

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
 Data File : BF113514.D
 Acq On : 2 Apr 2019 19:16
 Operator : JU/SJ
 Sample : K2180-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Manual Integrations
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Sohil
 4/3/2019 12:42:35 PM

Quant Time: Apr 03 07:56:55 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	136813	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	501692	20.00	ng	-0.01
39) Acenaphthene-d10	9.72	164	231549	20.00	ng	-0.02
64) Phenanthrene-d10	11.20	188	400859	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	183642	20.00	ng	-0.01
87) Perylene-d12	15.23	264	363047	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	958370	114.54	ng	0.00
7) Phenol-d6	6.35	99	1245056	117.63	ng	-0.01
23) Nitrobenzene-d5	7.26	82	753960	89.20	ng	-0.01
42) 2,4,6-Tribromophenol	10.51	330	337395	117.96	ng	-0.02
45) 2-Fluorobiphenyl	9.05	172	1371627	94.90	ng	-0.02
79) Terphenyl-d14	12.78	244	1125231	135.06	ng	-0.02
Target Compounds						
10) Phenol	6.36	94	45781	3.789	ng	Qvalue # 68
50) Dimethylphthalate	9.44	163	105198	6.131	ng	100
71) Phenanthrene	11.22	178	312775	15.712	ng	98
72) Anthracene	11.27	178	69372	3.431	ng	98
75) Fluoranthene	12.41	202	512878	22.790	ng	98
78) Pyrene	12.63	202	467444	36.732	ng	99
81) Benzo(a)anthracene	13.82	228	174224	16.574	ng	99
83) Chrysene	13.86	228	247658	23.195	ng	98
84) Bis(2-ethylhexyl)phthalate	13.83	149	2609898	379.605	ng	# 97
86) Indeno(1,2,3-cd)pyrene	16.59	276	145419	15.869	ng	97
88) Benzo(b)fluoranthene	14.84	252	358631m	15.902	ng	
89) Benzo(k)fluoranthene	14.86	252	110735m	5.591	ng	
90) Benzo(a)pyrene	15.18	252	257555	12.882	ng	97
91) Dibenzo(a,h)anthracene	16.59	278	39556m	2.288	ng	
92) Benzo(g,h,i)perylene	16.99	276	128047	7.346	ng	98

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

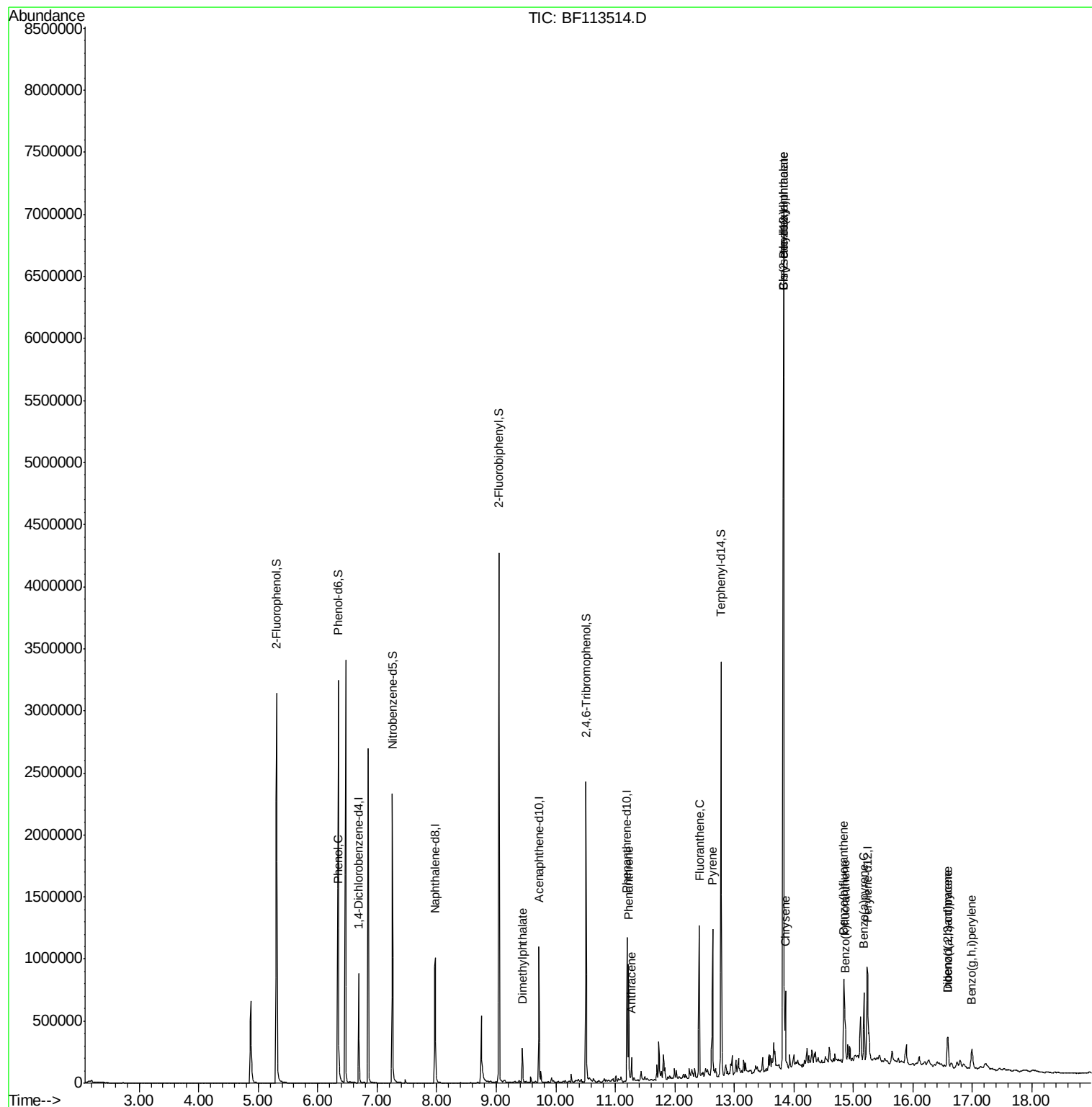
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113514.D
Acq On : 2 Apr 2019 19:16
Operator : JU/SJ
Sample : K2180-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

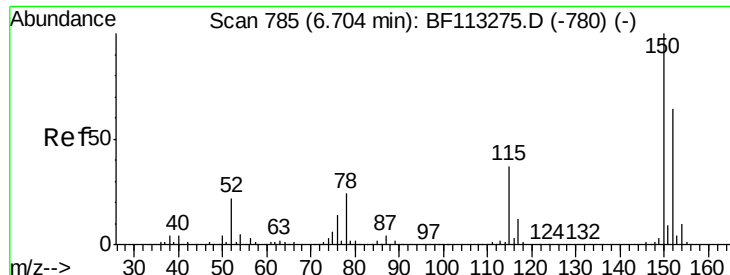
Instrument :
BNA_F
ClientSampled :
TP-7

Quant Time: Apr 03 07:56:55 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
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#1

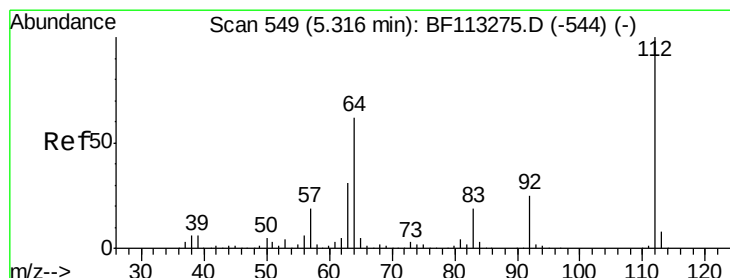
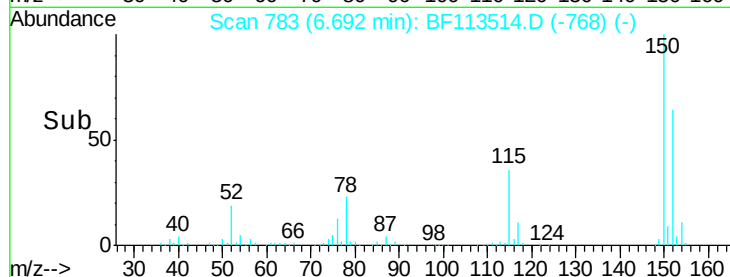
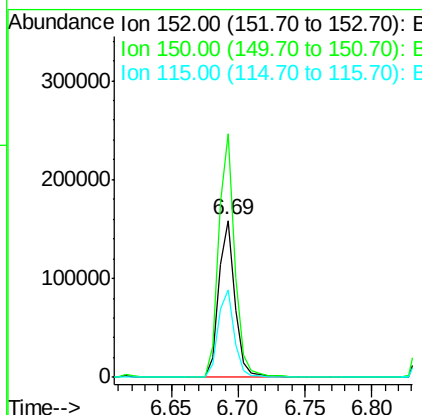
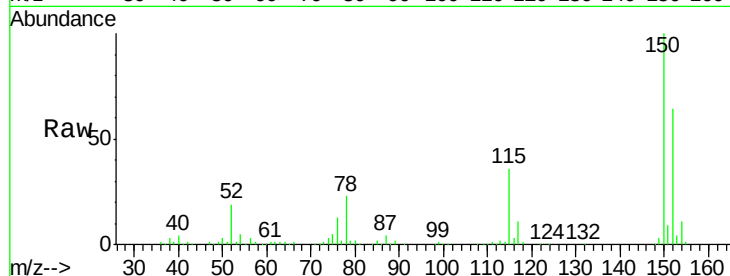
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF113514.D
Acq: 2 Apr 2019 19:16

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.7	187.1
115	55.6	46.0	69.0

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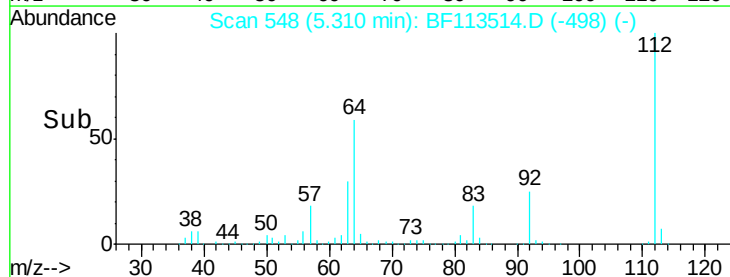
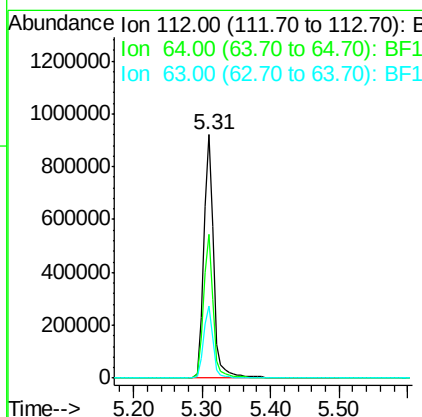
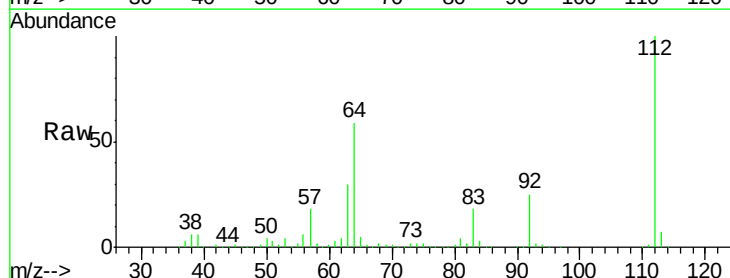
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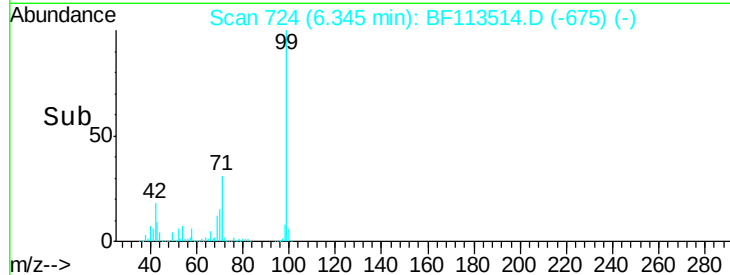
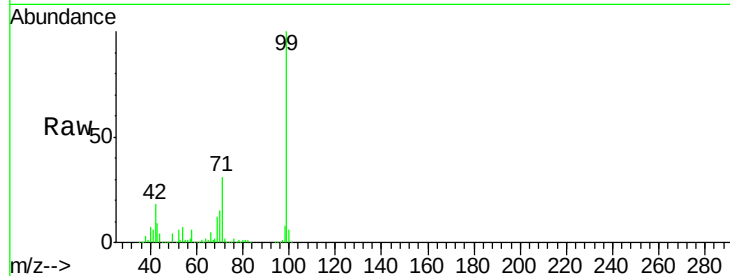
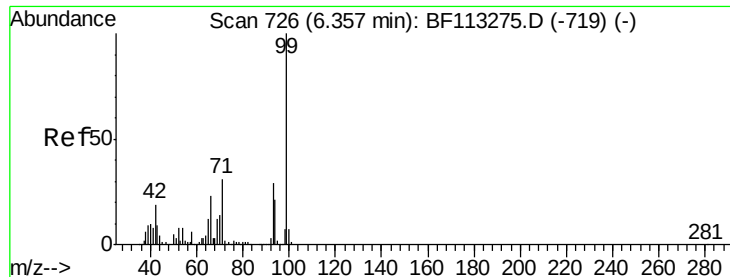


#5

2-Fluorophenol
Concen: 114.540 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF113514.D
Acq: 2 Apr 2019 19:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	49.2	73.8
63	29.9	24.9	37.3





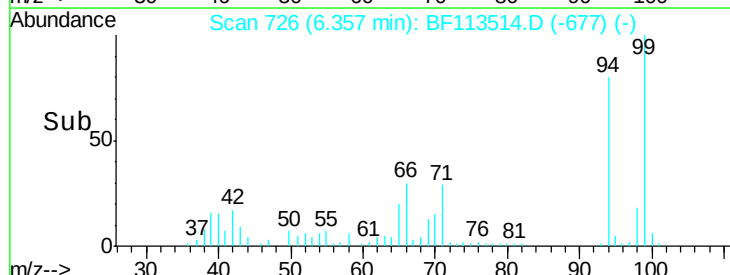
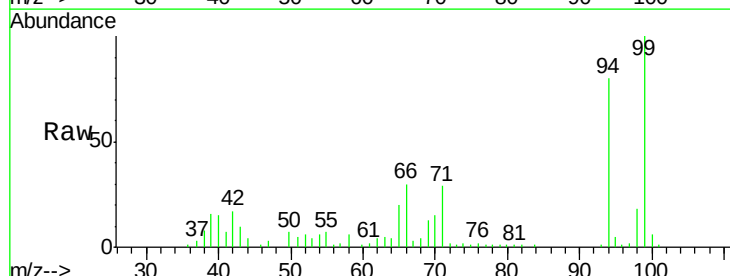
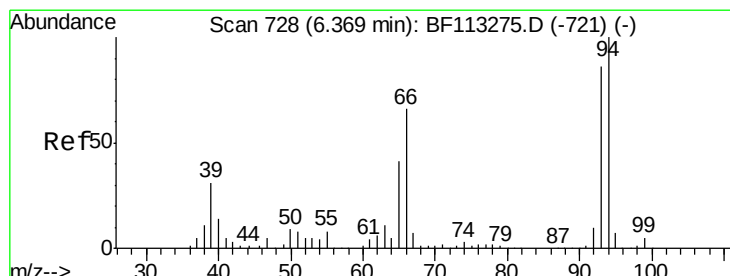
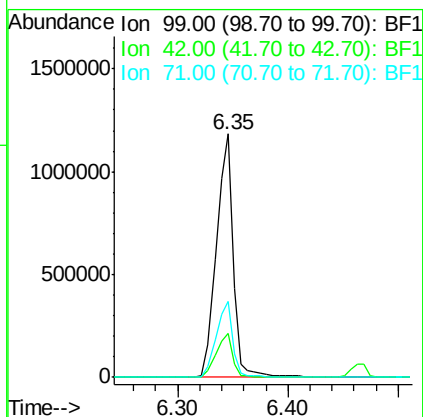
#7
Phenol-d6
Concen: 117.626 ng
RT: 6.35 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF113514.D
Acq: 2 Apr 2019 19:16

Tgt Ion: 99 Resp: 1245056
Ion Ratio Lower Upper
99 100
42 18.1 14.8 22.2
71 31.5 24.9 37.3

Instrument :
BNA_F
ClientSampled :
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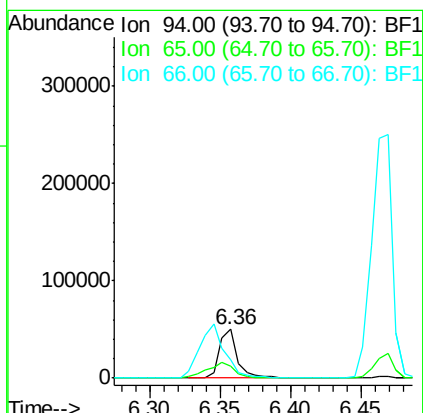
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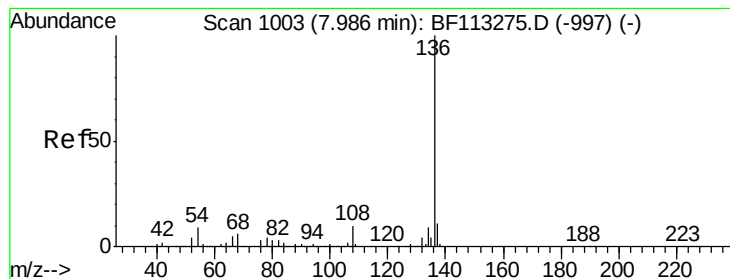
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#10
Phenol
Concen: 3.789 ng
RT: 6.36 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF113514.D
Acq: 2 Apr 2019 19:16

Tgt Ion: 94 Resp: 45781
Ion Ratio Lower Upper
94 100
65 25.6 21.4 61.4
66 37.9 46.4 86.4#





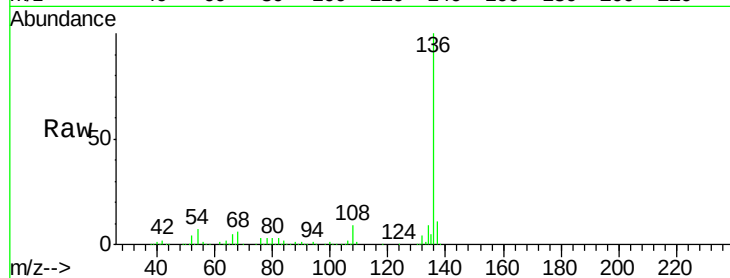
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF113514.D
Acq: 2 Apr 2019 19:16

Instrument :
BNA_F
ClientSampleId :
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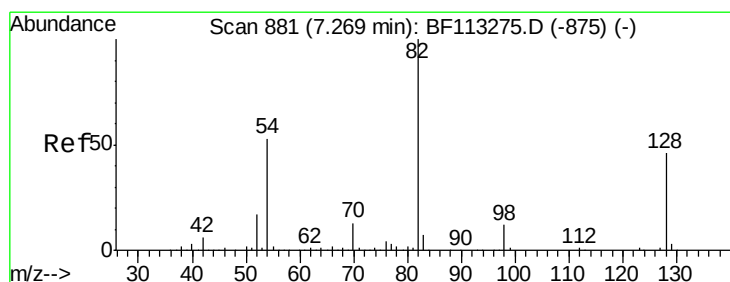
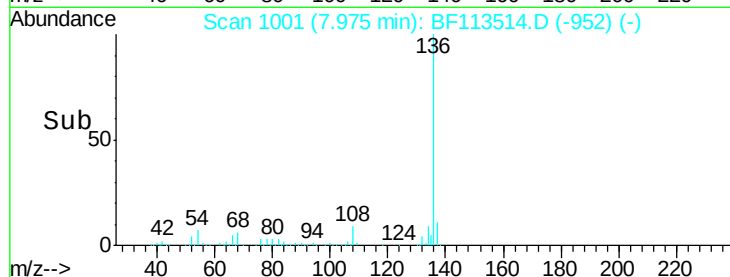
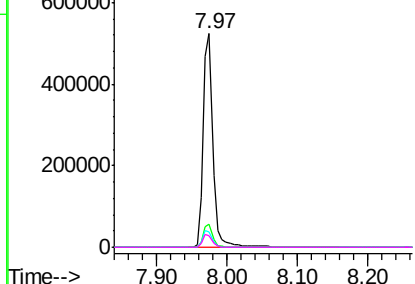
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	501692		
137	10.8	8.9	13.3	
54	7.3	7.0	10.6	
68	5.6	4.8	7.2	

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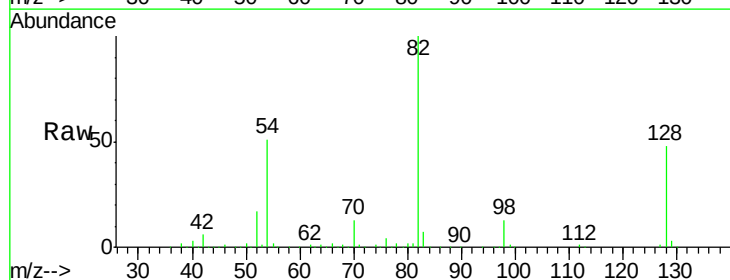


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

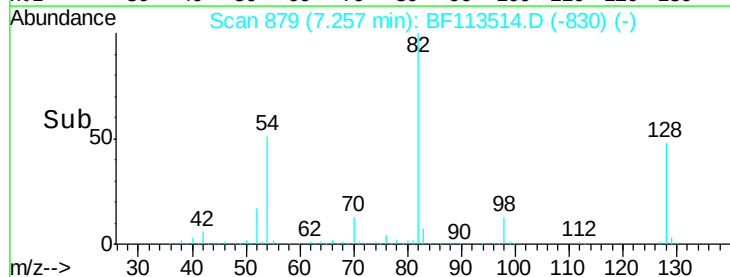
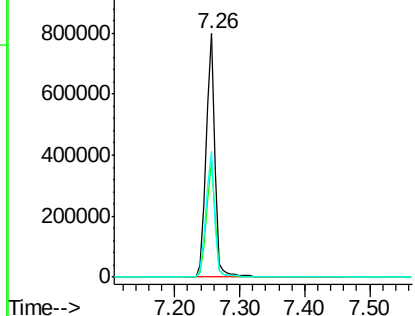


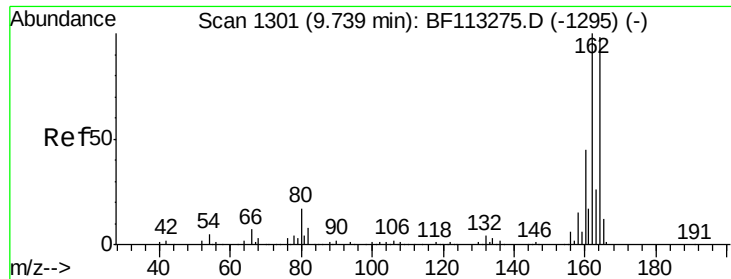
#23
Nitrobenzene-d5
Concen: 89.199 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF113514.D
Acq: 2 Apr 2019 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	753960		
128	47.6	36.5	54.7	
54	51.5	42.2	63.2	



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





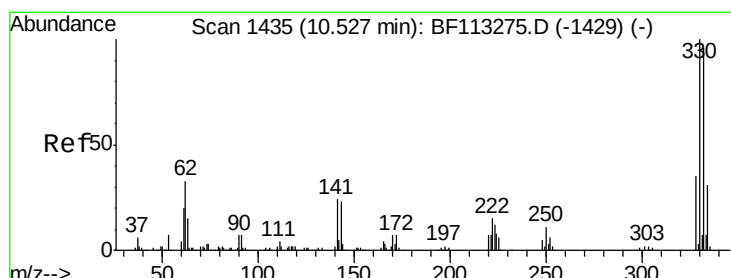
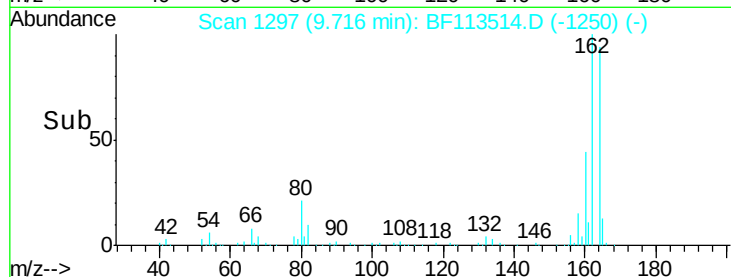
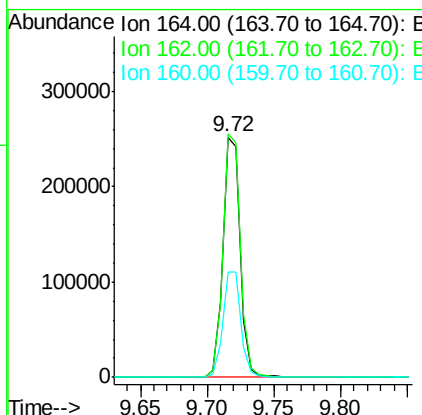
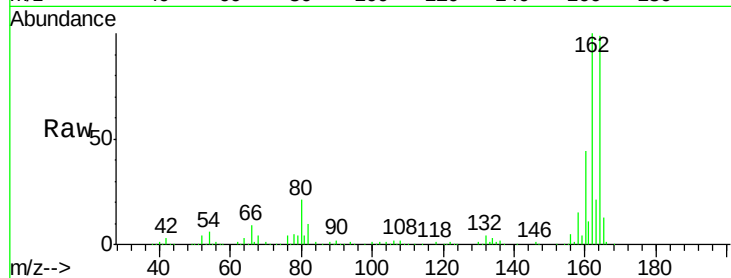
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF113514.D
 Acq: 2 Apr 2019 19:16

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Tgt Ion	Ratio	Resp	Lower	Upper
164	100	231549		
162	101.5	81.8	122.6	
160	44.2	36.4	54.6	

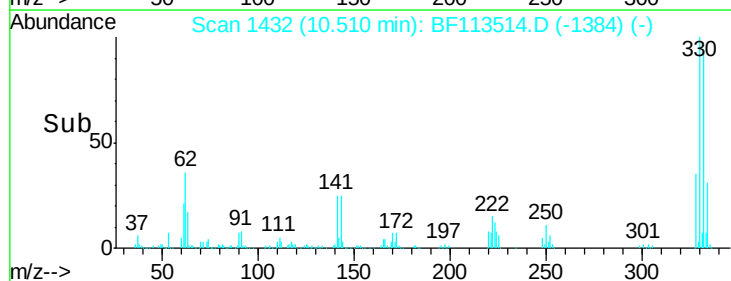
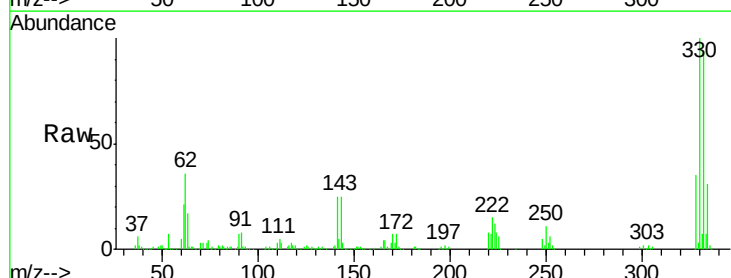
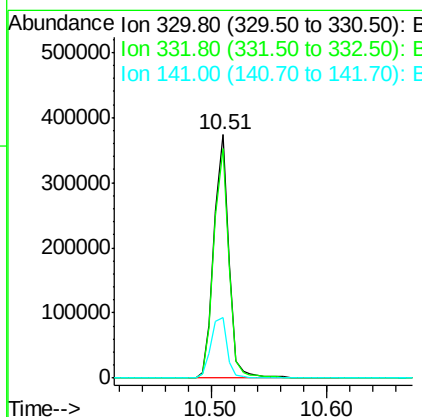
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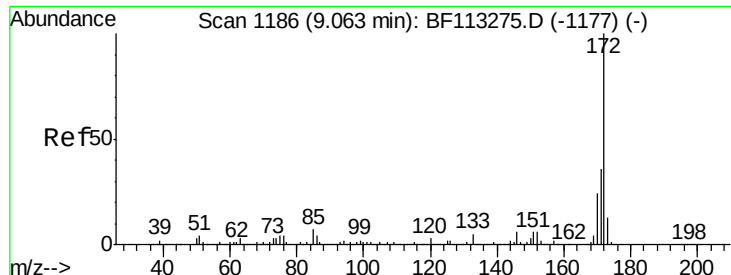
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#42
 2,4,6-Tribromophenol
 Concen: 117.964 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.02 min
 Lab File: BF113514.D
 Acq: 2 Apr 2019 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	337395		
332	95.8	77.8	116.6	
141	27.6	22.7	34.1	





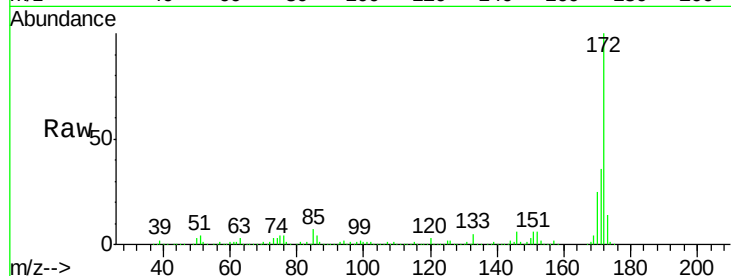
#45
2-Fluorobiphenyl
Concen: 94.900 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF113514.D
Acq: 2 Apr 2019 19:16

Instrument :
BNA_F
ClientSampleId :
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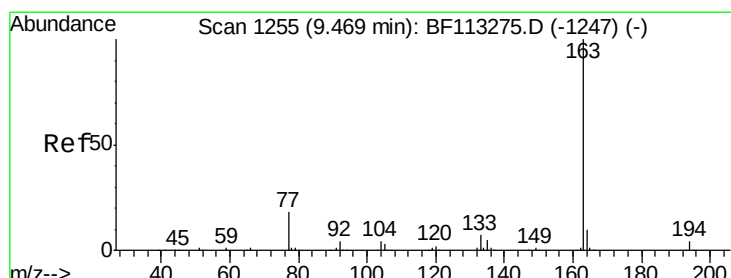
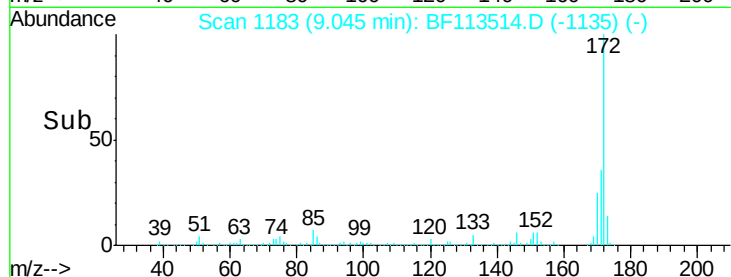
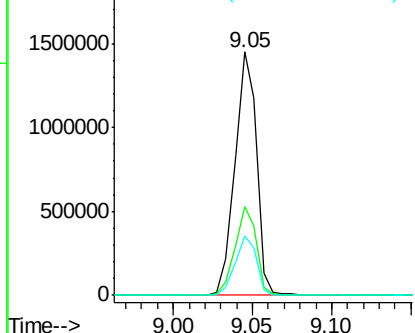
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.6
170	24.6	19.5	29.3

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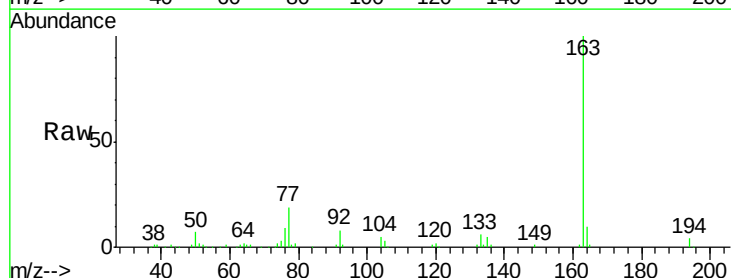


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

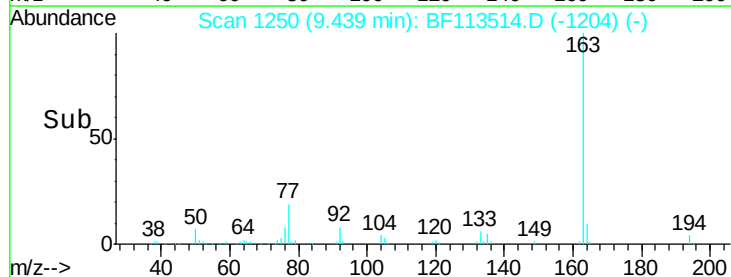
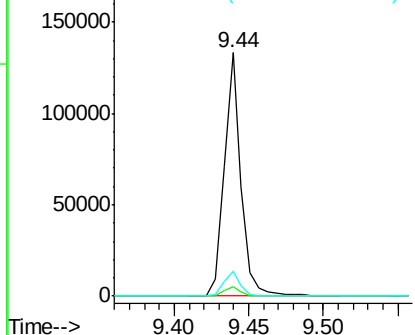


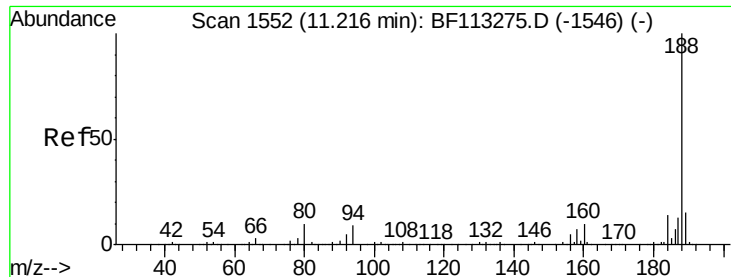
#50
Dimethylphthalate
Concen: 6.131 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.03 min
Lab File: BF113514.D
Acq: 2 Apr 2019 19:16

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.0	8.1	12.1



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





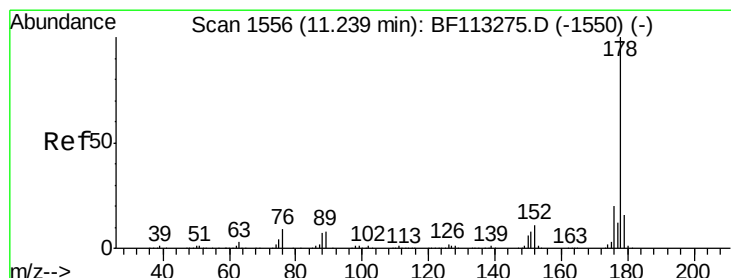
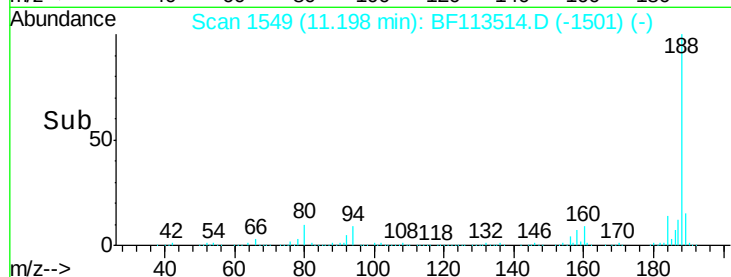
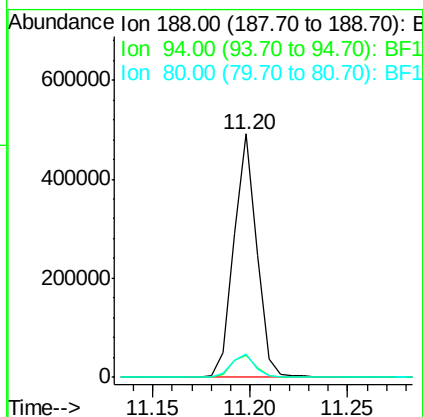
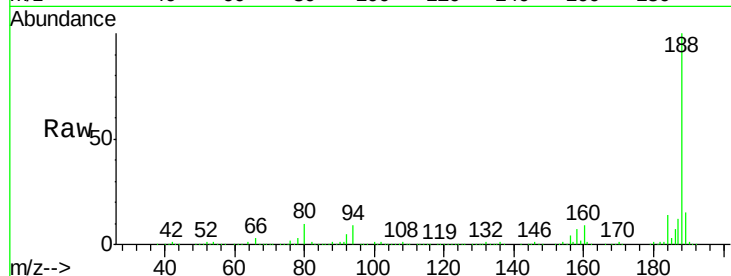
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.02 min
Lab File: BF113514.D
Acq: 2 Apr 2019 19:16

Instrument :
BNA_F
ClientSampled :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.3	7.0	10.6
80	9.6	7.7	11.5

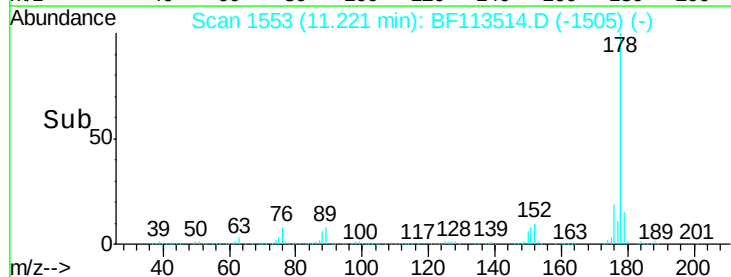
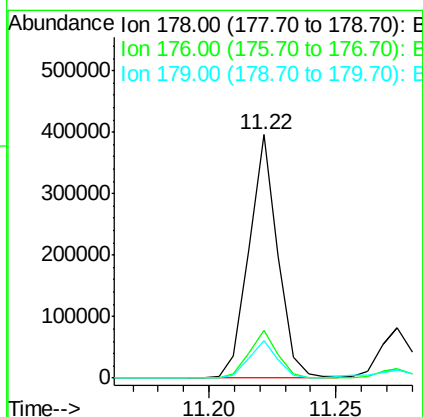
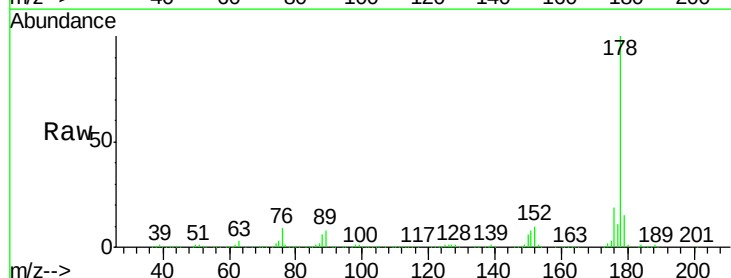
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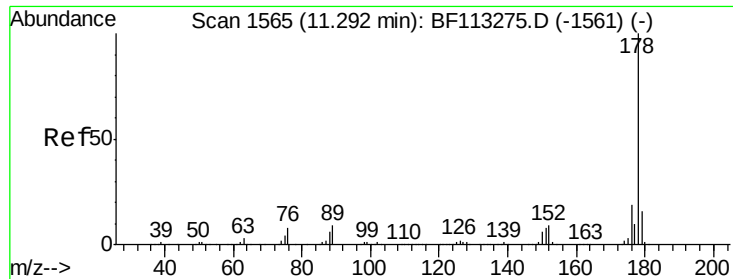
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#71
Phenanthrene
Concen: 15.712 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.02 min
Lab File: BF113514.D
Acq: 2 Apr 2019 19:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.4	16.2	24.2
179	15.2	12.7	19.1





#72

Anthracene

Concen: 3.431 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BF113514.D

Acq: 2 Apr 2019 19:16

Instrument :

BNA_F

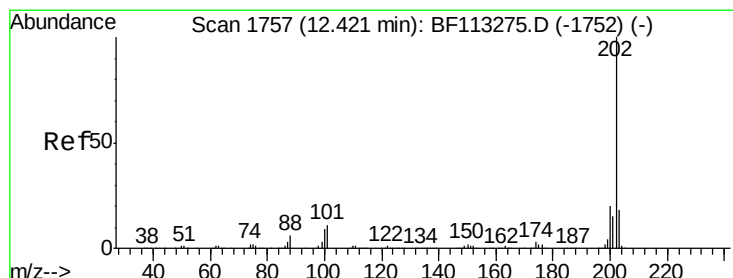
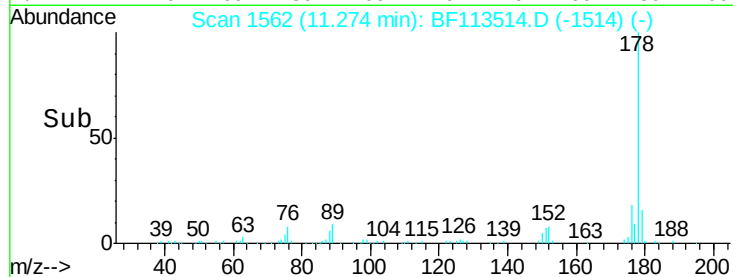
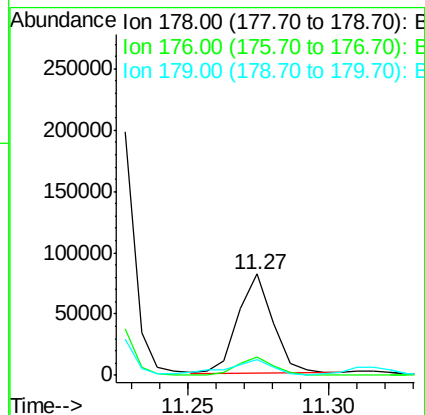
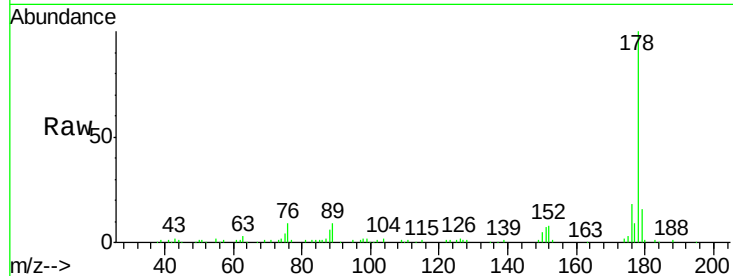
ClientSampled :

TP-7

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	16.1	12.8	19.2

Manual Integrations
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#75

Fluoranthene

Concen: 22.790 ng

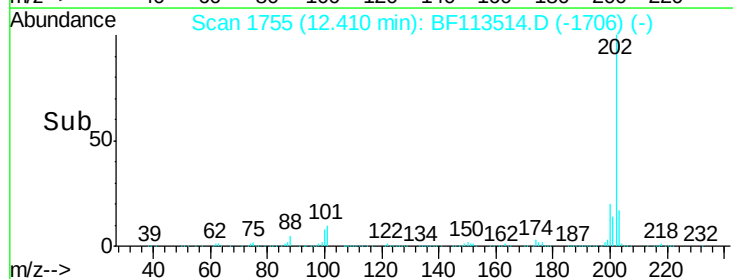
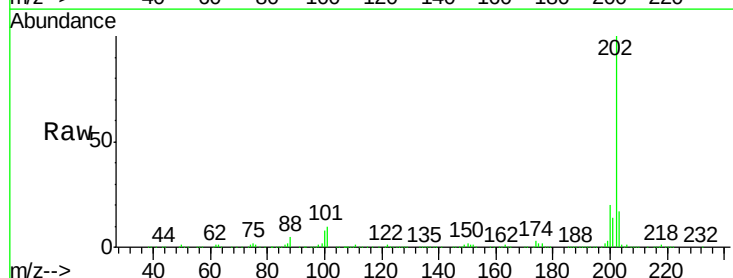
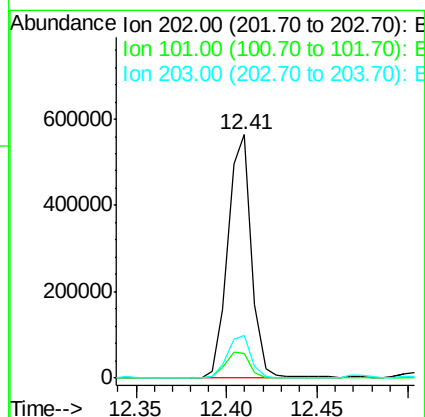
RT: 12.41 min Scan# 1755

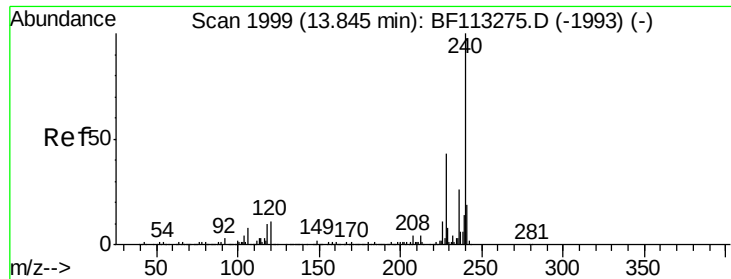
Delta R.T. -0.01 min

Lab File: BF113514.D

Acq: 2 Apr 2019 19:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.4
203	17.4	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: BF113514.D

Acq: 2 Apr 2019 19:16

Instrument :

BNA_F

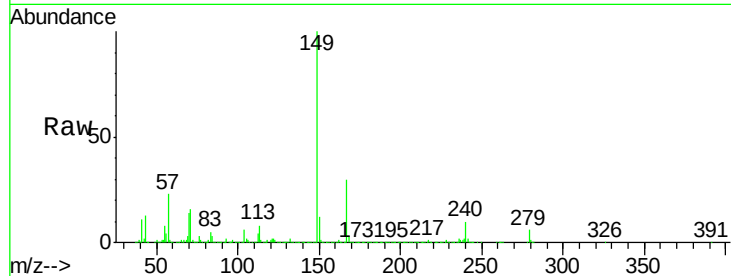
ClientSampled :

TP-7

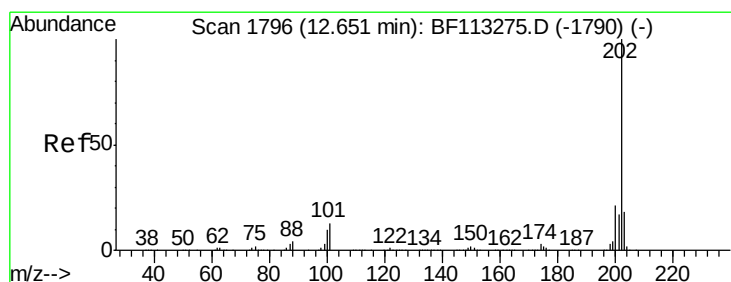
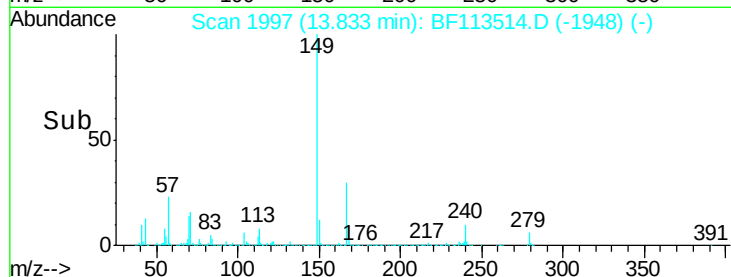
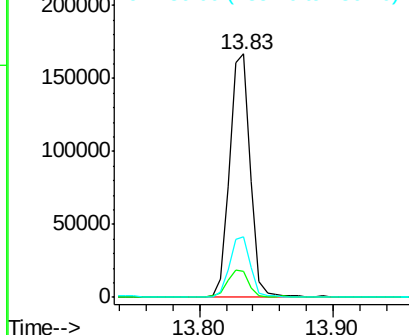
Tgt Ion:	240	Resp:	183642
Ion Ratio		Lower	Upper
240	100		
120	10.7	8.8	13.2
236	25.0	20.9	31.3

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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: 36.732 ng

RT: 12.63 min Scan# 1793

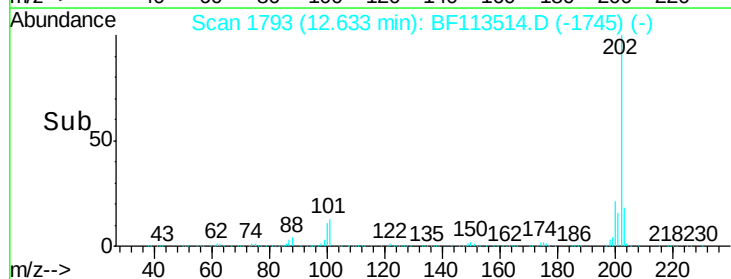
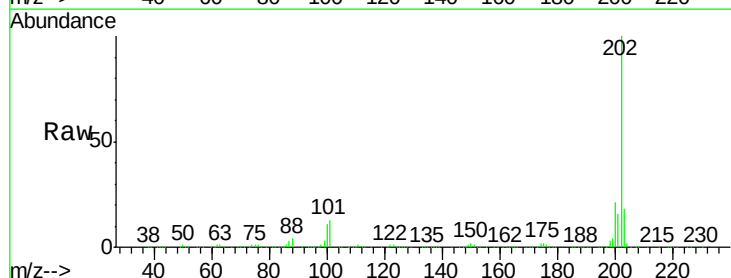
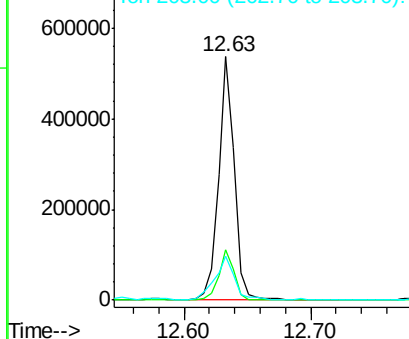
Delta R.T. -0.02 min

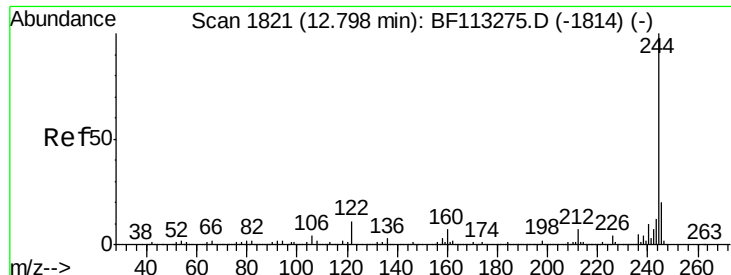
Lab File: BF113514.D

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Tgt Ion:	202	Resp:	467444
Ion Ratio		Lower	Upper
202	100		
200	20.6	16.8	25.2
203	17.8	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: 135.056 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF113514.D

Acq: 2 Apr 2019 19:16

Instrument :

BNA_F

ClientSampleId :

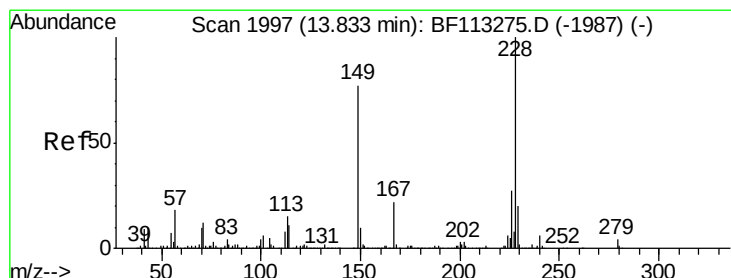
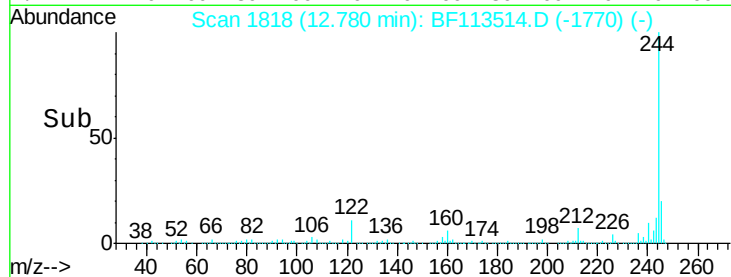
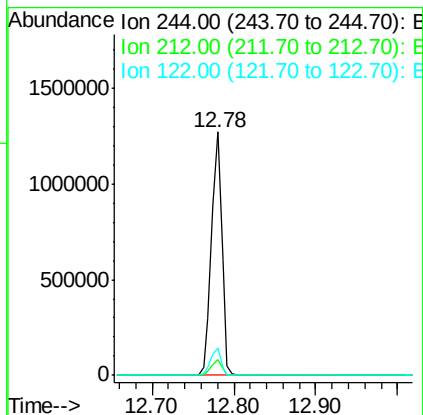
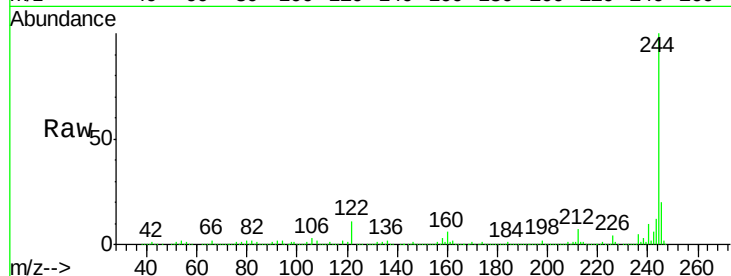
TP-7

Tgt Ion:244 Resp: 1125231

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.5	8.3
122	11.1	8.6	13.0

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#81

Benzo(a)anthracene

Concen: 16.574 ng

RT: 13.82 min Scan# 1994

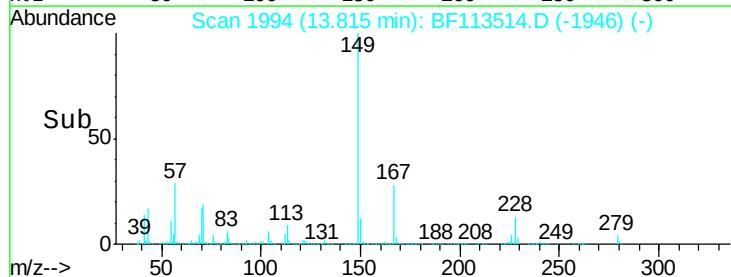
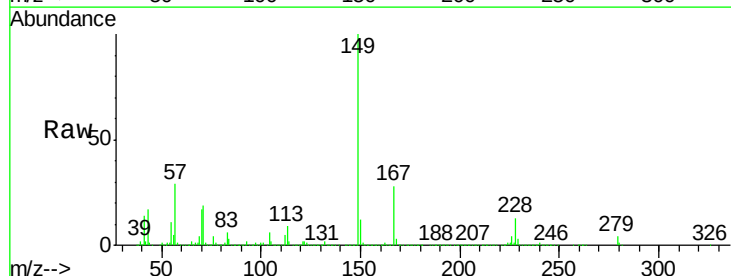
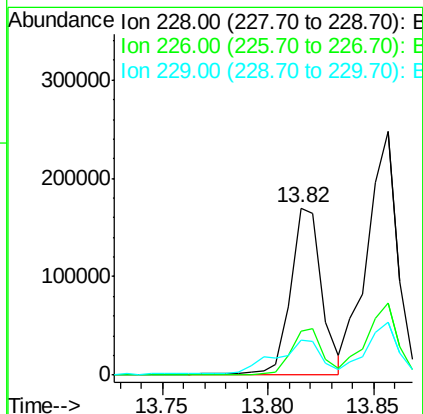
Delta R.T. -0.02 min

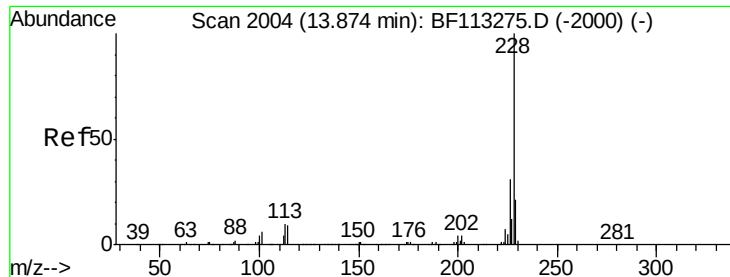
Lab File: BF113514.D

Acq: 2 Apr 2019 19:16

Tgt Ion:228 Resp: 174224

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.8	32.8
229	21.0	16.2	24.4





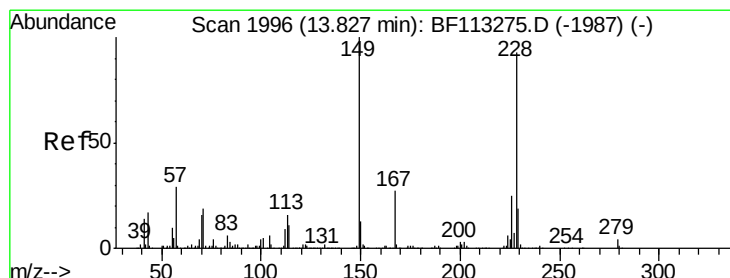
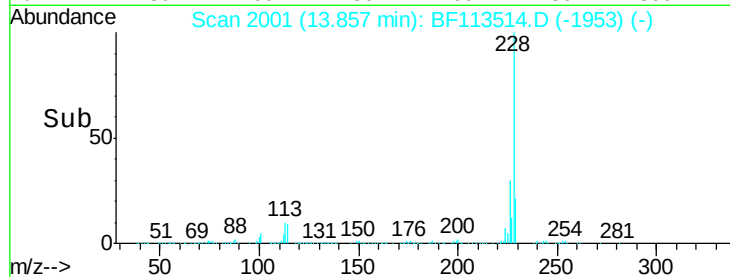
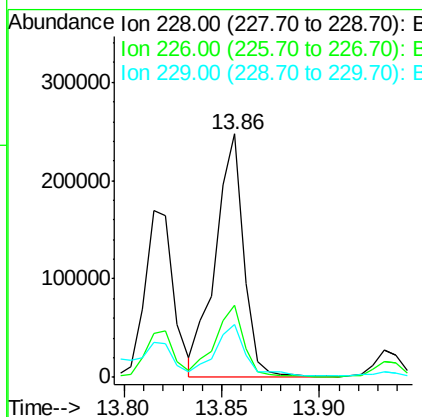
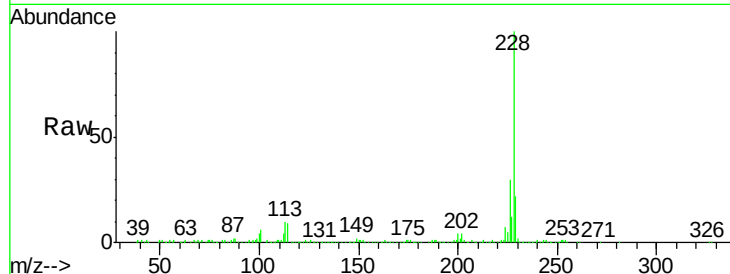
#83
Chrysene
Concen: 23.195 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.02 min
Lab File: BF113514.D
Acq: 2 Apr 2019 19:16

Instrument :
BNA_F
ClientSampleId :
TP-7

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

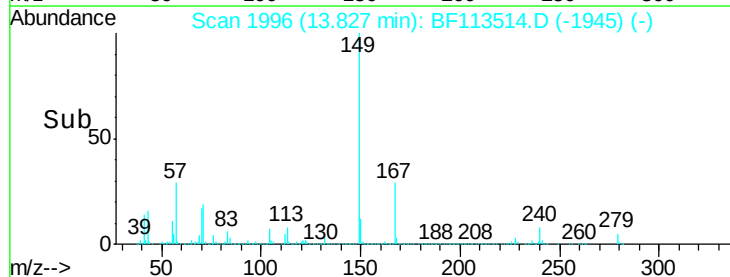
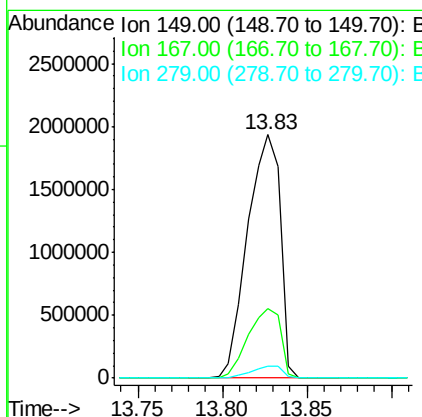
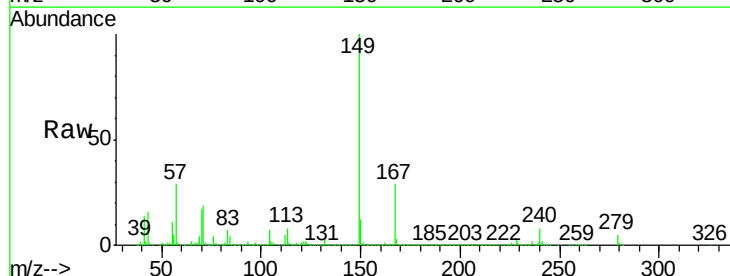
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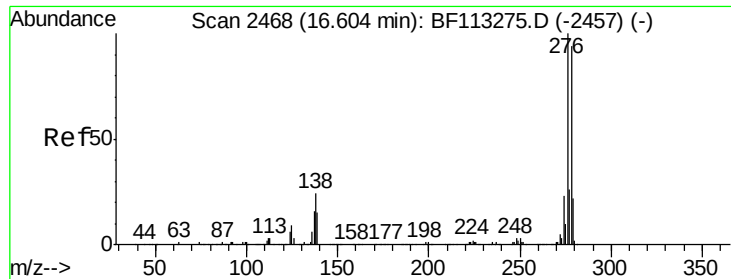
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#84
Bis(2-ethylhexyl)phthalate
Concen: 379.605 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.00 min
Lab File: BF113514.D
Acq: 2 Apr 2019 19:16

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.6	21.8	32.8
279	4.8	2.9	4.3#





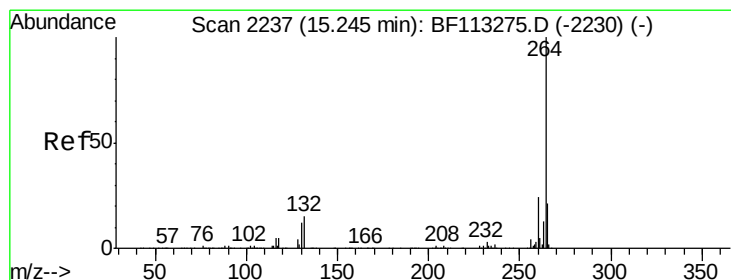
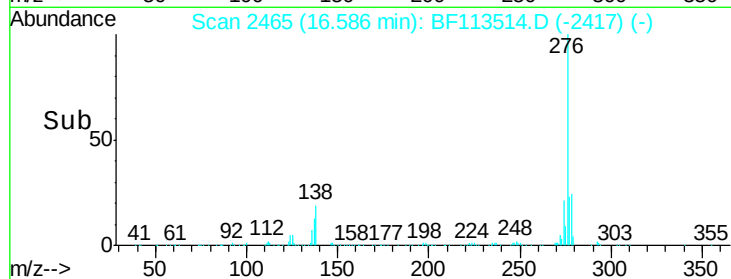
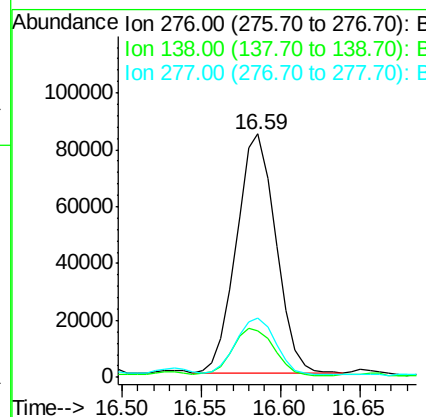
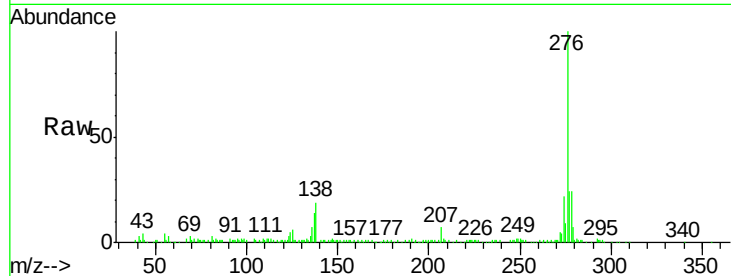
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 15.869 ng
 RT: 16.59 min Scan# 2465
 Delta R.T. -0.02 min
 Lab File: BF113514.D
 Acq: 2 Apr 2019 19:16

Instrument :
 BNA_F
 ClientSampled :
 TP-7

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.2	18.1	27.1
277	24.2	20.2	30.4

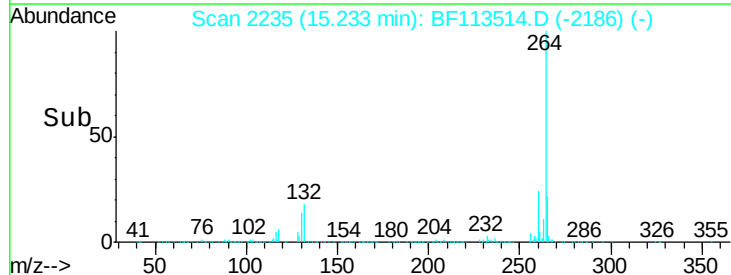
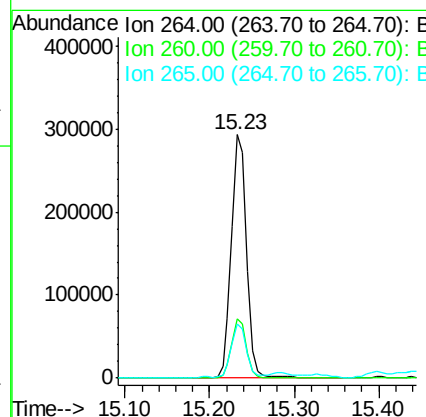
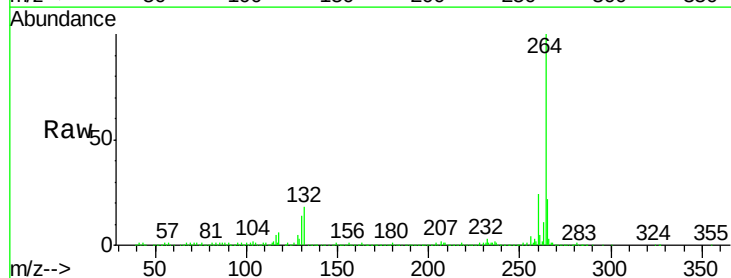
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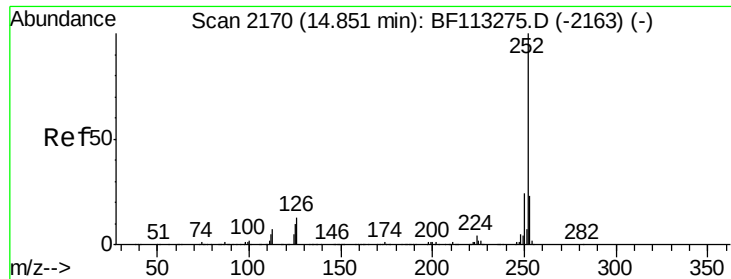
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2235
 Delta R.T. -0.01 min
 Lab File: BF113514.D
 Acq: 2 Apr 2019 19:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.1	28.7
265	22.1	17.1	25.7





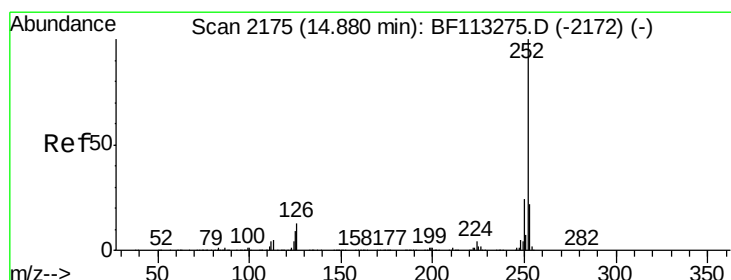
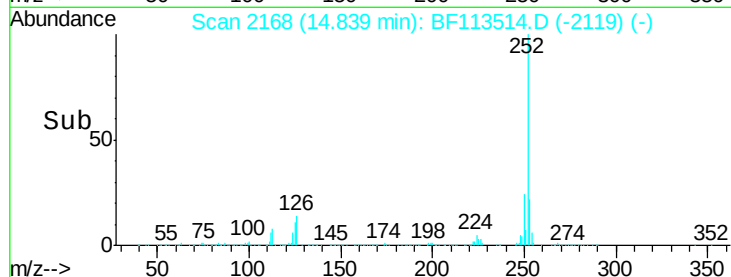
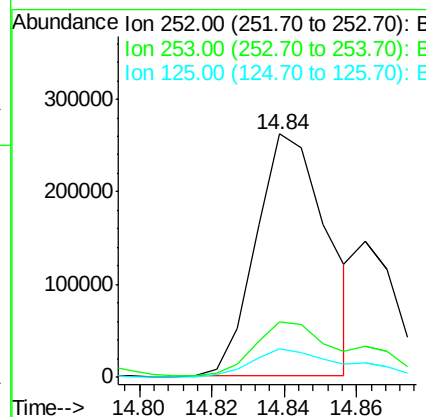
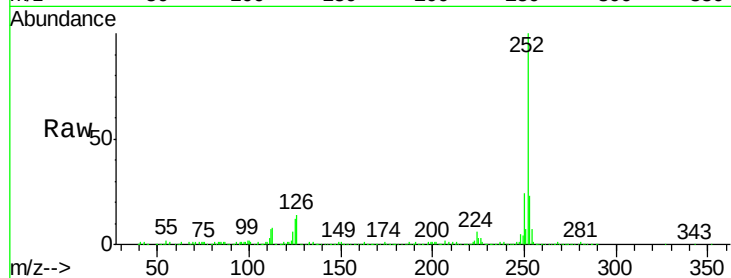
#88
Benzo(b)fluoranthene
Concen: 15.902 ng m
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF113514.D
Acq: 2 Apr 2019 19:16

Instrument :
BNA_F
ClientSampled :
TP-7

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	11.6	7.6	11.4

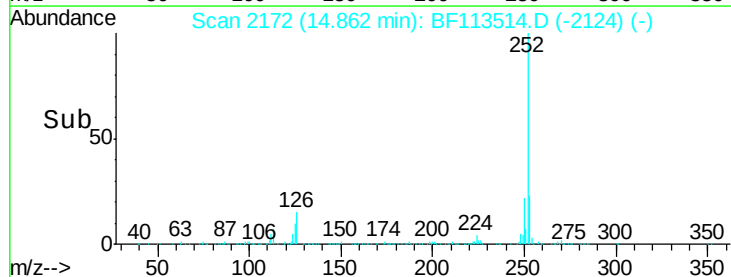
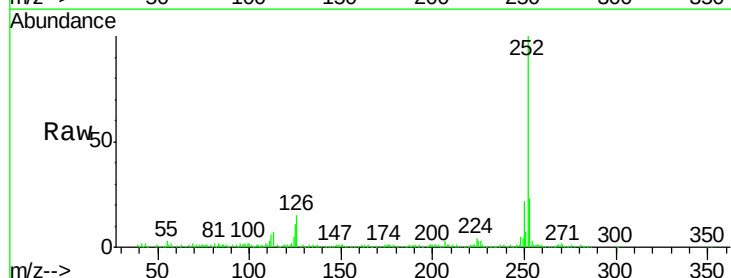
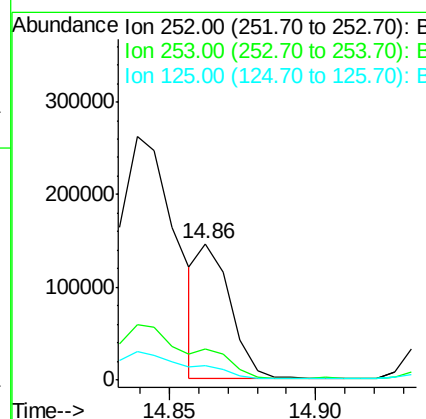
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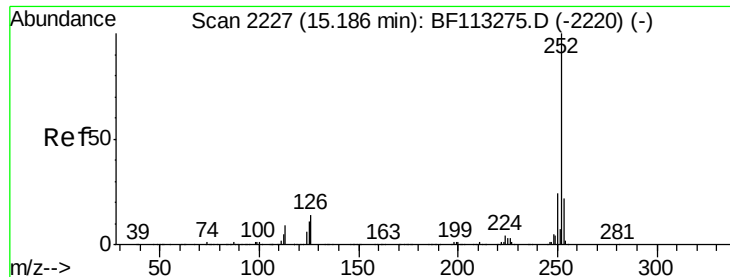
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#89
Benzo(k)fluoranthene
Concen: 5.591 ng m
RT: 14.86 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF113514.D
Acq: 2 Apr 2019 19:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	11.0	7.3	10.9





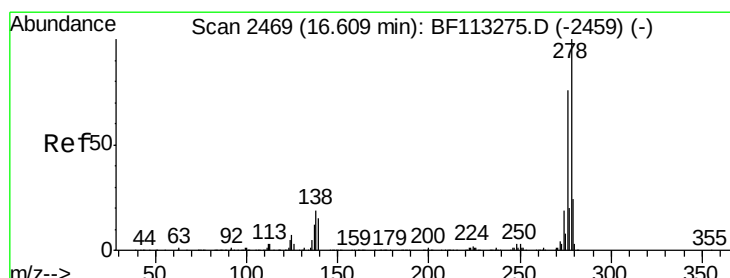
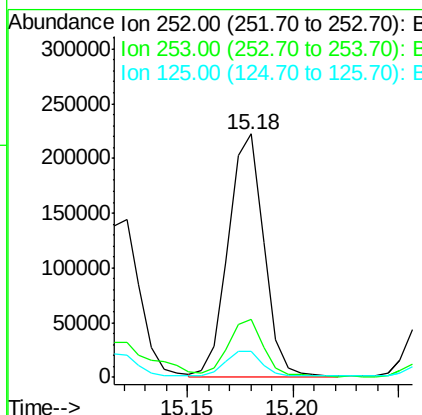
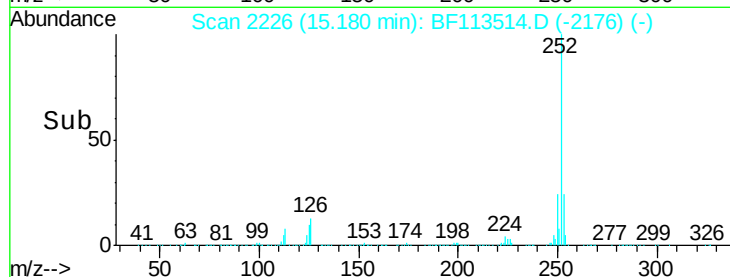
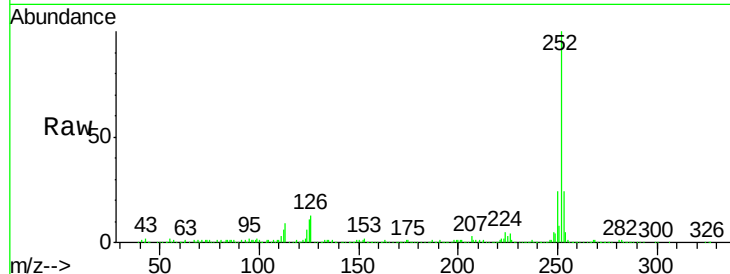
#90
Benzo(a)pyrene
Concen: 12.882 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113514.D
Acq: 2 Apr 2019 19:16

Instrument :
BNA_F
ClientSampled :
TP-7

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.1	17.9	26.9
125	10.6	8.8	13.2

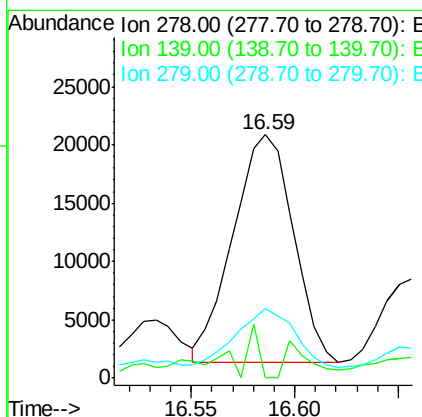
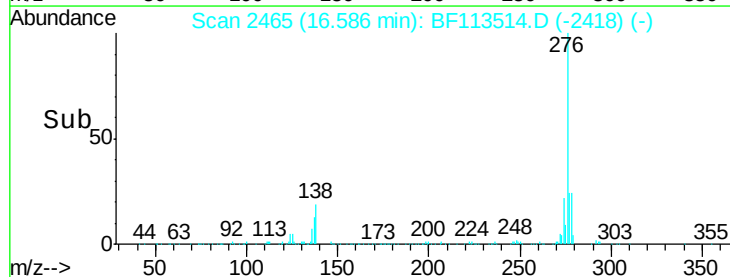
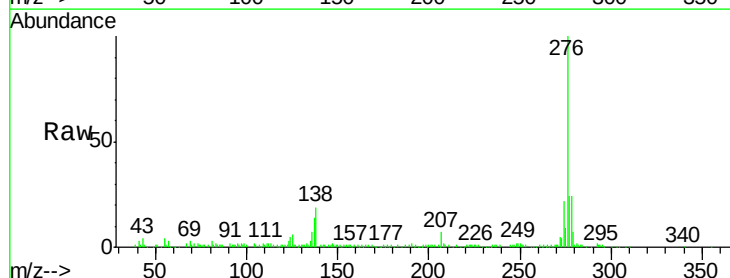
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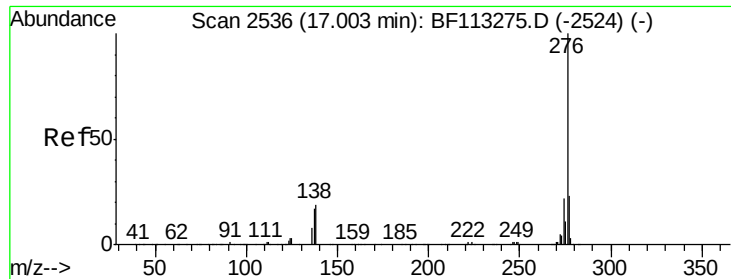
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#91
Dibenzo(a,h)anthracene
Concen: 2.288 ng m
RT: 16.59 min Scan# 2465
Delta R.T. -0.02 min
Lab File: BF113514.D
Acq: 2 Apr 2019 19:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	0.0	12.0	18.0#
279	28.7	19.0	28.6#





#92
 Benzo(g,h,i)perylene
 Concen: 7.346 ng
 RT: 16.99 min Scan# 2534
 Delta R.T. -0.01 min
 Lab File: BF113514.D
 Acq: 2 Apr 2019 19:16

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.8	28.2
138	20.3	15.6	23.4

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