

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
 Data File : BF113521.D
 Acq On : 2 Apr 2019 22:39
 Operator : JU/SJ
 Sample : K2180-19
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-10

Manual Integrations
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Sohil
 4/3/2019 12:42:49 PM

Quant Time: Apr 03 08:10:10 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	134862	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	472136	20.00	ng	-0.01
39) Acenaphthene-d10	9.72	164	221580	20.00	ng	-0.02
64) Phenanthrene-d10	11.20	188	363255	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	332785	20.00	ng	-0.02
87) Perylene-d12	15.23	264	322066	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	872402	105.77	ng	0.00
7) Phenol-d6	6.35	99	1104133	105.82	ng	-0.01
23) Nitrobenzene-d5	7.26	82	652155	81.98	ng	-0.01
42) 2,4,6-Tribromophenol	10.51	330	275463	100.64	ng	-0.02
45) 2-Fluorobiphenyl	9.05	172	1193820	84.30	ng	-0.02
79) Terphenyl-d14	12.78	244	997591	66.07	ng	-0.02
Target Compounds						
37) 2-Methylnaphthalene	8.69	142	40877	2.839	ng	Qvalue 97
38) 1-Methylnaphthalene	8.78	142	60726	4.385	ng	100
50) Dimethylphthalate	9.44	163	164502	10.018	ng	100
71) Phenanthrene	11.22	178	115940	6.427	ng	98
75) Fluoranthene	12.41	202	160946	7.892	ng	99
78) Pyrene	12.63	202	155690	6.751	ng	97
81) Benzo(a)anthracene	13.82	228	80777	4.240	ng	99
83) Chrysene	13.86	228	85177	4.402	ng	97
86) Indeno(1,2,3-cd)pyrene	16.59	276	54751	3.297	ng	98
88) Benzo(b)fluoranthene	14.84	252	137854m	6.890	ng	
89) Benzo(k)fluoranthene	14.86	252	40026m	2.278	ng	
90) Benzo(a)pyrene	15.18	252	86771	4.892	ng	# 96
92) Benzo(g,h,i)perylene	17.00	276	54116	3.500	ng	95

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

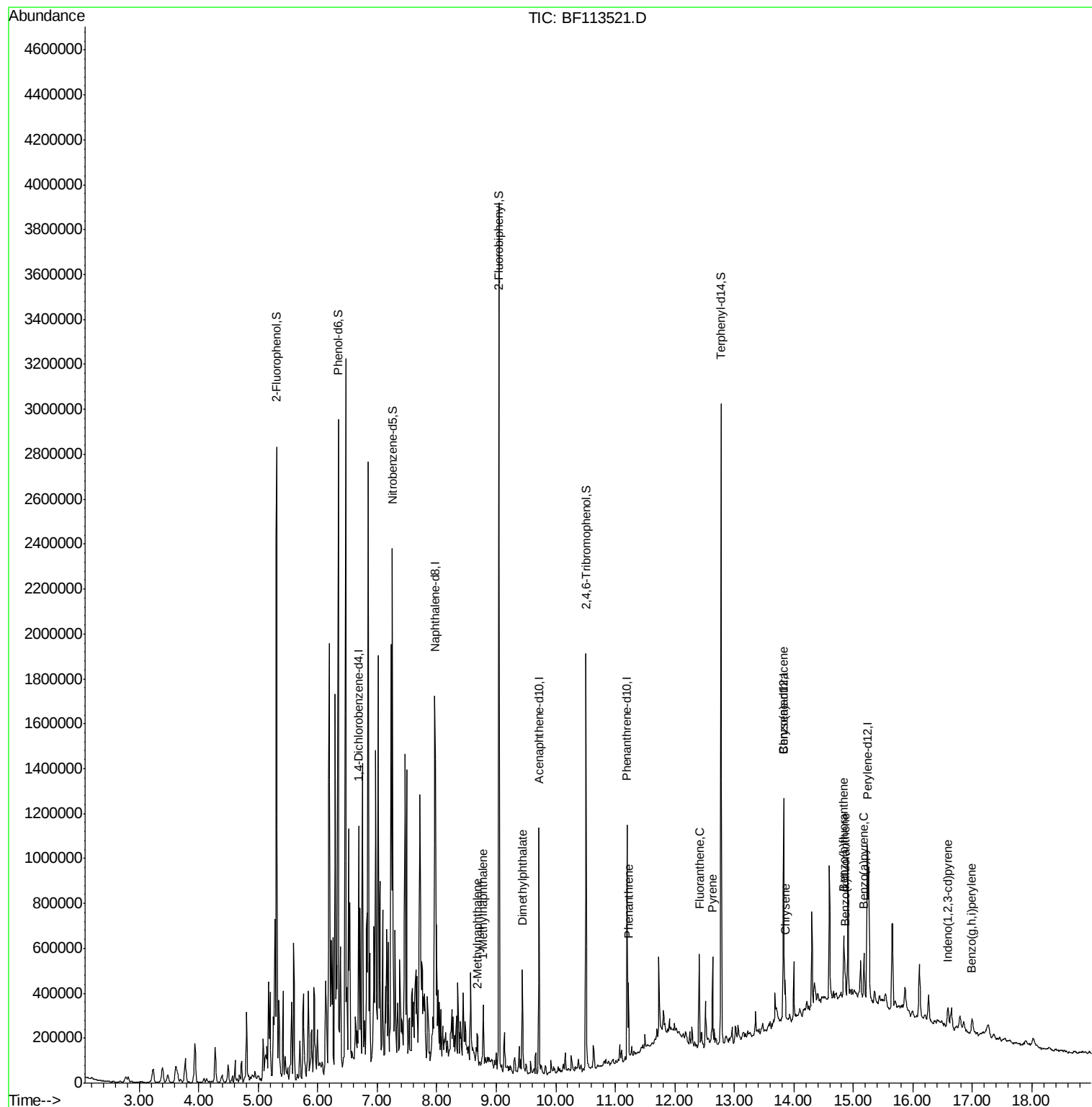
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113521.D
Acq On : 2 Apr 2019 22:39
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ALS Vial : 22 Sample Multiplier: 1

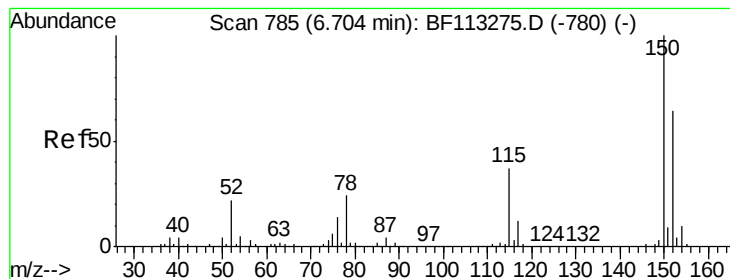
Instrument :
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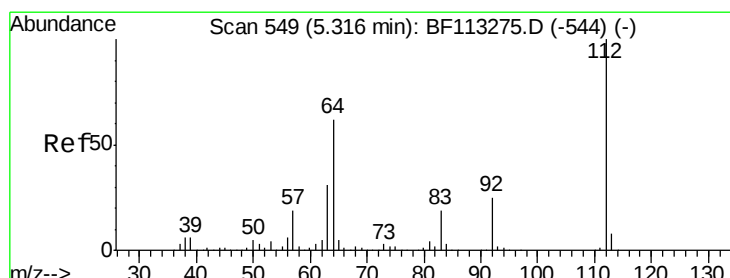
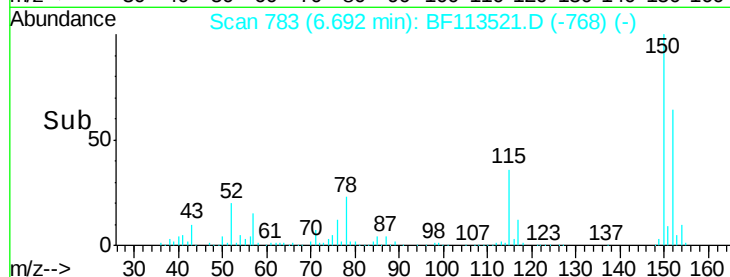
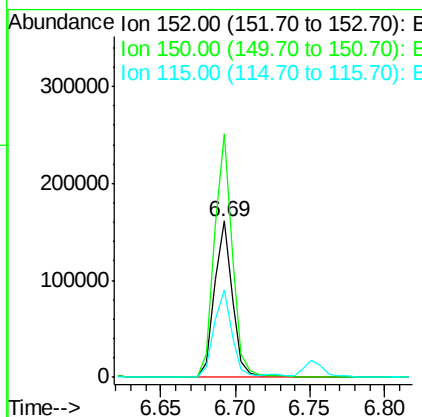
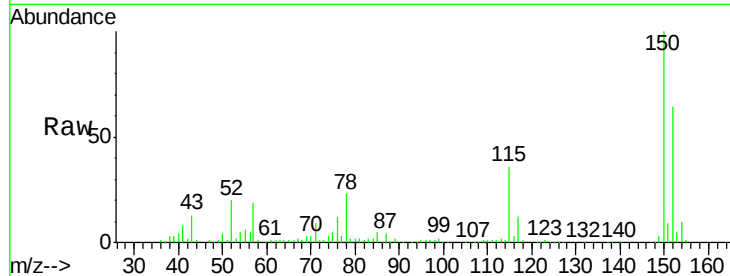
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF113521.D
 Acq: 2 Apr 2019 22:39

Instrument :
 BNA_F
 ClientSampleId :
 TP-10

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.7	187.1
115	56.4	46.0	69.0

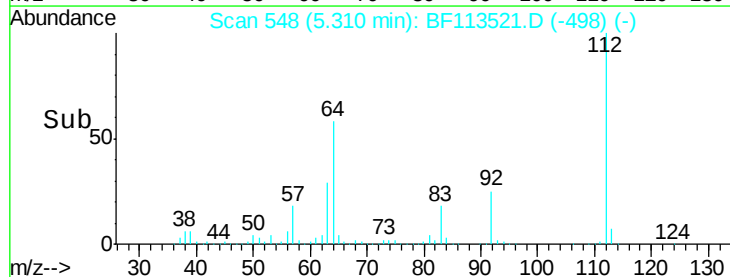
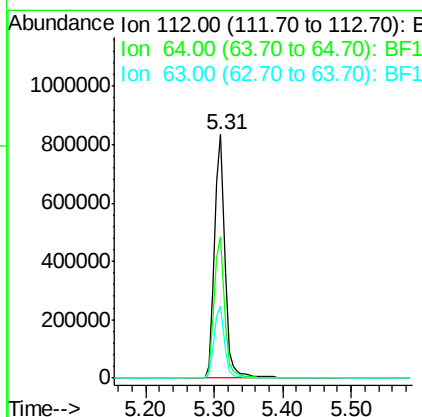
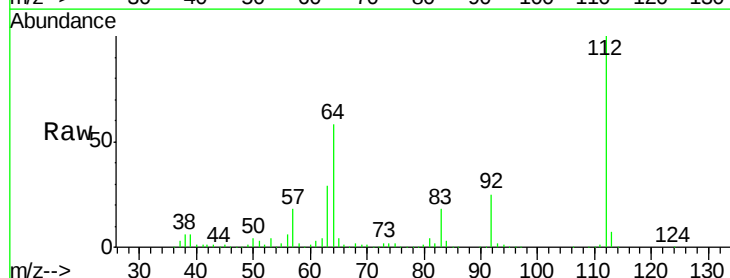
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#5
 2-Fluorophenol
 Concen: 105.773 ng
 RT: 5.31 min Scan# 548
 Delta R.T. -0.01 min
 Lab File: BF113521.D
 Acq: 2 Apr 2019 22:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	49.2	73.8
63	29.5	24.9	37.3





#7

Phenol-d6

Concen: 105.821 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113521.D

Acq: 2 Apr 2019 22:39

Instrument :

BNA_F

ClientSampleId :

TP-10

Tgt Ion: 99 Resp: 1104133

Ion Ratio Lower Upper

99 100

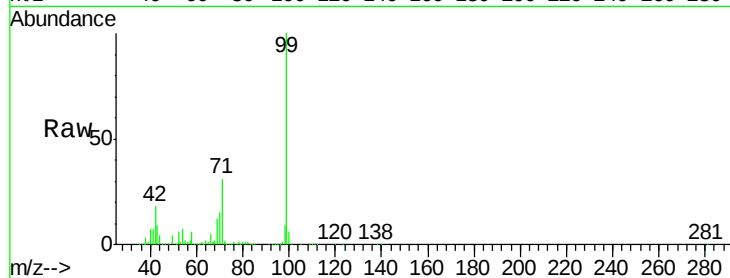
42 17.6 14.8 22.2

71 30.8 24.9 37.3

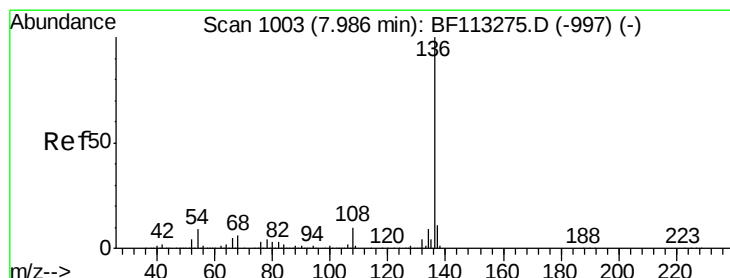
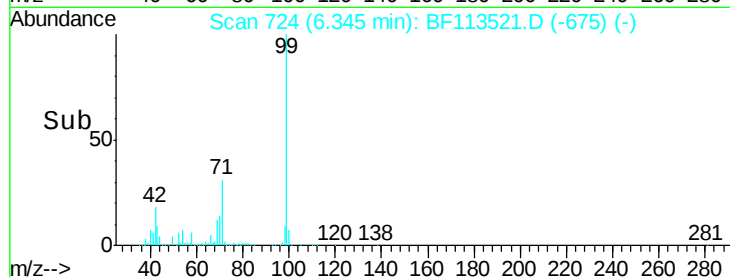
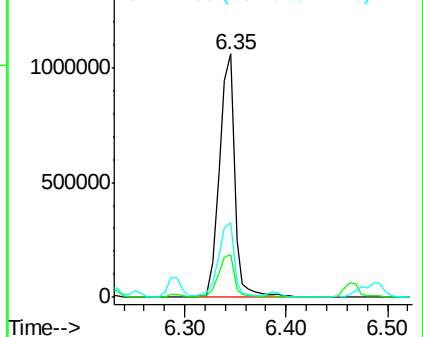
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF113521.D

Acq: 2 Apr 2019 22:39

Tgt Ion: 136 Resp: 472136

Ion Ratio Lower Upper

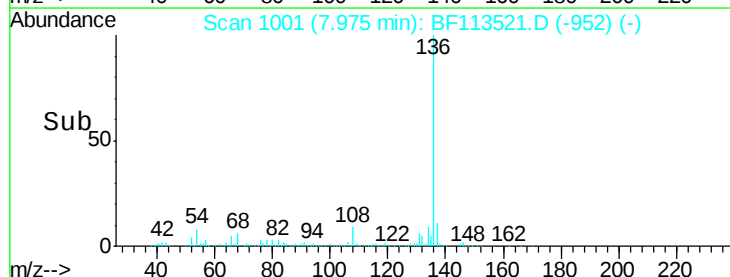
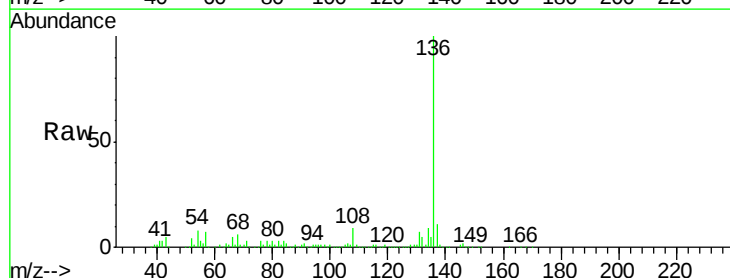
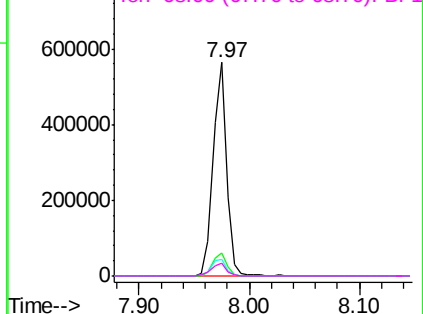
136 100

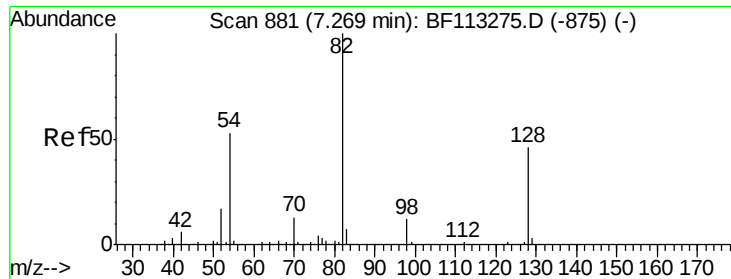
137 11.0 8.9 13.3

54 7.9 7.0 10.6

68 5.9 4.8 7.2

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





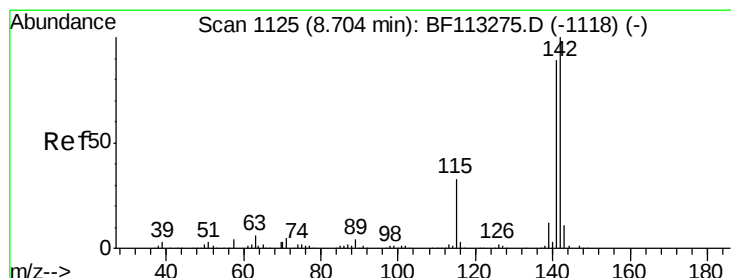
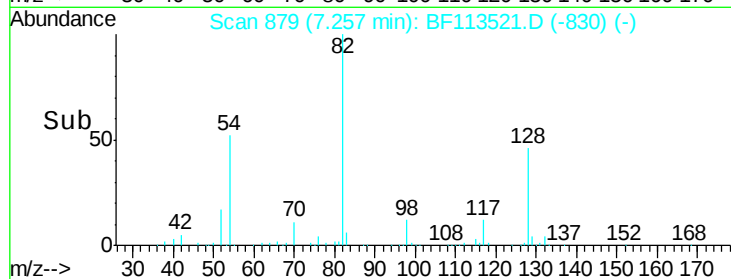
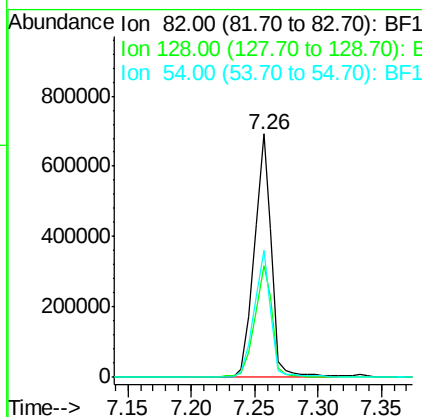
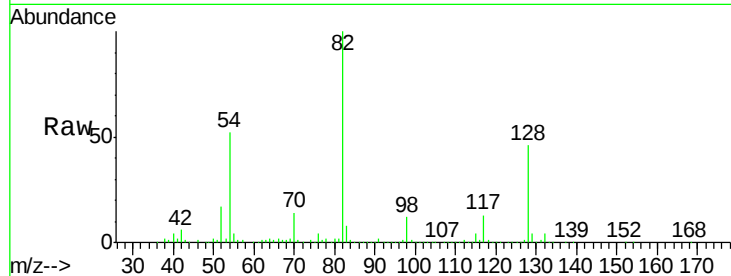
#23
 Nitrobenzene-d5
 Concen: 81.985 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF113521.D
 Acq: 2 Apr 2019 22:39

Instrument :
 BNA_F
 ClientSampled :
 TP-10

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	652155		
128	46.1	36.5	54.7	
54	52.0	42.2	63.2	

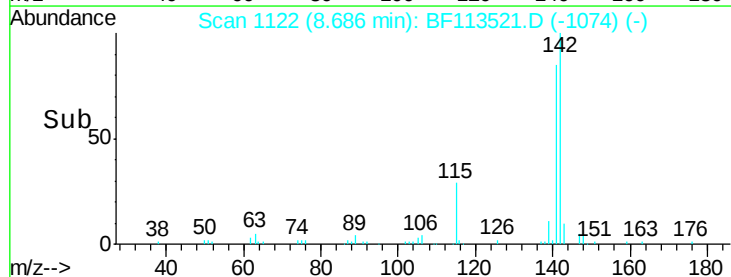
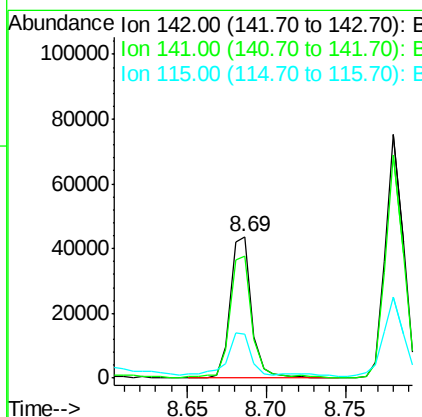
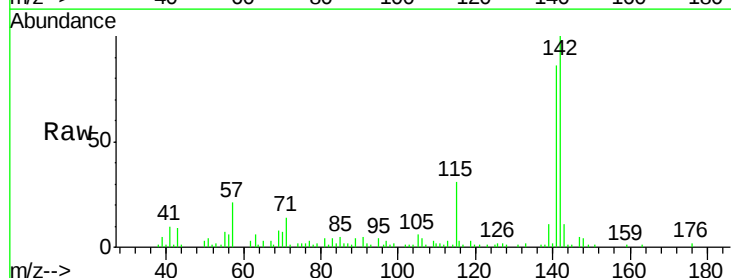
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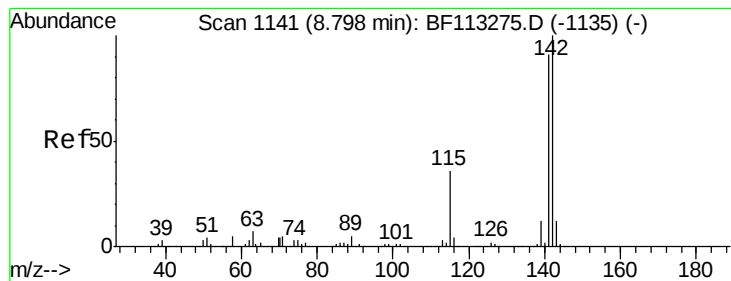
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#37
 2-Methylnaphthalene
 Concen: 2.839 ng
 RT: 8.69 min Scan# 1122
 Delta R.T. -0.02 min
 Lab File: BF113521.D
 Acq: 2 Apr 2019 22:39

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	40877		
141	86.2	71.0	106.6	
115	30.8	26.6	39.8	





#38

1-Methylnaphthalene

Concen: 4.385 ng

RT: 8.78 min Scan# 1138

Delta R.T. -0.02 min

Lab File: BF113521.D

Acq: 2 Apr 2019 22:39

Instrument :

BNA_F

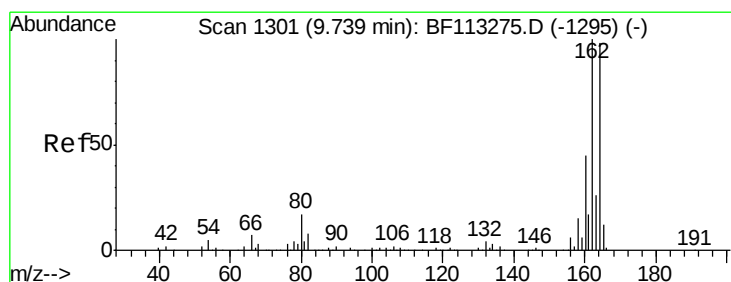
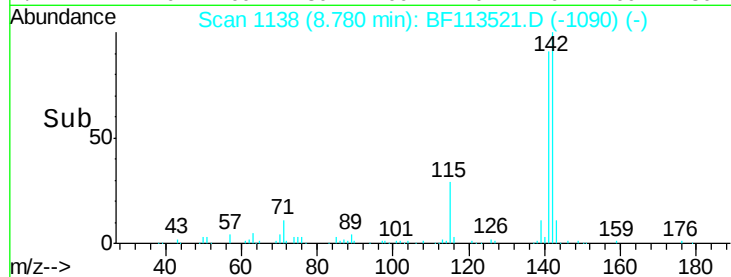
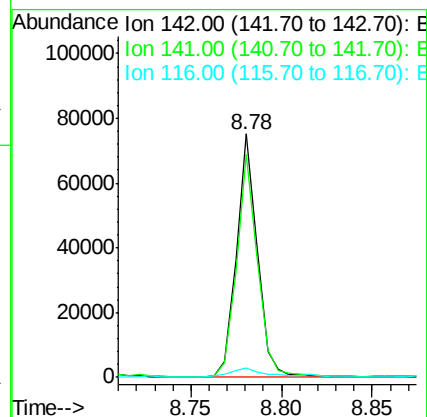
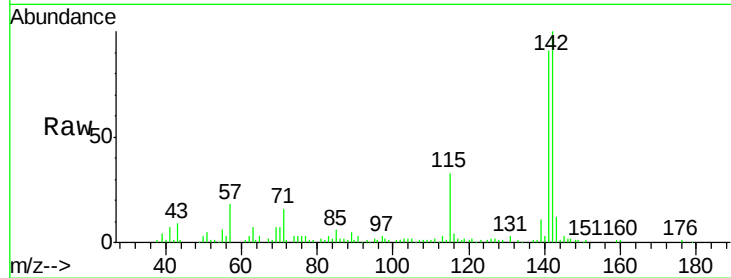
ClientSampled :

TP-10

Tgt Ion:	142	Resp:	60726
Ion Ratio	Lower	Upper	
142	100		
141	91.5	73.2	109.8
116	3.9	3.0	4.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

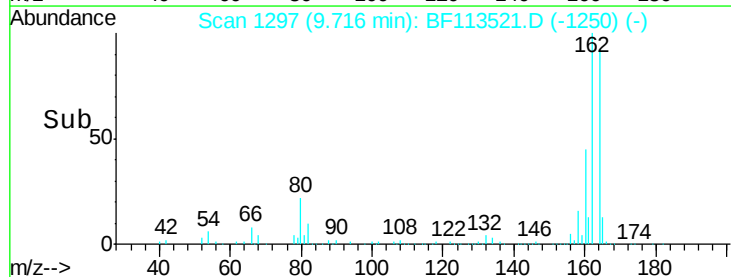
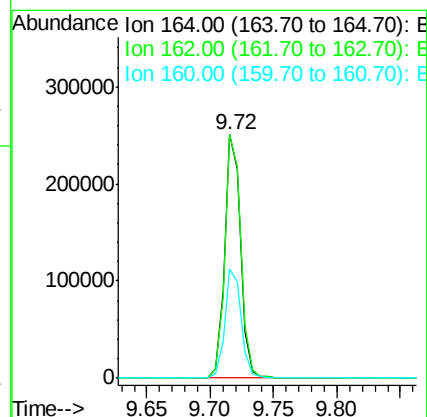
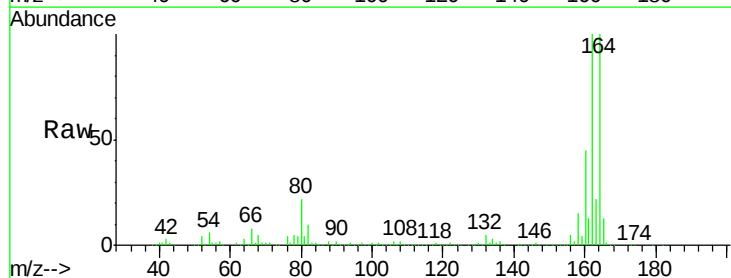
RT: 9.72 min Scan# 1297

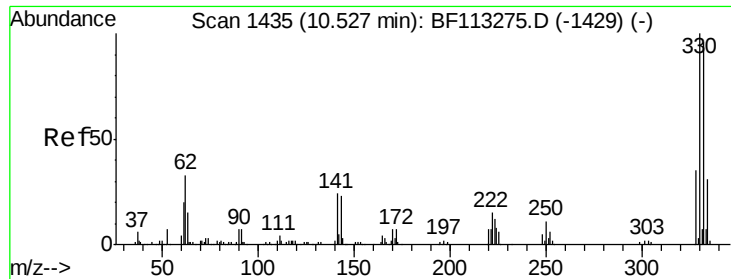
Delta R.T. -0.02 min

Lab File: BF113521.D

Acq: 2 Apr 2019 22:39

Tgt Ion:	164	Resp:	221580
Ion Ratio	Lower	Upper	
164	100		
162	99.9	81.8	122.6
160	44.7	36.4	54.6





#42

2,4,6-Tribromophenol

Concen: 100.643 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.02 min

Lab File: BF113521.D

Acq: 2 Apr 2019 22:39

Instrument :

BNA_F

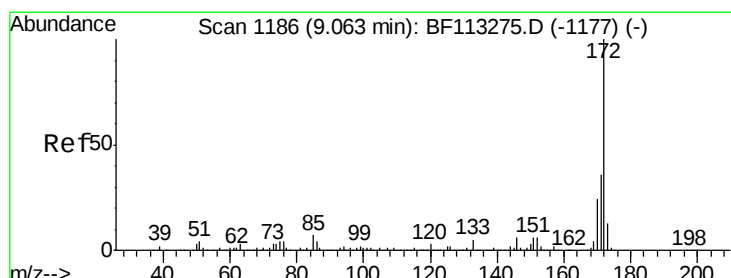
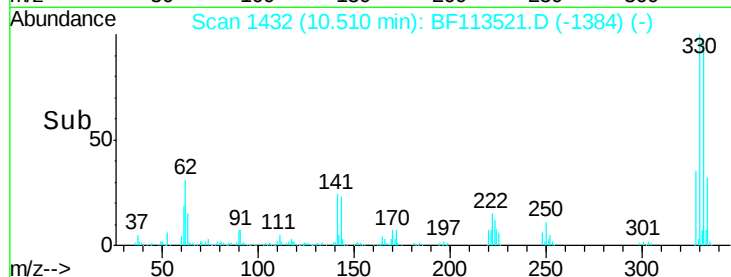
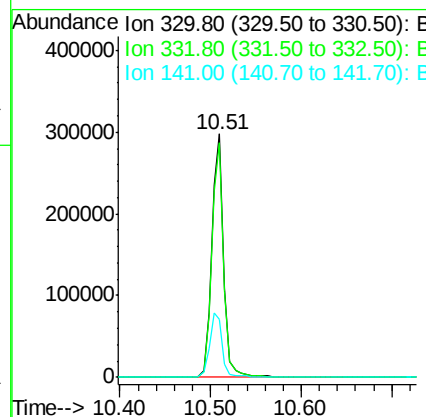
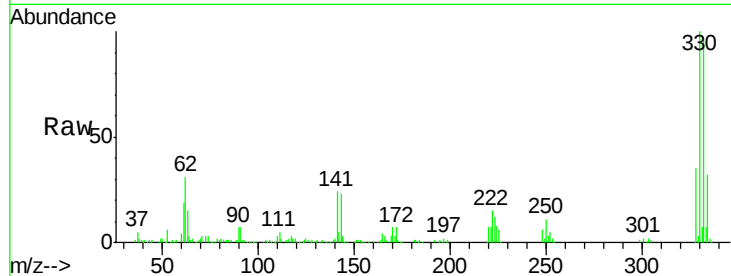
ClientSampled :

TP-10

Tgt Ion:	330	Resp:	275463
Ion Ratio		Lower	Upper
330	100		
332	96.3	77.8	116.6
141	27.8	22.7	34.1

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#45

2-Fluorobiphenyl

Concen: 84.300 ng

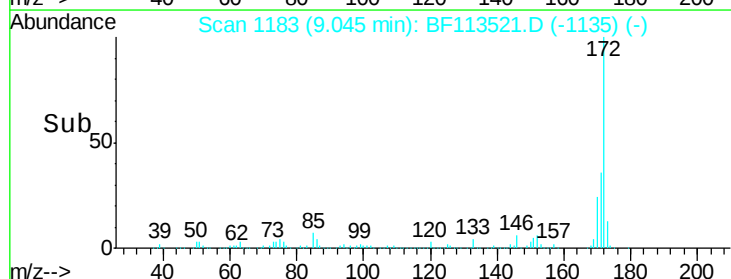
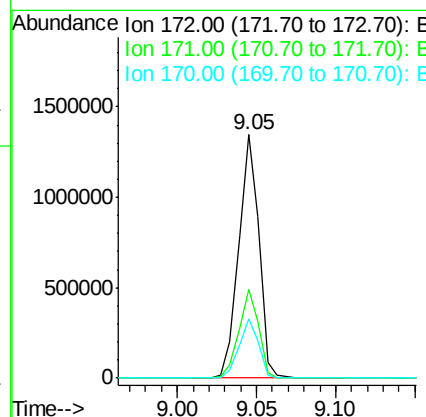
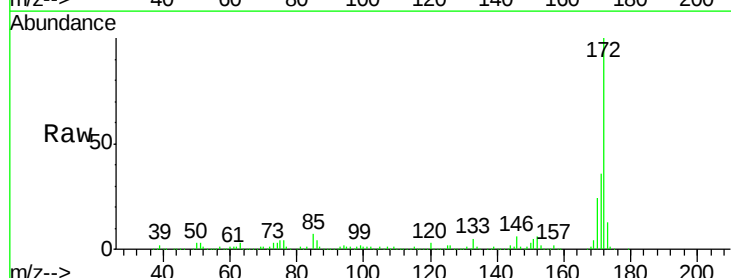
RT: 9.05 min Scan# 1183

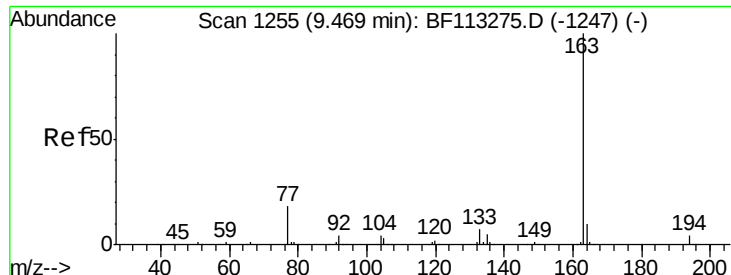
Delta R.T. -0.02 min

Lab File: BF113521.D

Acq: 2 Apr 2019 22:39

Tgt Ion:	172	Resp:	1193820
Ion Ratio		Lower	Upper
172	100		
171	36.4	29.0	43.6
170	24.2	19.5	29.3





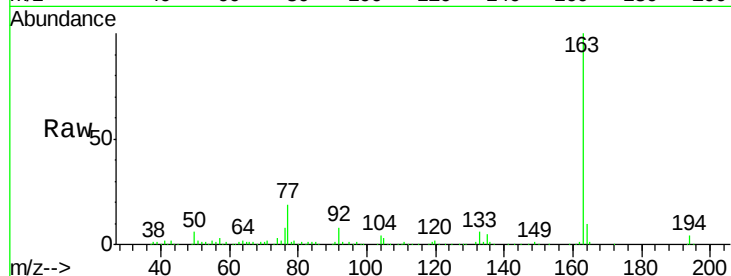
#50
Dimethylphthalate
Concen: 10.018 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.03 min
Lab File: BF113521.D
Acq: 2 Apr 2019 22:39

Instrument :
BNA_F
ClientSampled :
TP-10

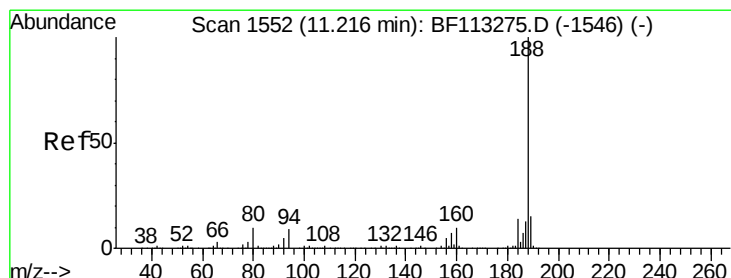
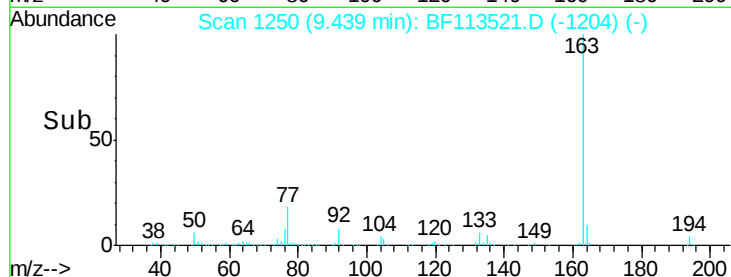
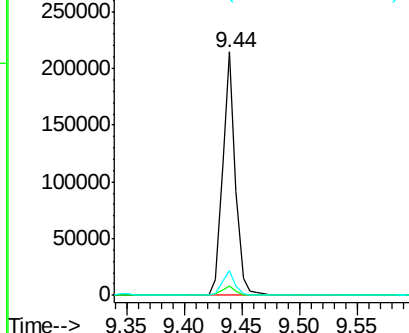
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.0	3.0	4.6
164	10.1	8.1	12.1

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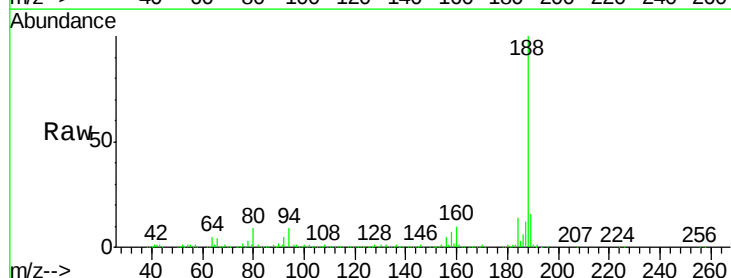


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

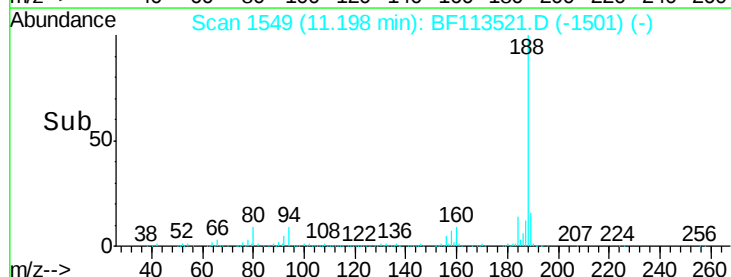
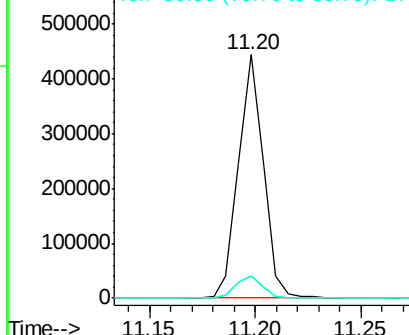


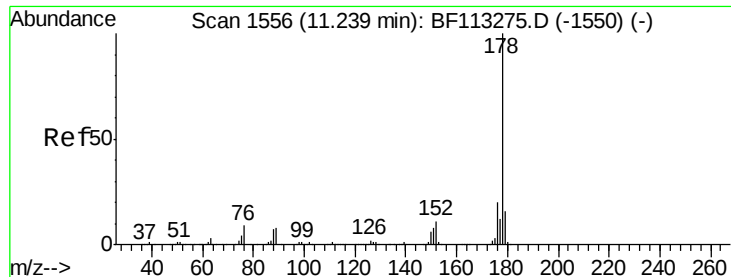
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.02 min
Lab File: BF113521.D
Acq: 2 Apr 2019 22:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.0	7.0	10.6
80	9.3	7.7	11.5



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 6.427 ng

RT: 11.22 min Scan# 1553

Delta R.T. -0.02 min

Lab File: BF113521.D

Acq: 2 Apr 2019 22:39

Instrument :

BNA_F

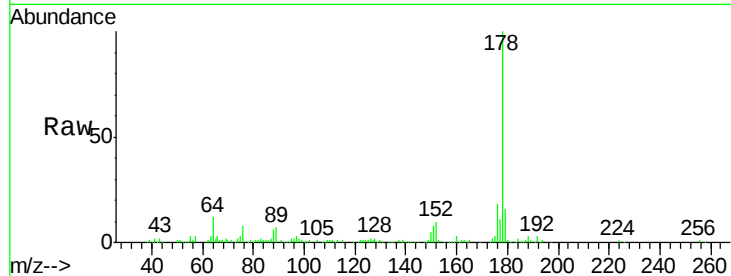
ClientSampleId :

TP-10

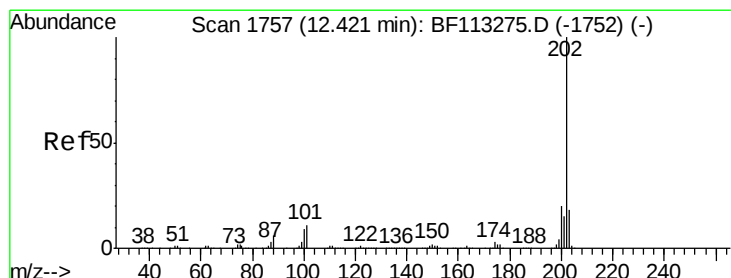
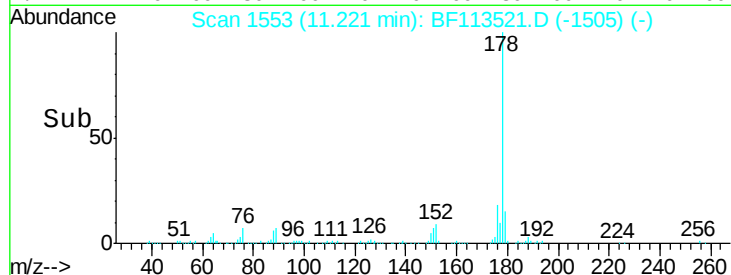
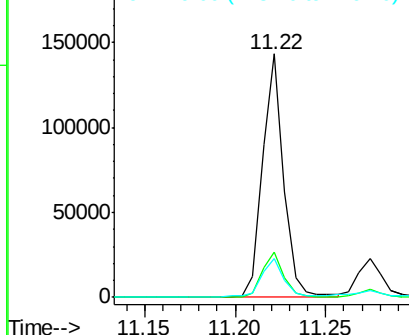
Tgt Ion:	178	Resp:	115940
Ion Ratio	Lower	Upper	
178	100		
176	18.4	16.2	24.2
179	15.8	12.7	19.1

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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



#75

Fluoranthene

Concen: 7.892 ng

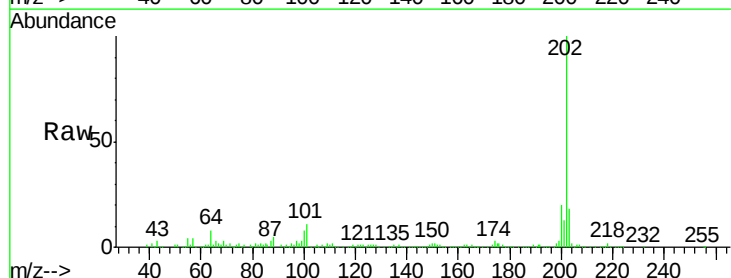
RT: 12.41 min Scan# 1755

Delta R.T. -0.01 min

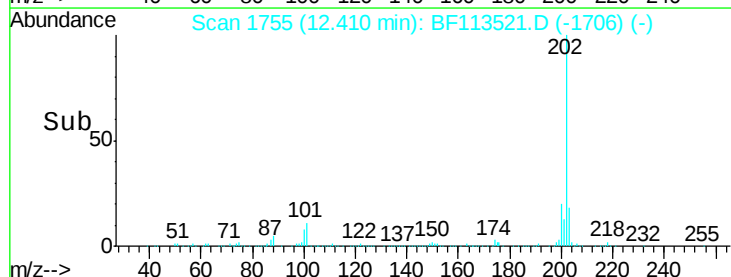
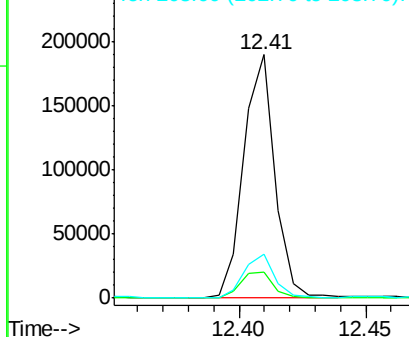
Lab File: BF113521.D

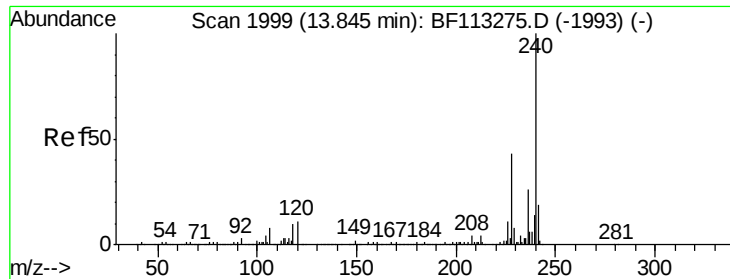
Acq: 2 Apr 2019 22:39

Tgt Ion:	202	Resp:	160946
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	31.4
203	17.9	0.0	38.0



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





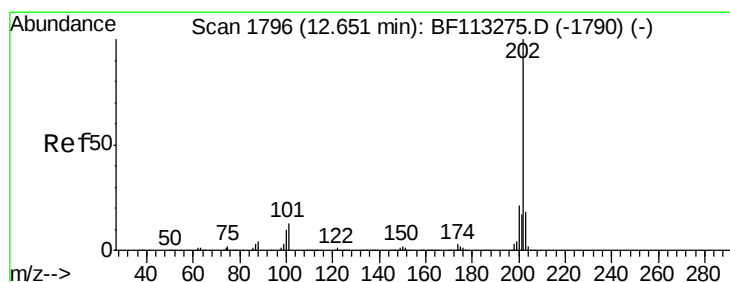
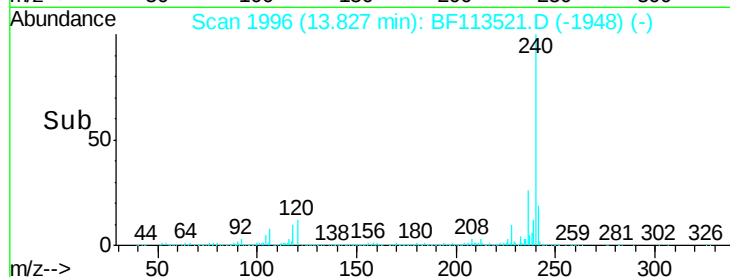
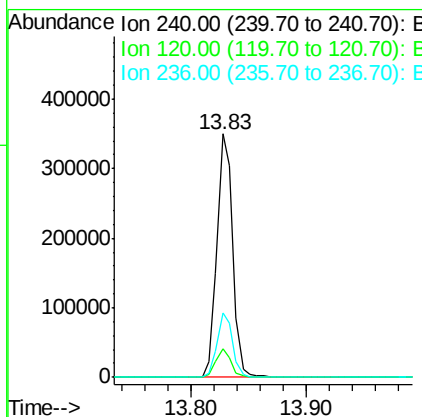
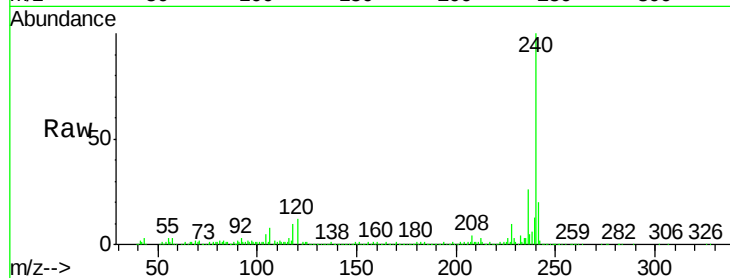
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.02 min
Lab File: BF113521.D
Acq: 2 Apr 2019 22:39

Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	332785		
120	11.7	8.8	13.2	
236	26.3	20.9	31.3	

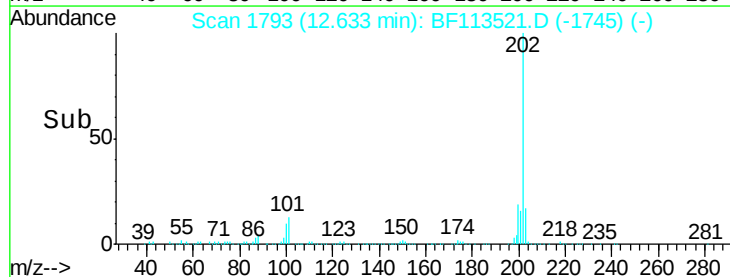
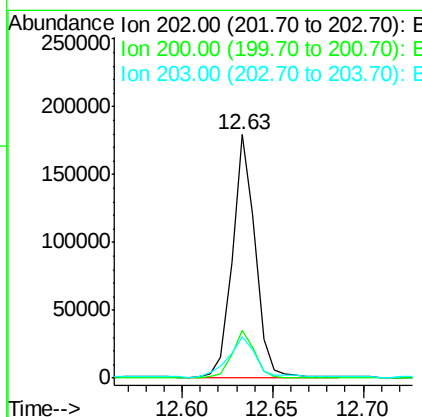
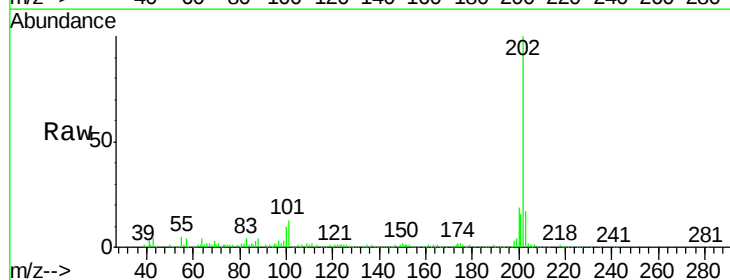
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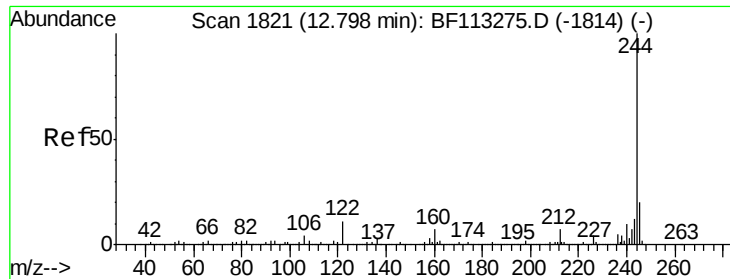
Sohil
4/3/2019 12:42:49 PM



#78
Pyrene
Concen: 6.751 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.02 min
Lab File: BF113521.D
Acq: 2 Apr 2019 22:39

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	155690		
200	19.4	16.8	25.2	
203	17.3	14.4	21.6	





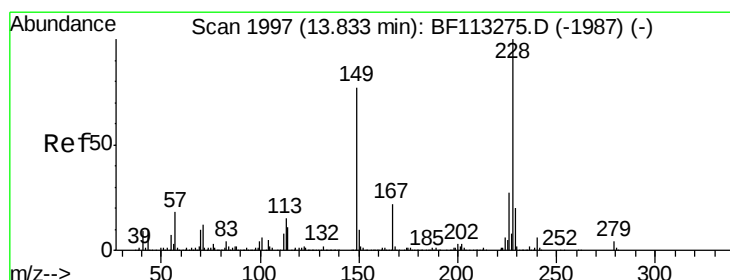
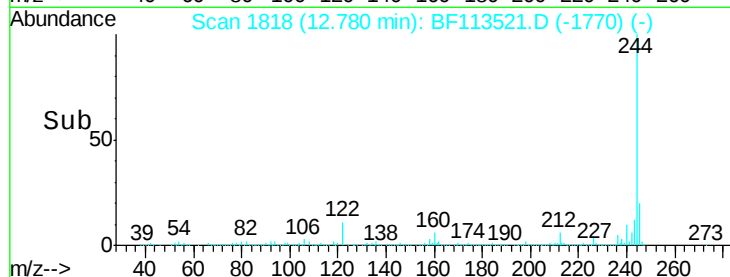
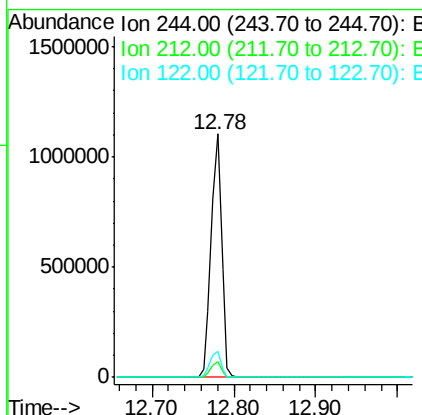
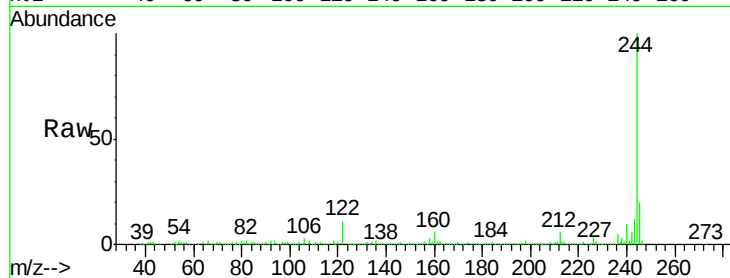
#79
 Terphenyl-d14
 Concen: 66.074 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BF113521.D
 Acq: 2 Apr 2019 22:39

Instrument :
 BNA_F
 ClientSampled :
 TP-10

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	997591		
212	6.4		5.5	8.3
122	10.6		8.6	13.0

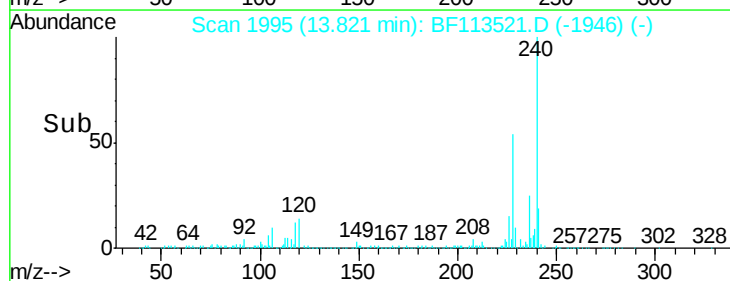
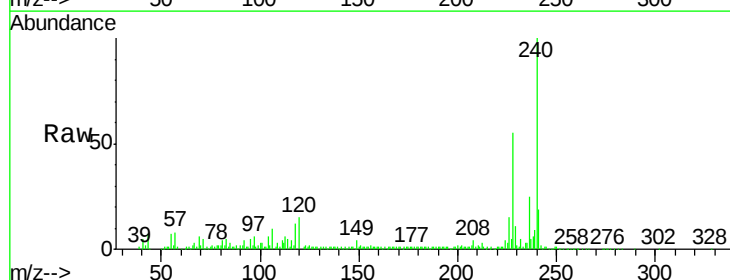
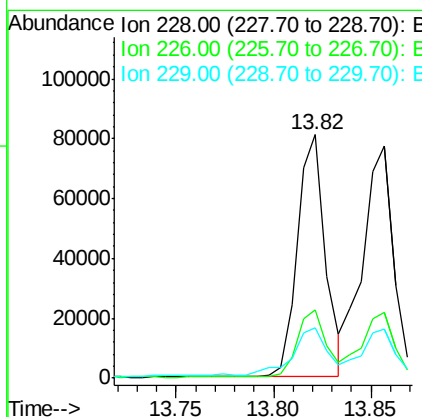
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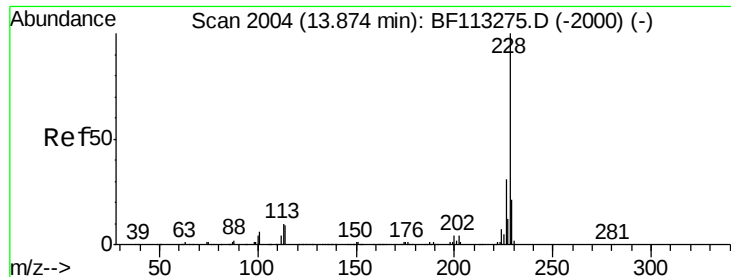
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#81
 Benzo(a)anthracene
 Concen: 4.240 ng
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.01 min
 Lab File: BF113521.D
 Acq: 2 Apr 2019 22:39

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	80777		
226	28.0		21.8	32.8
229	20.6		16.2	24.4





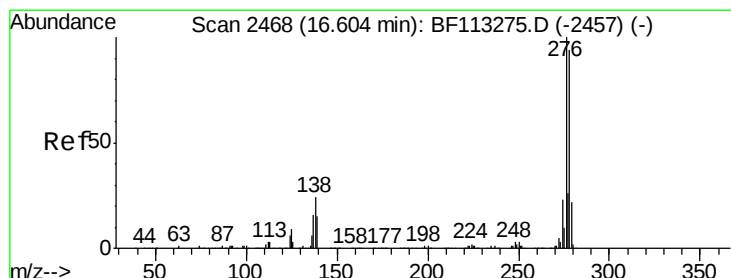
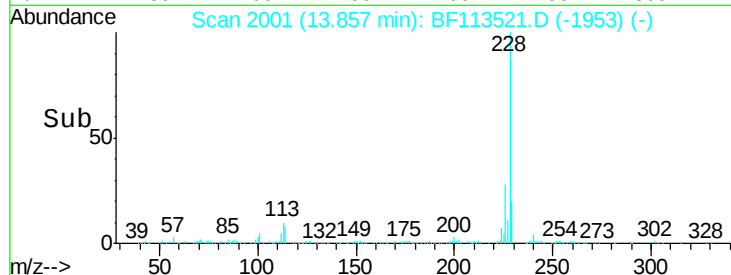
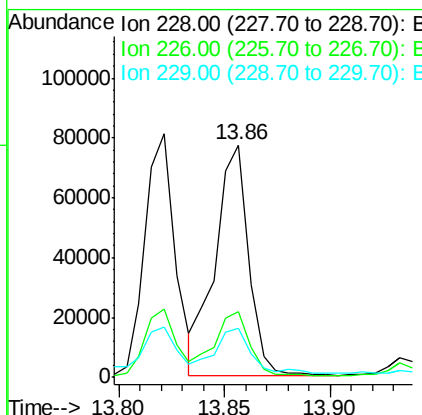
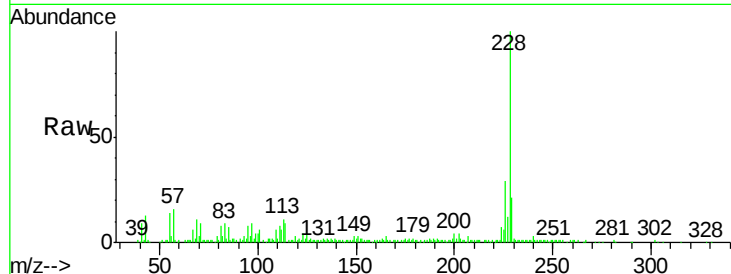
#83
Chrysene
Concen: 4.402 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.02 min
Lab File: BF113521.D
Acq: 2 Apr 2019 22:39

Instrument :
BNA_F
ClientSampled :
TP-10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	24.3	36.5
229	21.2	16.3	24.5

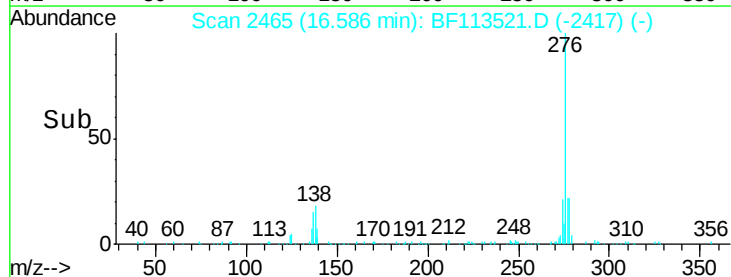
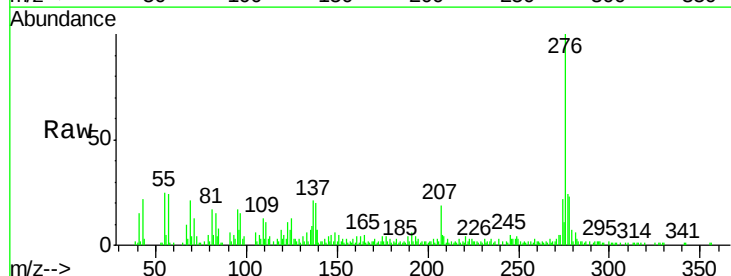
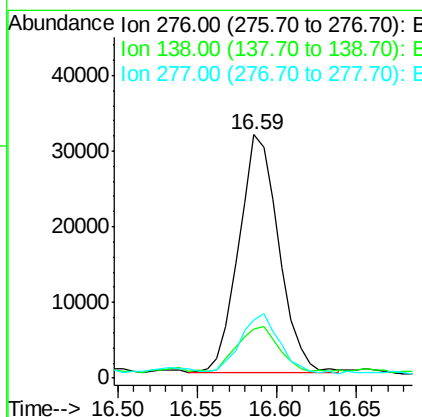
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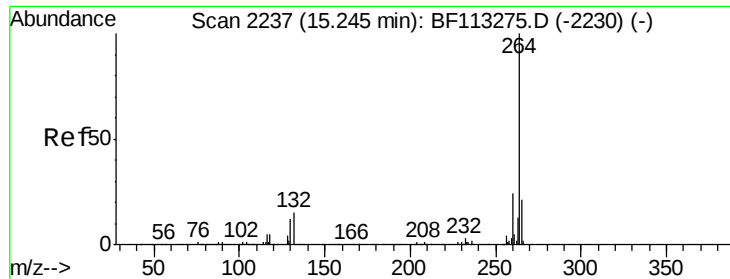
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4/3/2019 12:42:49 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.297 ng
RT: 16.59 min Scan# 2465
Delta R.T. -0.02 min
Lab File: BF113521.D
Acq: 2 Apr 2019 22:39

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.7	18.1	27.1
277	24.7	20.2	30.4





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.01 min

Lab File: BF113521.D

Acq: 2 Apr 2019 22:39

Instrument :

BNA_F

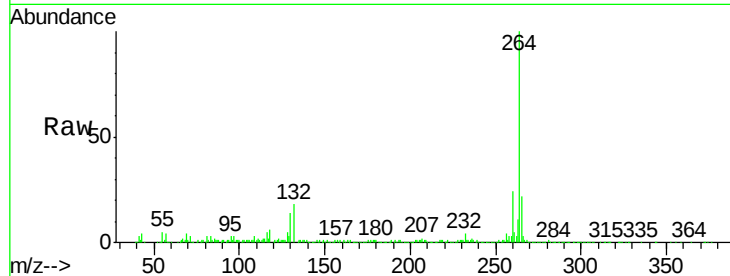
ClientSampleId :

TP-10

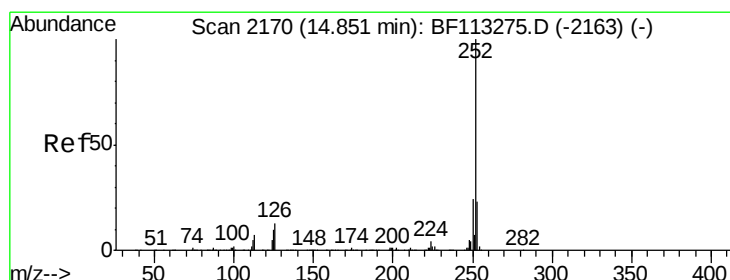
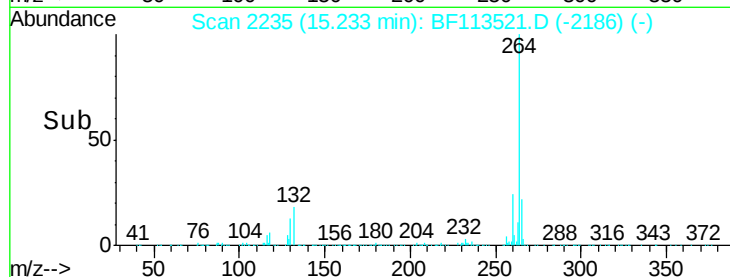
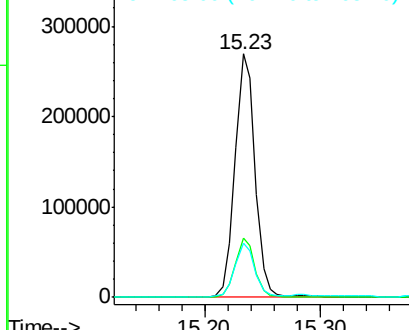
Tgt Ion:	264	Resp:	322066
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.1	28.7
265	22.3	17.1	25.7

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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: 6.890 ng m

RT: 14.84 min Scan# 2168

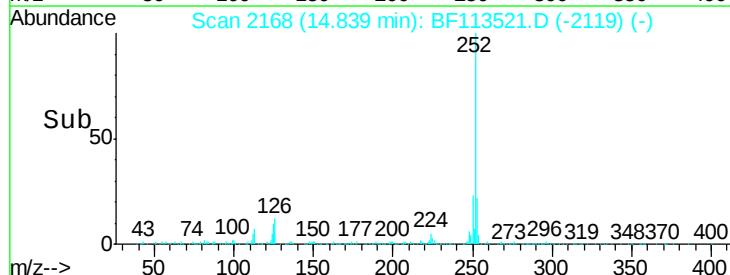
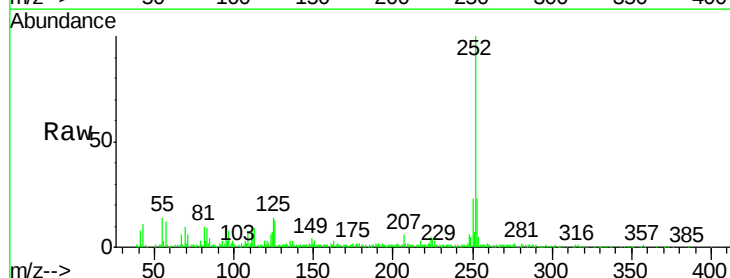
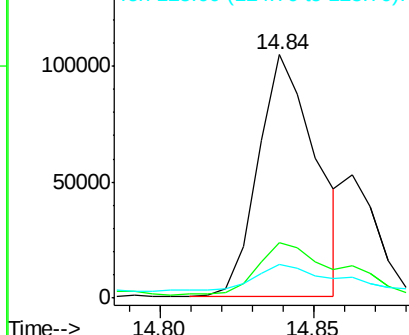
Delta R.T. -0.01 min

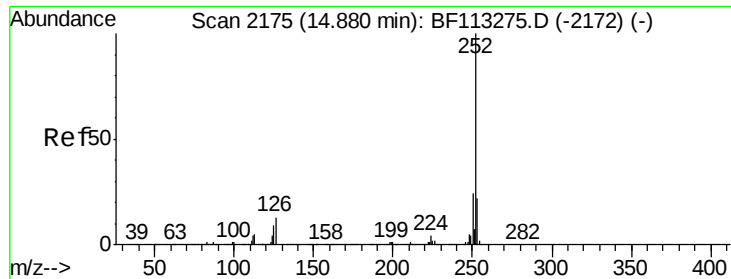
Lab File: BF113521.D

Acq: 2 Apr 2019 22:39

Tgt Ion:	252	Resp:	137854
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.0	27.0
125	13.7	7.6	11.4#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





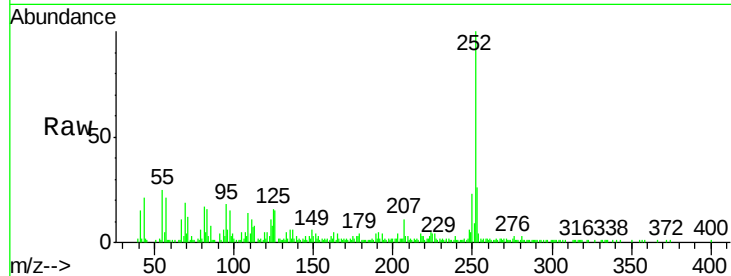
#89
Benzo(k)fluoranthene
Concen: 2.278 ng m
RT: 14.86 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF113521.D
Acq: 2 Apr 2019 22:39

Instrument :
BNA_F
ClientSampled :
TP-10

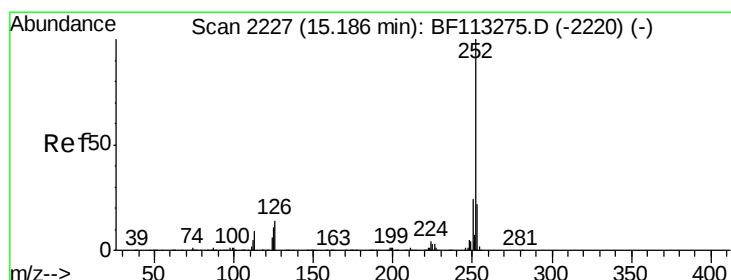
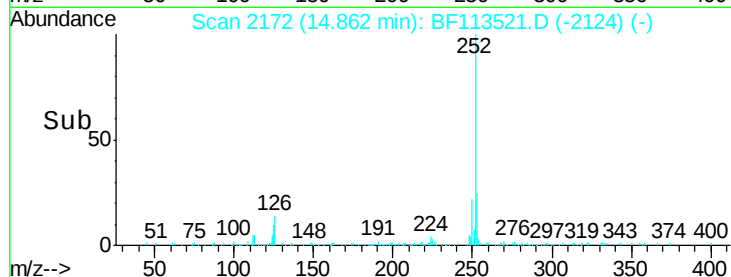
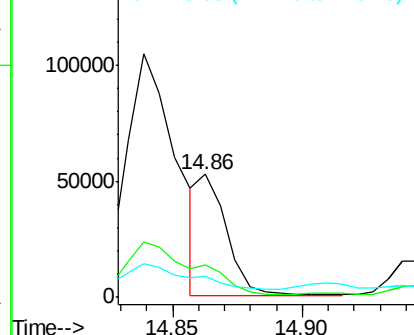
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.7	26.5
125	16.5	7.3	10.9

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4/3/2019 12:42:49 PM



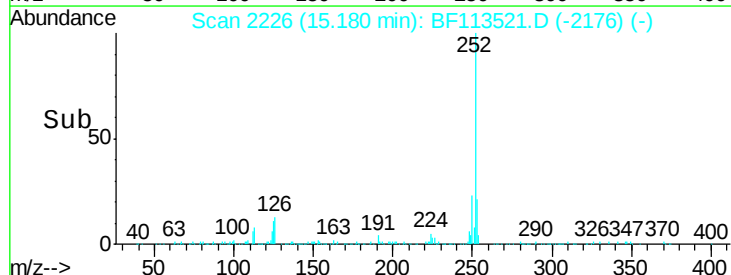
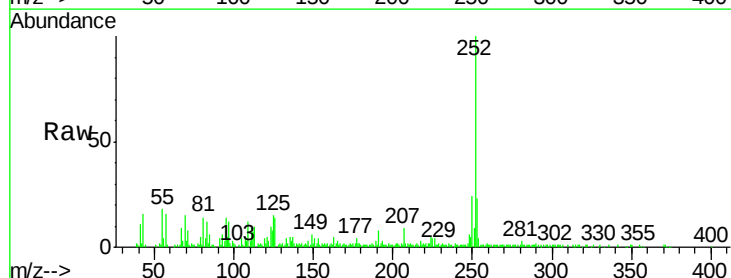
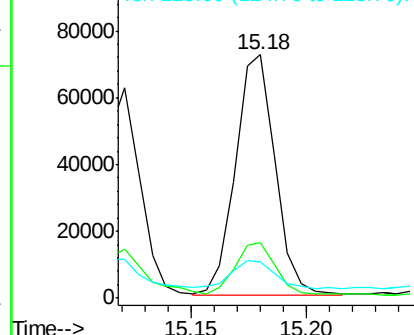
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

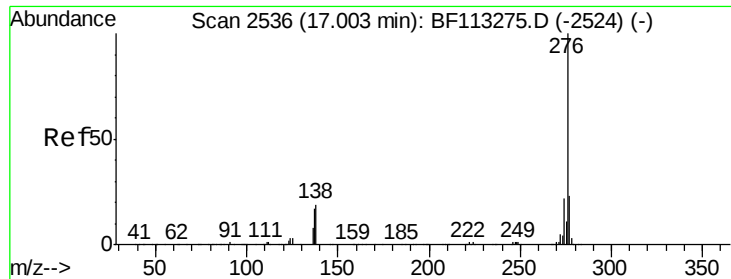


#90
Benzo(a)pyrene
Concen: 4.892 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113521.D
Acq: 2 Apr 2019 22:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	14.9	8.8	13.2

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(g,h,i)perylene
 Concen: 3.500 ng
 RT: 17.00 min Scan# 2535
 Delta R.T. -0.01 min
 Lab File: BF113521.D
 Acq: 2 Apr 2019 22:39

Instrument :
 BNA_F
 ClientSampleId :
 TP-10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.8	28.2
138	22.5	15.6	23.4

Manual Integrations
 APPROVED

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