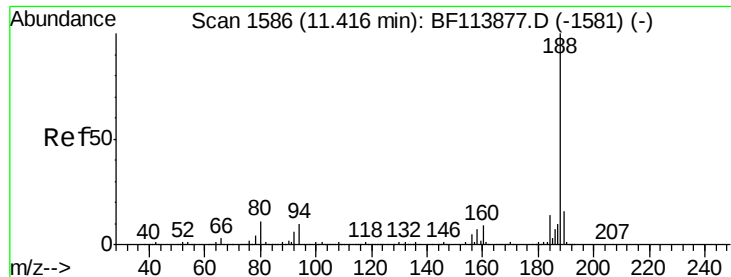


#45
 2-Fluorobiphenyl
 Concen: 47.760 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF114033.D
 Acq: 29 Apr 2019 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	675972		
171	35.8	29.4	44.0	
170	23.7	19.9	29.9	

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

Instrument :

BNA_F

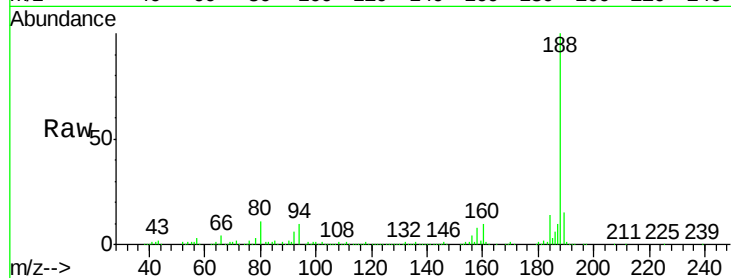
ClientSampleId :

FK-EF-01-008-ABCD

Tgt Ion:	188	Resp:	390435
Ion Ratio	Lower	Upper	
188	100		
94	9.8	8.2	12.4
80	10.9	9.0	13.6

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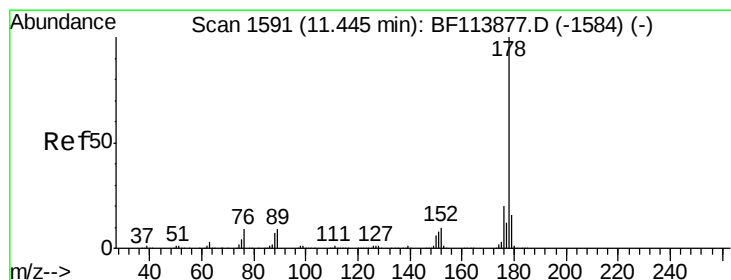
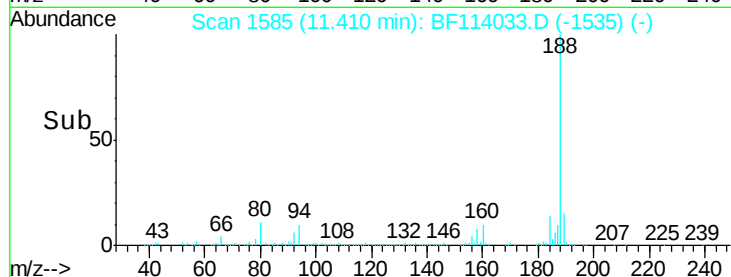
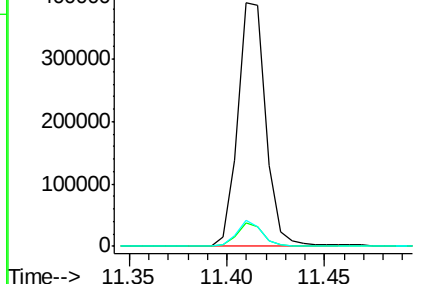
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 4.023 ng

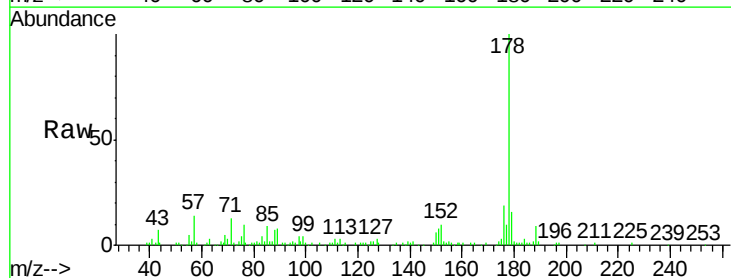
RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

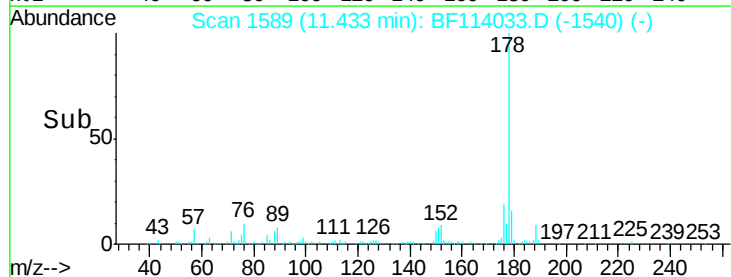
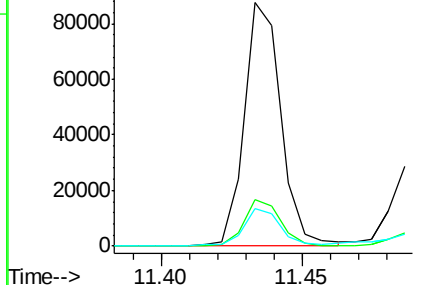
Tgt Ion:	178	Resp:	78933
Ion Ratio	Lower	Upper	
178	100		
176	18.9	16.1	24.1
179	15.6	12.8	19.2

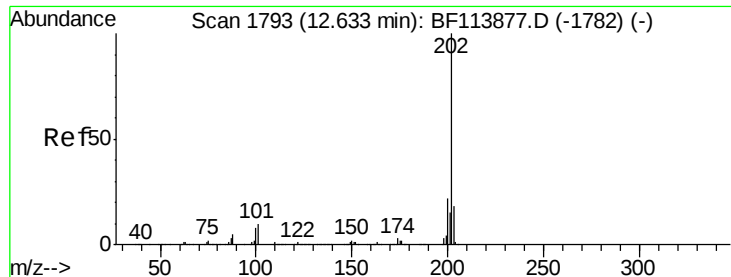


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 8.358 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

Instrument :

BNA_F

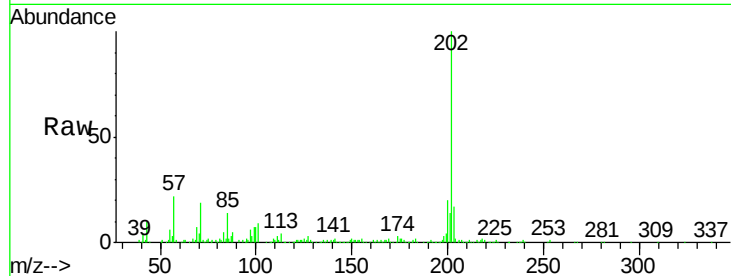
ClientSampleId :

FK-EF-01-008-ABCD

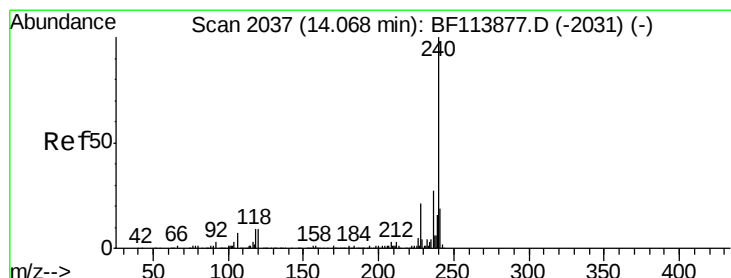
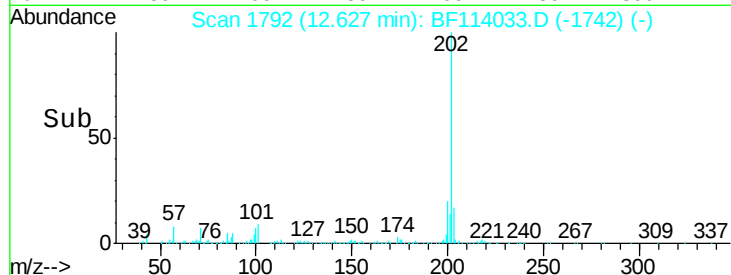
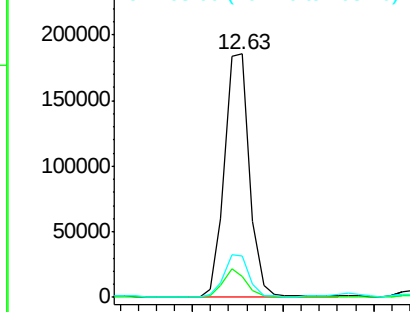
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		178935		
101	8.8	0.0	32.9		
203	16.9	0.0	38.2		

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

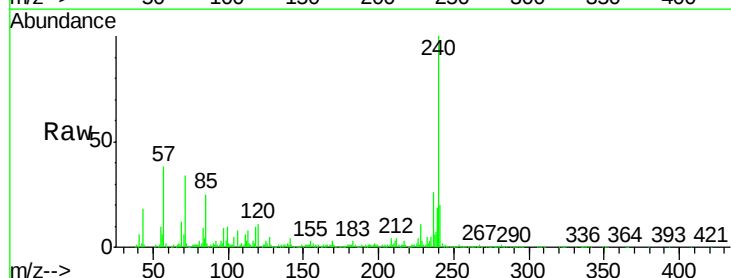
RT: 14.05 min Scan# 2034

Delta R.T. -0.02 min

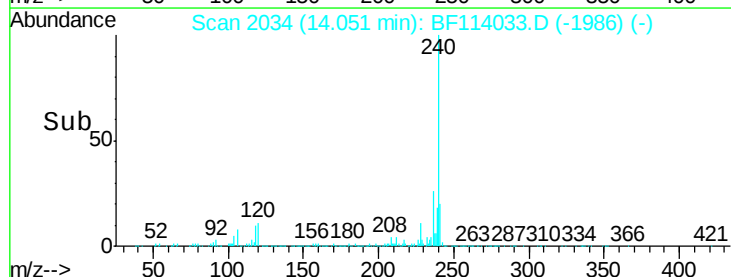
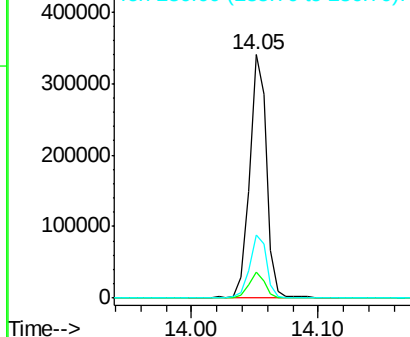
Lab File: BF114033.D

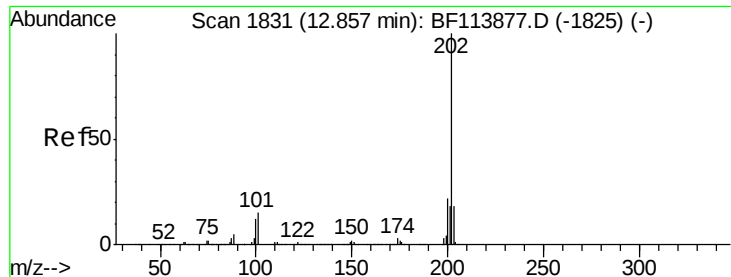
Acq: 29 Apr 2019 19:54

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		312140		
120	10.7	9.3	13.9		
236	25.9	21.2	31.8		



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 8.231 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

Instrument :

BNA_F

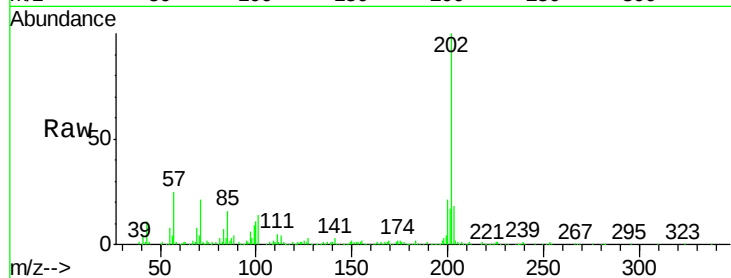
ClientSampleId :

FK-EF-01-008-ABCD

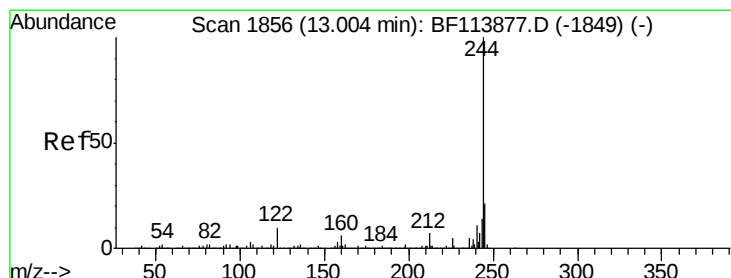
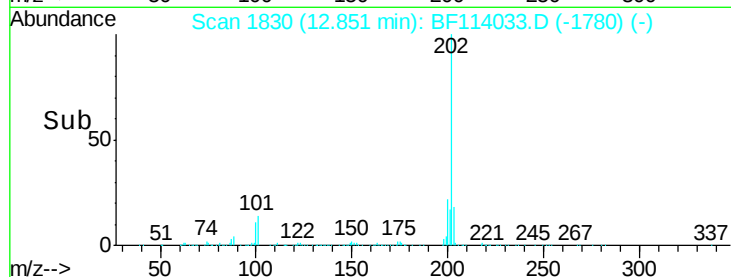
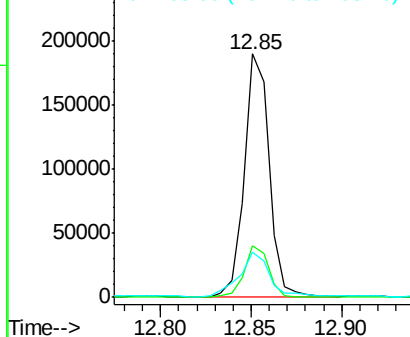
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	179664		
200	21.4	17.7	26.5	
203	18.4	15.0	22.6	

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 54.508 ng

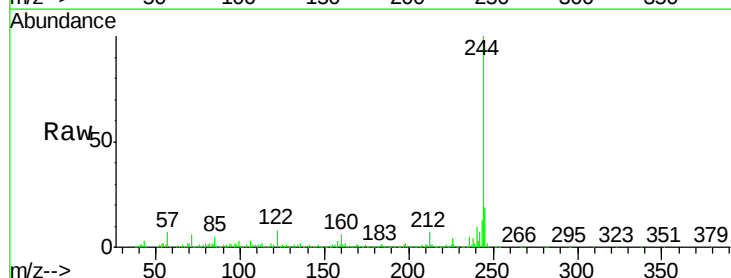
RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

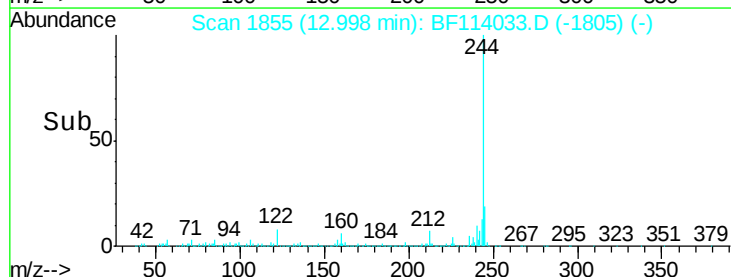
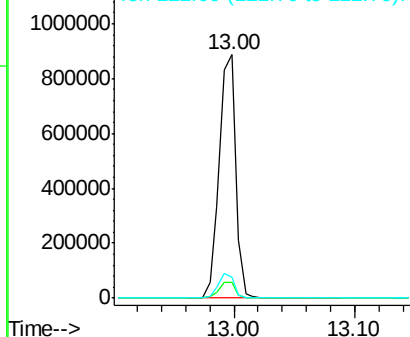
Lab File: BF114033.D

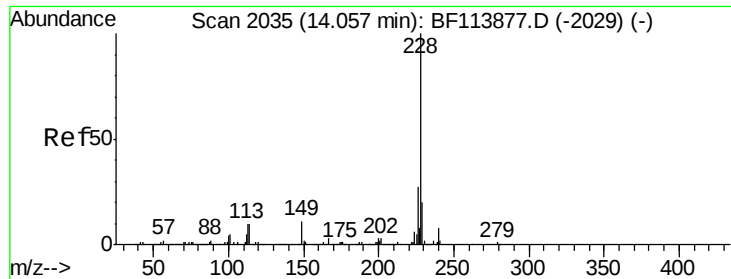
Acq: 29 Apr 2019 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	829901		
212	6.7	5.4	8.2	
122	8.4	7.6	11.4	



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





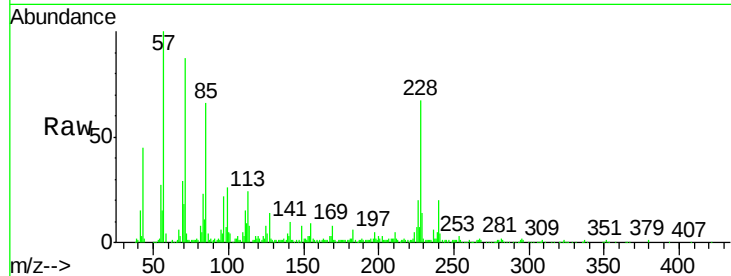
#81
Benzo(a)anthracene
Concen: 5.850 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.02 min
Lab File: BF114033.D
Acq: 29 Apr 2019 19:54

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-008-ABCD

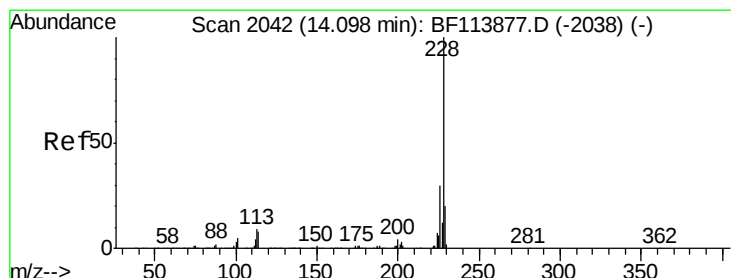
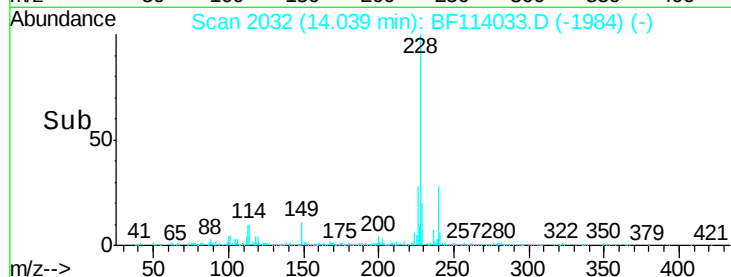
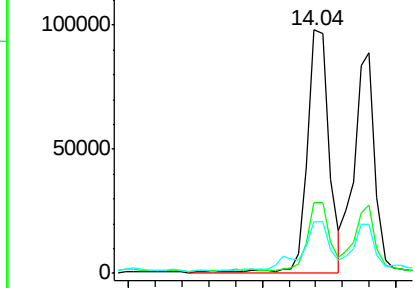
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.2	33.2
229	21.0	16.0	24.0

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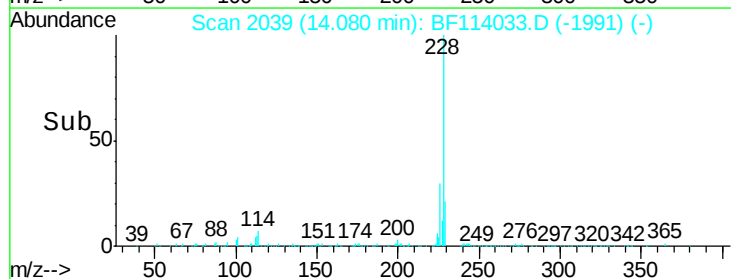
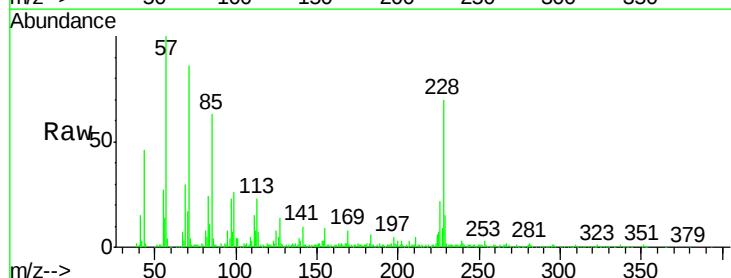
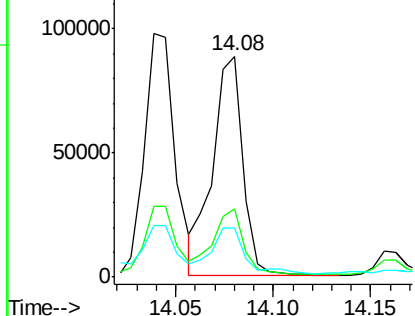
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

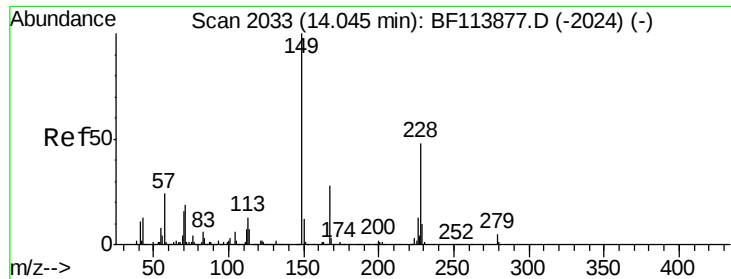


#83
Chrysene
Concen: 5.371 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.02 min
Lab File: BF114033.D
Acq: 29 Apr 2019 19:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.2	37.8
229	22.1	16.7	25.1

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





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.185 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.02 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

Instrument :

BNA_F

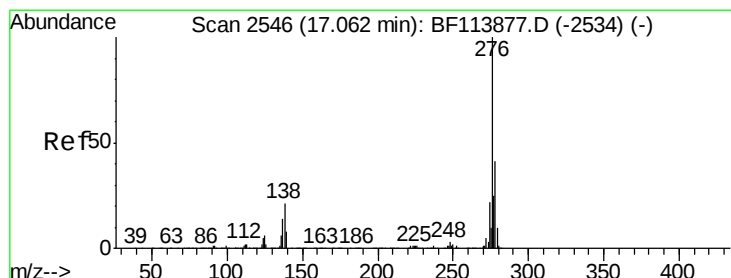
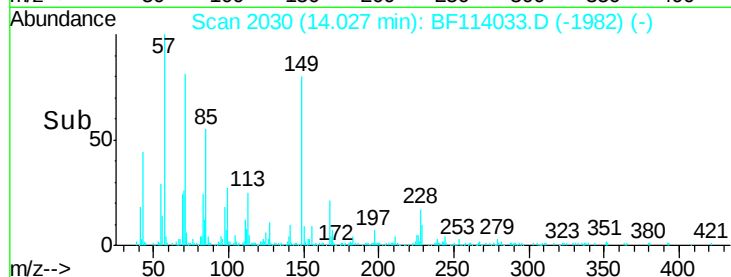
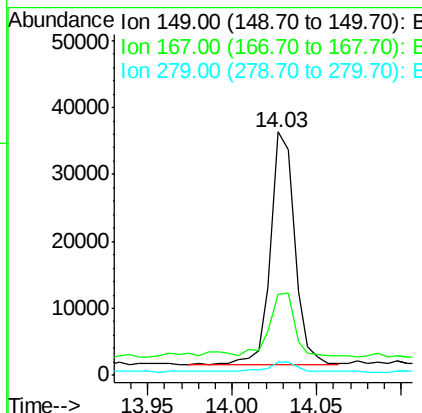
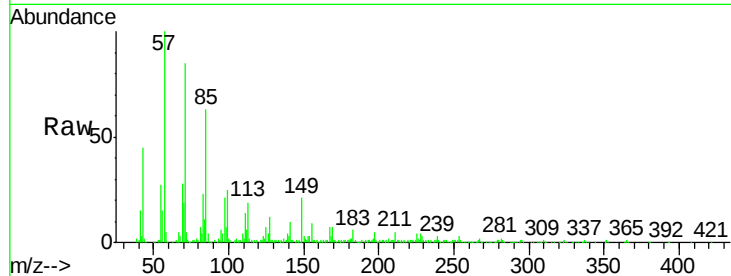
ClientSampleId :

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Tgt Ion:	149	Resp:	34807
Ion Ratio	Lower	Upper	
149	100		
167	33.1	22.9	34.3
279	5.5	4.2	6.2

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#86

Indeno(1,2,3-cd)pyrene

Concen: 2.379 ng

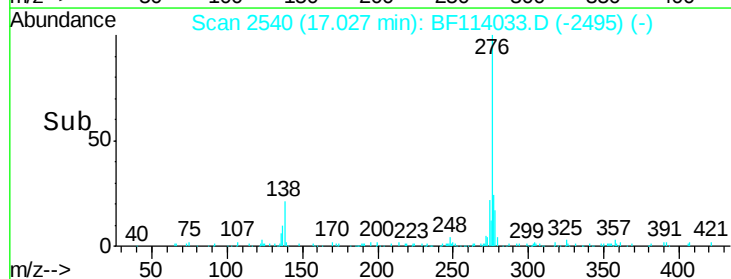
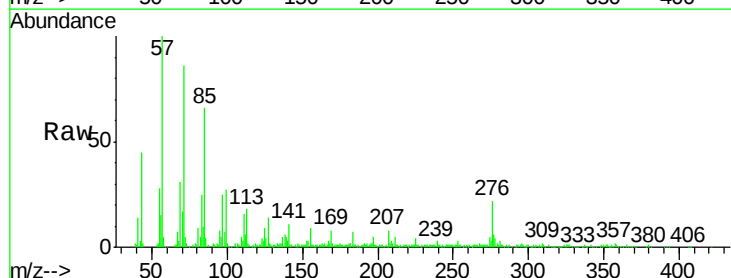
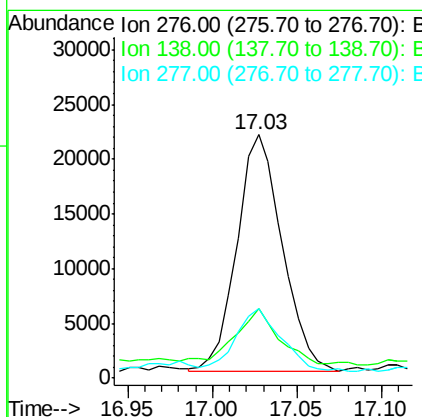
RT: 17.03 min Scan# 2540

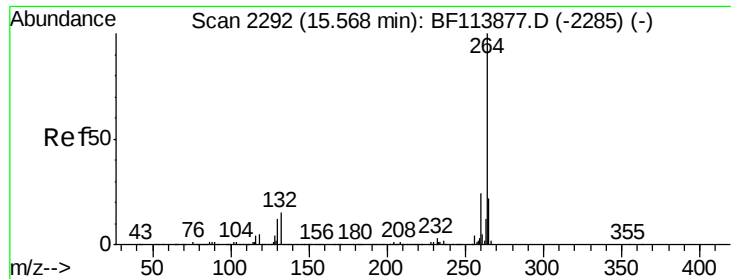
Delta R.T. -0.04 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

Tgt Ion:	276	Resp:	40367
Ion Ratio	Lower	Upper	
276	100		
138	21.8	19.6	29.4
277	27.0	20.2	30.4





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. -0.02 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

Instrument :

BNA_F

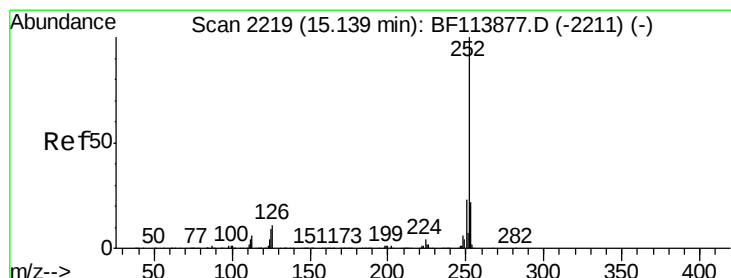
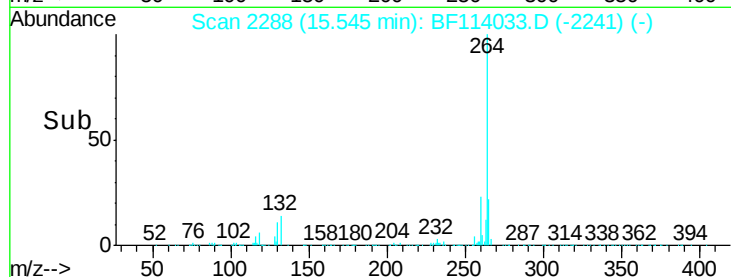
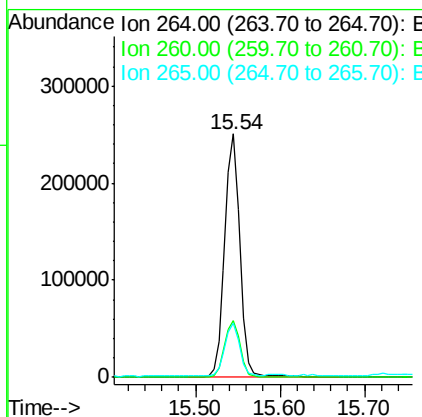
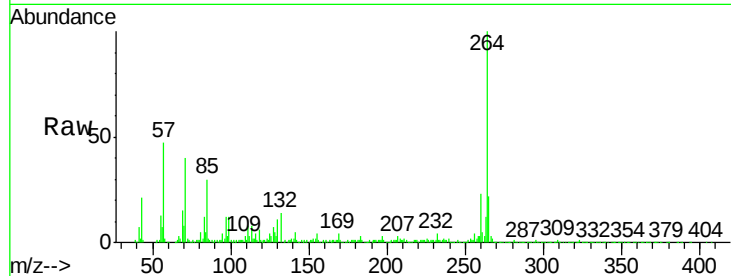
ClientSampleId :

FK-EF-01-008-ABCD

Tgt Ion:	264	Resp:	308975
Ion Ratio		Lower	Upper
264	100		
260	23.5	18.9	28.3
265	22.1	17.3	25.9

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#88

Benzo(b)fluoranthene

Concen: 6.082 ng m

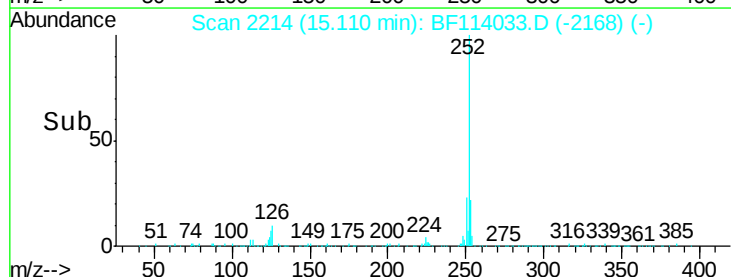
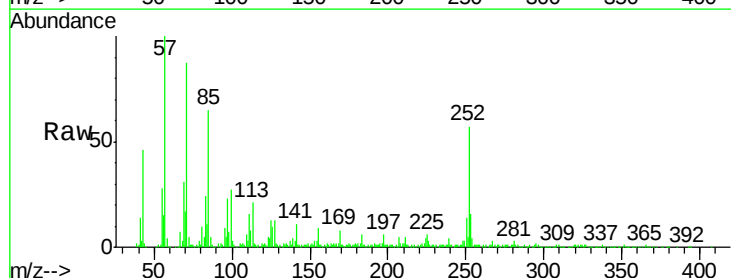
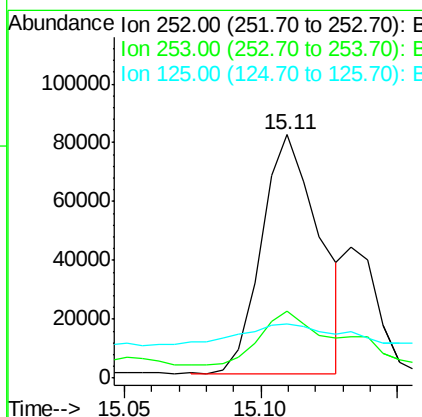
RT: 15.11 min Scan# 2214

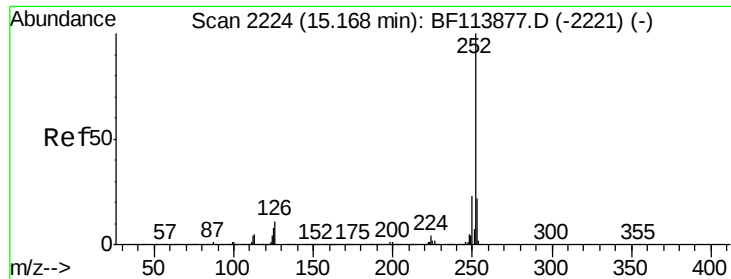
Delta R.T. -0.03 min

Lab File: BF114033.D

Acq: 29 Apr 2019 19:54

Tgt Ion:	252	Resp:	118892
Ion Ratio		Lower	Upper
252	100		
253	27.5	17.8	26.6#
125	22.3	7.0	10.6#





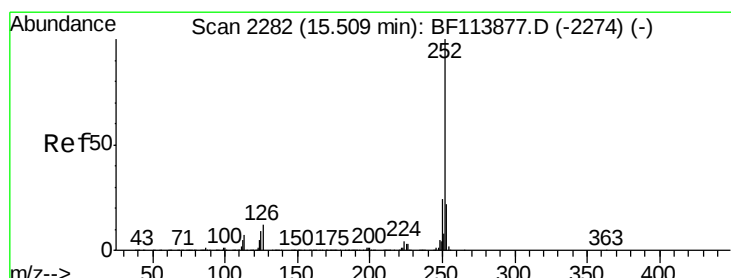
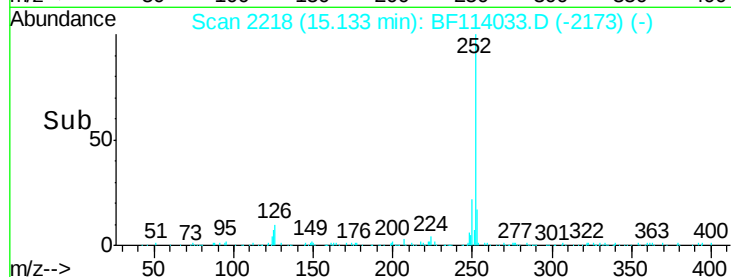
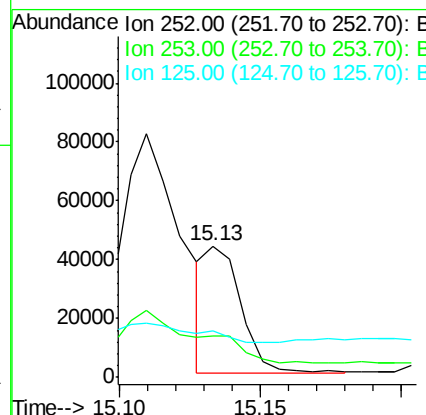
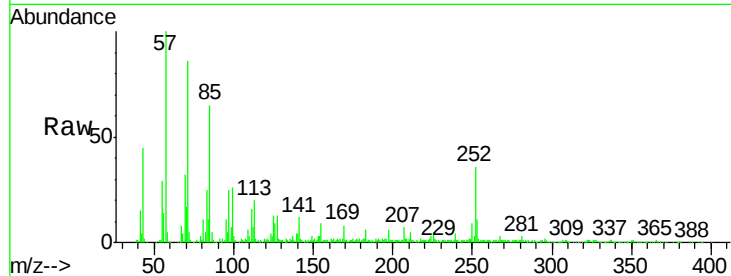
#89
Benzo(k)fluoranthene
Concen: 2.198 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.04 min
Lab File: BF114033.D
Acq: 29 Apr 2019 19:54

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-008-ABCD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.8	18.2	27.2#
125	35.6	7.4	11.2#

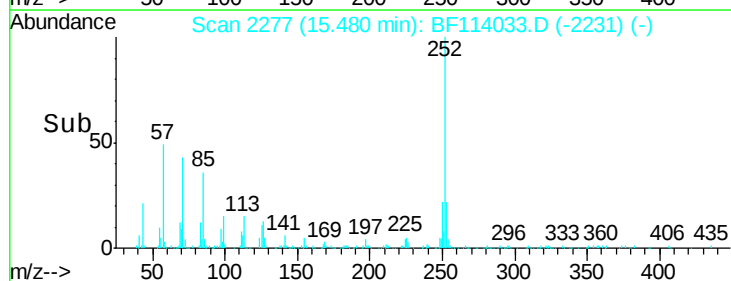
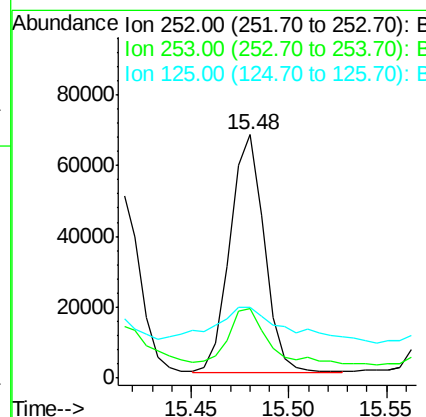
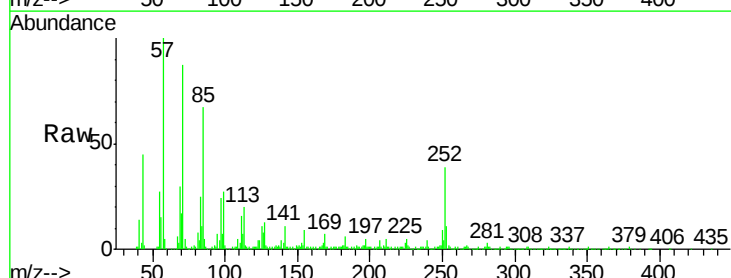
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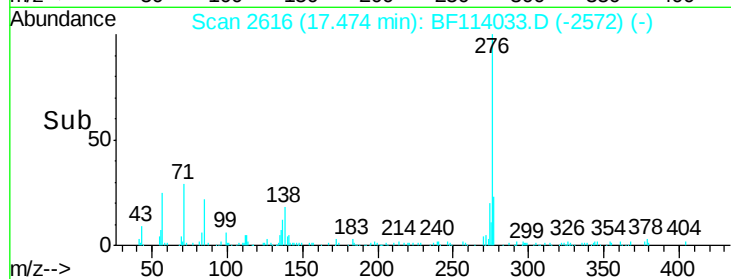
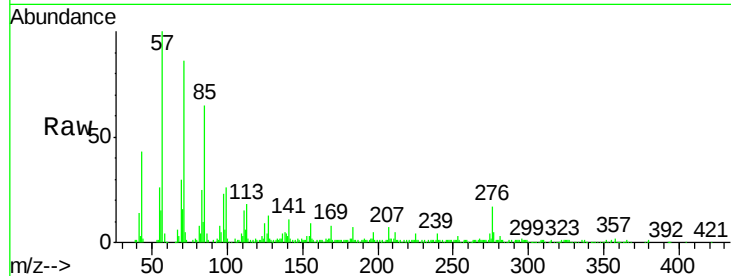
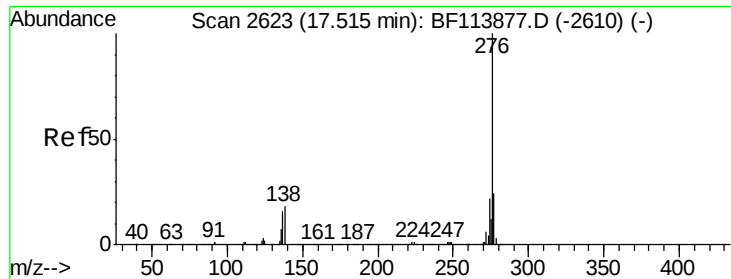
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#90
Benzo(a)pyrene
Concen: 4.900 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.03 min
Lab File: BF114033.D
Acq: 29 Apr 2019 19:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.6	17.5	26.3#
125	29.1	8.5	12.7#





#92
 Benzo(g,h,i)perylene
 Concen: 2.362 ng
 RT: 17.47 min Scan# 2616
 Delta R.T. -0.04 min
 Lab File: BF114033.D
 Acq: 29 Apr 2019 19:54

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-008-ABCD

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.6	19.0	28.4#
138	26.8	16.6	25.0#

Manual Integrations
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