

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
 Data File : BF113712.D
 Acq On : 10 Apr 2019 22:51
 Operator : JU/SJ
 Sample : K2342-07 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-11-D

Manual Integrations
 APPROVED

Sohil
 4/11/2019 2:40:03 PM

Quant Time: Apr 11 04:36:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	120031	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	441253	20.00	ng	0.00
39) Acenaphthene-d10	9.71	164	180231	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	351360	20.00	ng	-0.01
76) Chrysene-d12	13.83	240	343392	20.00	ng	-0.02
87) Perylene-d12	15.23	264	249585	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	181972	25.85	ng	0.00
7) Phenol-d6	6.33	99	243759	28.10	ng	0.00
23) Nitrobenzene-d5	7.25	82	126126	16.74	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	51430	23.76	ng	-0.01
45) 2-Fluorobiphenyl	9.03	172	188839	16.87	ng	-0.02
79) Terphenyl-d14	12.77	244	180659	10.71	ng	-0.02
Target Compounds						
71) Phenanthrene	11.22	178	41689	2.388	ng	98
75) Fluoranthene	12.40	202	148011	7.911	ng	98
78) Pyrene	12.63	202	142805	5.466	ng	97
81) Benzo(a)anthracene	13.82	228	94242	4.758	ng	99
83) Chrysene	13.85	228	85739	4.270	ng	100
86) Indeno(1,2,3-cd)pyrene	16.60	276	40459	2.182	ng	93
88) Benzo(b)fluoranthene	14.84	252	94582m	6.191	ng	
89) Benzo(k)fluoranthene	14.86	252	32582m	2.376	ng	
90) Benzo(a)pyrene	15.18	252	65622	4.834	ng	97
92) Benzo(g,h,i)perylene	17.02	276	41324	3.189	ng	# 91

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

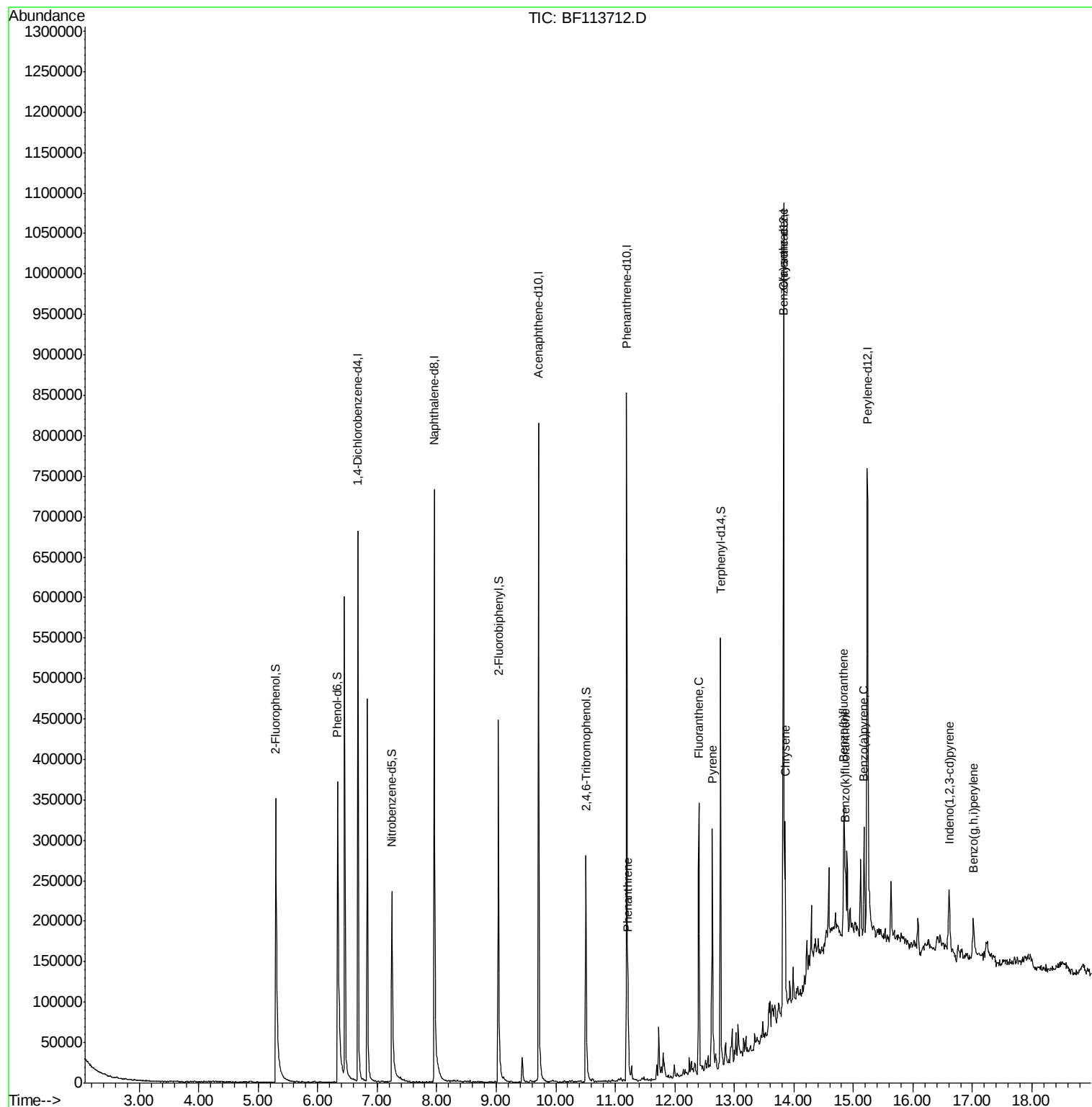
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
Data File : BF113712.D
Acq On : 10 Apr 2019 22:51
Operator : JU/SJ
Sample : K2342-07 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

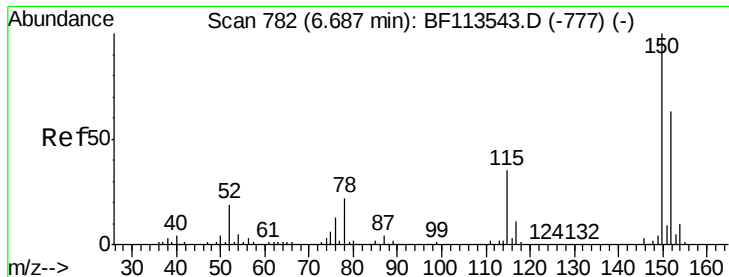
Instrument :
BNA_F
ClientSampleId :
TP-11-D

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Quant Time: Apr 11 04:36:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

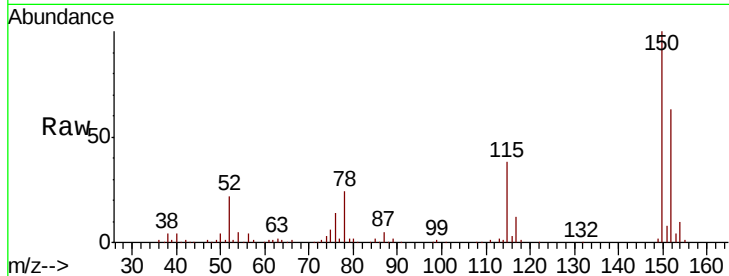
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

Instrument :
BNA_F
ClientSampled :
TP-11-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.7	187.1
115	59.4	46.0	69.0

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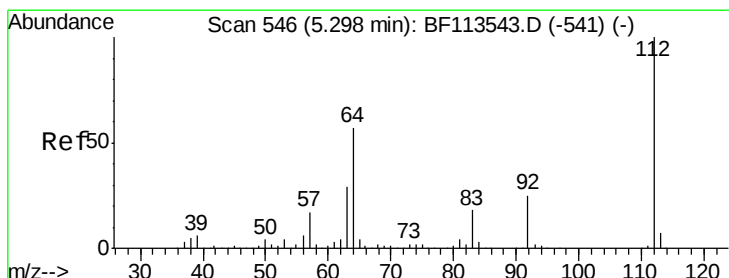
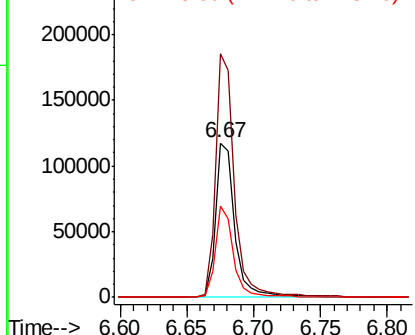
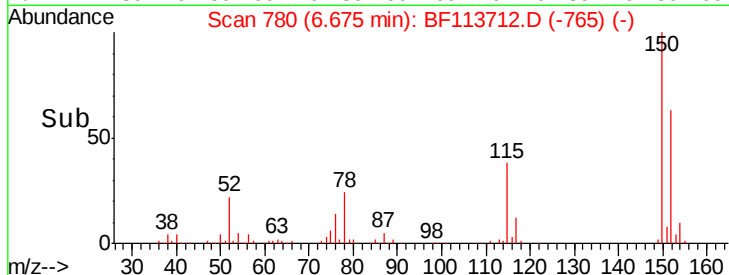


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

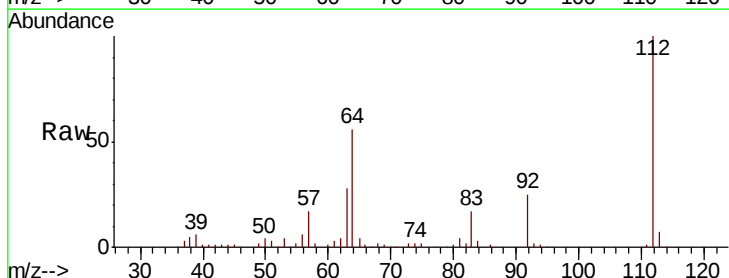
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 25.852 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	49.2	73.8
63	27.7	24.9	37.3

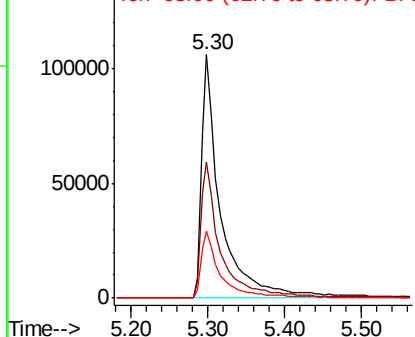
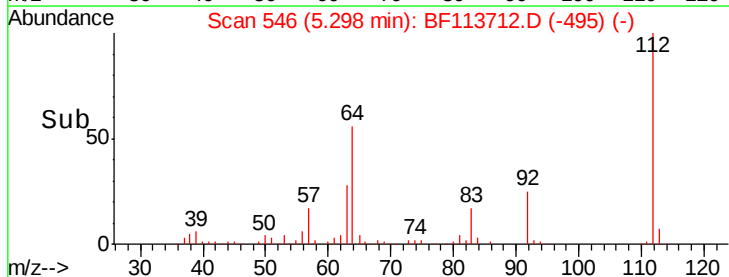


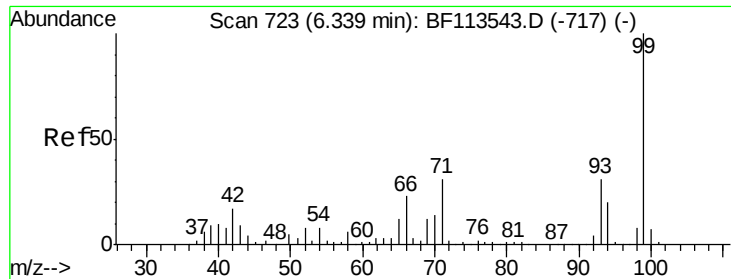
Abundance

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: 28.097 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113712.D

Acq: 10 Apr 2019 22:51

Instrument :

BNA_F

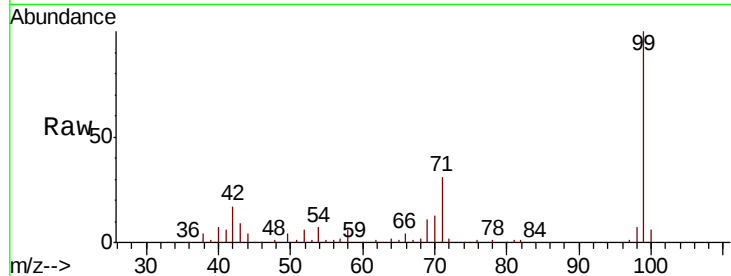
ClientSampled :

TP-11-D

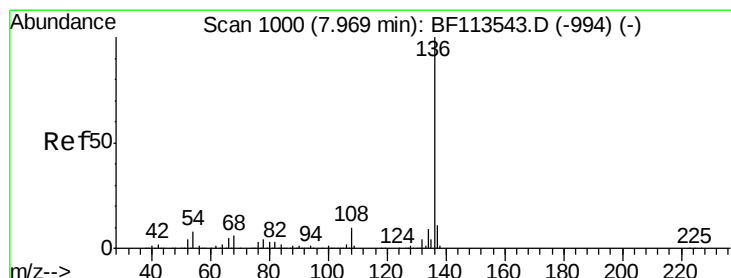
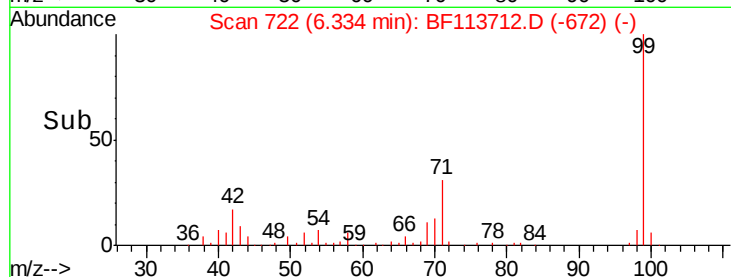
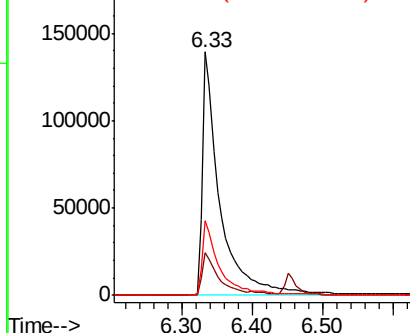
Tot Ion:	99	Resp:	243759
Ion	Ratio	Lower	Upper
99	100		
42	17.3	14.8	22.2
71	30.5	24.9	37.3

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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: 7.96 min Scan# 999

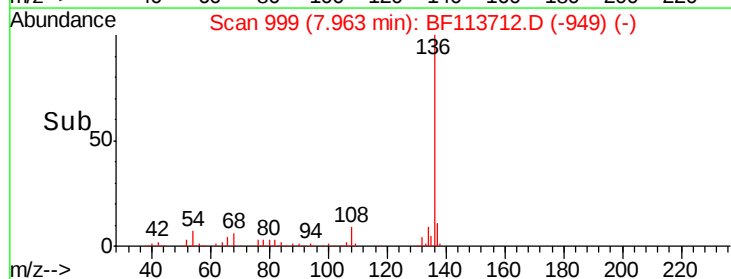
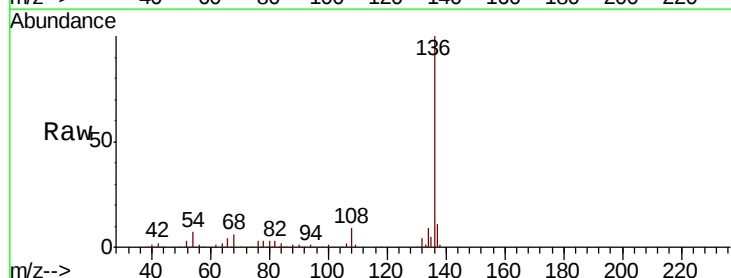
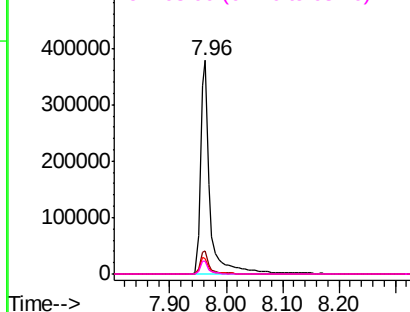
Delta R.T. -0.01 min

Lab File: BF113712.D

Acq: 10 Apr 2019 22:51

Tgt Ion:	136	Resp:	441253
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.4	7.0	10.6
68	5.8	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





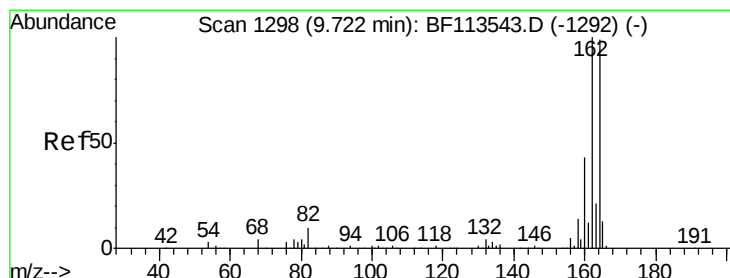
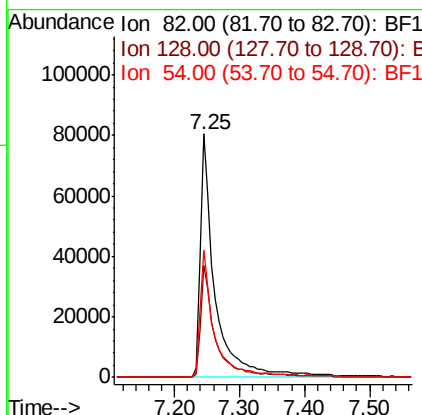
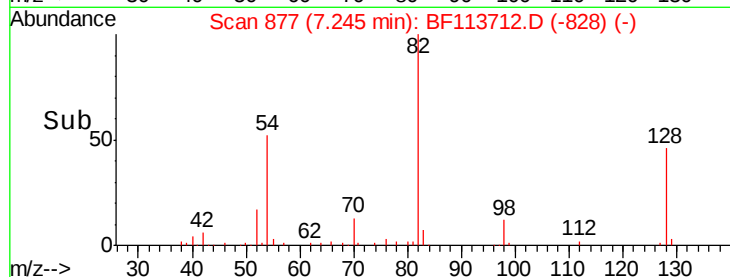
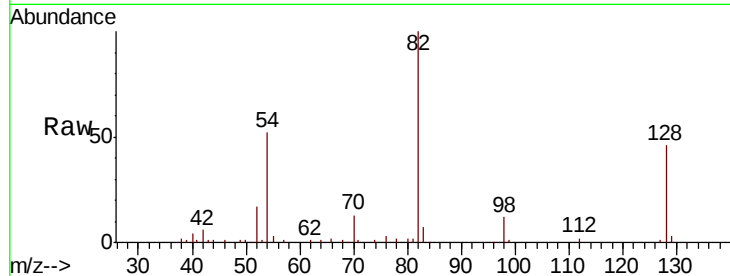
#23
Nitrobenzene-d5
Concen: 16.743 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

Instrument :
BNA_F
ClientSampled :
TP-11-D

Tot Ion	82	Resp	126126
Ion Ratio	100	Lower	Upper
82	100		
128	46.0	36.5	54.7
54	52.0	42.2	63.2

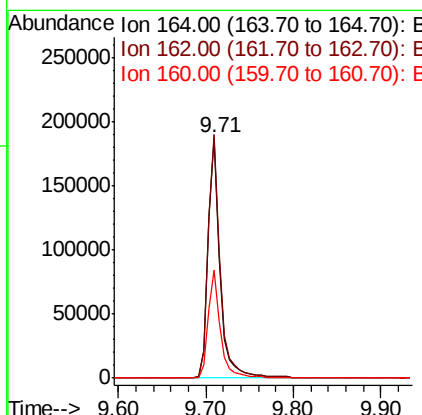
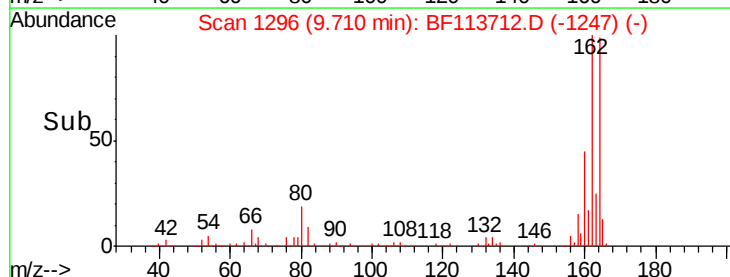
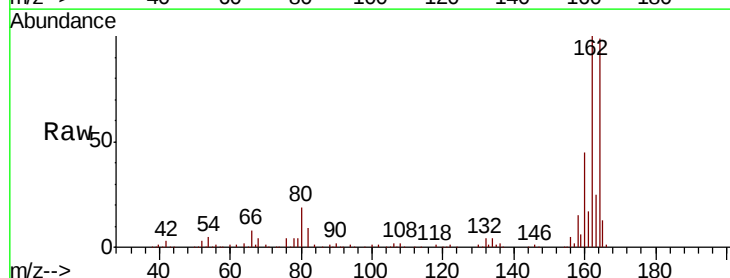
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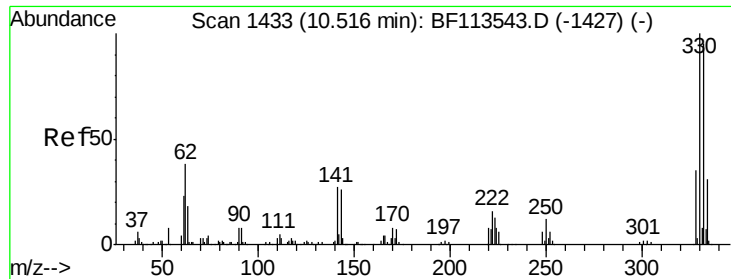
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

Tgt Ion	164	Resp	180231
Ion Ratio	100	Lower	Upper
164	100		
162	101.4	81.8	122.6
160	45.2	36.4	54.6





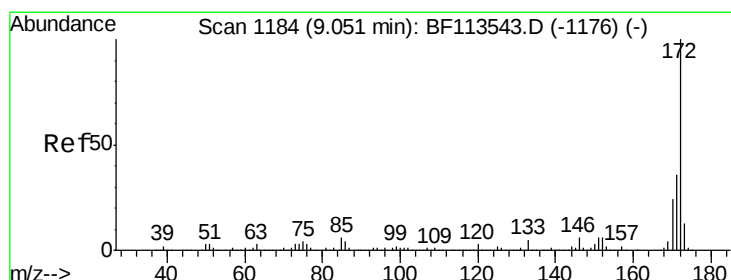
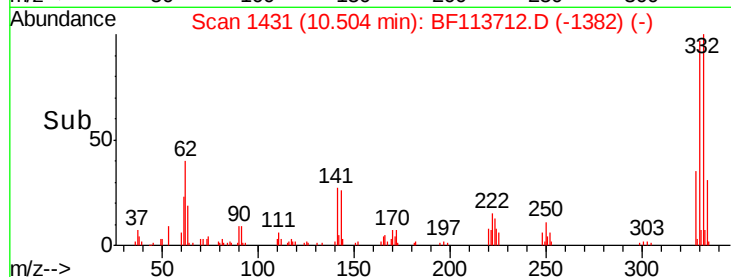
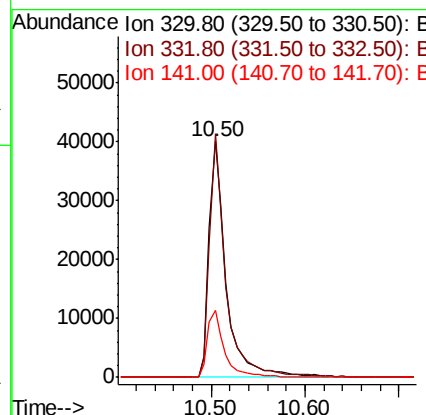
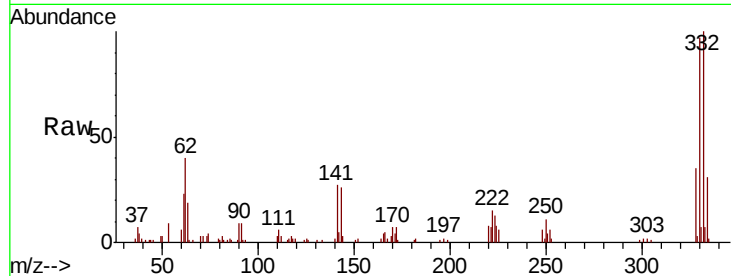
#42
 2,4,6-Tribromophenol
 Concen: 23.755 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF113712.D
 Acq: 10 Apr 2019 22:51

Instrument :
 BNA_F
 ClientSampled :
 TP-11-D

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.5	77.8	116.6
141	28.2	22.7	34.1

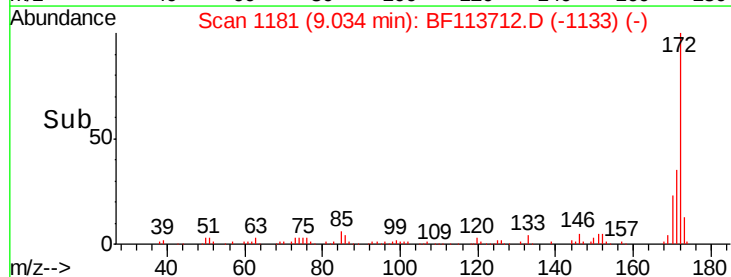
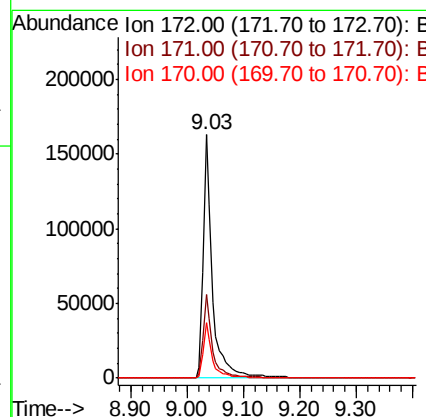
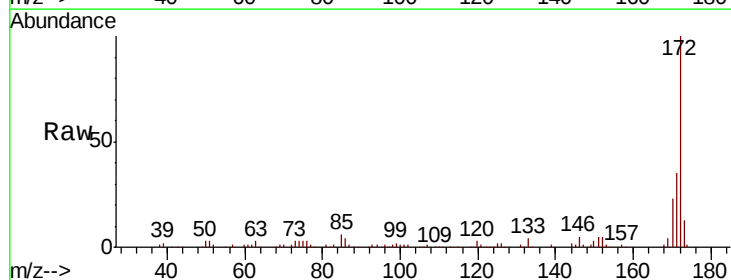
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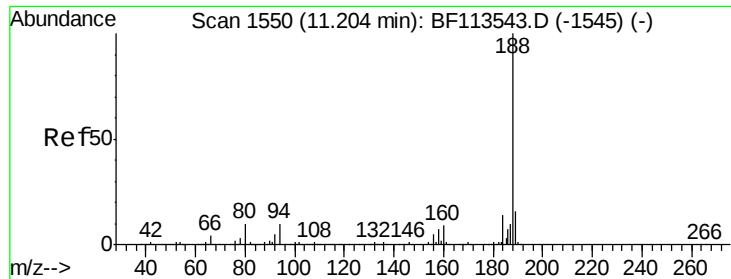
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#45
 2-Fluorobiphenyl
 Concen: 16.868 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF113712.D
 Acq: 10 Apr 2019 22:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.0	43.6
170	22.6	19.5	29.3





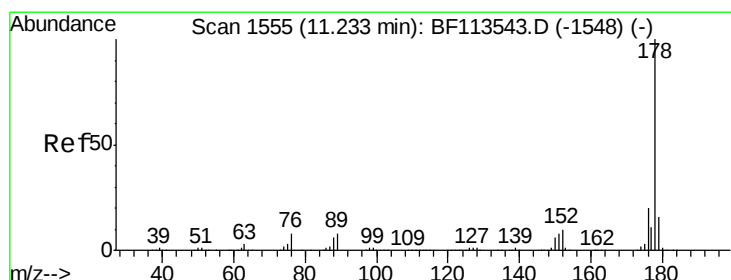
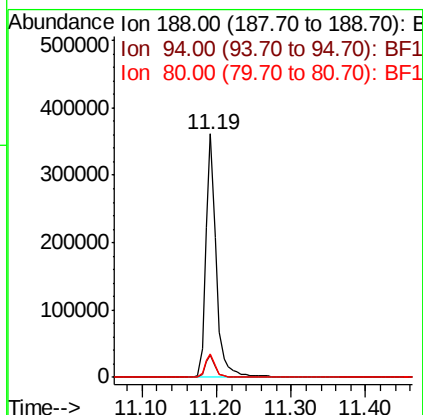
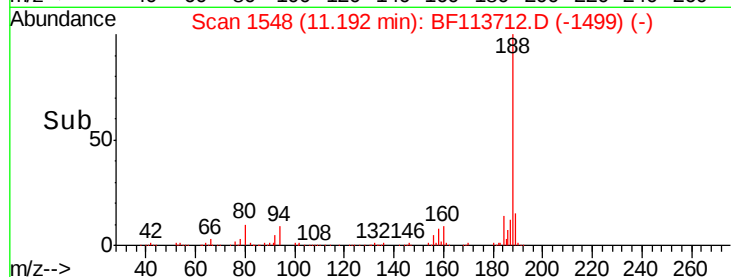
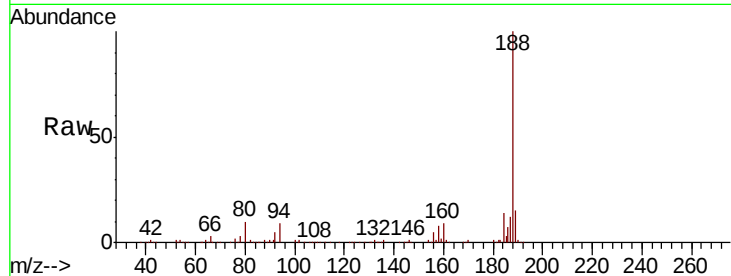
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

Instrument :
BNA_F
ClientSampled :
TP-11-D

Tot Ion	Ratio	Resp	Lower	Upper
188	100	351360		
94	8.9		7.0	10.6
80	9.5		7.7	11.5

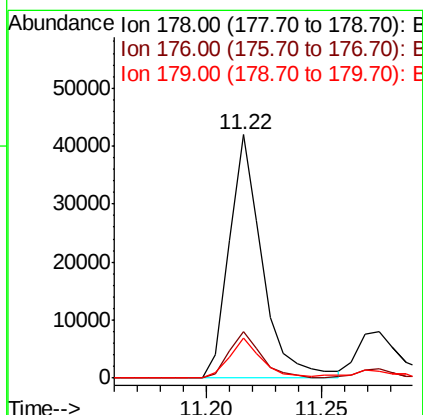
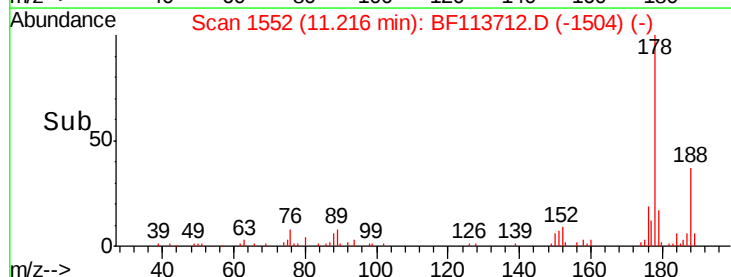
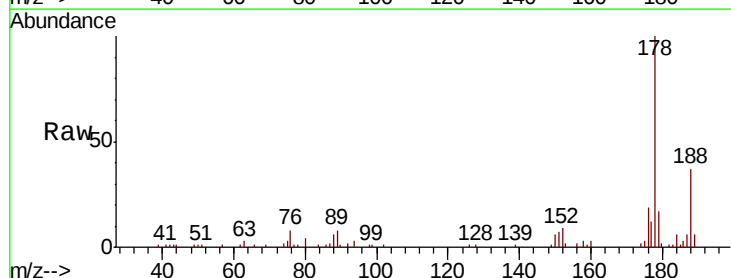
Manual Integrations
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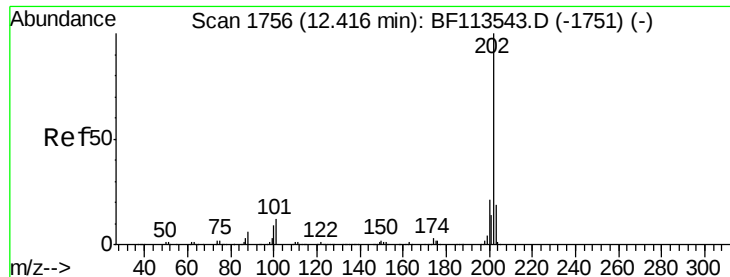
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#71
Phenanthrene
Concen: 2.388 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.02 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	41689		
176	19.3		16.2	24.2
179	16.6		12.7	19.1





#75

Fluoranthene

Concen: 7.911 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113712.D

Acq: 10 Apr 2019 22:51

Instrument :

BNA_F

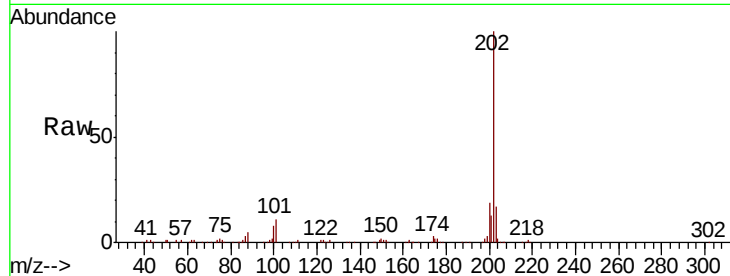
ClientSampleId :

TP-11-D

Tot Ion:202	Resp:	148011
Ion Ratio	Lower	Upper
202	100	
101	10.6	0.0 31.4
203	16.9	0.0 38.0

Manual Integrations
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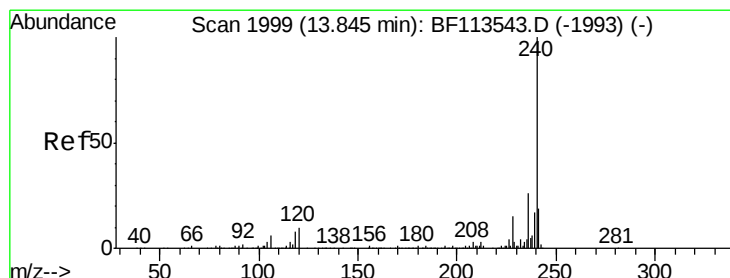
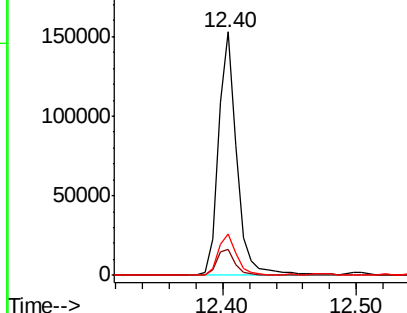
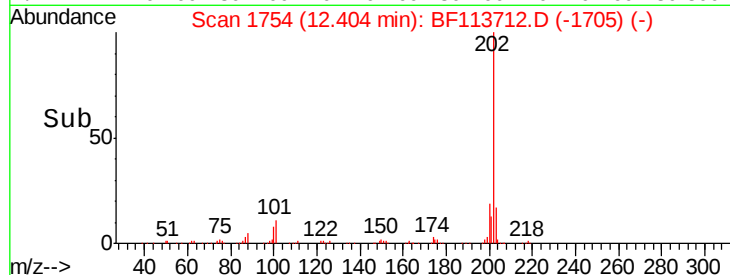


Abundance

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

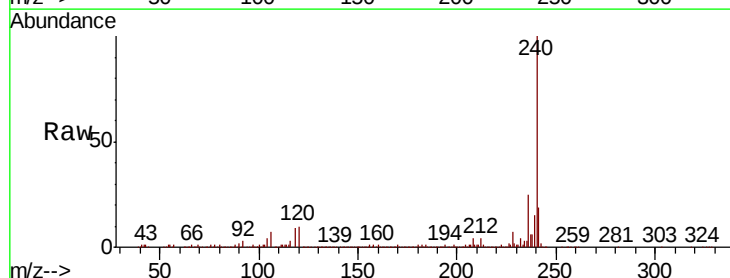
RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF113712.D

Acq: 10 Apr 2019 22:51

Tgt Ion:240	Resp:	343392
Ion Ratio	Lower	Upper
240	100	
120	9.7	8.8 13.2
236	25.5	20.9 31.3

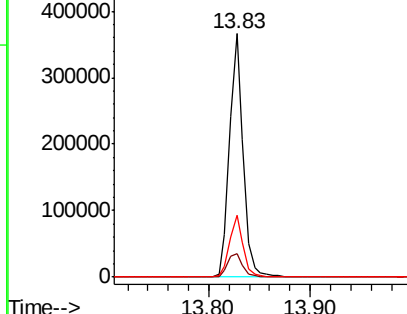
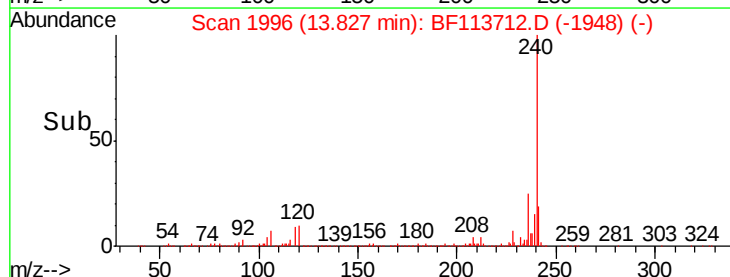


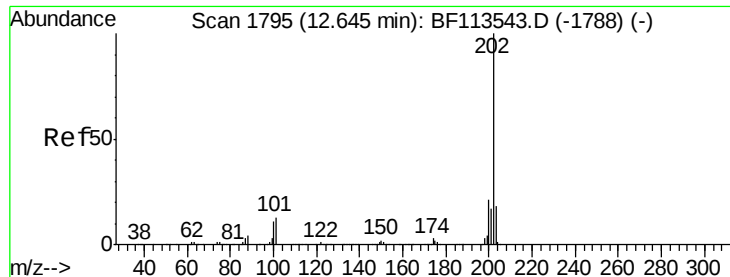
Abundance

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





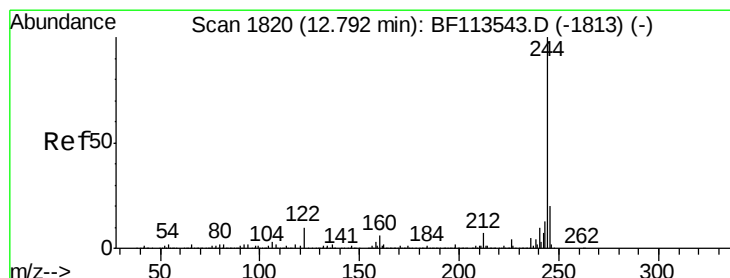
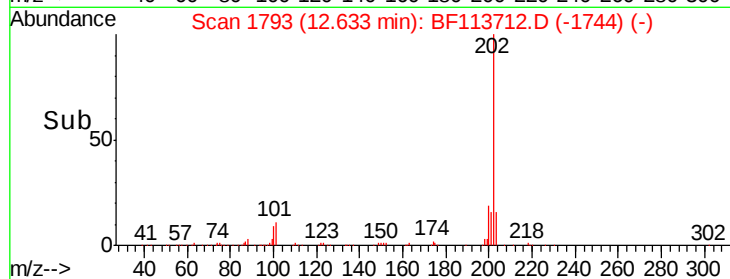
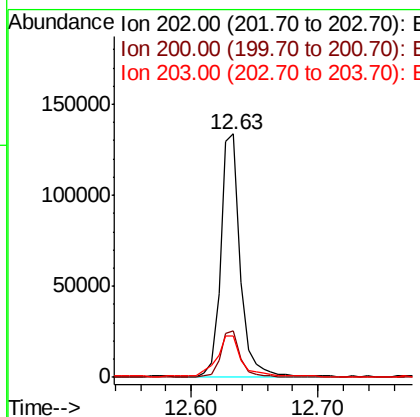
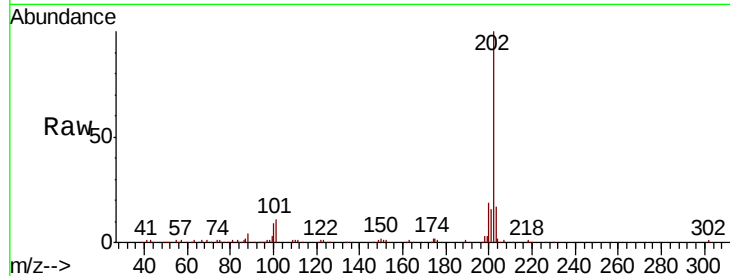
#78
Pvrene
Concen: 5.466 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

Instrument :
BNA_F
ClientSampleId :
TP-11-D

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.3	16.8	25.2
203	16.8	14.4	21.6

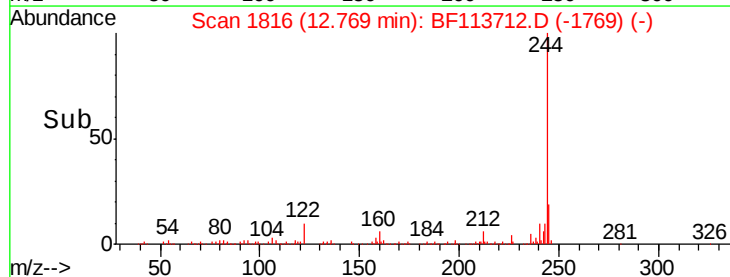
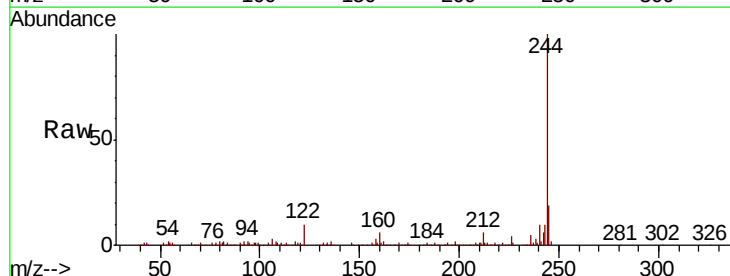
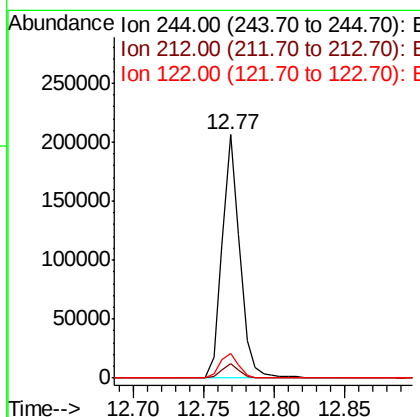
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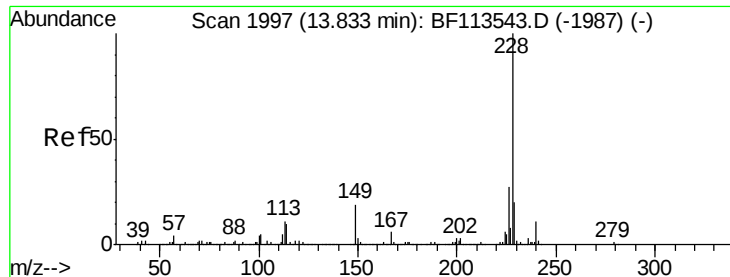
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#79
Terphenyl-d14
Concen: 10.712 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	5.9	5.5	8.3
122	10.1	8.6	13.0





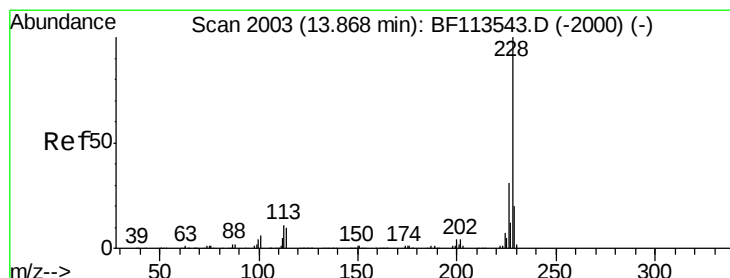
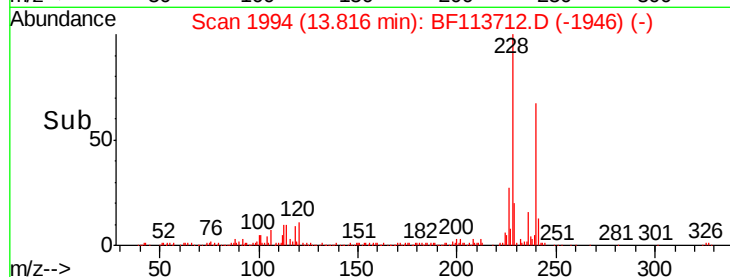
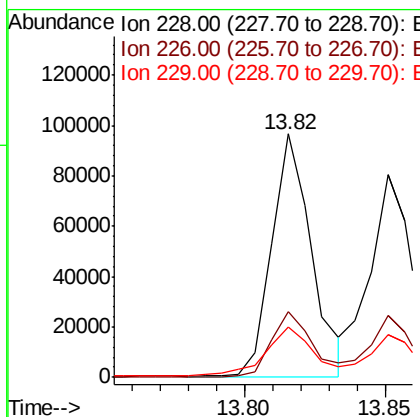
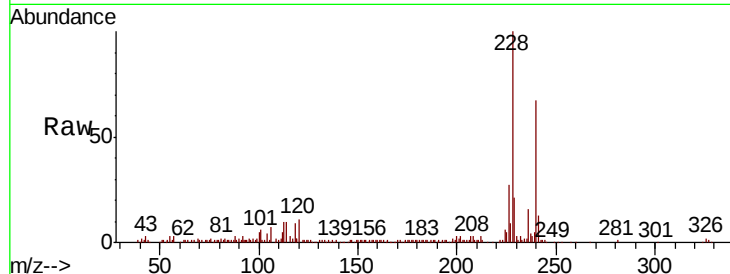
#81
Benzo(a)anthracene
Concen: 4.758 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.02 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

Instrument :
BNA_F
ClientSampleId :
TP-11-D

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	20.6	16.2	24.4

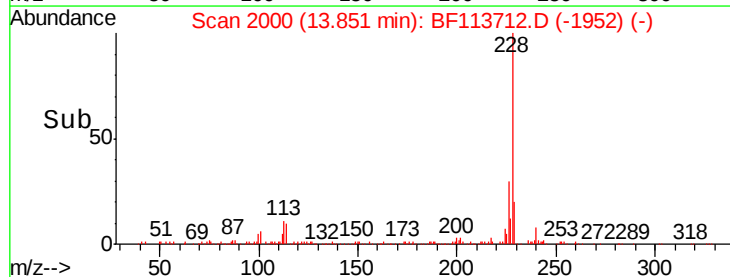
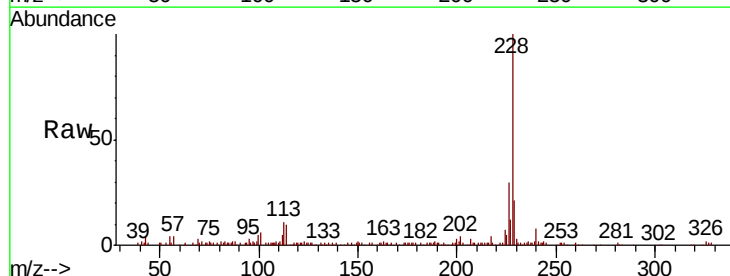
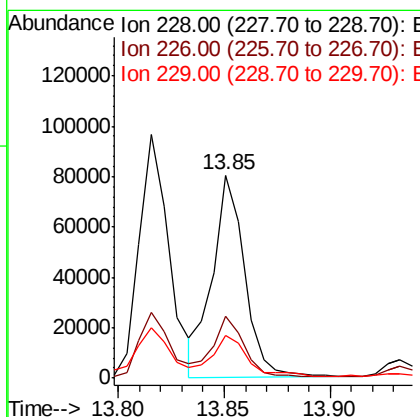
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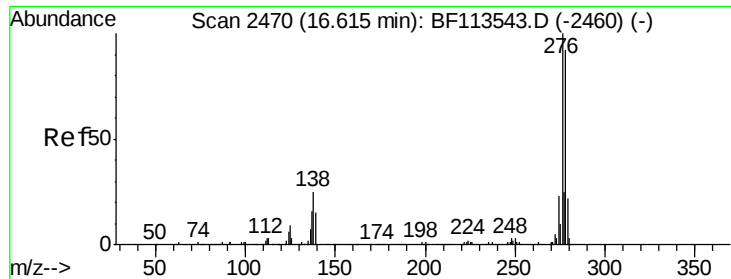
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#83
Chrysene
Concen: 4.270 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.3	36.5
229	20.8	16.3	24.5





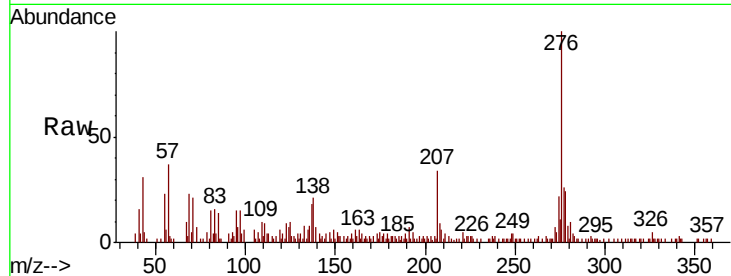
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.182 ng
 RT: 16.60 min Scan# 2468
 Delta R.T. -0.01 min
 Lab File: BF113712.D
 Acq: 10 Apr 2019 22:51

Instrument :
 BNA_F
 ClientSampled :
 TP-11-D

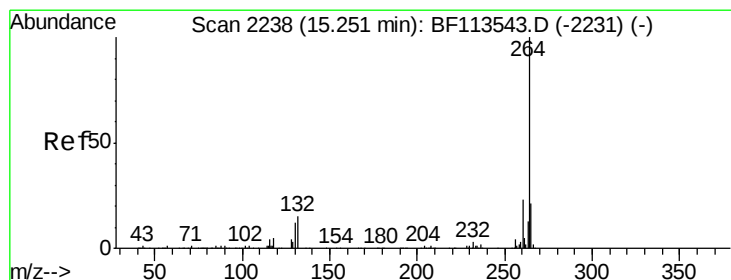
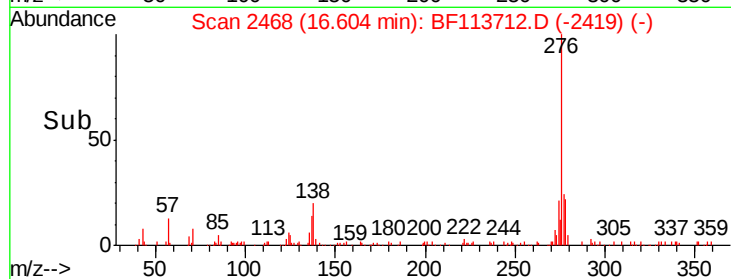
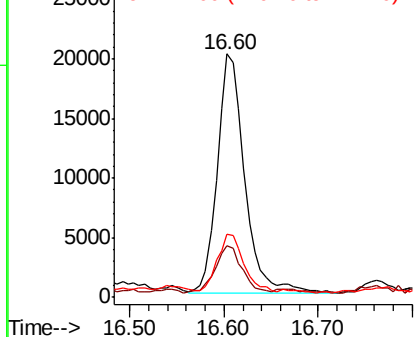
Tot Ion:	276	Resp:	40459
Ion Ratio	Lower	Upper	
276	100		
138	18.7	18.1	27.1
277	22.6	20.2	30.4

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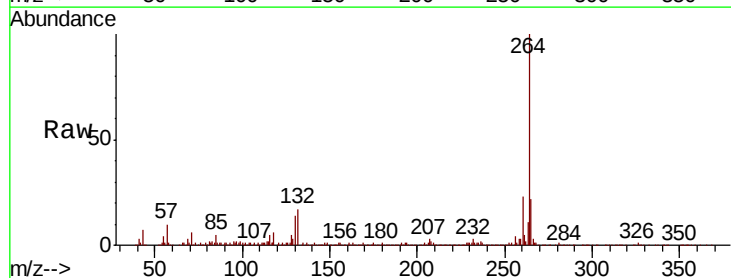


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

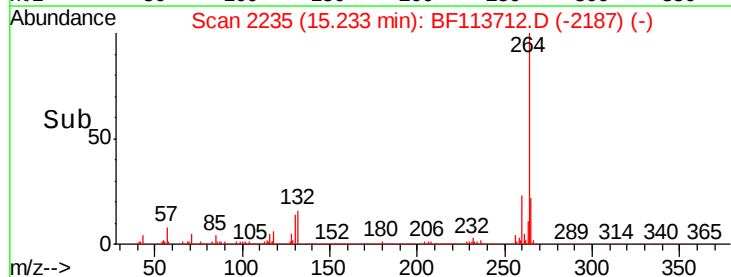
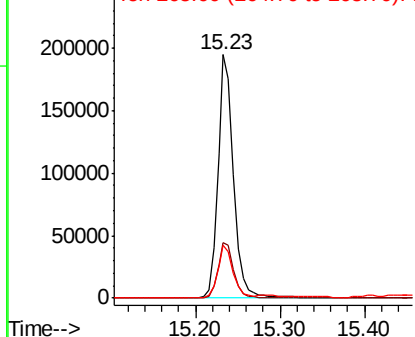


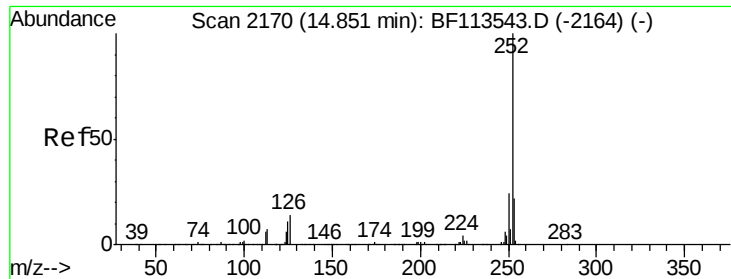
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2235
 Delta R.T. -0.02 min
 Lab File: BF113712.D
 Acq: 10 Apr 2019 22:51

Tgt Ion:	264	Resp:	249585
Ion Ratio	Lower	Upper	
264	100		
260	23.0	19.1	28.7
265	22.0	17.1	25.7



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





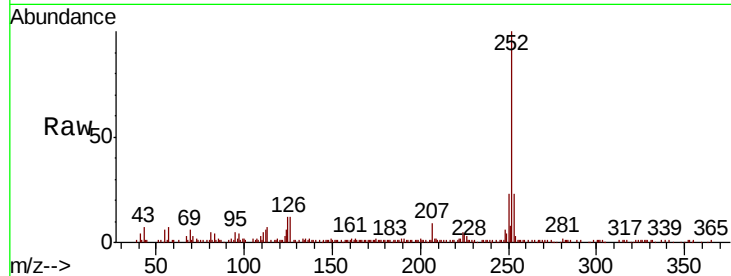
#88
Benzo(b)fluoranthene
Concen: 6.191 ng m
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

Instrument :
BNA_F
ClientSampleId :
TP-11-D

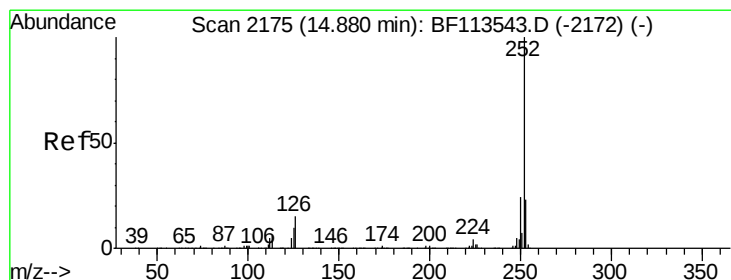
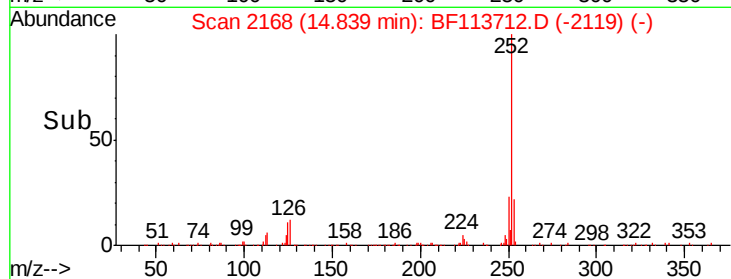
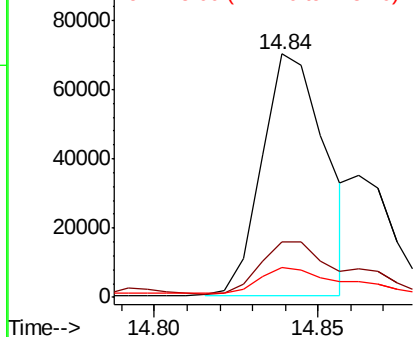
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	12.4	7.6	11.4

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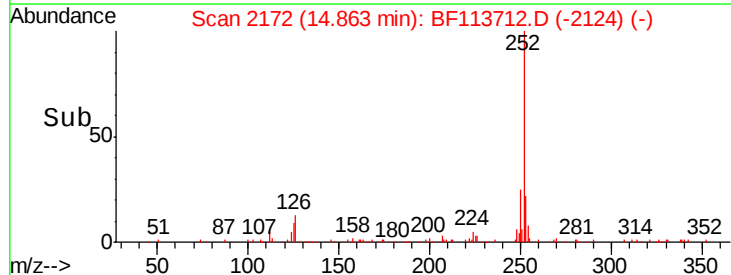
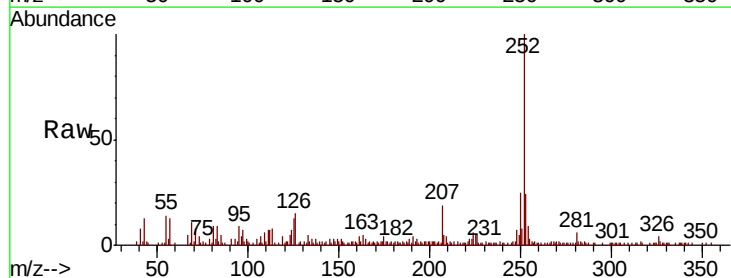
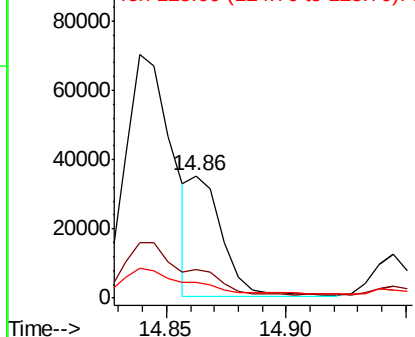
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

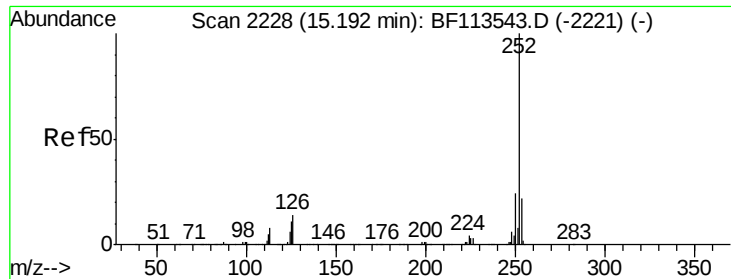


#89
Benzo(k)fluoranthene
Concen: 2.376 ng m
RT: 14.86 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.7	26.5
125	12.6	7.3	10.9

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





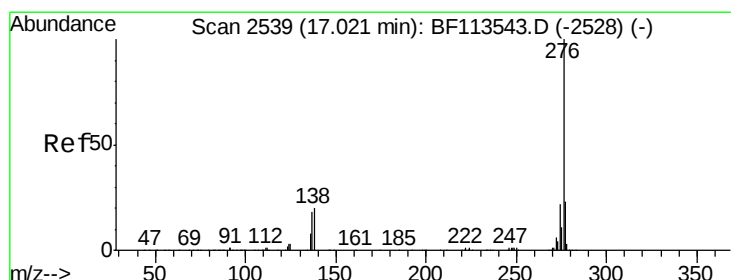
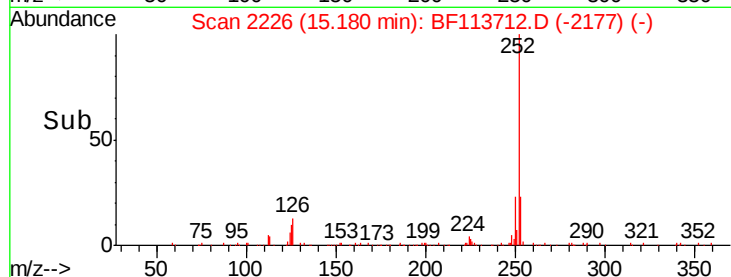
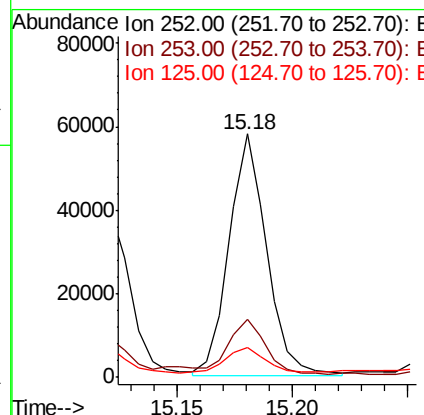
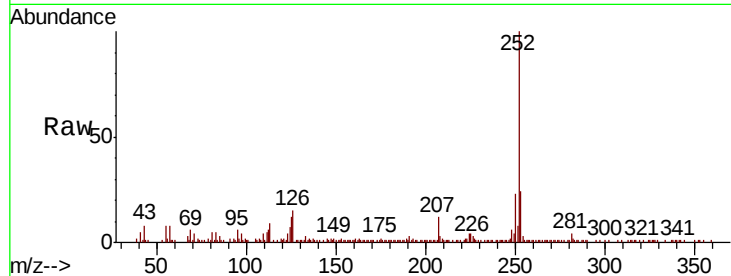
#90
Benzo(a)pyrene
Concen: 4.834 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

Instrument :
BNA_F
ClientSampleId :
TP-11-D

Tot Ion:	252	Resp:	65622
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.9	26.9
125	12.1	8.8	13.2

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#92
Benzo(g,h,i)perylene
Concen: 3.189 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BF113712.D
Acq: 10 Apr 2019 22:51

Tgt Ion:	276	Resp:	41324
Ion Ratio	Lower	Upper	
276	100		
277	25.9	18.8	28.2
138	25.4	15.6	23.4#

