

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
 Data File : BF113893.D
 Acq On : 22 Apr 2019 22:17
 Operator : JU/SJ
 Sample : K2514-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
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 4/23/2019 4:08:00 PM

Quant Time: Apr 23 05:19:51 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	6.89	152	152459	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	524450	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	243612	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	504850	20.00	ng	0.00
76) Chrysene-d12	14.05	240	555126	20.00	ng	-0.02
87) Perylene-d12	15.54	264	594234	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	370796	41.60	ng	0.00
7) Phenol-d6	6.51	99	459132	41.05	ng	-0.01
23) Nitrobenzene-d5	7.45	82	258905	30.48	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	130147	43.85	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	503939	32.35	ng	-0.01
79) Terphenyl-d14	12.99	244	712300	26.31	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.79	152	103481	4.368	ng	98
52) Acenaphthene	9.96	154	30875	2.205	ng	97
58) Fluorene	10.47	166	47549	3.011	ng	99
71) Phenanthrene	11.44	178	495854	19.544	ng	98
72) Anthracene	11.49	178	189351	7.390	ng	96
75) Fluoranthene	12.63	202	1214231	43.865	ng	99
78) Pyrene	12.86	202	1202832	30.984	ng	99
81) Benzo(a)anthracene	14.04	228	861306	26.334	ng	95
83) Chrysene	14.08	228	785201	24.650	ng	97
86) Indeno(1,2,3-cd)pyrene	17.02	276	417998	13.854	ng	# 93
88) Benzo(b)fluoranthene	15.10	252	1118194m	29.742	ng	
89) Benzo(k)fluoranthene	15.13	252	348472m	10.775	ng	
90) Benzo(a)pyrene	15.47	252	781757	24.040	ng	98
91) Dibenzo(a,h)anthracene	17.03	278	110240m	3.611	ng	
92) Benzo(g,h,i)perylene	17.47	276	374047	12.142	ng	99

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

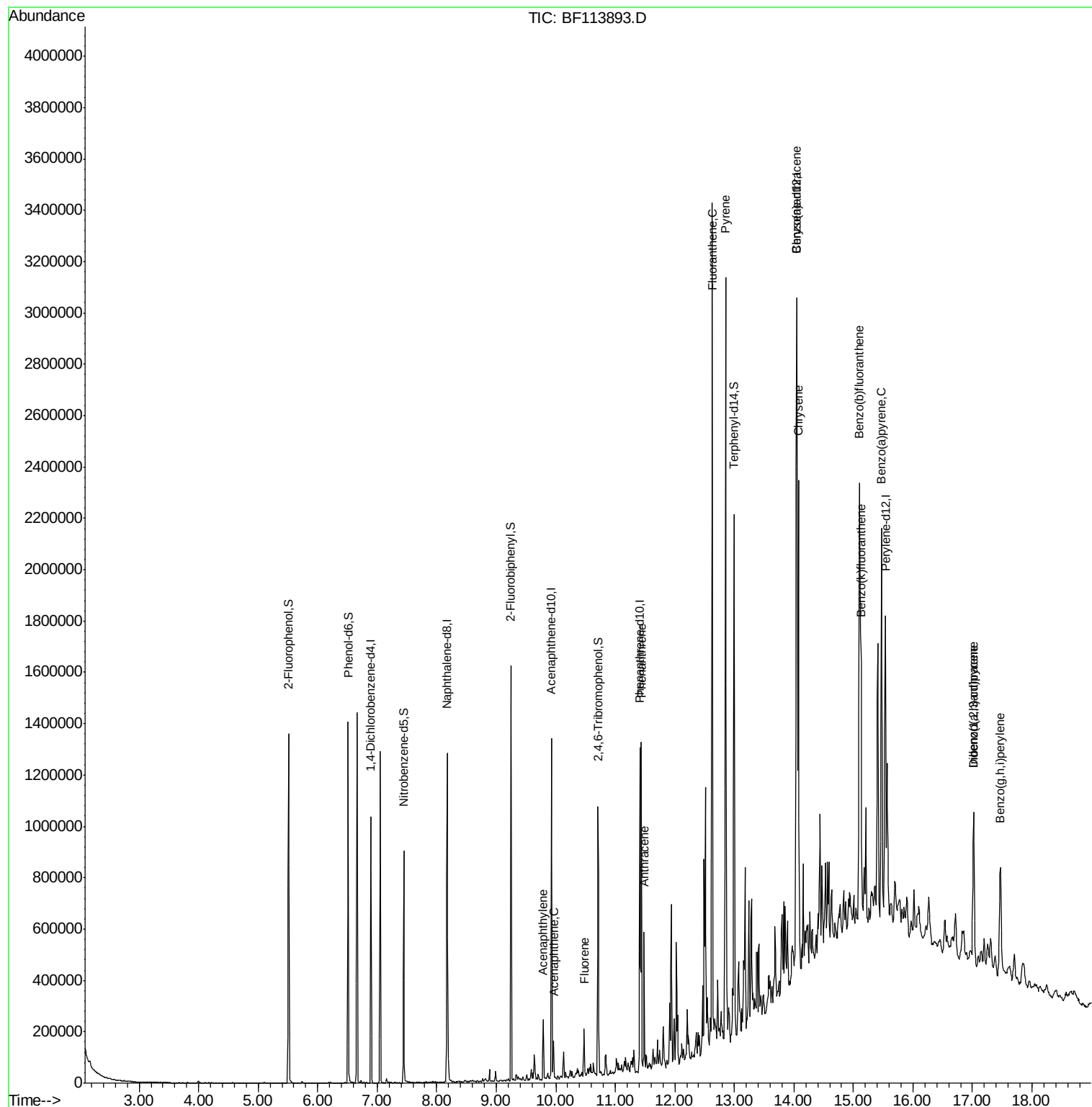
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
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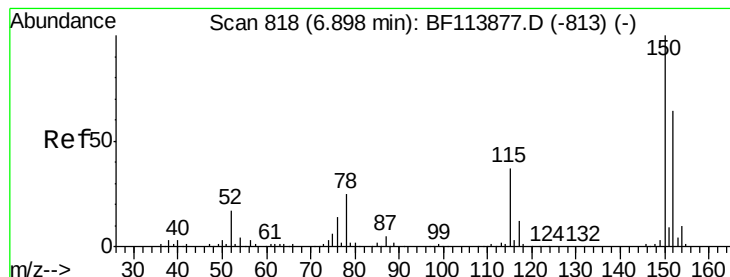
Instrument :
BNA_F
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FK-EF-01-007-ABCD

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

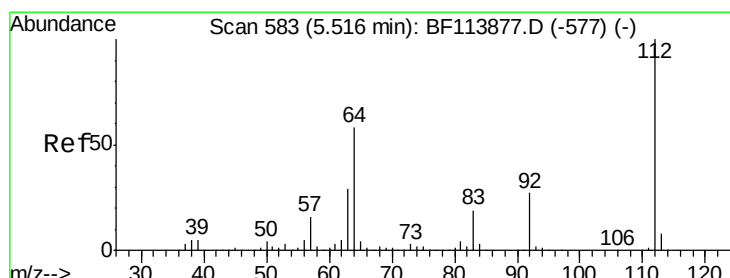
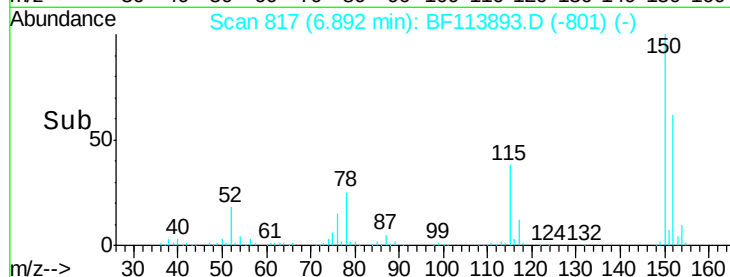
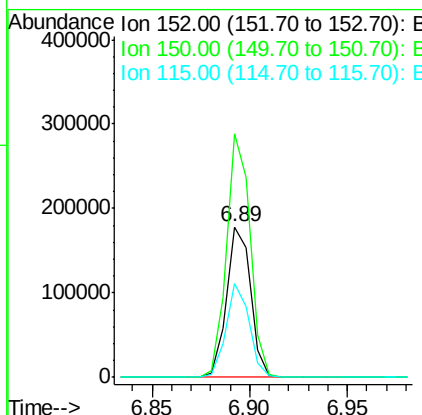
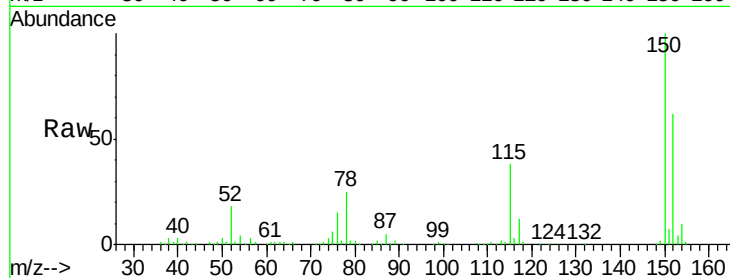
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF113893.D
Acq: 22 Apr 2019 22:17

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

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	152459		
150	162.0	125.9	188.9	
115	62.0	45.9	68.9	

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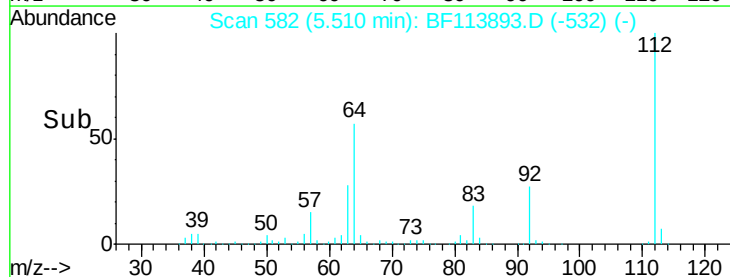
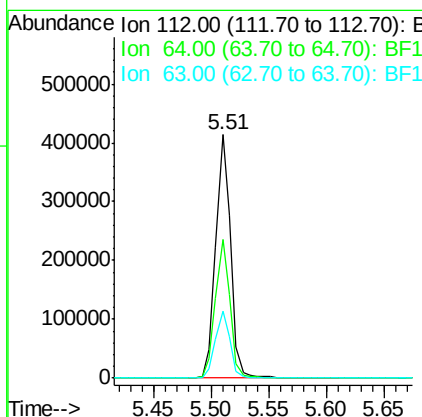
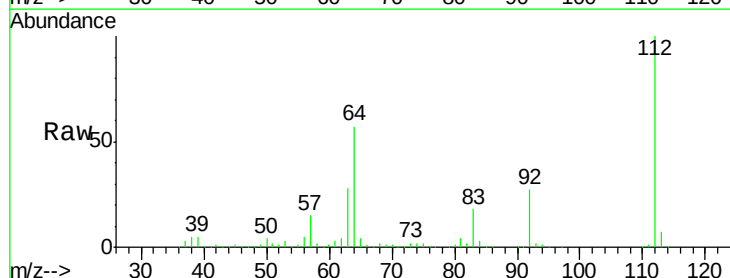
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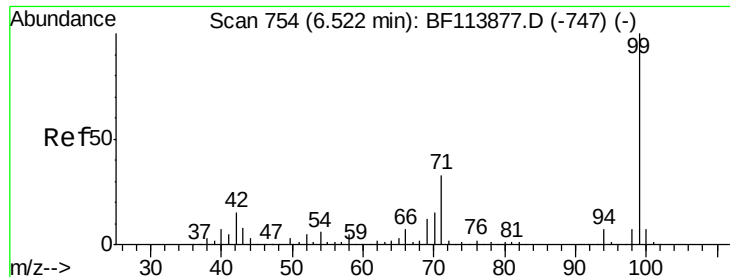


#5

2-Fluorophenol
Concen: 41.598 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF113893.D
Acq: 22 Apr 2019 22:17

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	370796		
64	57.1	46.6	69.8	
63	27.5	23.1	34.7	





#7

Phenol-d6

Concen: 41.054 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF113893.D

Acq: 22 Apr 2019 22:17

Instrument :

BNA_F

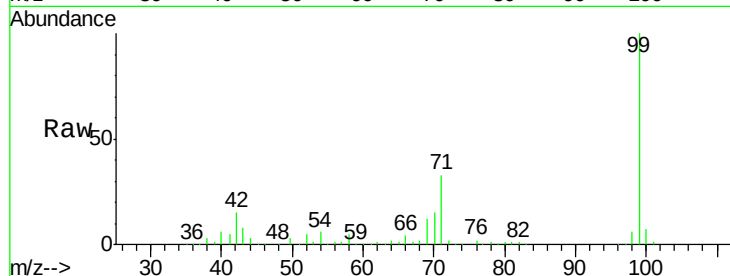
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FK-EF-01-007-ABCD

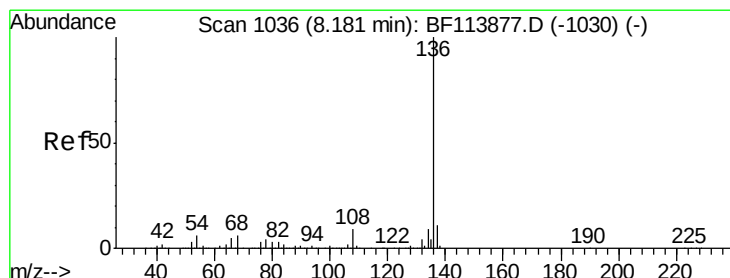
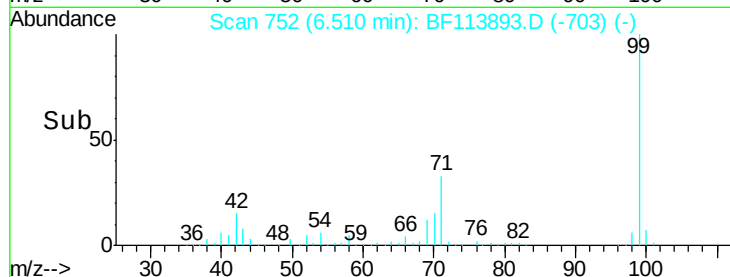
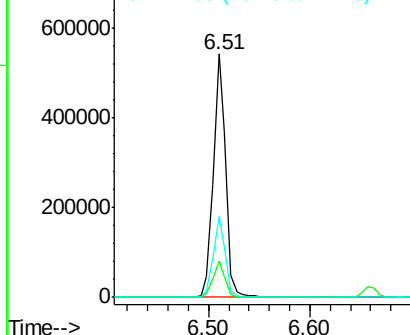
Tgt Ion:	99	Resp:	459132
Ion Ratio	Lower	Upper	
99	100		
42	15.1	12.5	18.7
71	33.2	26.9	40.3

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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: 8.17 min Scan# 1035

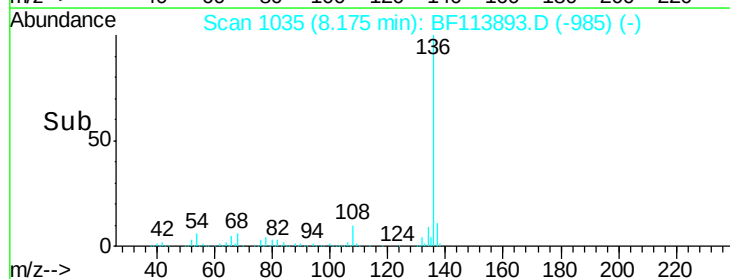
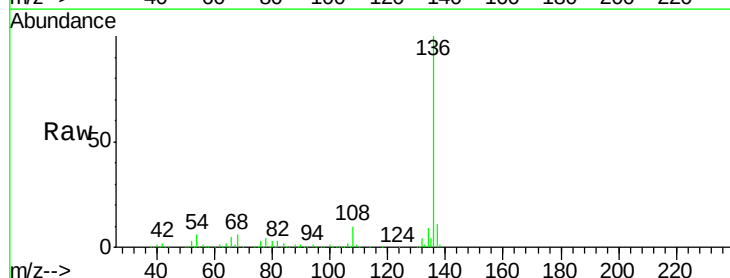
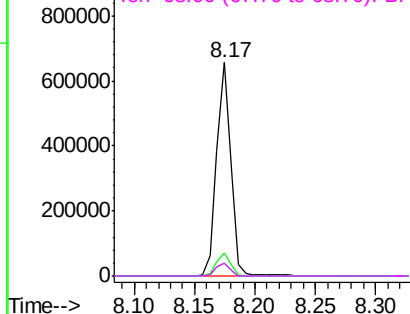
Delta R.T. -0.01 min

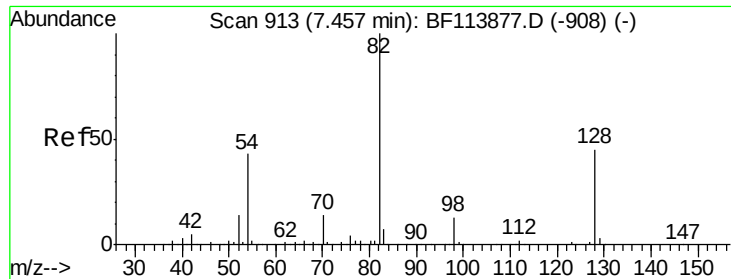
Lab File: BF113893.D

Acq: 22 Apr 2019 22:17

Tgt Ion:	136	Resp:	524450
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	12.8
54	6.2	5.0	7.6
68	6.2	4.9	7.3

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





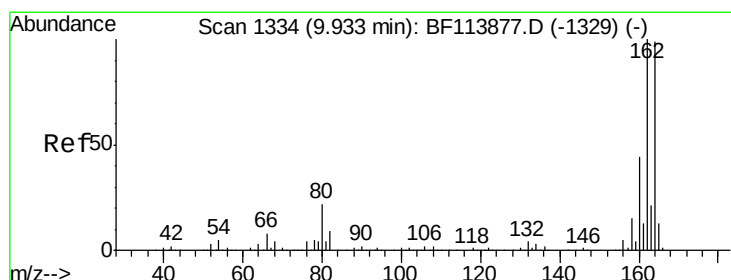
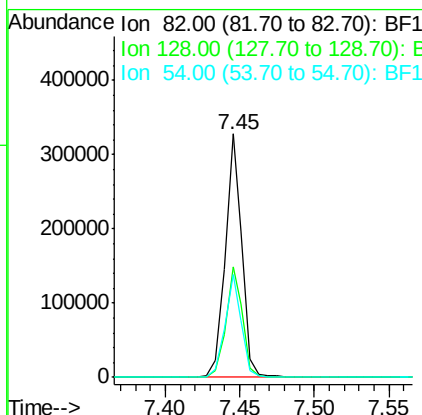
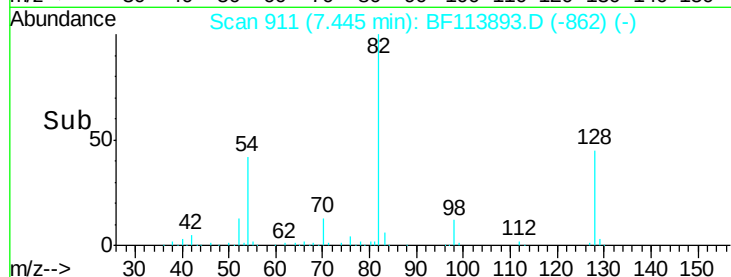
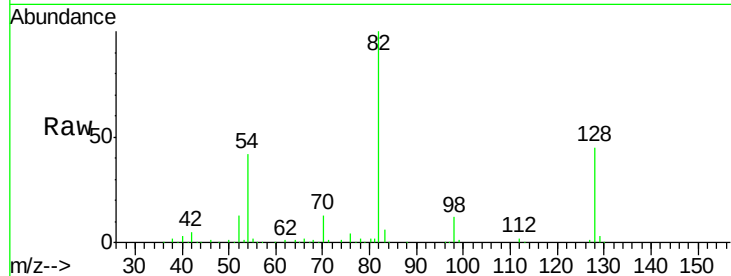
#23
Nitrobenzene-d5
Concen: 30.481 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF113893.D
Acq: 22 Apr 2019 22:17

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

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	258905		
128	45.3	36.8	55.2	
54	42.1	33.8	50.6	

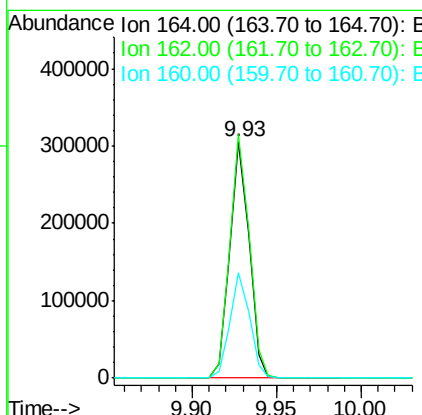
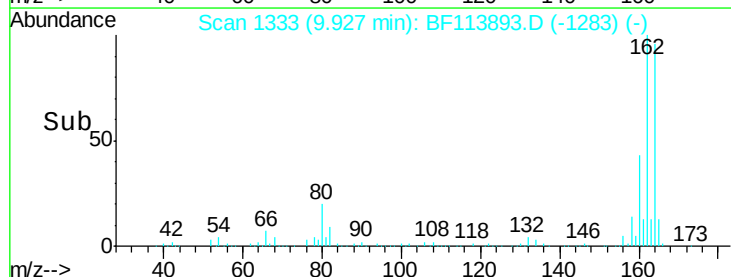
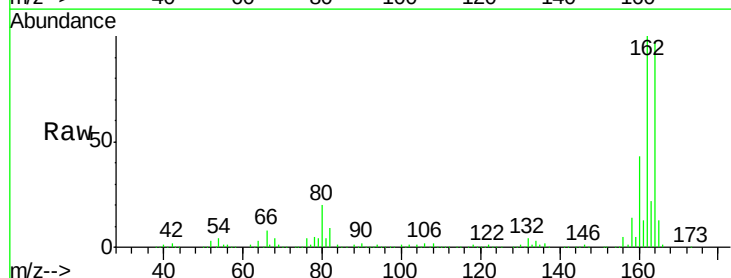
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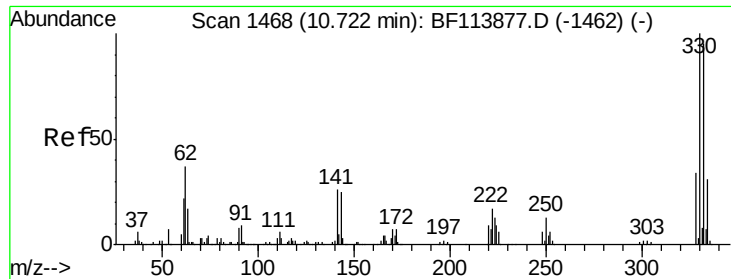
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF113893.D
Acq: 22 Apr 2019 22:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	243612		
162	102.9	81.1	121.7	
160	44.3	35.8	53.6	





#42

2,4,6-Tribromophenol

Concen: 43.855 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF113893.D

Acq: 22 Apr 2019 22:17

Instrument :

BNA_F

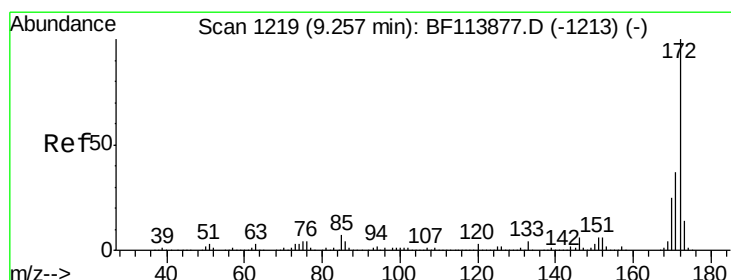
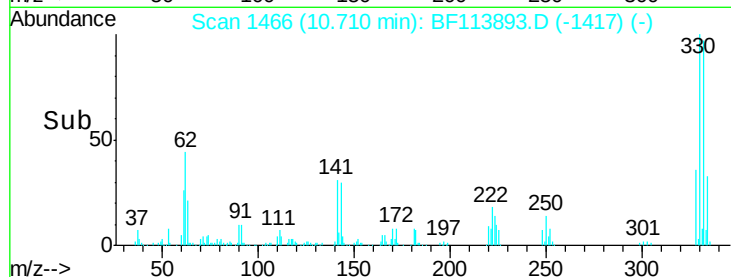
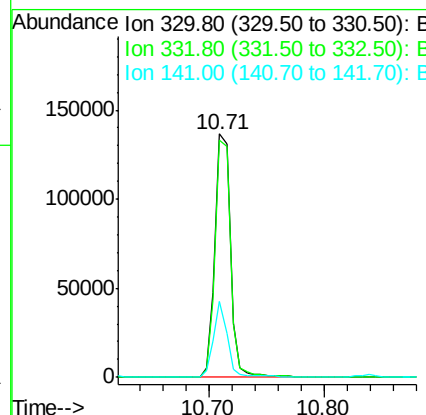
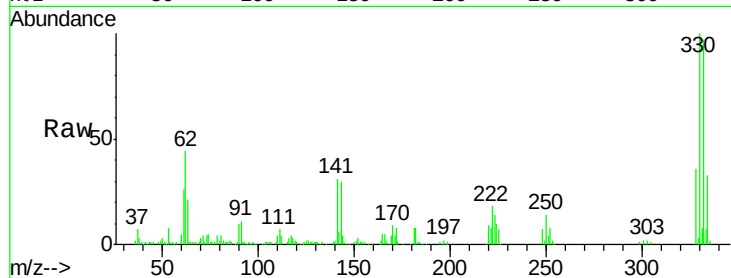
ClientSampleId :

FK-EF-01-007-ABCD

Tgt Ion:	330	Resp:	130147
Ion Ratio	Lower	Upper	
330	100		
332	97.1	77.5	116.3
141	26.6	22.2	33.2

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#45

2-Fluorobiphenyl

Concen: 32.354 ng

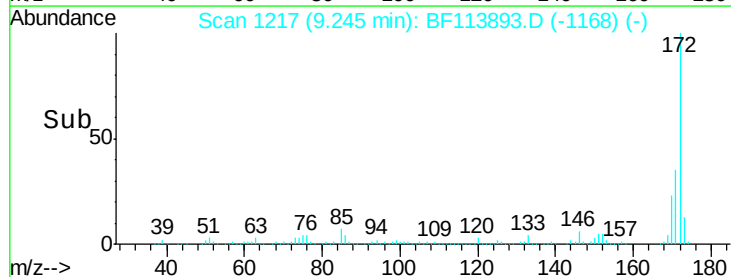
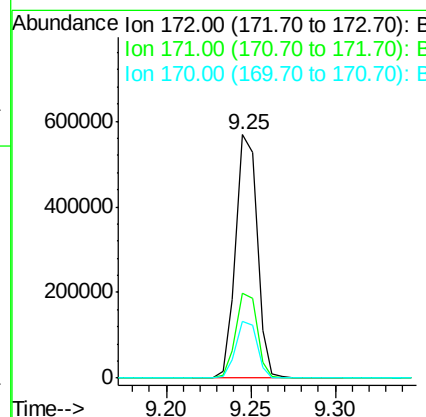
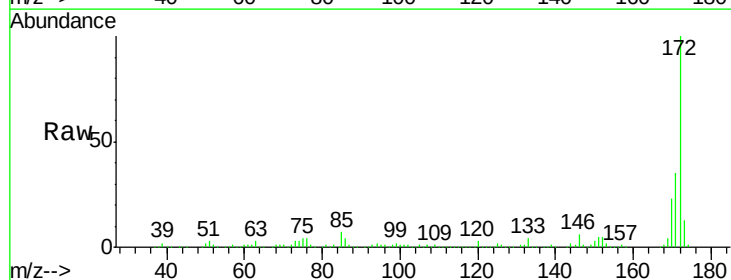
RT: 9.25 min Scan# 1217

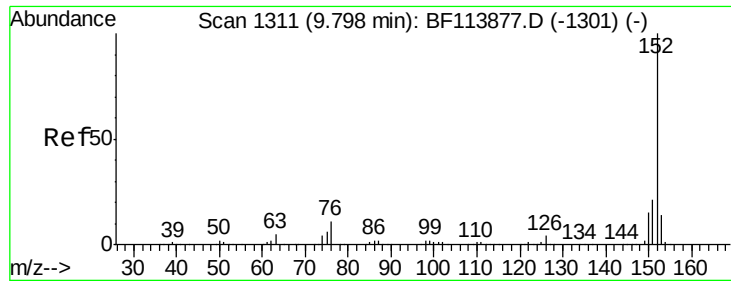
Delta R.T. -0.01 min

Lab File: BF113893.D

Acq: 22 Apr 2019 22:17

Tgt Ion:	172	Resp:	503939
Ion Ratio	Lower	Upper	
172	100		
171	34.8	29.4	44.0
170	23.3	19.9	29.9





#49

Acenaphthylene

Concen: 4.368 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF113893.D

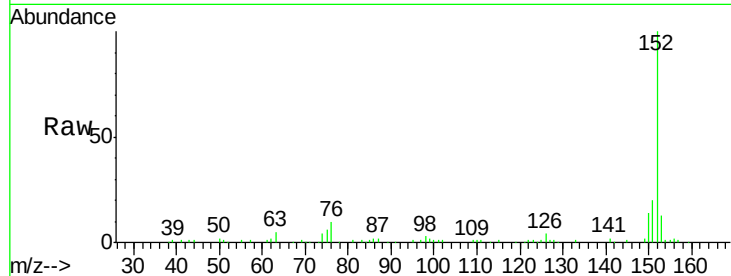
Acq: 22 Apr 2019 22:17

Instrument :

BNA_F

ClientSampleId :

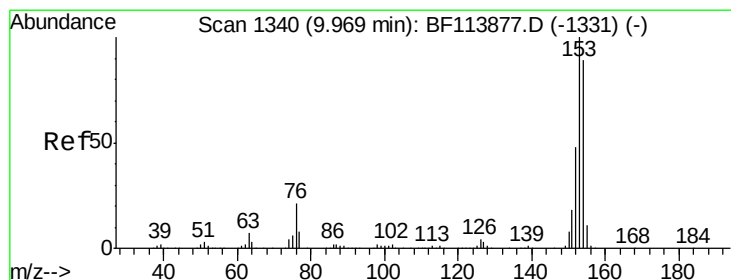
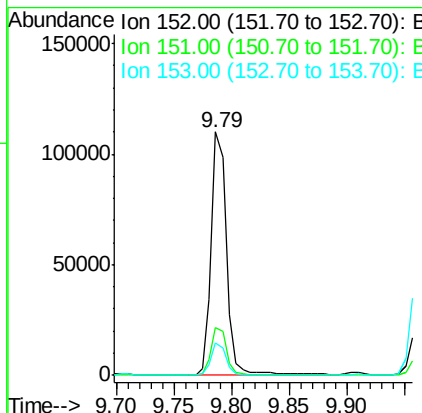
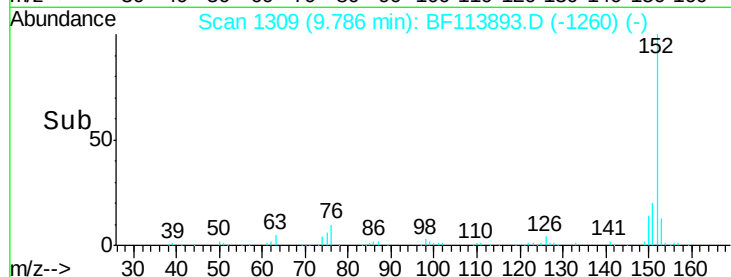
FK-EF-01-007-ABCD



Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	17.0	25.4
153	13.4	11.0	16.6

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#52

Acenaphthene

Concen: 2.205 ng

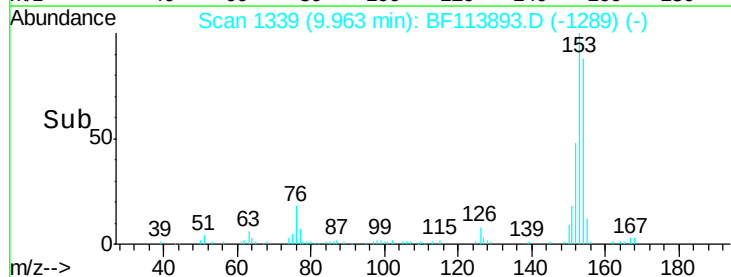
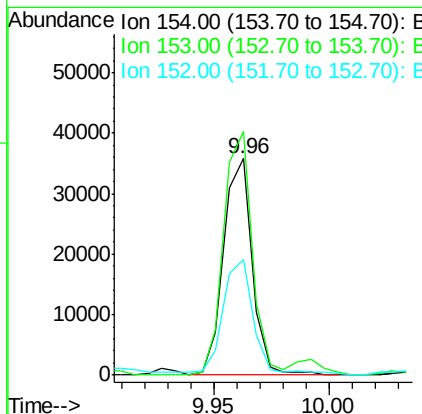
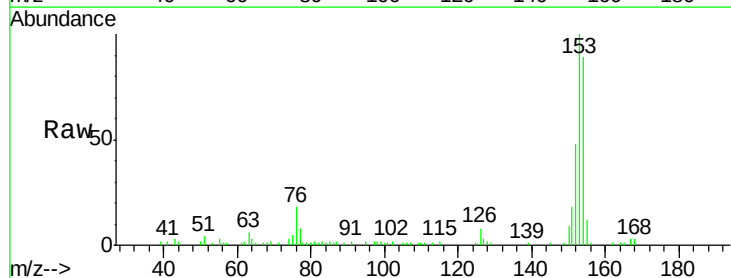
RT: 9.96 min Scan# 1339

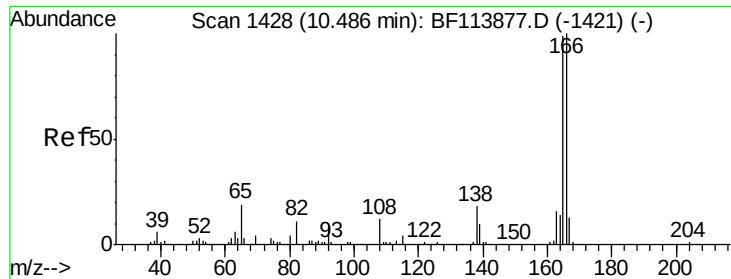
Delta R.T. -0.01 min

Lab File: BF113893.D

Acq: 22 Apr 2019 22:17

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.5	87.2	130.8
152	53.7	42.3	63.5





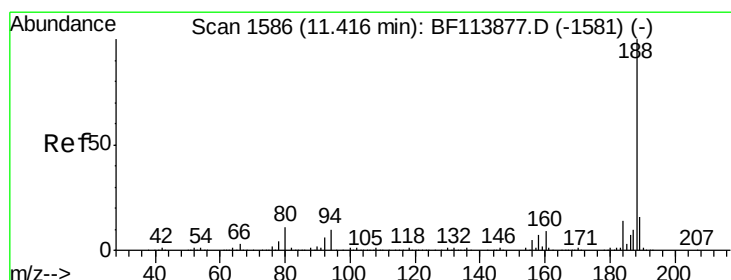
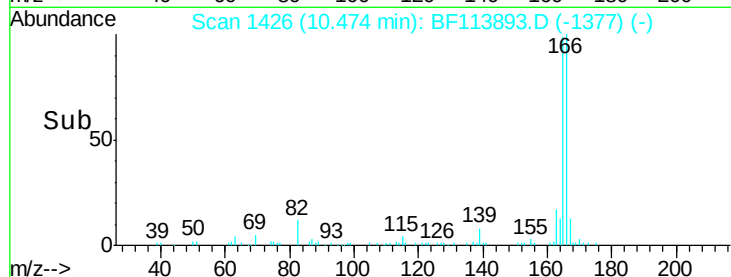
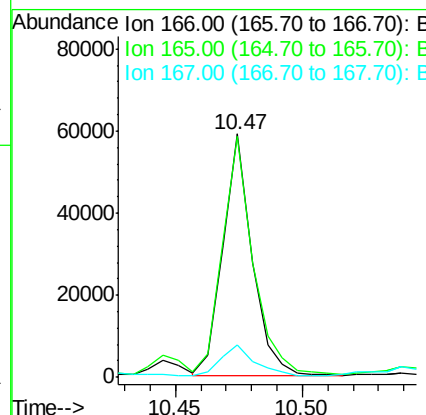
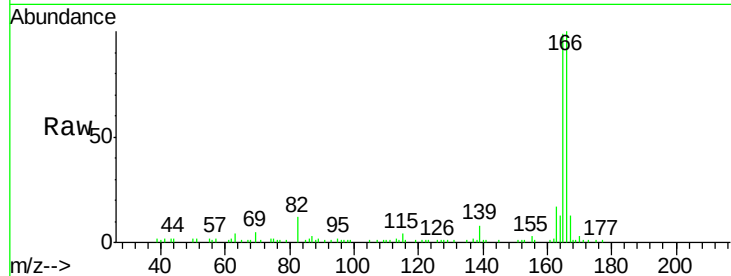
#58
 Fluorene
 Concen: 3.011 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BF113893.D
 Acq: 22 Apr 2019 22:17

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

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.4	117.6
167	13.3	10.9	16.3

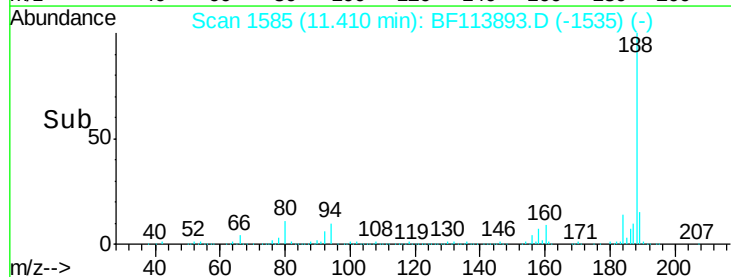
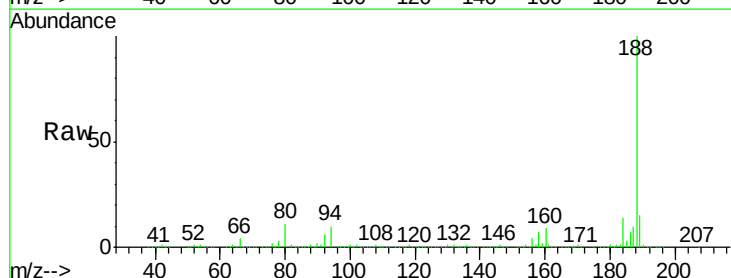
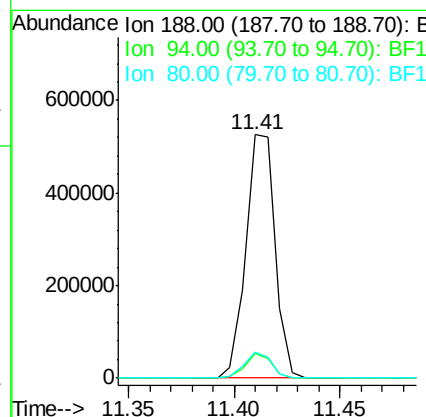
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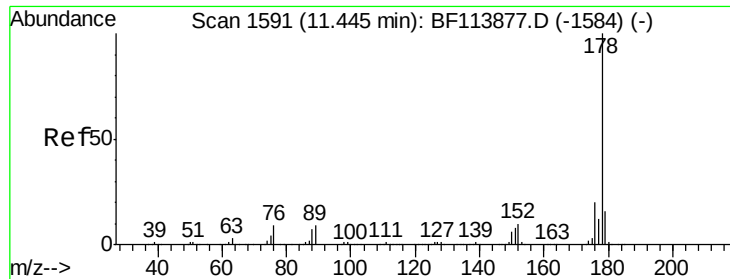
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF113893.D
 Acq: 22 Apr 2019 22:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.2	12.4
80	10.8	9.0	13.6





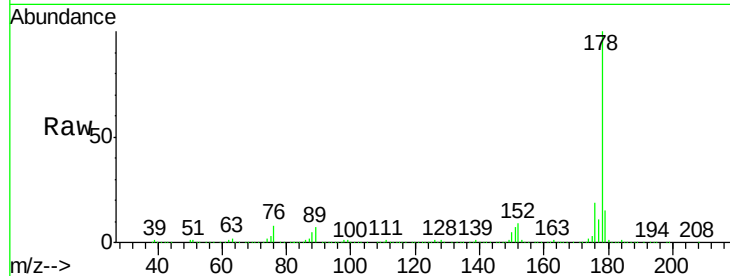
#71
Phenanthrene
Concen: 19.544 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF113893.D
Acq: 22 Apr 2019 22:17

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

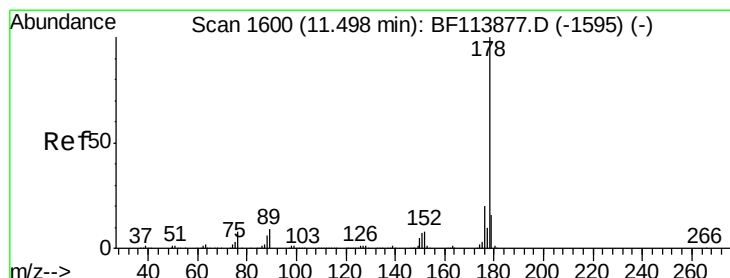
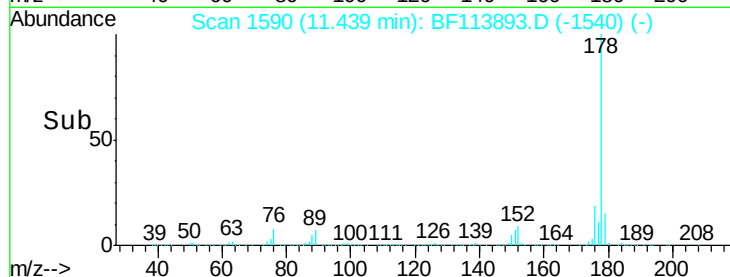
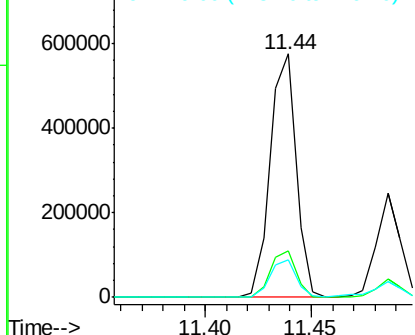
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.1	24.1
179	15.2	12.8	19.2

Manual Integrations
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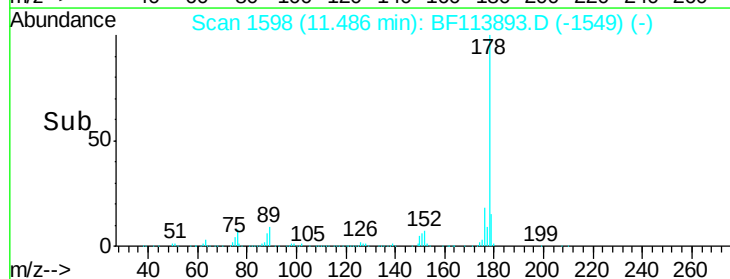
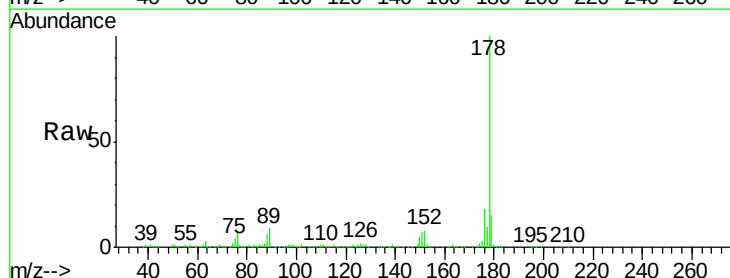
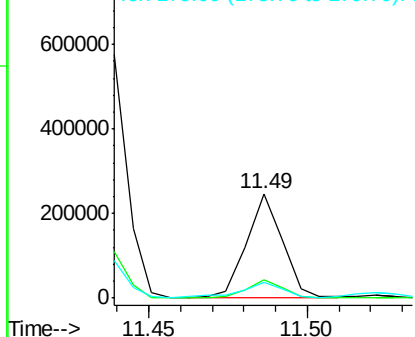
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

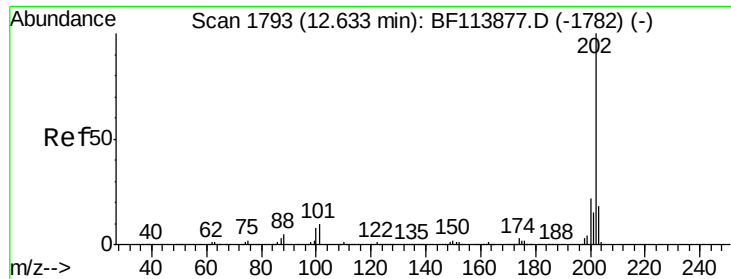


#72
Anthracene
Concen: 7.390 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF113893.D
Acq: 22 Apr 2019 22:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.7	23.5
179	14.8	13.0	19.4

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: 43.865 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF113893.D

Acq: 22 Apr 2019 22:17

Instrument :

BNA_F

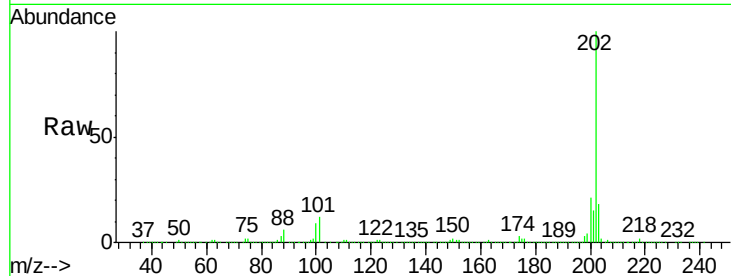
ClientSampleId :

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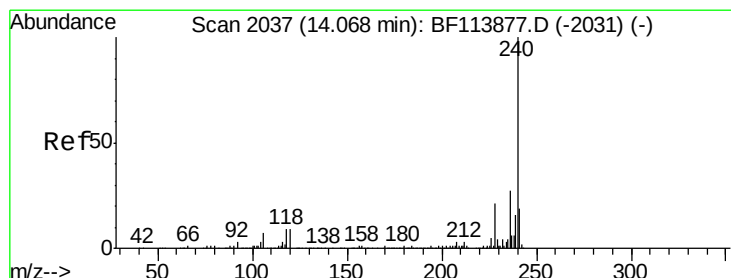
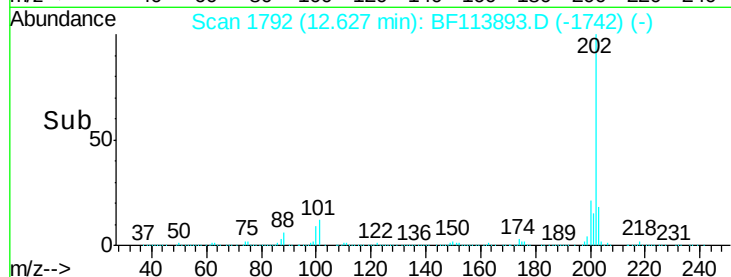
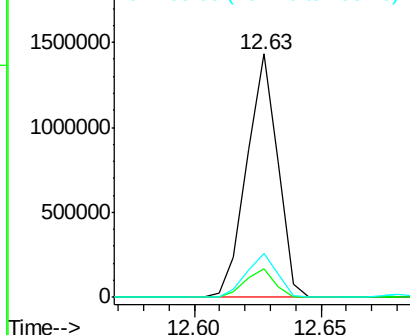
Tgt Ion:	202	Resp:	1214231
Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.9
203	18.1	0.0	38.2

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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

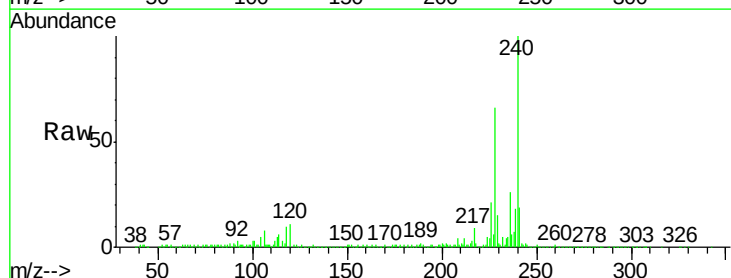
RT: 14.05 min Scan# 2034

Delta R.T. -0.02 min

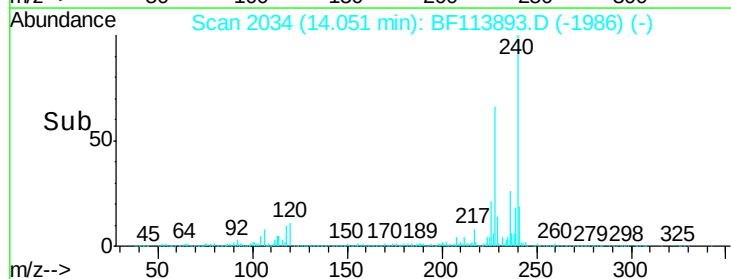
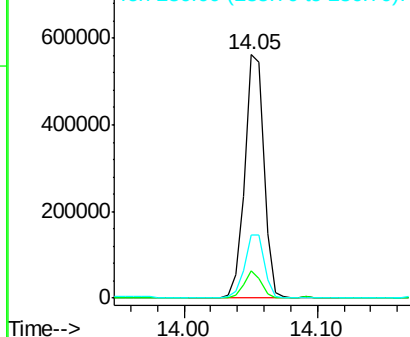
Lab File: BF113893.D

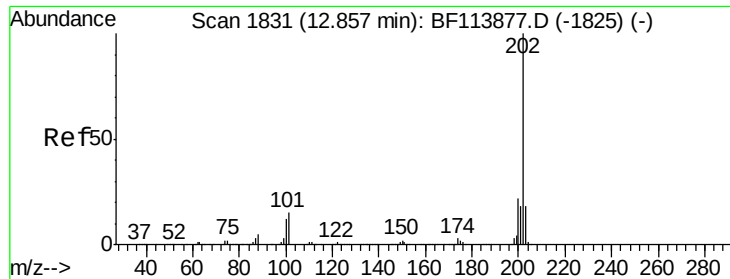
Acq: 22 Apr 2019 22:17

Tgt Ion:	240	Resp:	555126
Ion	Ratio	Lower	Upper
240	100		
120	11.1	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: 30.984 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF113893.D

Acq: 22 Apr 2019 22:17

Instrument :

BNA_F

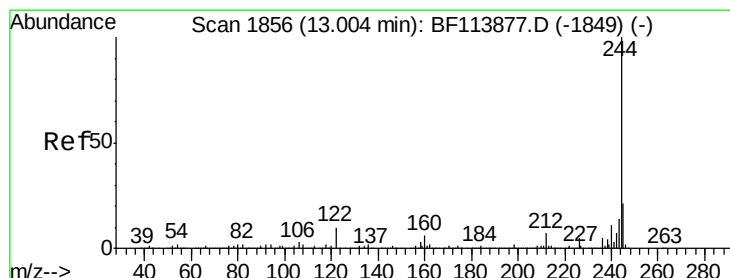
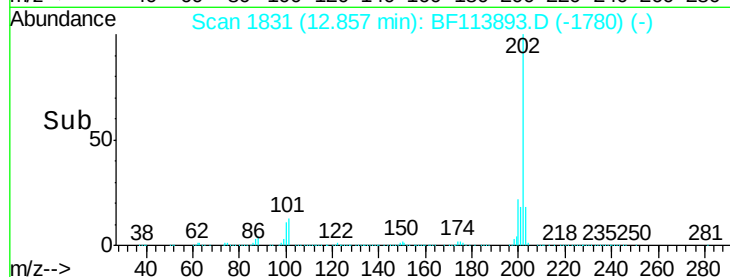
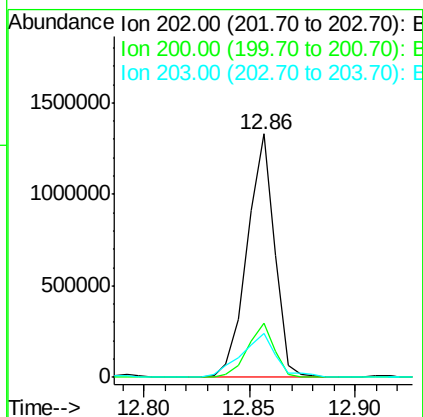
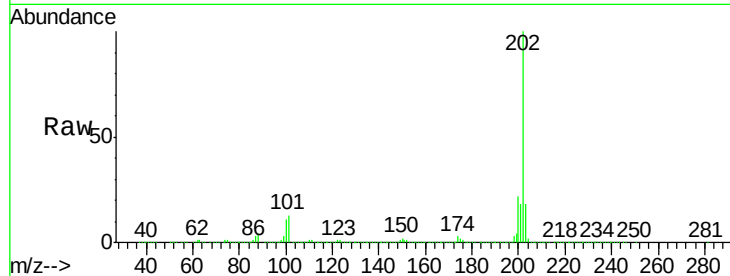
ClientSampleId :

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Tgt Ion:	202	Resp:	1202832
Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.7	26.5
203	18.2	15.0	22.6

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#79

Terphenyl-d14

Concen: 26.306 ng

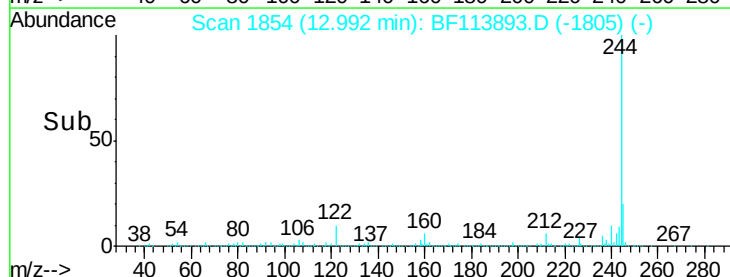
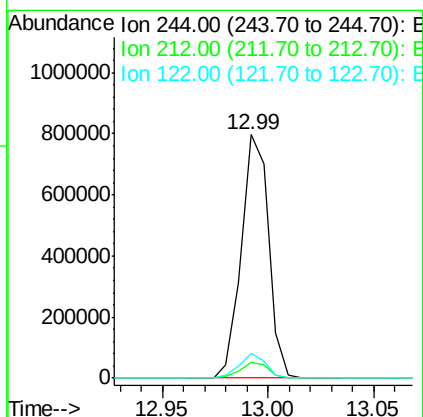
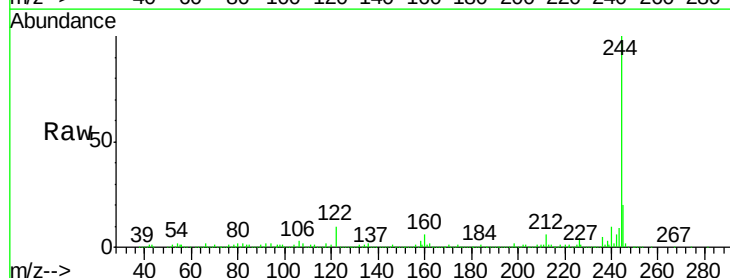
RT: 12.99 min Scan# 1854

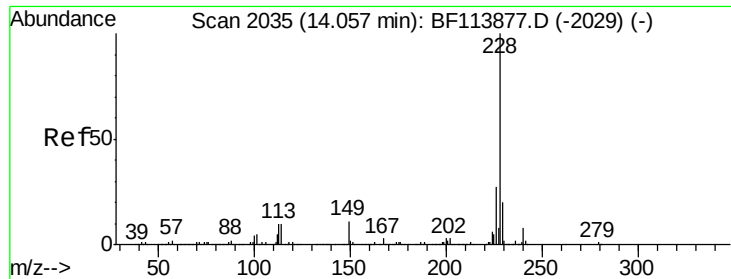
Delta R.T. -0.01 min

Lab File: BF113893.D

Acq: 22 Apr 2019 22:17

Tgt Ion:	244	Resp:	712300
Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.2
122	10.4	7.6	11.4





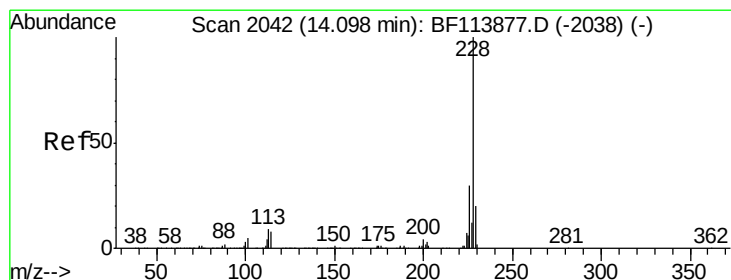
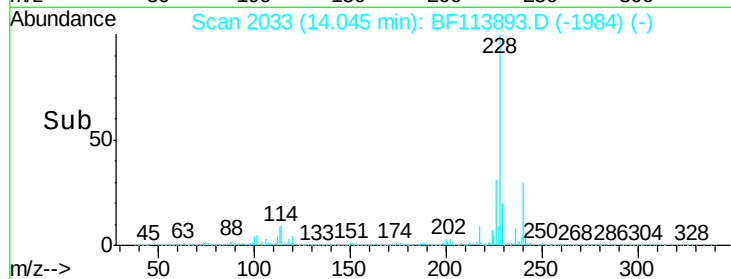
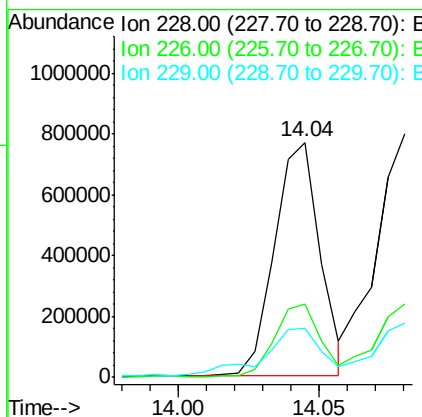
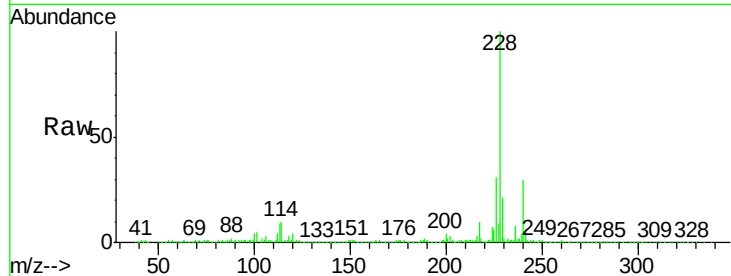
#81
Benzo(a)anthracene
Concen: 26.334 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF113893.D
Acq: 22 Apr 2019 22:17

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

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.2	33.2
229	21.1	16.0	24.0

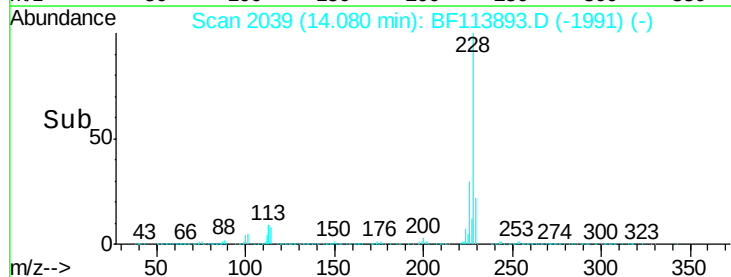
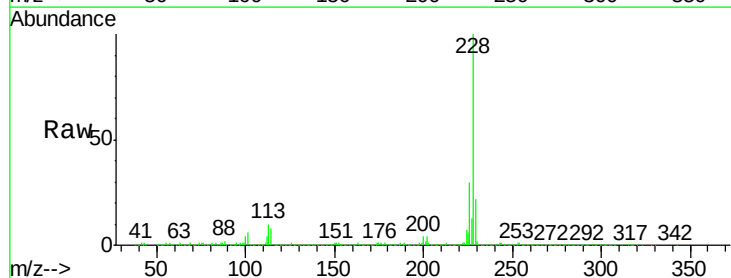
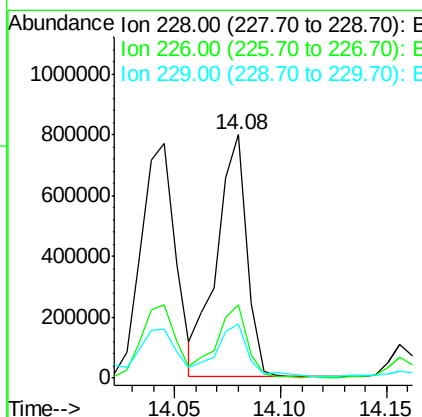
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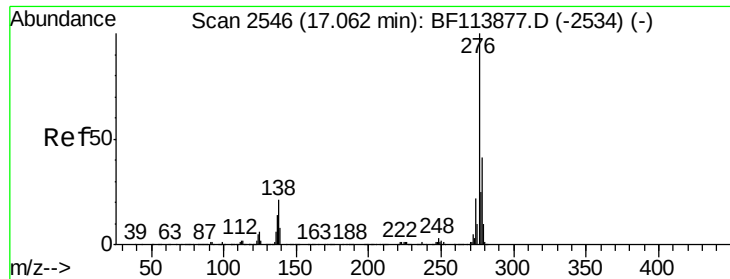
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#83
Chrysene
Concen: 24.650 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.02 min
Lab File: BF113893.D
Acq: 22 Apr 2019 22:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.2	37.8
229	22.5	16.7	25.1





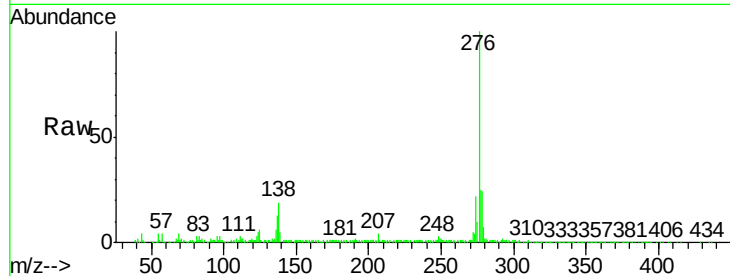
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 13.854 ng
 RT: 17.02 min Scan# 2539
 Delta R.T. -0.04 min
 Lab File: BF113893.D
 Acq: 22 Apr 2019 22:17

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

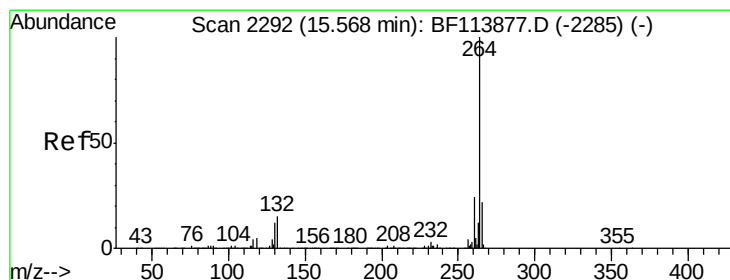
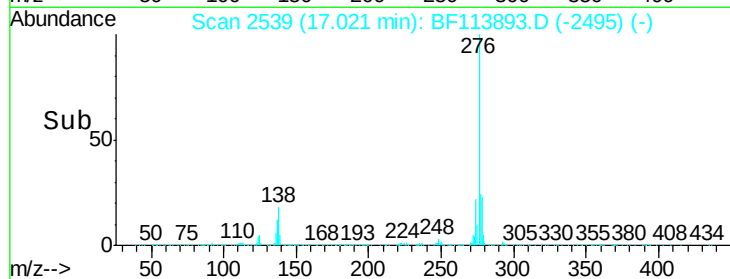
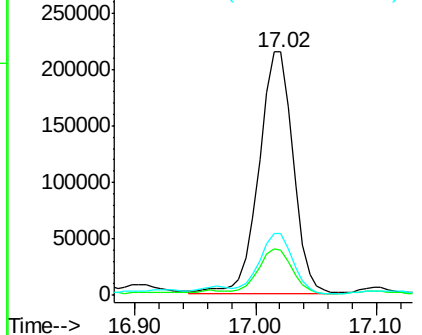
Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.4	19.6	29.4#
277	24.6	20.2	30.4

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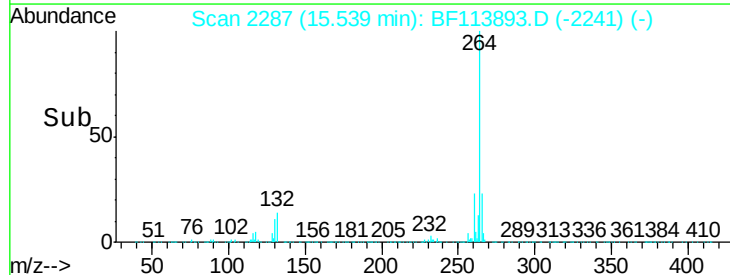
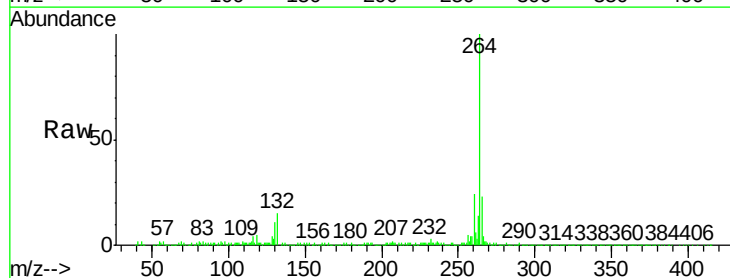
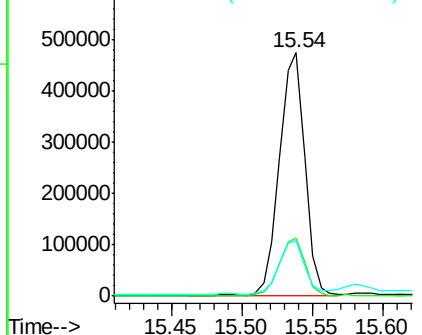
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

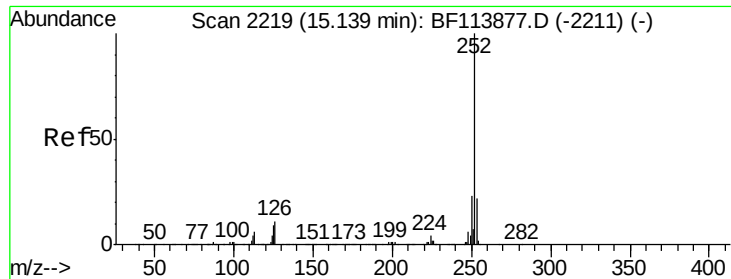


#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. -0.03 min
 Lab File: BF113893.D
 Acq: 22 Apr 2019 22:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	22.9	17.3	25.9

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





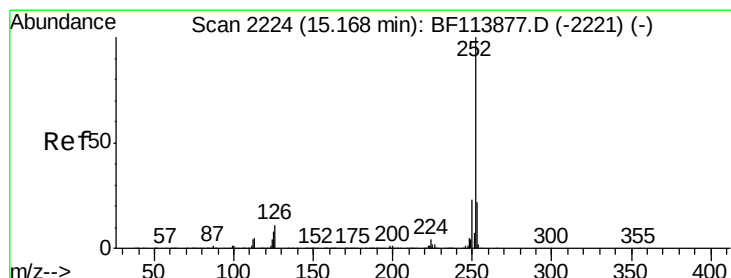
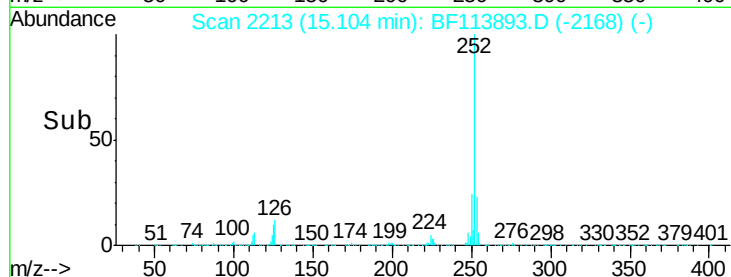
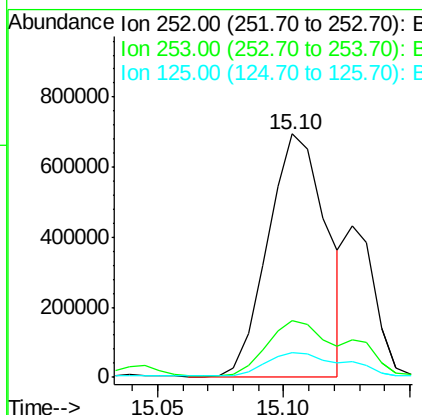
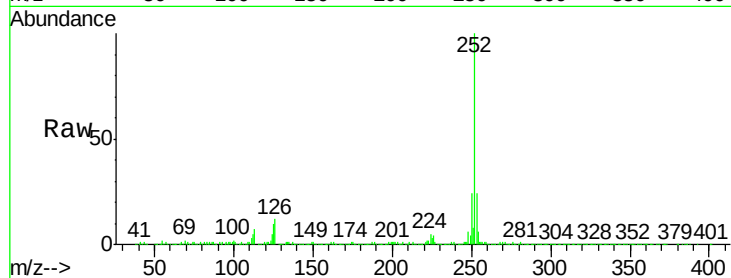
#88
Benzo(b)fluoranthene
Concen: 29.742 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF113893.D
Acq: 22 Apr 2019 22:17

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

Tgt Ion: 252 Resp: 1118194
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 10.3 7.0 10.6

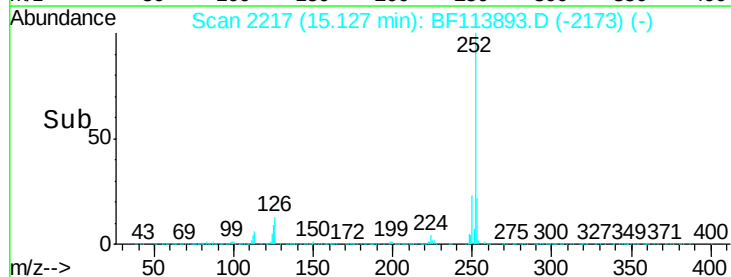
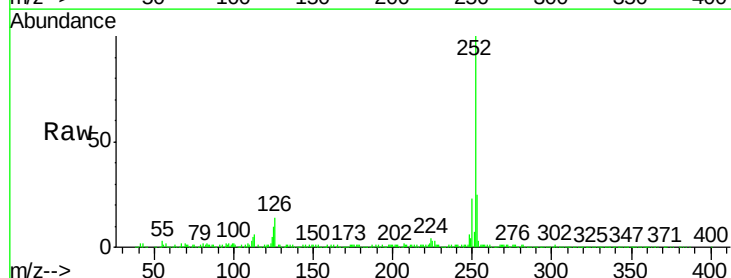
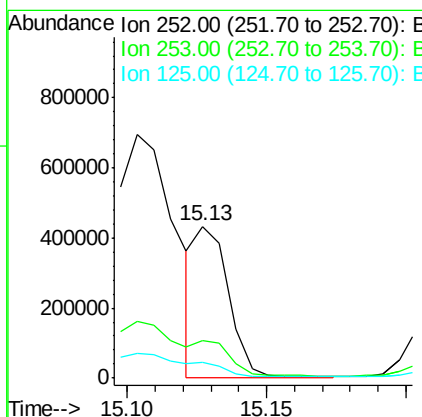
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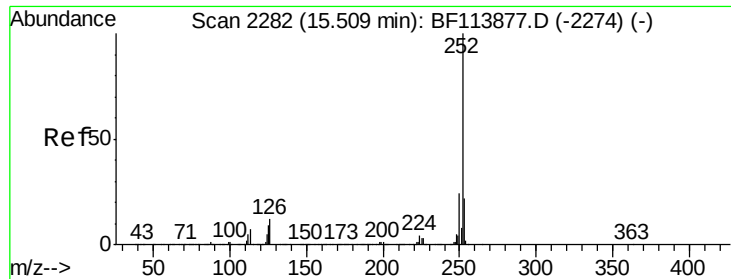
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#89
Benzo(k)fluoranthene
Concen: 10.775 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.04 min
Lab File: BF113893.D
Acq: 22 Apr 2019 22:17

Tgt Ion: 252 Resp: 348472
Ion Ratio Lower Upper
252 100
253 24.7 18.2 27.2
125 10.1 7.4 11.2





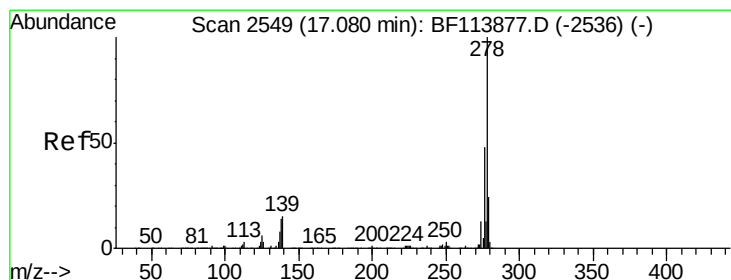
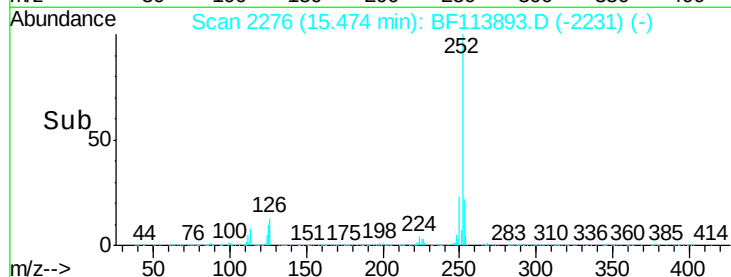
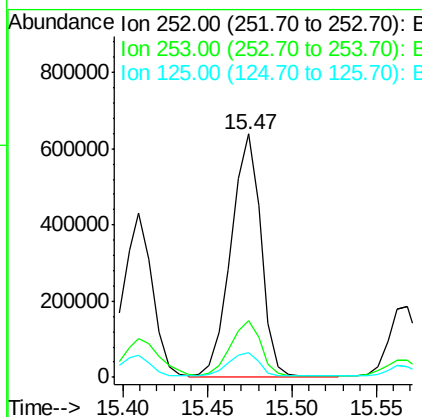
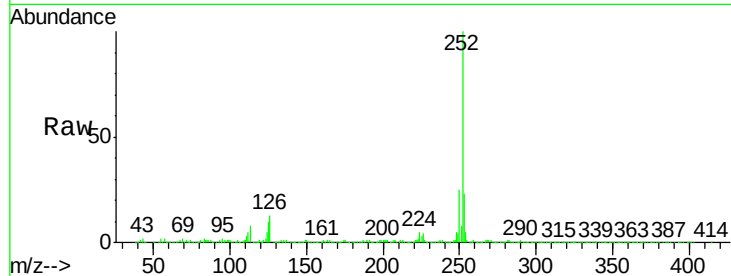
#90
Benzo(a)pyrene
Concen: 24.040 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.04 min
Lab File: BF113893.D
Acq: 22 Apr 2019 22:17

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.1	17.5	26.3
125	10.1	8.5	12.7

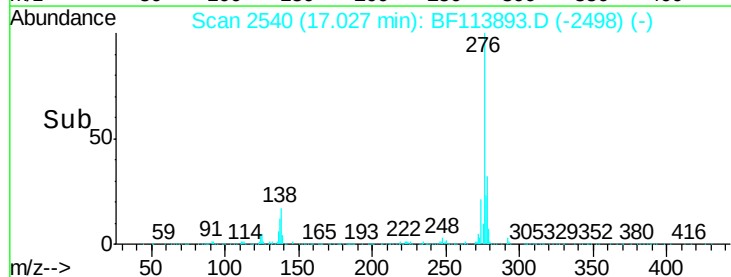
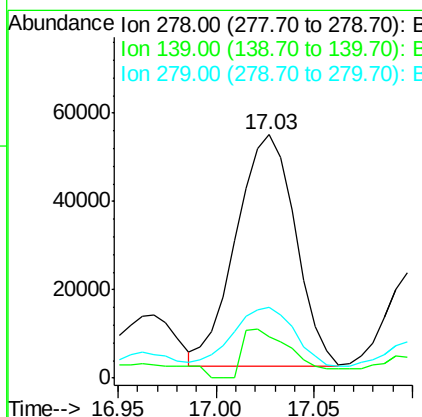
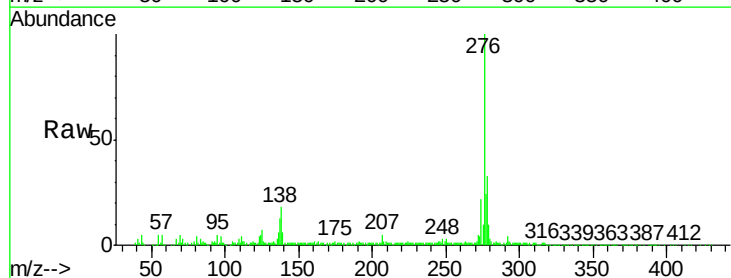
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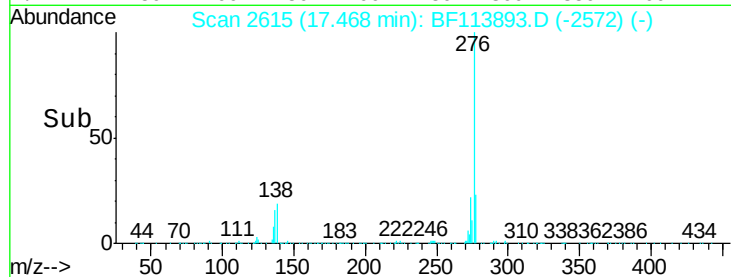
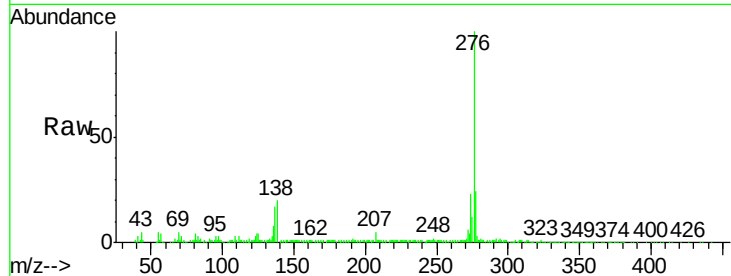
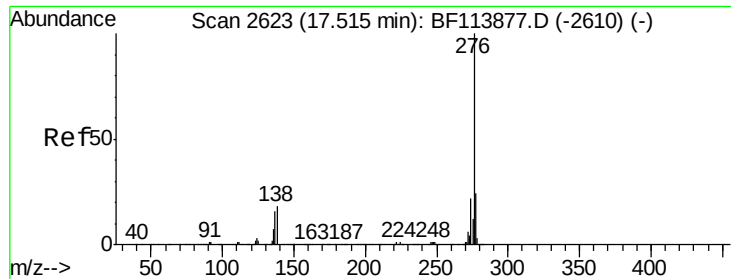
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#91
Dibenzo(a,h)anthracene
Concen: 3.611 ng m
RT: 17.03 min Scan# 2540
Delta R.T. -0.05 min
Lab File: BF113893.D
Acq: 22 Apr 2019 22:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	17.2	11.6	17.4
279	28.9	19.0	28.6





#92
Benzo(g,h,i)perylene
Concen: 12.142 ng
RT: 17.47 min Scan# 2615
Delta R.T. -0.05 min
Lab File: BF113893.D
Acq: 22 Apr 2019 22:17

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

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.4
138	20.2	16.6	25.0

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