

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
 Data File : BF113524.D
 Acq On : 3 Apr 2019 00:10
 Operator : JU/SJ
 Sample : K2184-01 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-0D015-03-001

Manual Integrations
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 4/3/2019 12:42:52 PM

Quant Time: Apr 03 08:26:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	126814	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	460678	20.00	ng	-0.01
39) Acenaphthene-d10	9.72	164	192214	20.00	ng	-0.02
64) Phenanthrene-d10	11.20	188	348294	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	321076	20.00	ng	-0.01
87) Perylene-d12	15.24	264	217460	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	193872	25.00	ng	-0.02
7) Phenol-d6	6.33	99	366398	37.34	ng	-0.02
23) Nitrobenzene-d5	7.25	82	202150	26.05	ng	-0.02
42) 2,4,6-Tribromophenol	10.51	330	25609	10.79	ng	-0.02
45) 2-Fluorobiphenyl	9.05	172	397695	18.66	ng	-0.02
79) Terphenyl-d14	12.78	244	405348	27.83	ng	-0.02
Target Compounds						
31) Naphthalene	7.99	128	65125	2.893	ng	98
37) 2-Methylnaphthalene	8.69	142	34618	2.464	ng	98
50) Dimethylphthalate	9.44	163	33198	2.331	ng	98
58) Fluorene	10.27	166	31866	2.424	ng	97
71) Phenanthrene	11.22	178	211401	12.222	ng	98
72) Anthracene	11.27	178	52095	2.965	ng	98
75) Fluoranthene	12.41	202	275767	14.103	ng	99
78) Pyrene	12.64	202	255229	11.471	ng	99
81) Benzo(a)anthracene	13.82	228	115574	6.288	ng	95
83) Chrysene	13.86	228	111511m	5.973	ng	
86) Indeno(1,2,3-cd)pyrene	16.61	276	38645	2.412	ng	98
88) Benzo(b)fluoranthene	14.84	252	94890m	7.024	ng	
89) Benzo(k)fluoranthene	14.87	252	33439m	2.819	ng	
90) Benzo(a)pyrene	15.19	252	64918	5.421	ng	# 81
92) Benzo(g,h,i)perylene	17.02	276	38576	3.695	ng	# 82

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

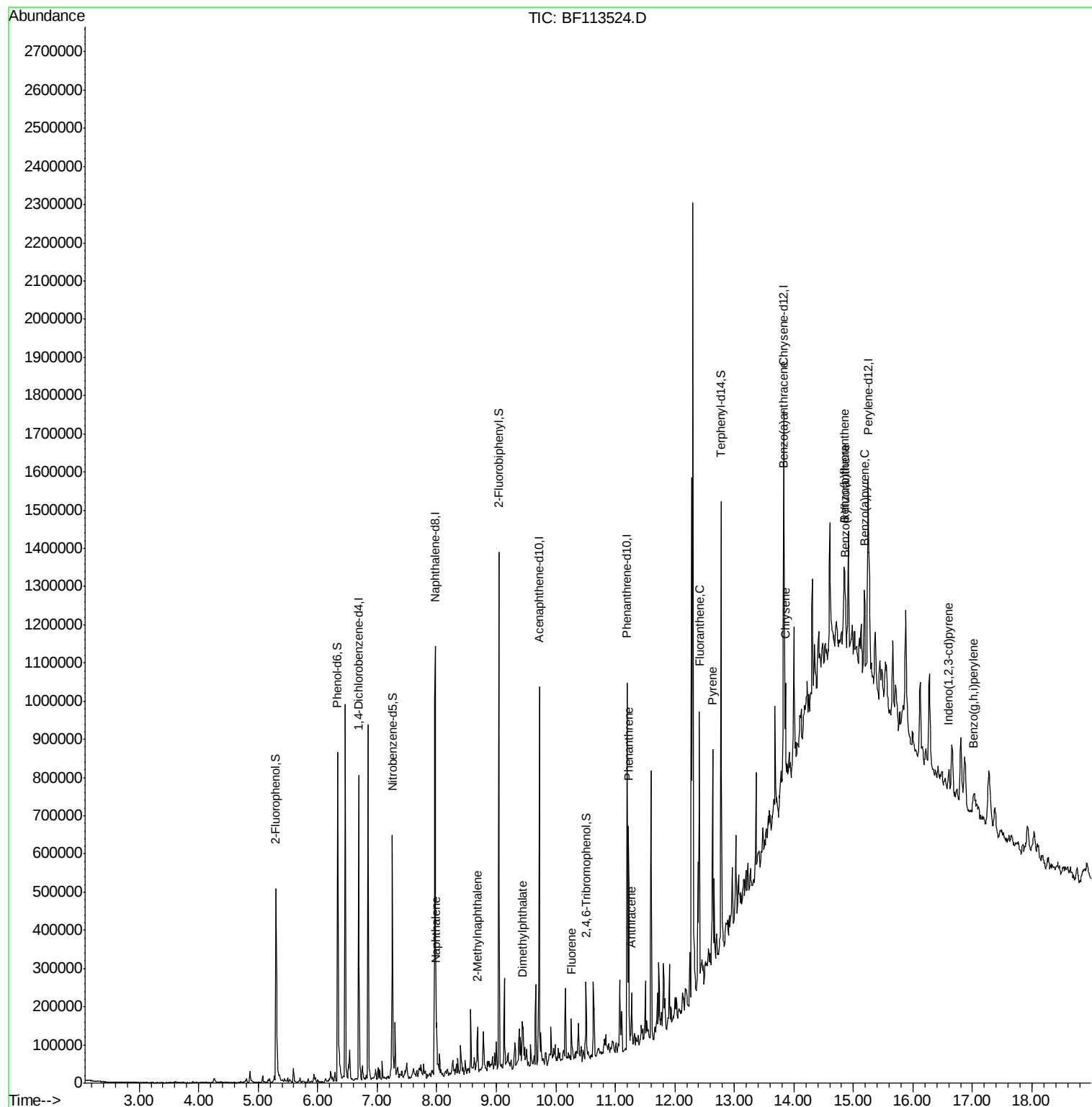
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
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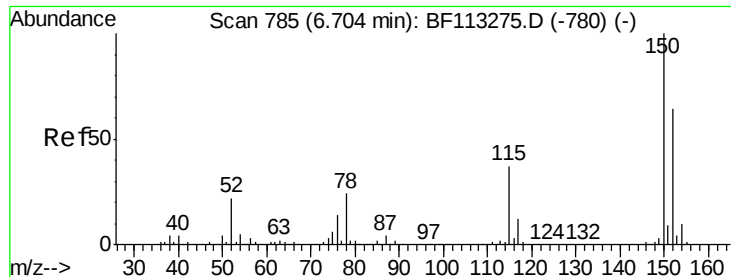
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#1

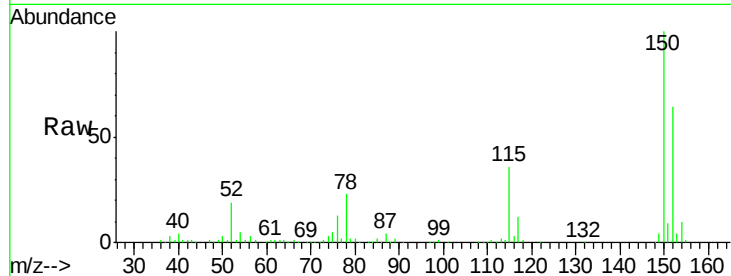
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF113524.D
Acq: 3 Apr 2019 00:10

Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-001

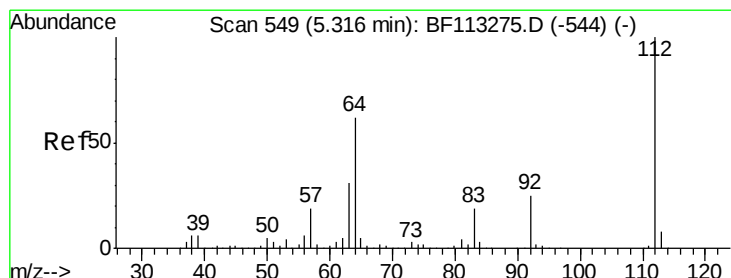
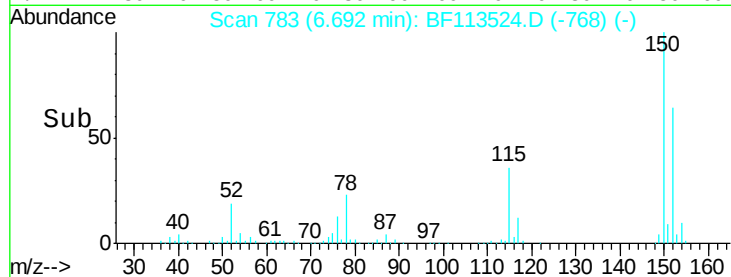
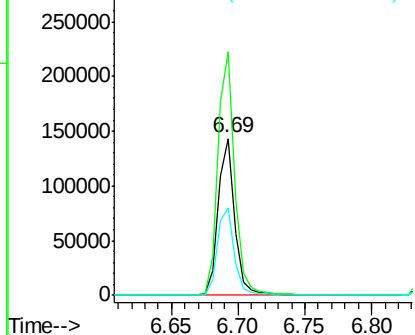
Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.7	187.1
115	55.6	46.0	69.0

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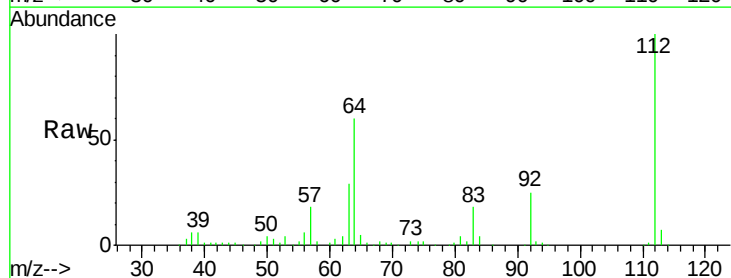
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



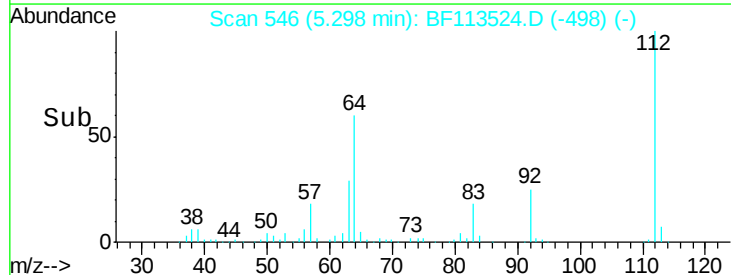
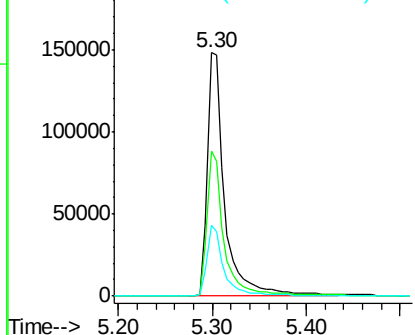
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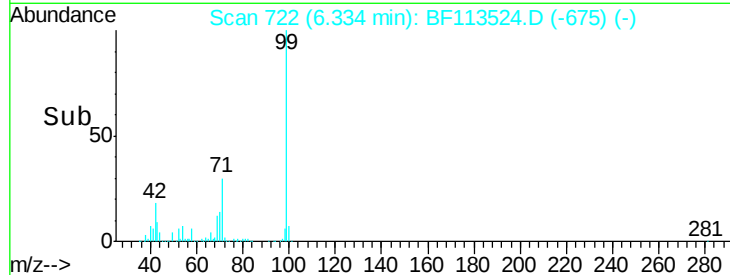
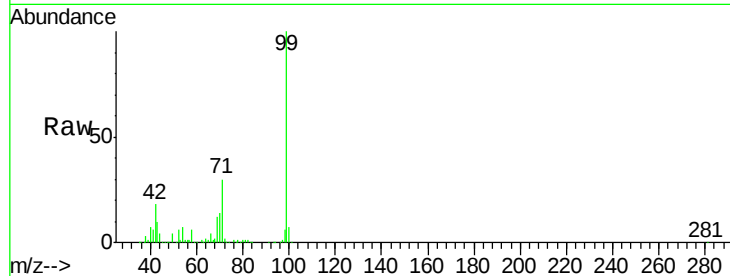
2-Fluorophenol
Concen: 24.998 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.02 min
Lab File: BF113524.D
Acq: 3 Apr 2019 00:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	49.2	73.8
63	29.1	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: 37.345 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF113524.D

Acq: 3 Apr 2019 00:10

Tgt Ion:	99	Resp:	366398
Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.8	22.2
71	29.7	24.9	37.3

Instrument :

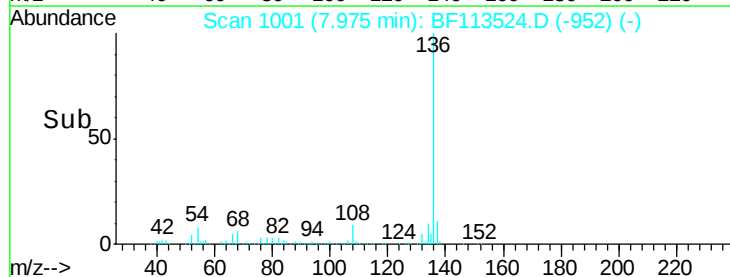
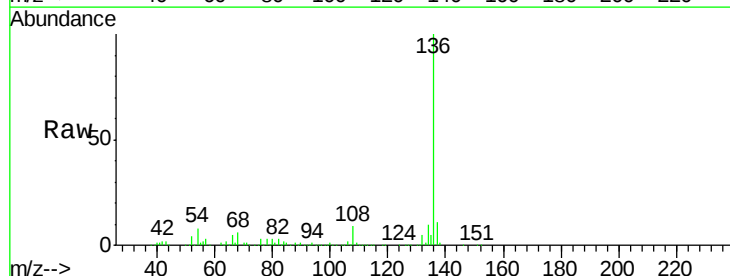
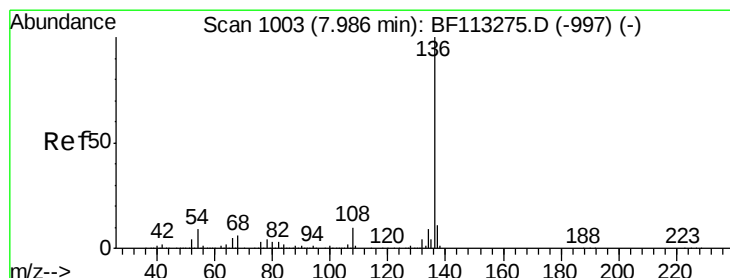
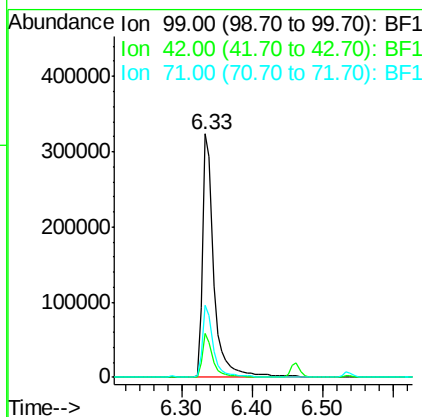
BNA_F

ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.000 ng

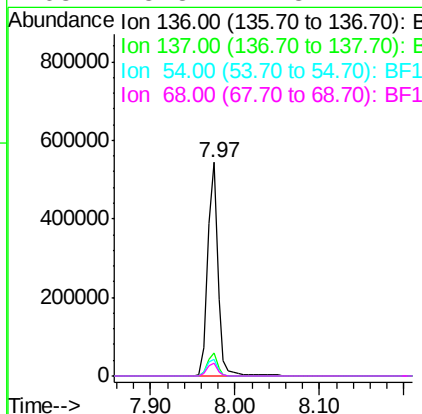
RT: 7.97 min Scan# 1001

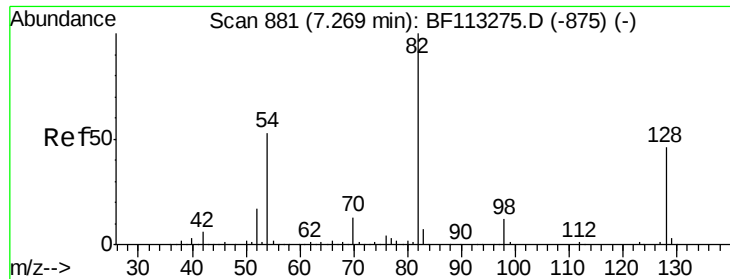
Delta R.T. -0.01 min

Lab File: BF113524.D

Acq: 3 Apr 2019 00:10

Tgt Ion:	136	Resp:	460678
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.6	7.0	10.6
68	5.8	4.8	7.2





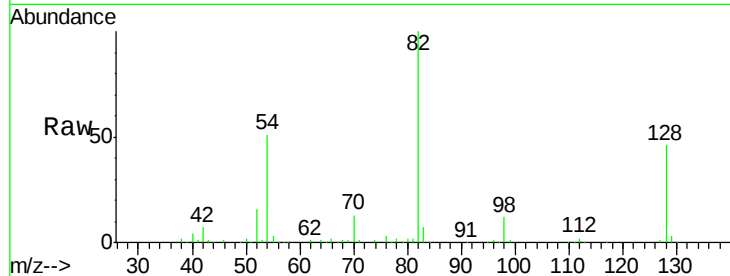
#23
Nitrobenzene-d5
Concen: 26.045 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.02 min
Lab File: BF113524.D
Acq: 3 Apr 2019 00:10

Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-001

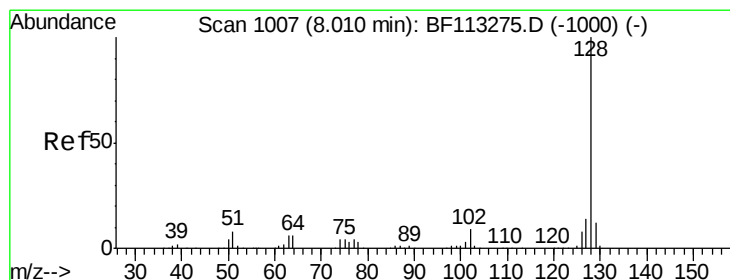
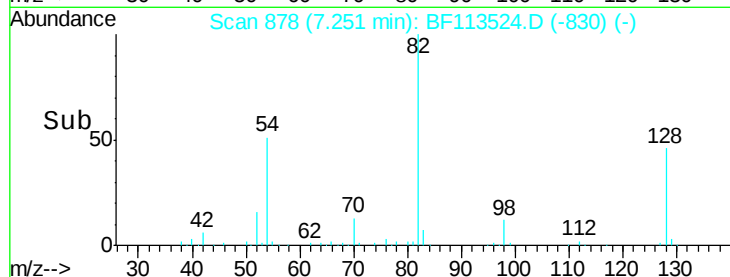
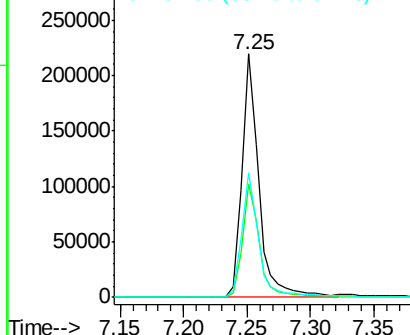
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	202150		
128	46.4	36.5	54.7	
54	51.2	42.2	63.2	

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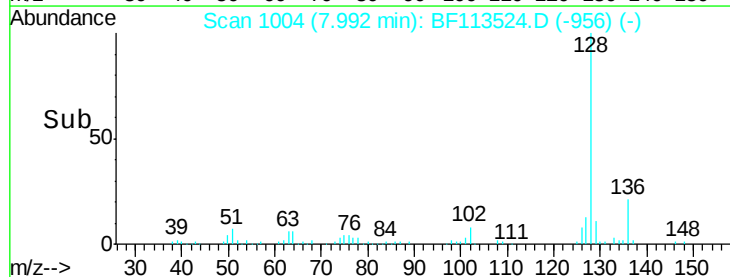
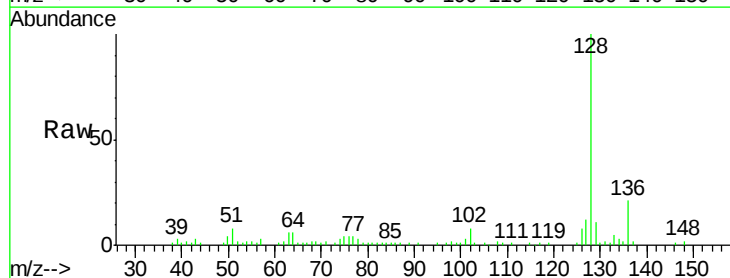
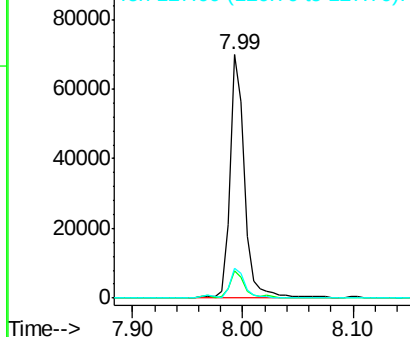
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

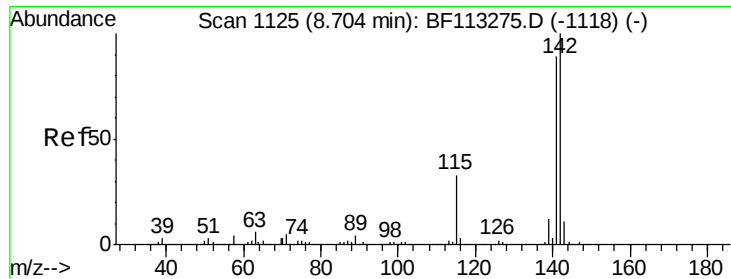


#31
Naphthalene
Concen: 2.893 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BF113524.D
Acq: 3 Apr 2019 00:10

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	65125		
129	11.0	9.3	13.9	
127	12.5	10.9	16.3	

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





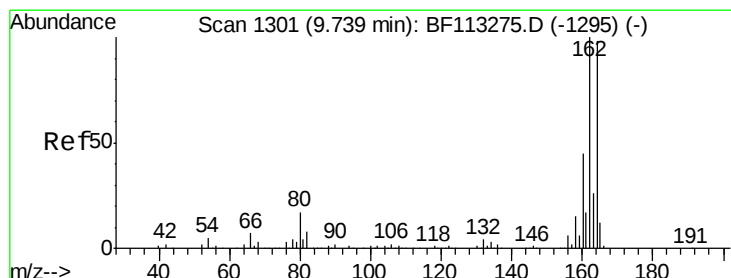
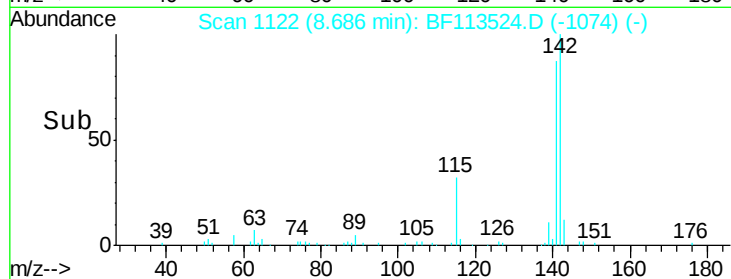
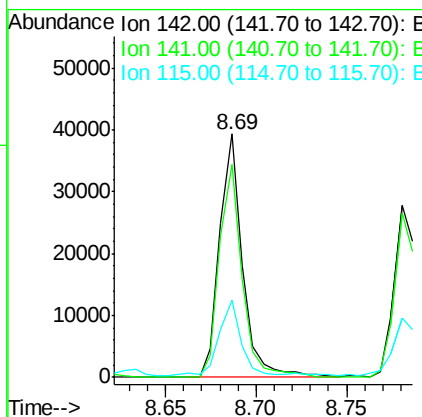
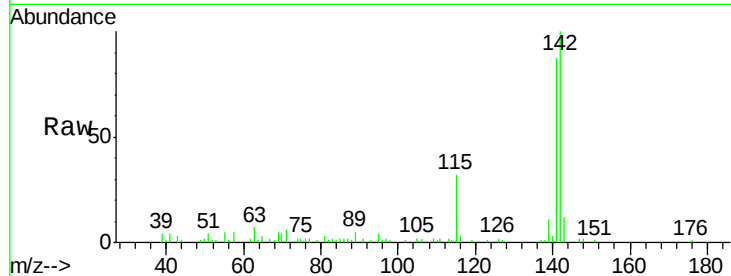
#37
2-Methylnaphthalene
Concen: 2.464 ng
RT: 8.69 min Scan# 1122
Delta R.T. -0.02 min
Lab File: BF113524.D
Acq: 3 Apr 2019 00:10

Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-001

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.2	71.0	106.6
115	31.6	26.6	39.8

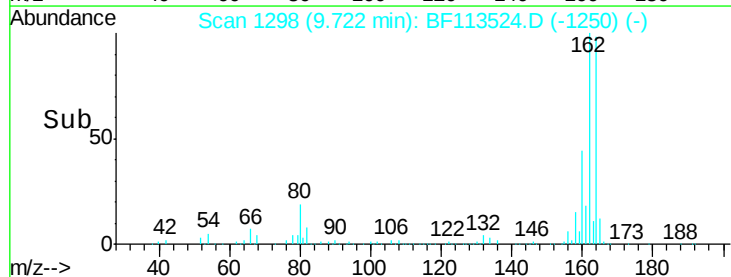
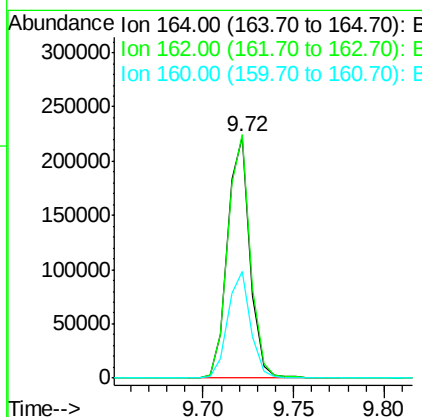
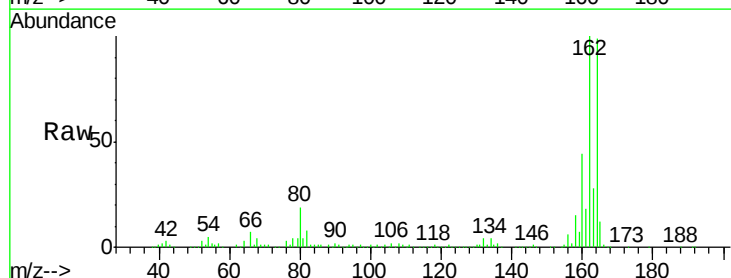
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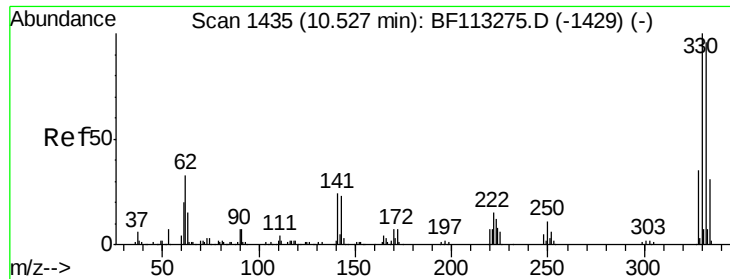
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF113524.D
Acq: 3 Apr 2019 00:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.8	122.6
160	44.4	36.4	54.6





#42

2,4,6-Tribromophenol

Concen: 10.786 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.02 min

Lab File: BF113524.D

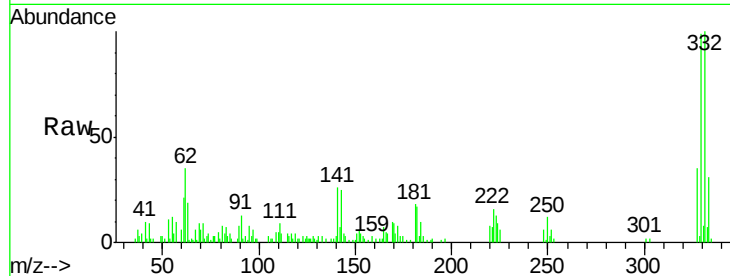
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Instrument :

BNA_F

ClientSampleId :

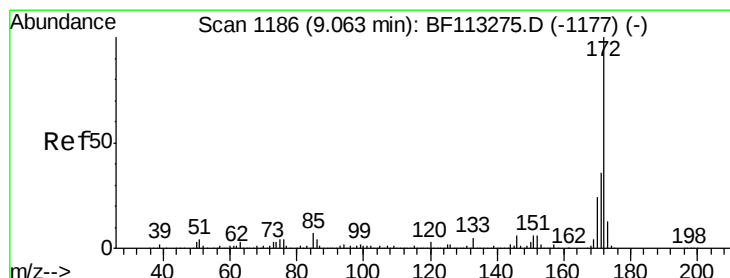
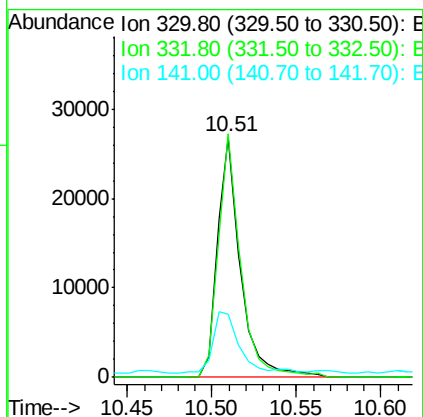
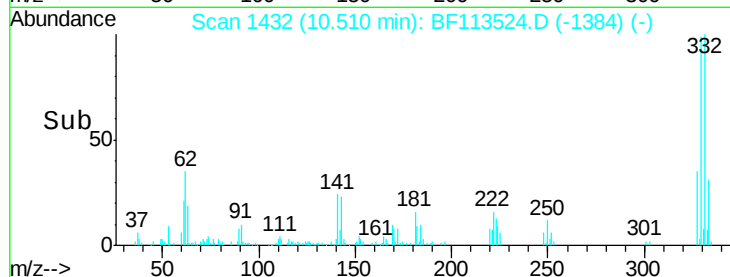
FK-0D015-03-001



Tgt Ion:	330	Resp:	25609
Ion Ratio	Lower	Upper	
330	100		
332	99.1	77.8	116.6
141	29.0	22.7	34.1

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#45

2-Fluorobiphenyl

Concen: 18.665 ng

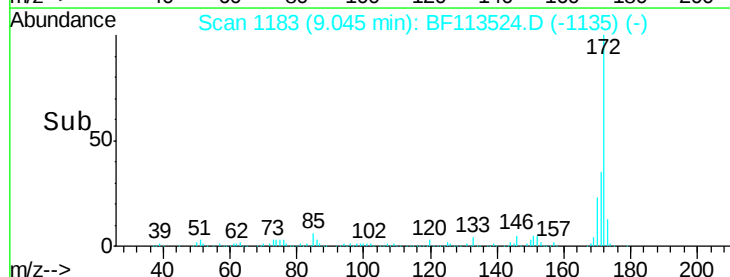
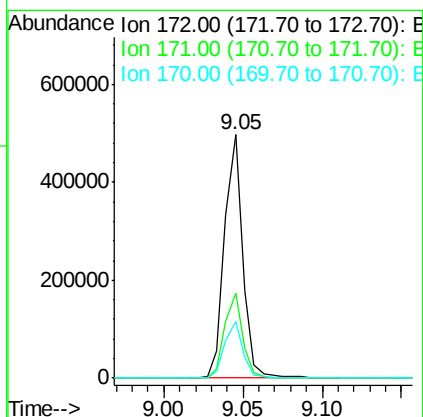
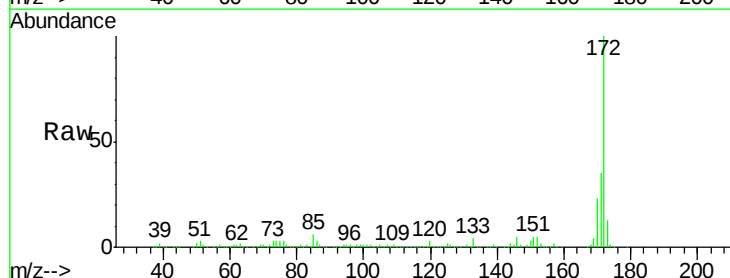
RT: 9.05 min Scan# 1183

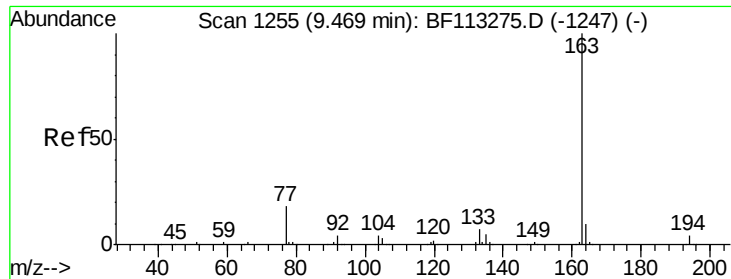
Delta R.T. -0.02 min

Lab File: BF113524.D

Acq: 3 Apr 2019 00:10

Tgt Ion:	172	Resp:	397695
Ion Ratio	Lower	Upper	
172	100		
171	34.8	29.0	43.6
170	23.5	19.5	29.3





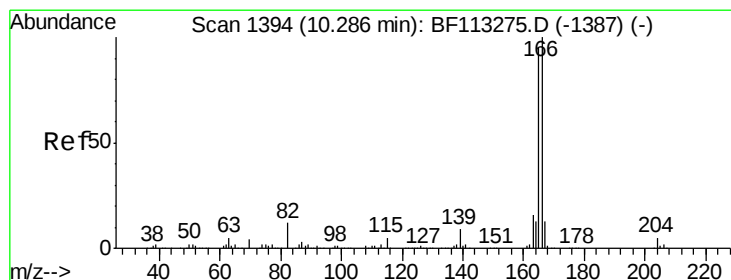
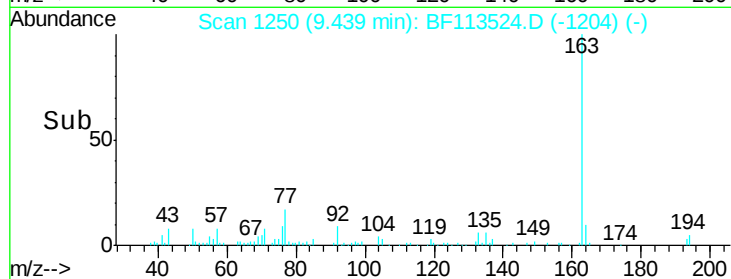
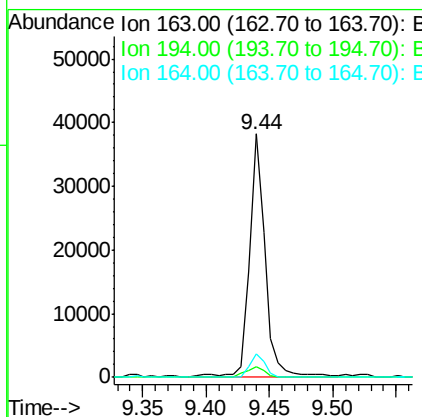
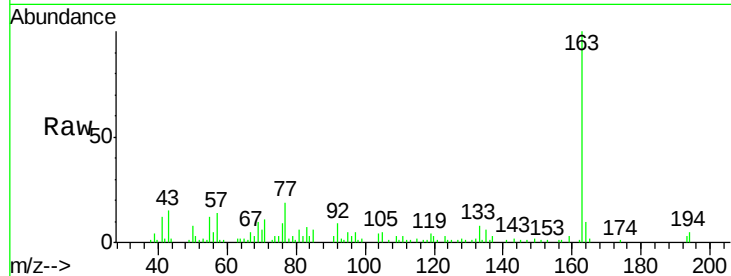
#50
Dimethylphthalate
Concen: 2.331 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.03 min
Lab File: BF113524.D
Acq: 3 Apr 2019 00:10

Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-001

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	33198		
194	4.5	3.0	4.6	
164	9.6	8.1	12.1	

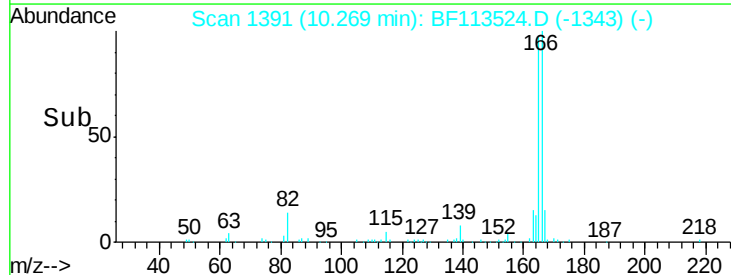
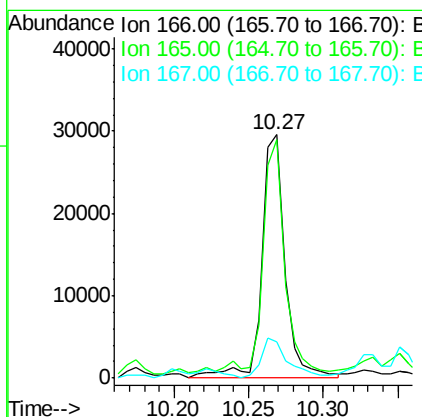
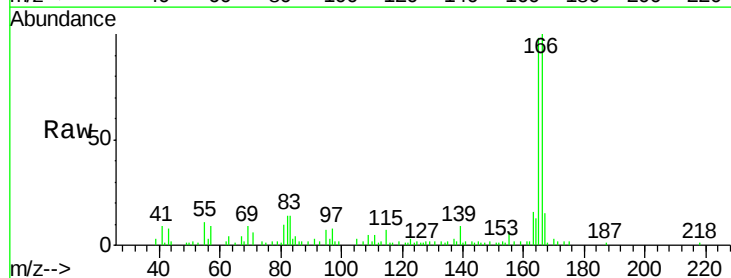
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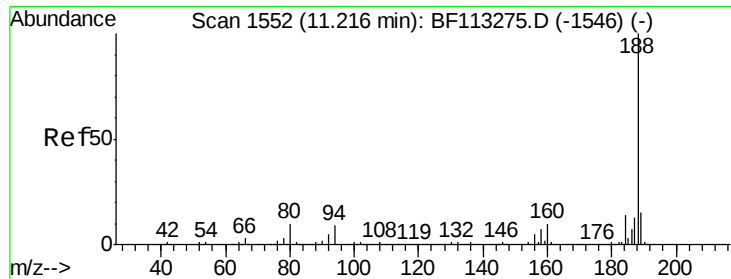
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#58
Fluorene
Concen: 2.424 ng
RT: 10.27 min Scan# 1391
Delta R.T. -0.02 min
Lab File: BF113524.D
Acq: 3 Apr 2019 00:10

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	31866		
165	97.8	76.2	114.2	
167	15.1	10.7	16.1	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.02 min

Lab File: BF113524.D

Acq: 3 Apr 2019 00:10

Instrument :

BNA_F

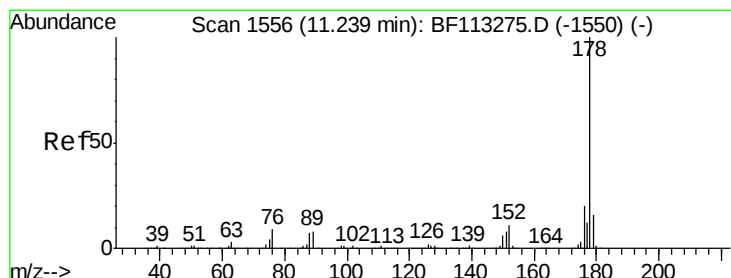
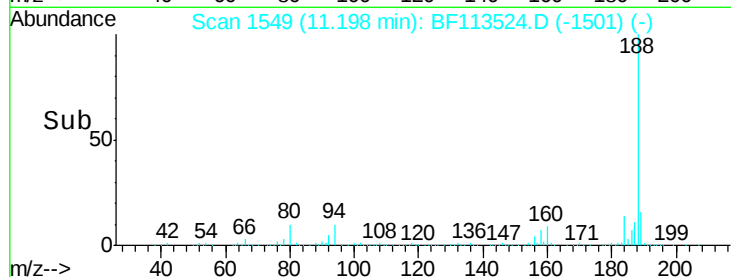
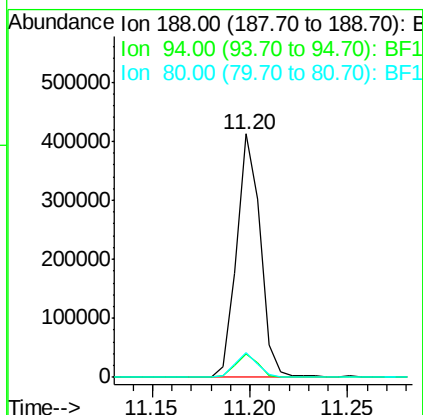
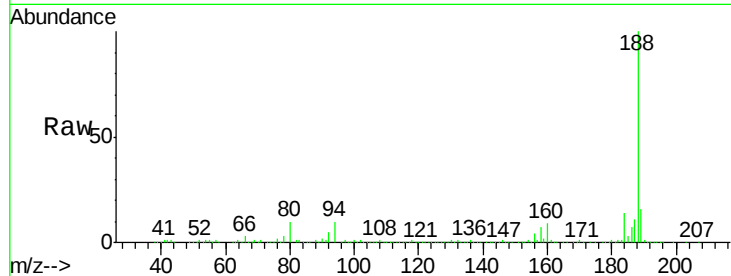
ClientSampleId :

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Tgt Ion:	188	Resp:	348294
Ion Ratio	Lower	Upper	
188	100		
94	9.8	7.0	10.6
80	10.3	7.7	11.5

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#71

Phenanthrene

Concen: 12.222 ng

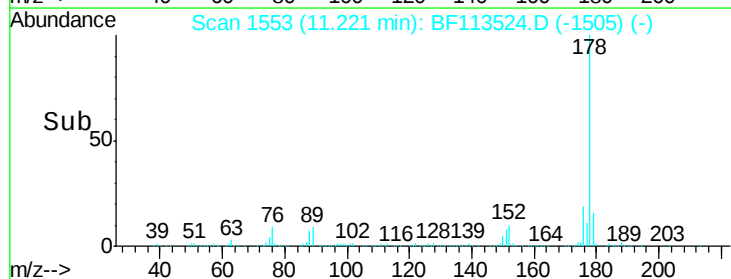
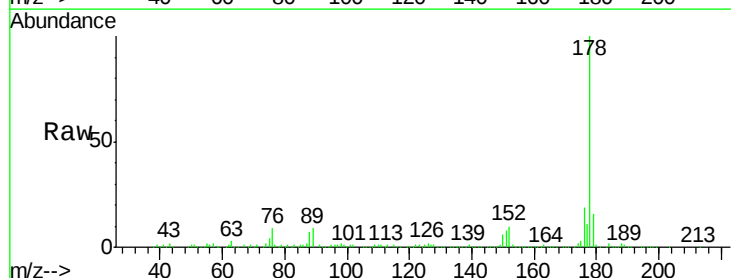
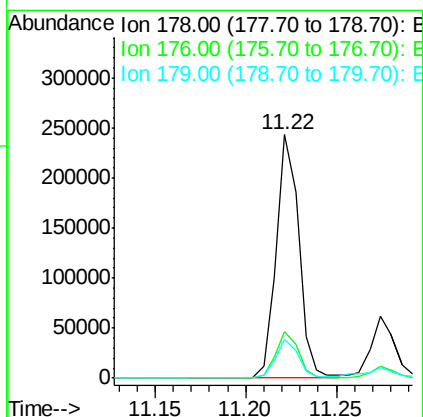
RT: 11.22 min Scan# 1553

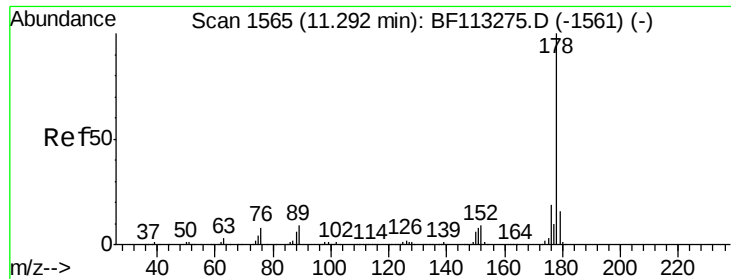
Delta R.T. -0.02 min

Lab File: BF113524.D

Acq: 3 Apr 2019 00:10

Tgt Ion:	178	Resp:	211401
Ion Ratio	Lower	Upper	
178	100		
176	19.0	16.2	24.2
179	15.9	12.7	19.1





#72

Anthracene

Concen: 2.965 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BF113524.D

Acq: 3 Apr 2019 00:10

Instrument :

BNA_F

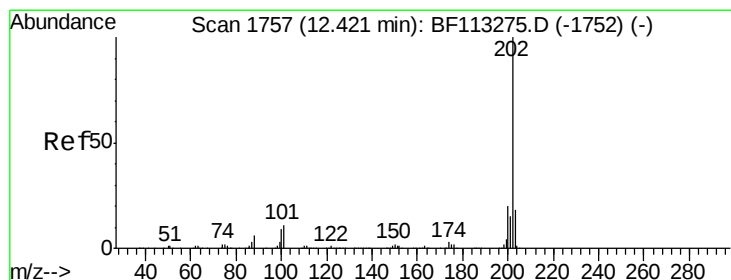
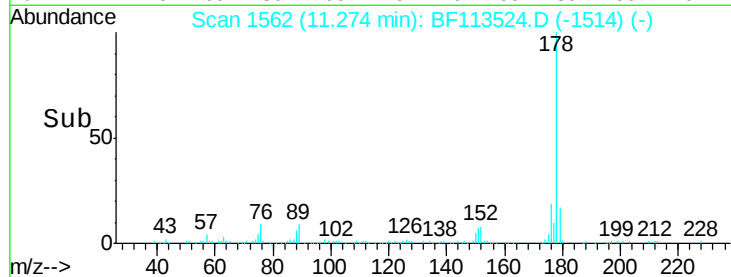
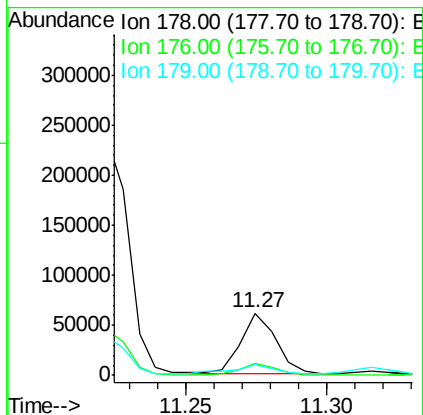
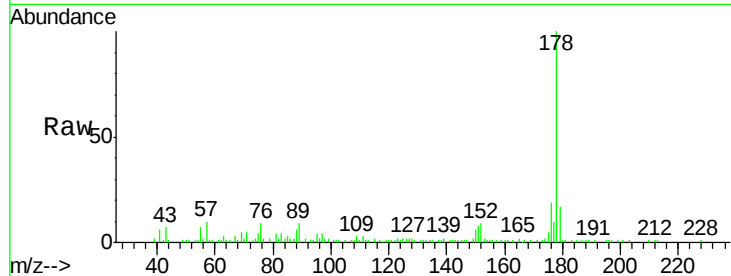
ClientSampleId :

FK-0D015-03-001

Tgt Ion:	178	Resp:	52095
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.4	23.2
179	17.0	12.8	19.2

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#75

Fluoranthene

Concen: 14.103 ng

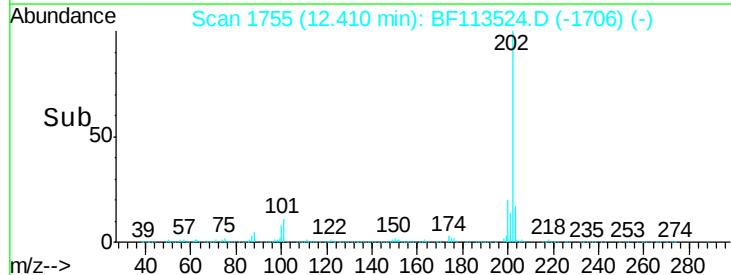
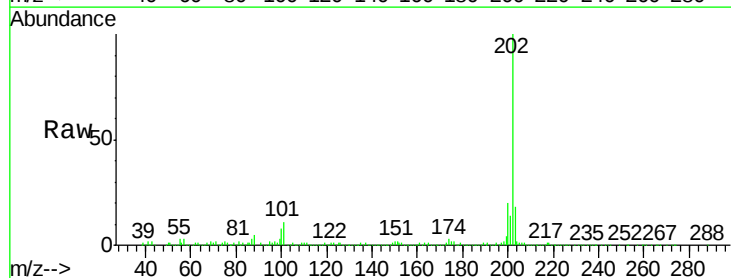
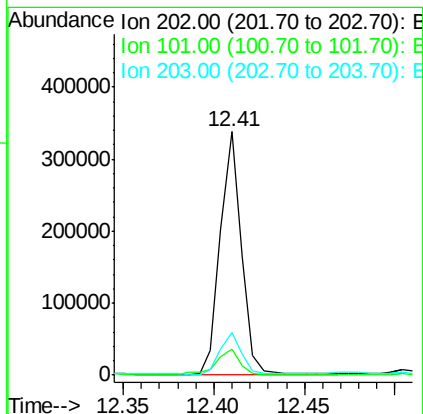
RT: 12.41 min Scan# 1755

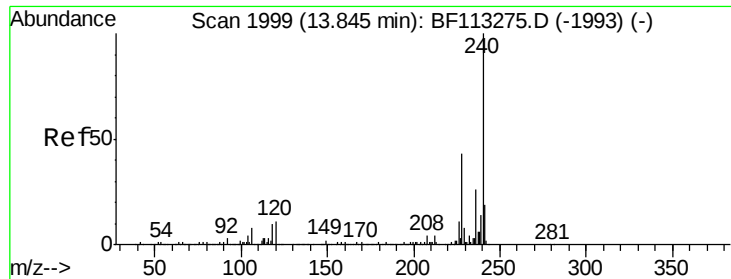
Delta R.T. -0.01 min

Lab File: BF113524.D

Acq: 3 Apr 2019 00:10

Tgt Ion:	202	Resp:	275767
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	31.4
203	17.7	0.0	38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF113524.D

Acq: 3 Apr 2019 00:10

Instrument :

BNA_F

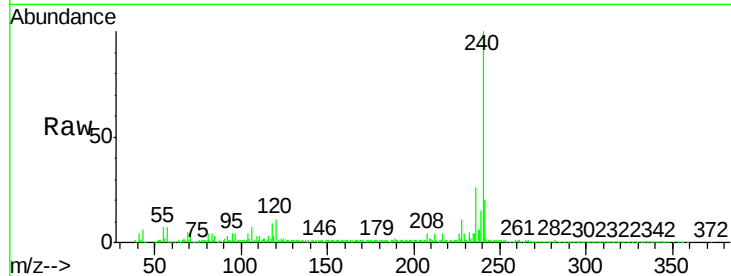
ClientSampleId :

FK-0D015-03-001

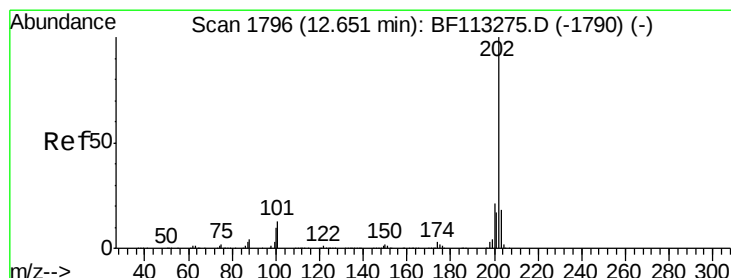
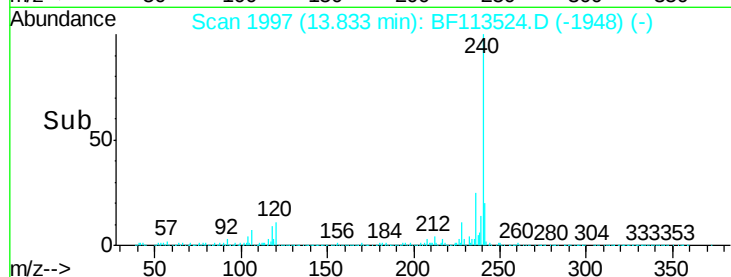
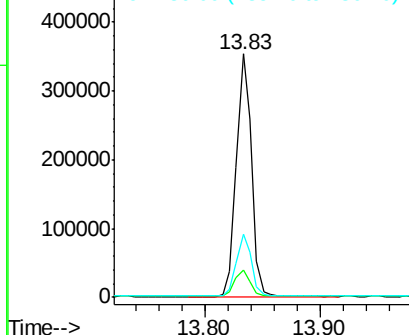
Tgt Ion:	240	Resp:	321076
Ion Ratio	Lower	Upper	
240	100		
120	11.4	8.8	13.2
236	25.7	20.9	31.3

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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: 11.471 ng

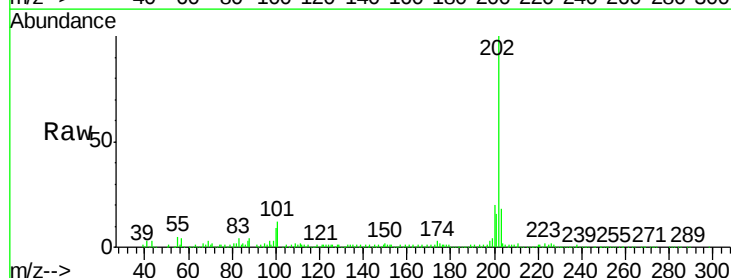
RT: 12.64 min Scan# 1794

Delta R.T. -0.01 min

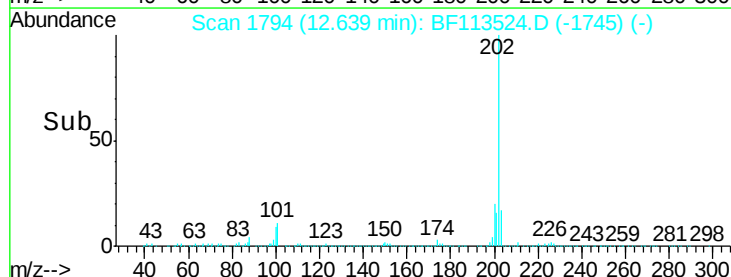
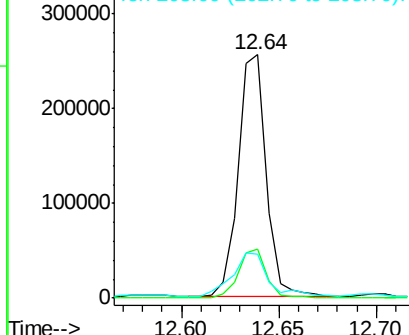
Lab File: BF113524.D

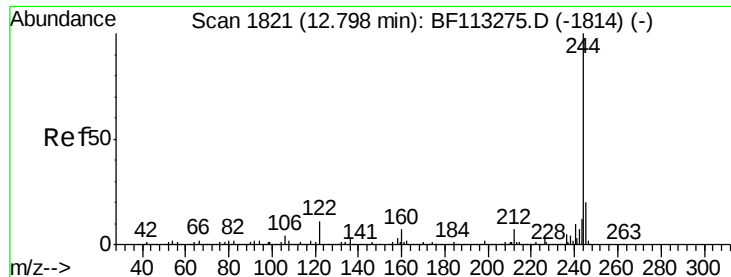
Acq: 3 Apr 2019 00:10

Tgt Ion:	202	Resp:	255229
Ion Ratio	Lower	Upper	
202	100		
200	20.0	16.8	25.2
203	18.1	14.4	21.6



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: 27.827 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF113524.D

Acq: 3 Apr 2019 00:10

Instrument :

BNA_F

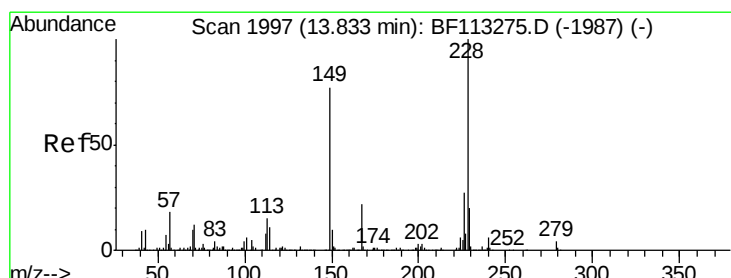
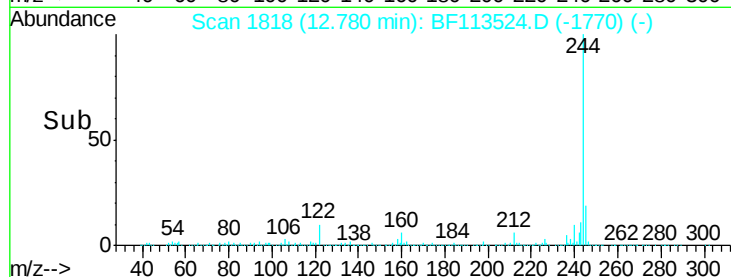
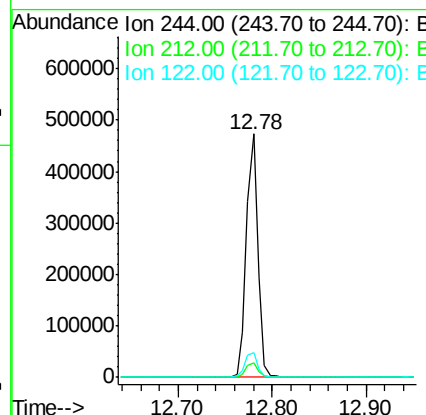
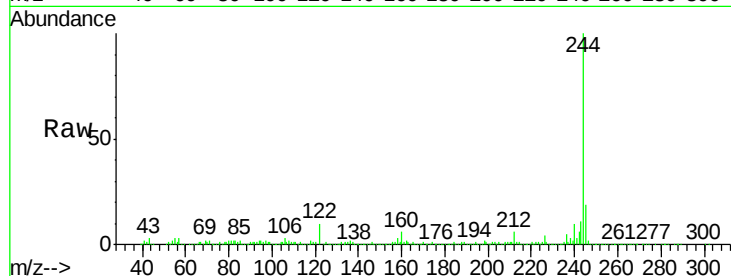
ClientSampleId :

FK-0D015-03-001

Tgt Ion:	244	Resp:	405348
Ion Ratio		Lower	Upper
244	100		
212	6.0	5.5	8.3
122	10.1	8.6	13.0

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#81

Benzo(a)anthracene

Concen: 6.288 ng

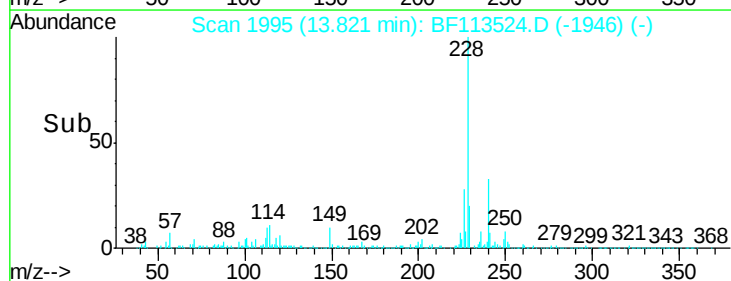
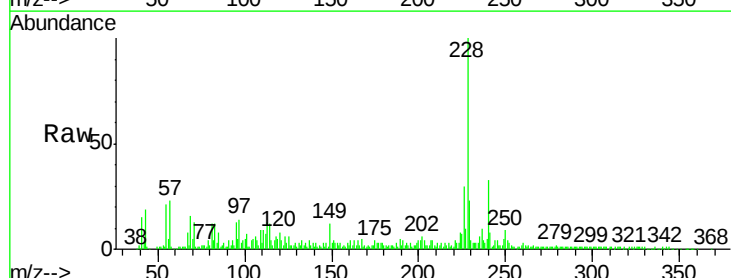
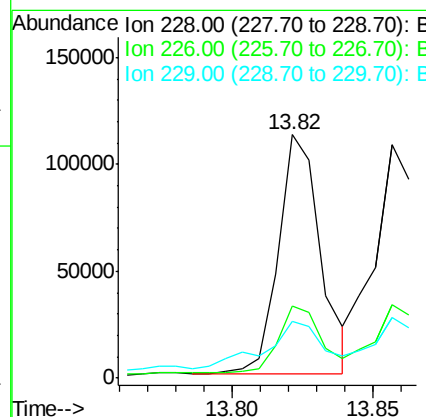
RT: 13.82 min Scan# 1995

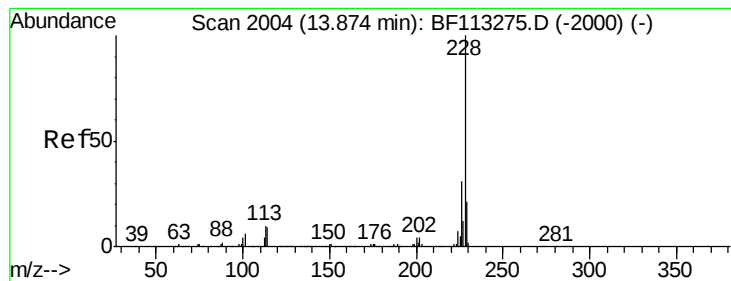
Delta R.T. -0.01 min

Lab File: BF113524.D

Acq: 3 Apr 2019 00:10

Tgt Ion:	228	Resp:	115574
Ion Ratio		Lower	Upper
228	100		
226	29.6	21.8	32.8
229	23.4	16.2	24.4





#83

Chrysene

Concen: 5.973 ng m

RT: 13.86 min Scan# 2001

Delta R.T. -0.02 min

Lab File: BF113524.D

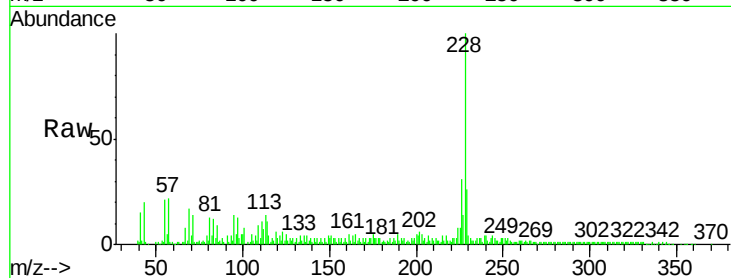
Acq: 3 Apr 2019 00:10

Instrument :

BNA_F

ClientSampleId :

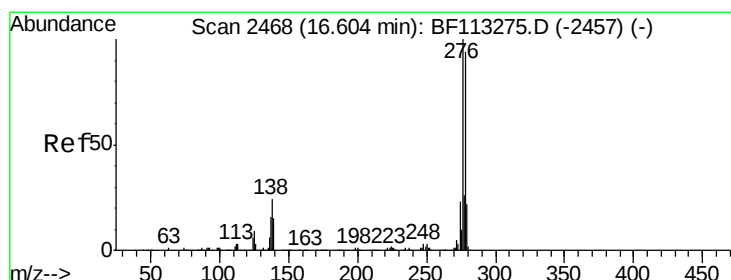
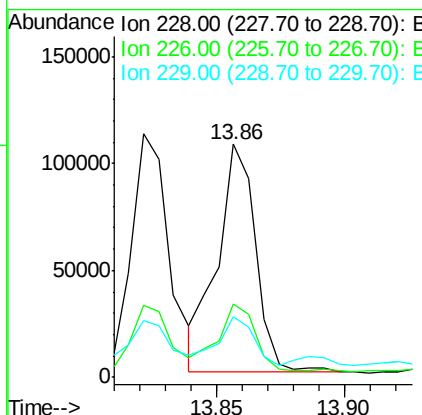
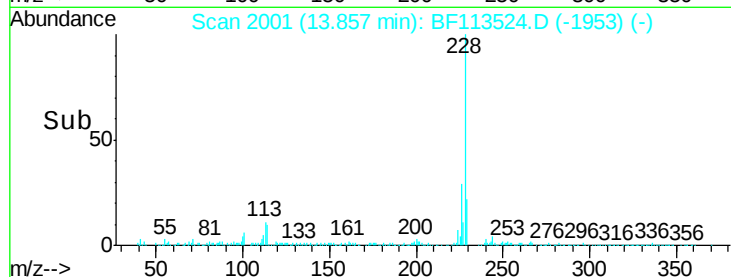
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Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.3	36.5
229	25.8	16.3	24.5

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#86

Indeno(1,2,3-cd)pyrene

Concen: 2.412 ng

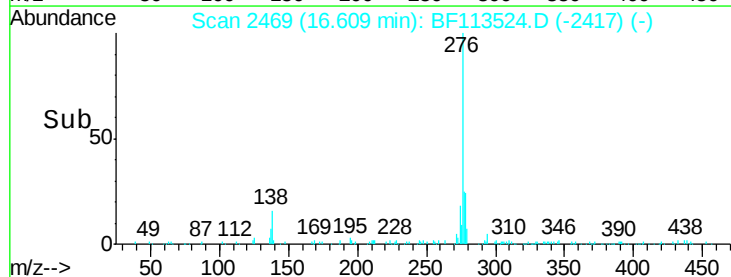
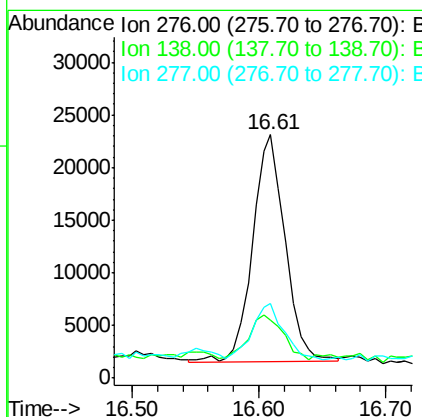
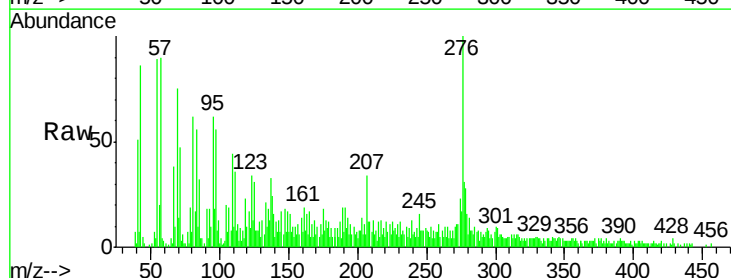
RT: 16.61 min Scan# 2469

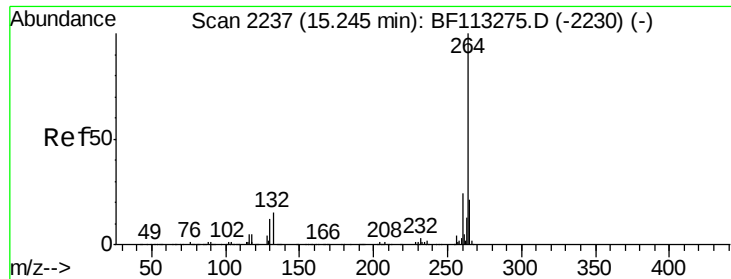
Delta R.T. 0.01 min

Lab File: BF113524.D

Acq: 3 Apr 2019 00:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	18.1	27.1
277	24.7	20.2	30.4





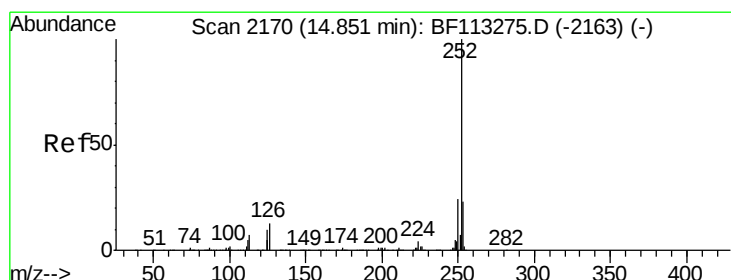
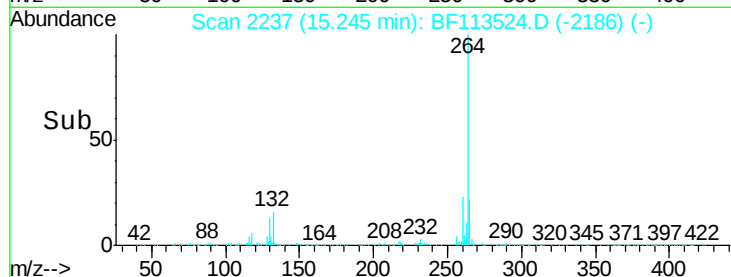
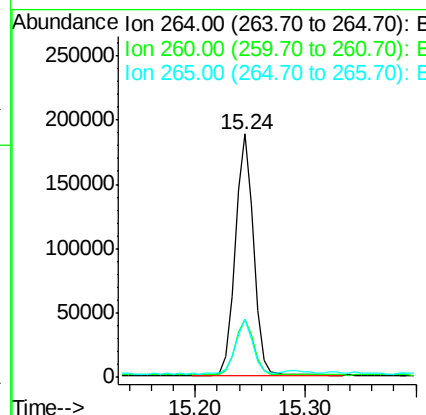
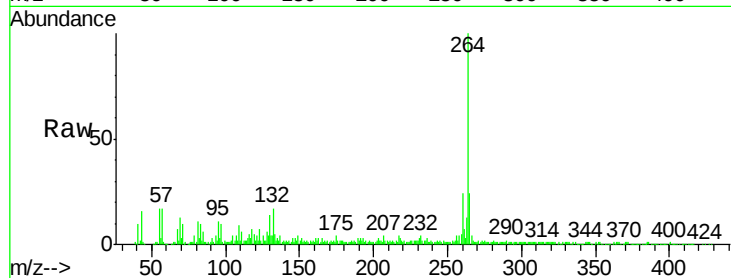
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.00 min
Lab File: BF113524.D
Acq: 3 Apr 2019 00:10

Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-001

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	23.6	17.1	25.7

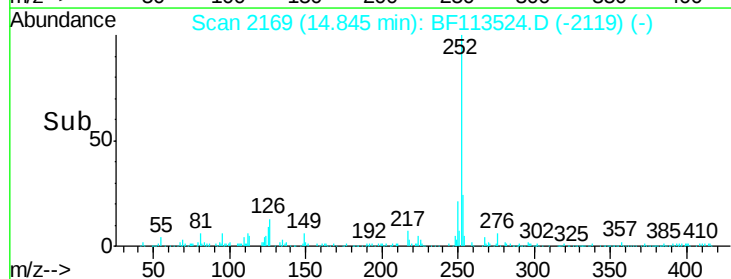
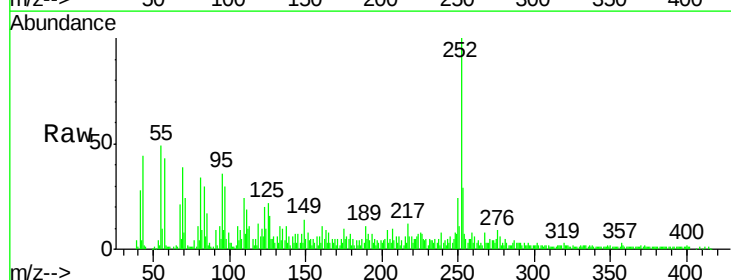
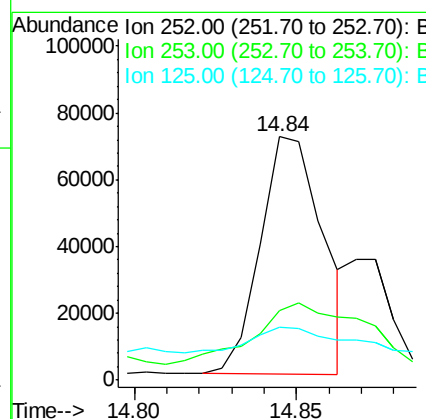
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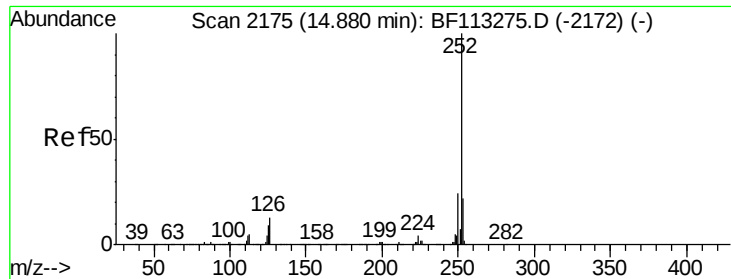
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#88
Benzo(b)fluoranthene
Concen: 7.024 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113524.D
Acq: 3 Apr 2019 00:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.6	18.0	27.0#
125	21.8	7.6	11.4#





#89

Benzo(k)fluoranthene

Concen: 2.819 ng m

RT: 14.87 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BF113524.D

Acq: 3 Apr 2019 00:10

Instrument :

BNA_F

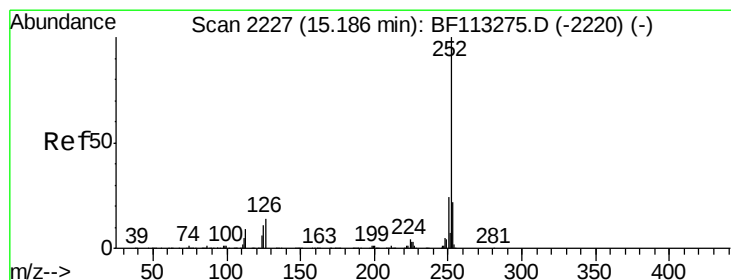
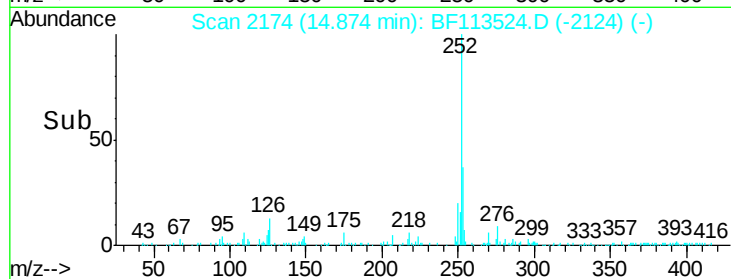
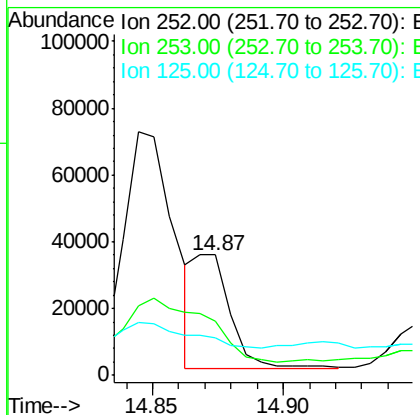
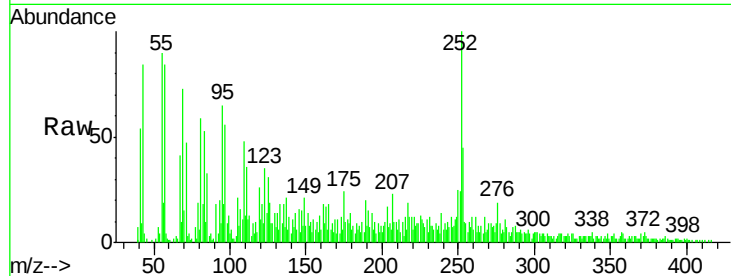
ClientSampleId :

FK-0D015-03-001

Tgt Ion:	252	Resp:	33439
Ion Ratio	Lower	Upper	
252	100		
253	45.2	17.7	26.5#
125	31.2	7.3	10.9#

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#90

Benzo(a)pyrene

Concen: 5.421 ng

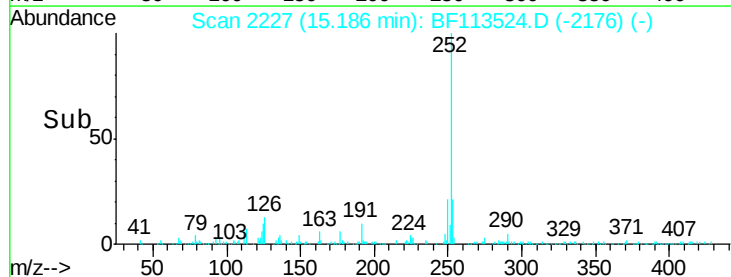
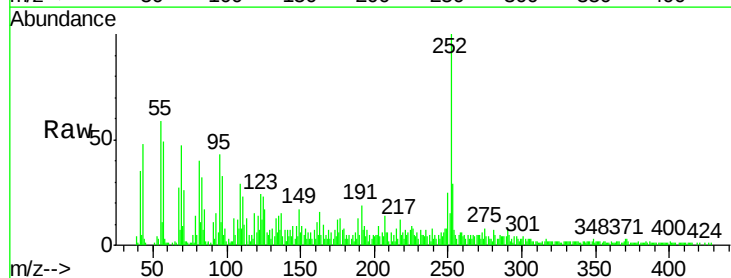
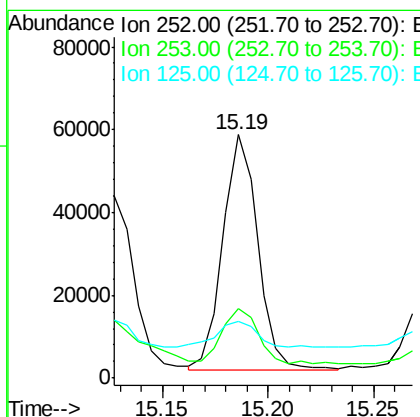
RT: 15.19 min Scan# 2227

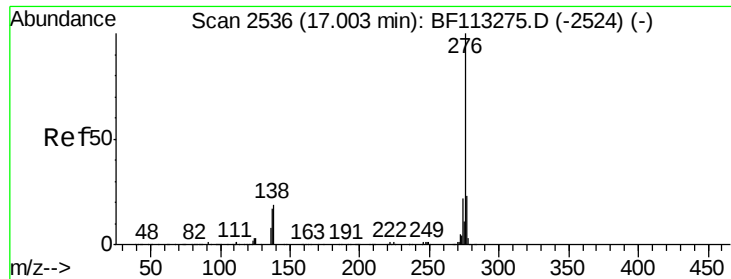
Delta R.T. -0.00 min

Lab File: BF113524.D

Acq: 3 Apr 2019 00:10

Tgt Ion:	252	Resp:	64918
Ion Ratio	Lower	Upper	
252	100		
253	28.6	17.9	26.9#
125	23.3	8.8	13.2#





#92
 Benzo(g,h,i)perylene
 Concen: 3.695 ng
 RT: 17.02 min Scan# 2538
 Delta R.T. 0.01 min
 Lab File: BF113524.D
 Acq: 3 Apr 2019 00:10

Instrument :
 BNA_F
 ClientSampleId :
 FK-0D015-03-001

Tgt Ion	Ratio	Lower	Upper
276	100		
277	32.4	18.8	28.2#
138	27.7	15.6	23.4#

Manual Integrations
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