

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
 Data File : BF113763.D
 Acq On : 15 Apr 2019 15:12
 Operator : JU/SJ
 Sample : K2407-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-11-S

Manual Integrations
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Sohil
 4/16/2019 5:02:52 PM

Quant Time: Apr 15 23:47:20 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	123215	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	457539	20.00	ng	-0.02
39) Acenaphthene-d10	9.70	164	214651	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	431803	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	293390	20.00	ng	-0.02
87) Perylene-d12	15.23	264	308923	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	679292	94.01	ng	-0.01
7) Phenol-d6	6.33	99	912626	102.48	ng	-0.01
23) Nitrobenzene-d5	7.24	82	516759	66.16	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	223996	86.87	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	971780	72.88	ng	-0.02
79) Terphenyl-d14	12.77	244	1056584	73.32	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.43	163	97245	6.146	ng	Qvalue # 99
71) Phenanthrene	11.21	178	148890	6.939	ng	98
75) Fluoranthene	12.40	202	263116	11.444	ng	97
78) Pyrene	12.63	202	236500	10.594	ng	99
81) Benzo(a)anthracene	13.82	228	111188	6.570	ng	96
83) Chrysene	13.85	228	93986	5.478	ng	99
86) Indeno(1,2,3-cd)pyrene	16.61	276	82651	5.218	ng	94
88) Benzo(b)fluoranthene	14.84	252	131730m	6.966	ng	
89) Benzo(k)fluoranthene	14.87	252	51179m	3.016	ng	
90) Benzo(a)pyrene	15.18	252	104785	6.236	ng	99
92) Benzo(g,h,i)perylene	17.02	276	87212	5.438	ng	96

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

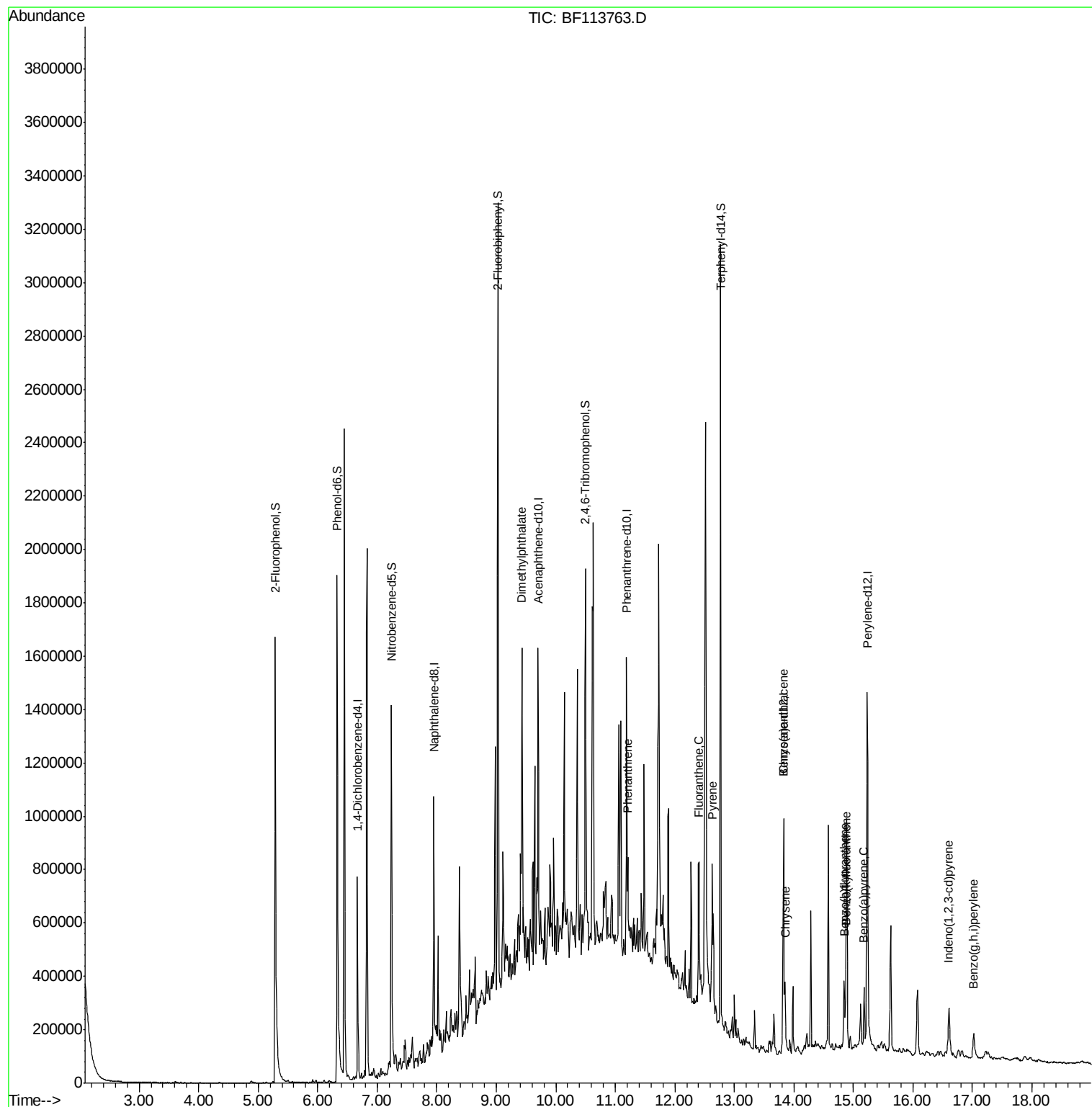
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113763.D
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#1

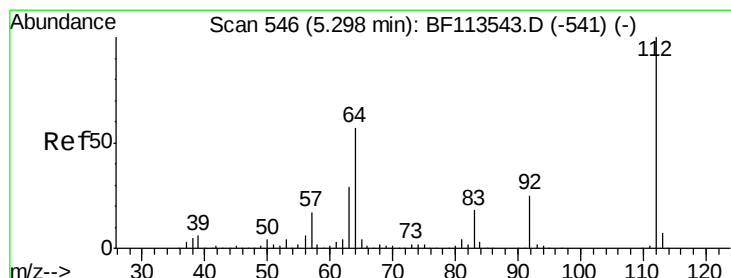
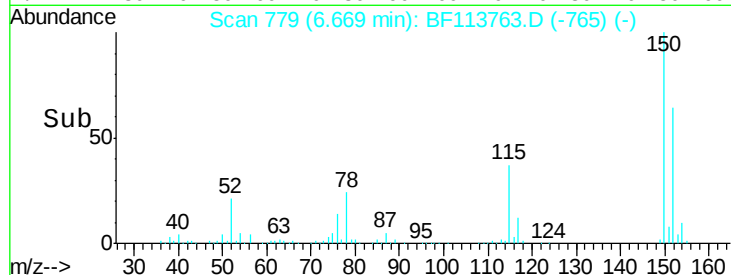
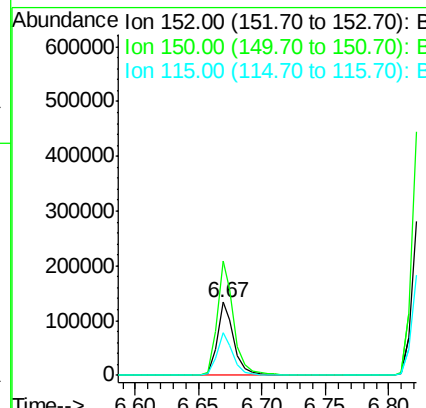
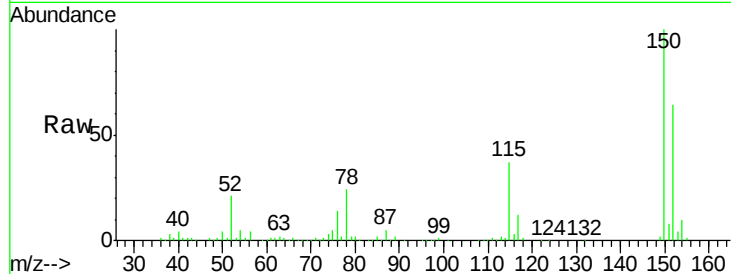
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.02 min
Lab File: BF113763.D
Acq: 15 Apr 2019 15:12

Instrument :
BNA_F
ClientSampled :
TP-11-S

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.7	187.1
115	58.6	46.0	69.0

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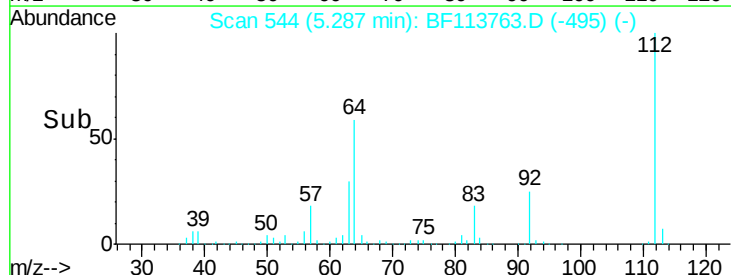
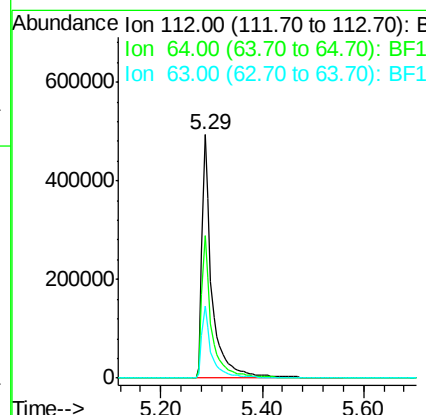
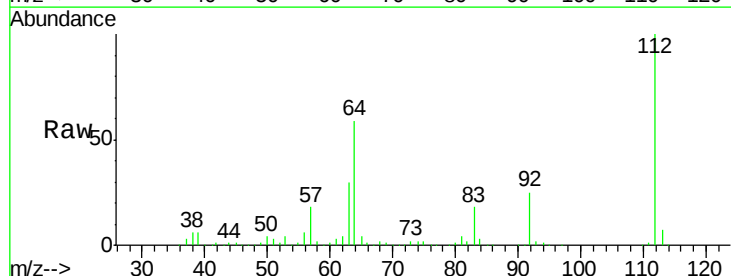
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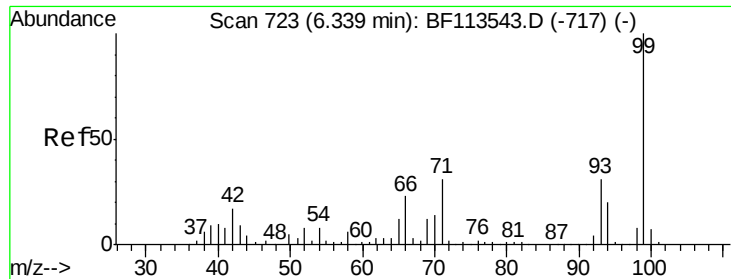


#5

2-Fluorophenol
Concen: 94.010 ng
RT: 5.29 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF113763.D
Acq: 15 Apr 2019 15:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	49.2	73.8
63	29.8	24.9	37.3





#7

Phenol-d6

Concen: 102.476 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113763.D

Acq: 15 Apr 2019 15:12

Instrument :

BNA_F

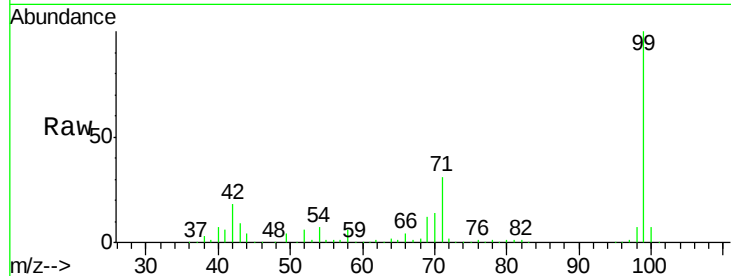
ClientSampleId :

TP-11-S

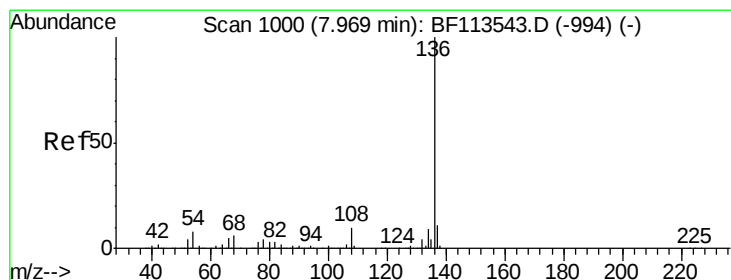
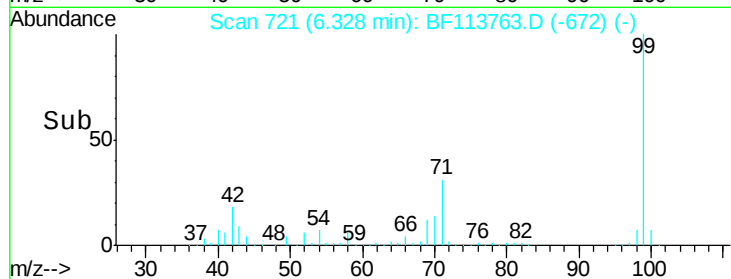
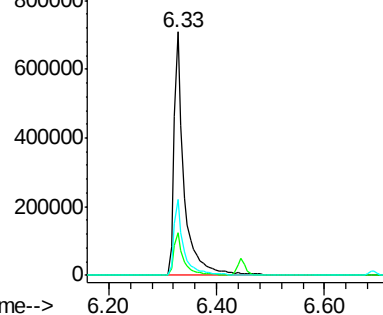
Tgt Ion:	99	Resp:	912626
Ion Ratio	Lower	Upper	
99	100		
42	17.7	14.8	22.2
71	31.4	24.9	37.3

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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: 7.95 min Scan# 997

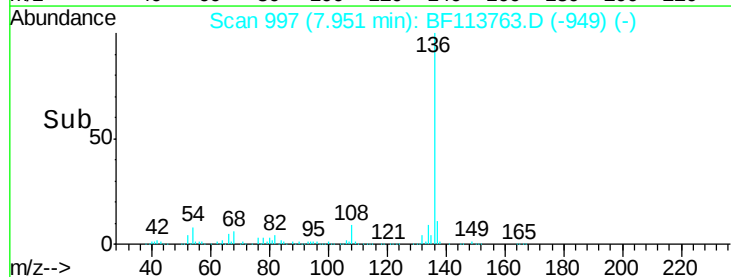
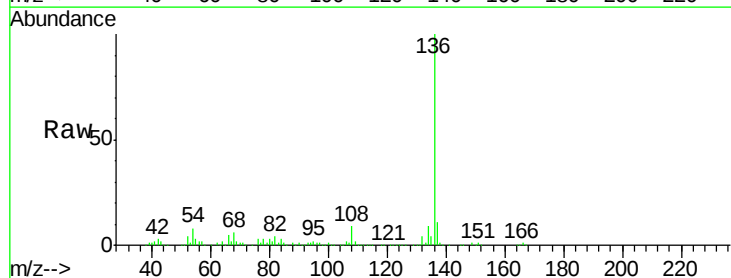
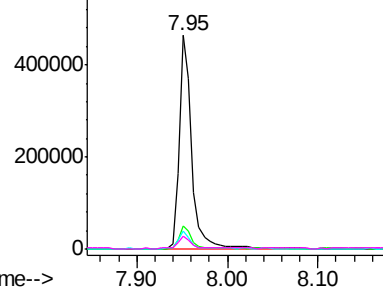
Delta R.T. -0.02 min

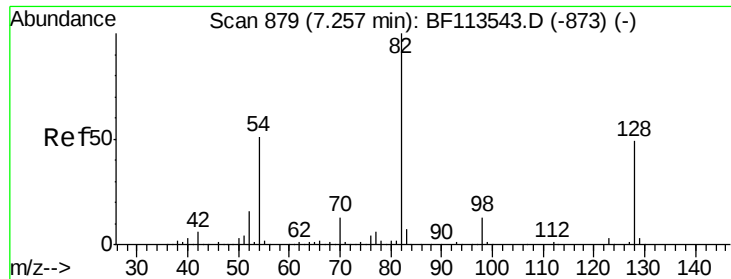
Lab File: BF113763.D

Acq: 15 Apr 2019 15:12

Tgt Ion:	136	Resp:	457539
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.5	7.0	10.6
68	6.1	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





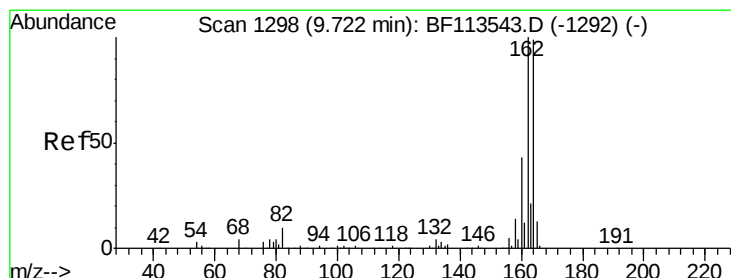
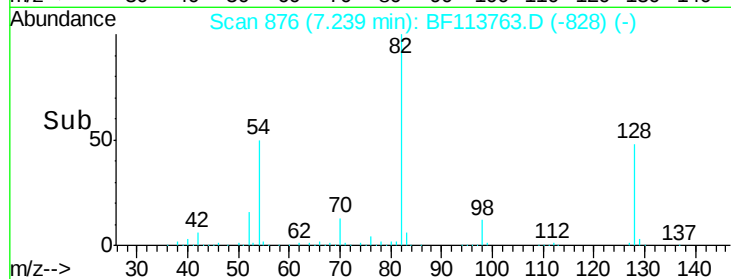
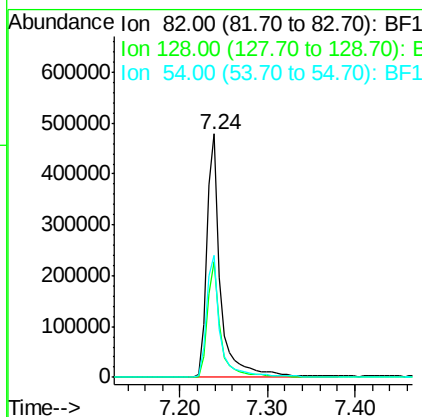
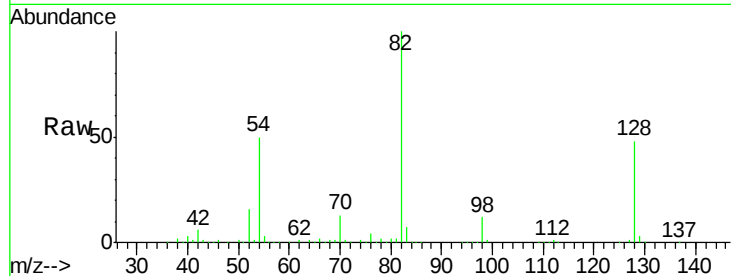
#23
Nitrobenzene-d5
Concen: 66.157 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.02 min
Lab File: BF113763.D
Acq: 15 Apr 2019 15:12

Instrument :
BNA_F
ClientSampleId :
TP-11-S

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.7	36.5	54.7
54	50.3	42.2	63.2

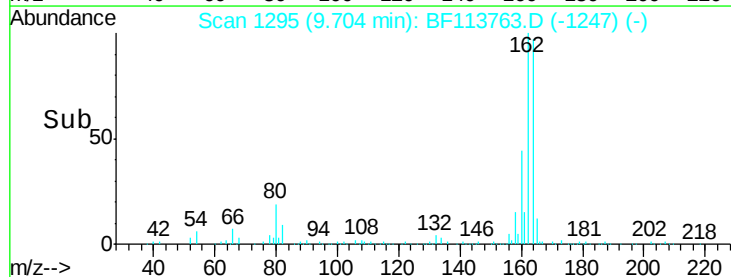
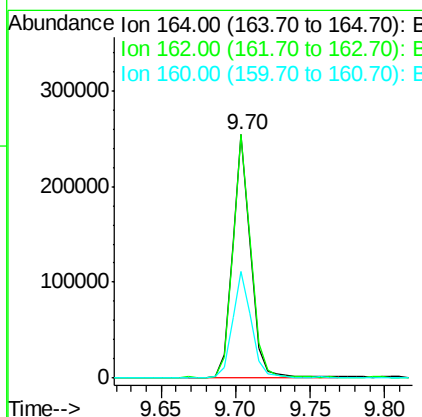
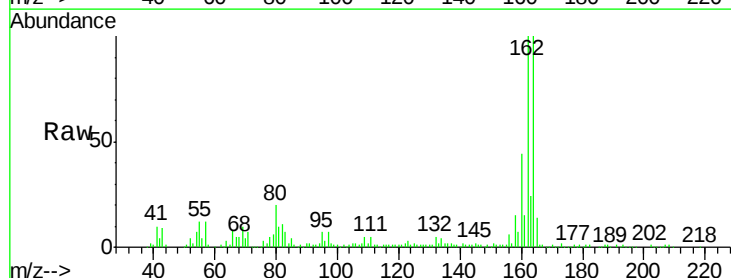
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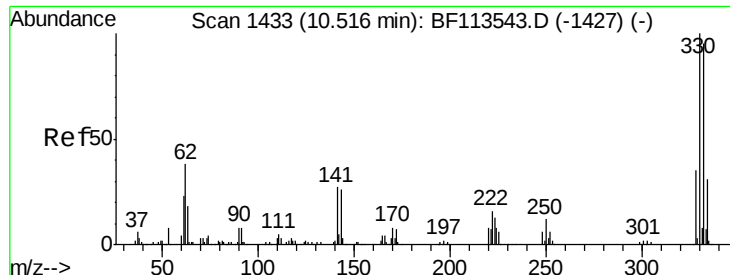
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BF113763.D
Acq: 15 Apr 2019 15:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.8	122.6
160	44.1	36.4	54.6





#42

2,4,6-Tribromophenol

Concen: 86.871 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF113763.D

Acq: 15 Apr 2019 15:12

Instrument :

BNA_F

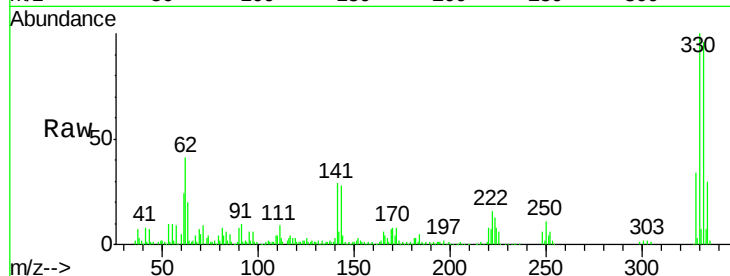
ClientSampled :

TP-11-S

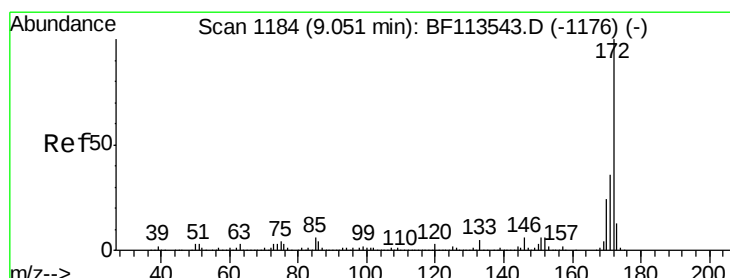
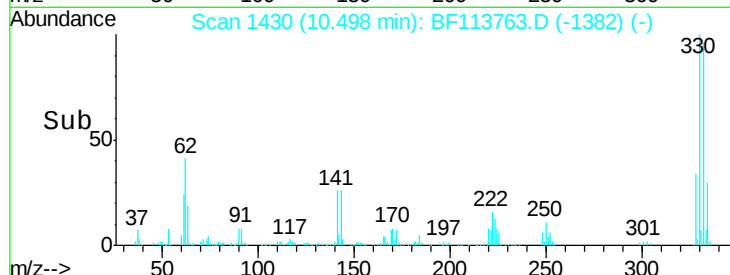
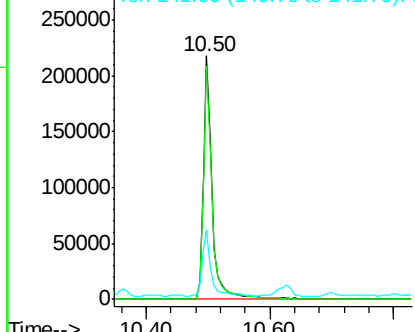
Tgt Ion:	330	Resp:	223996
Ion Ratio	Lower	Upper	
330	100		
332	94.9	77.8	116.6
141	27.5	22.7	34.1

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 72.884 ng

RT: 9.03 min Scan# 1180

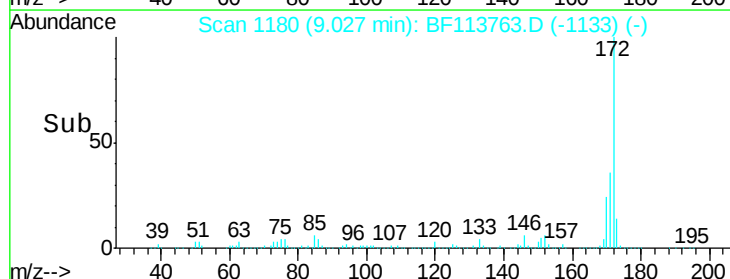
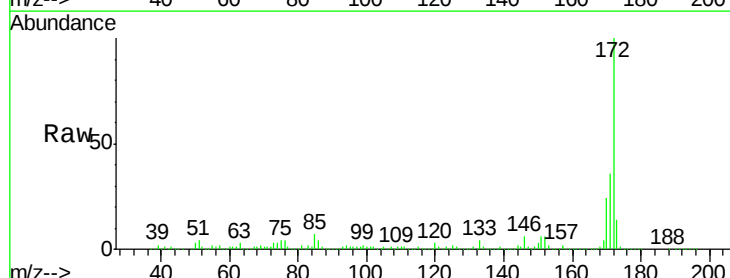
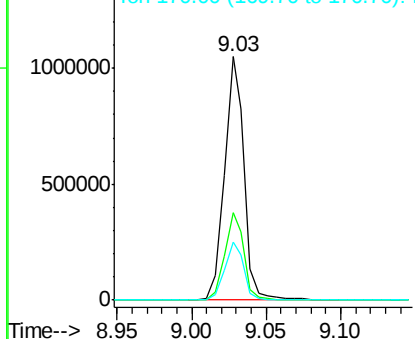
Delta R.T. -0.02 min

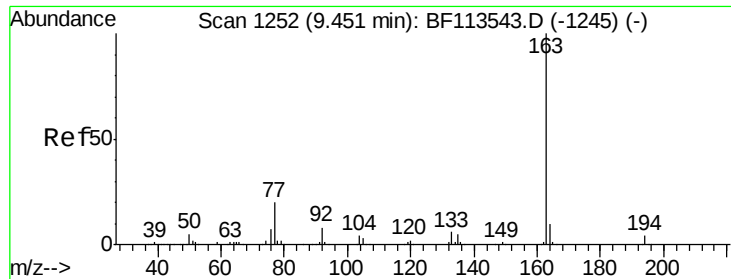
Lab File: BF113763.D

Acq: 15 Apr 2019 15:12

Tgt Ion:	172	Resp:	971780
Ion Ratio	Lower	Upper	
172	100		
171	36.2	29.0	43.6
170	24.0	19.5	29.3

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





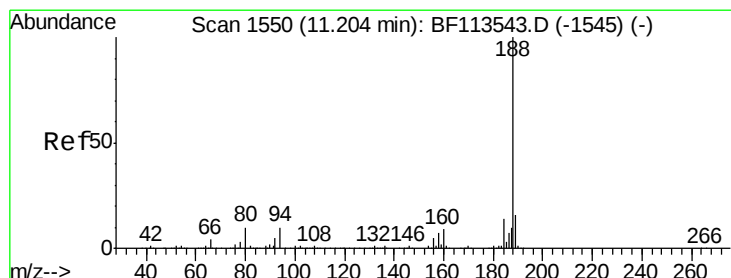
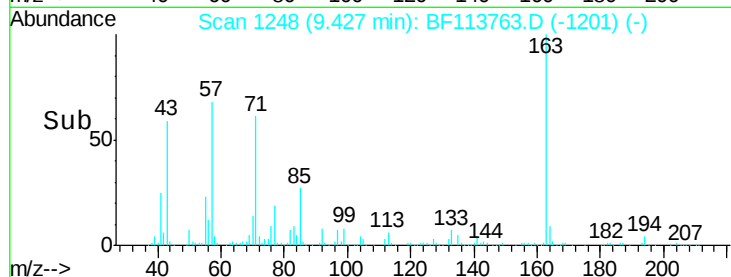
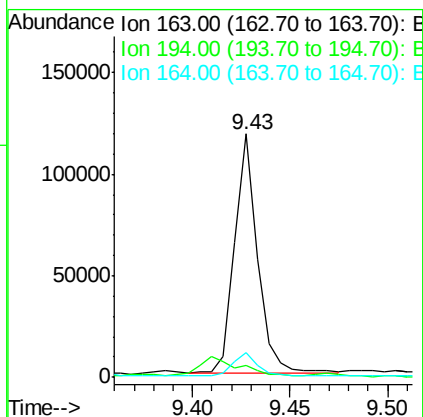
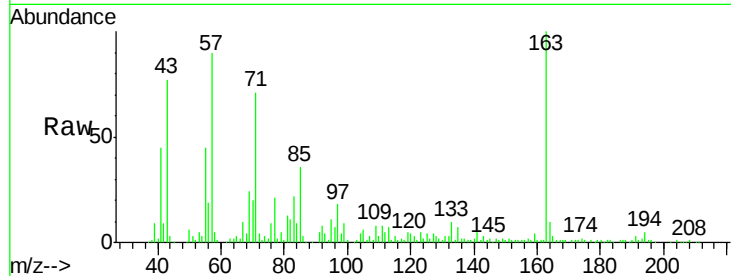
#50
Dimethylphthalate
Concen: 6.146 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BF113763.D
Acq: 15 Apr 2019 15:12

Instrument :
BNA_F
ClientSampleId :
TP-11-S

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.0	4.6#
164	10.1	8.1	12.1

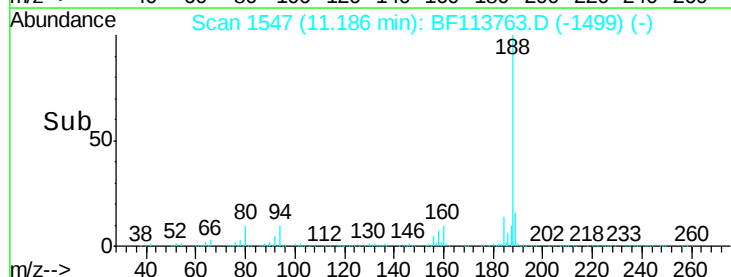
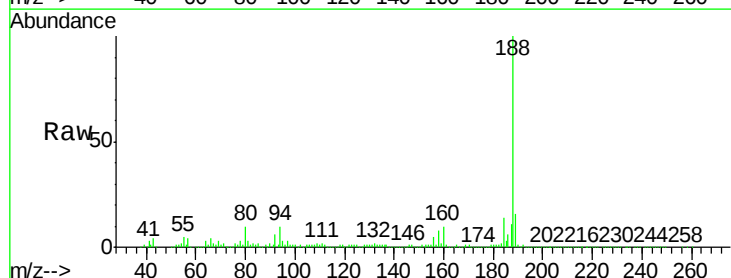
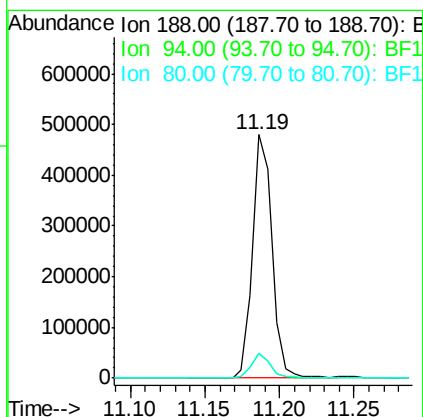
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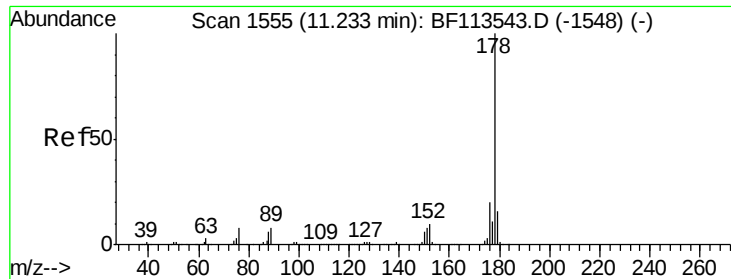
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF113763.D
Acq: 15 Apr 2019 15:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.0	10.6
80	10.1	7.7	11.5





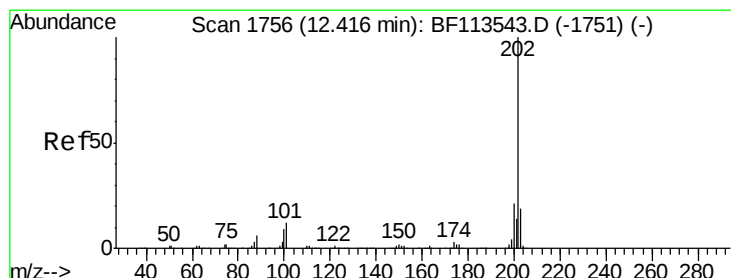
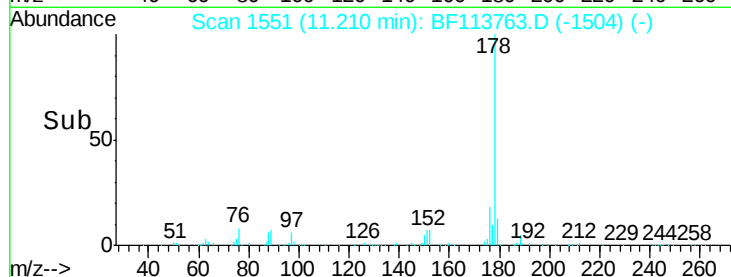
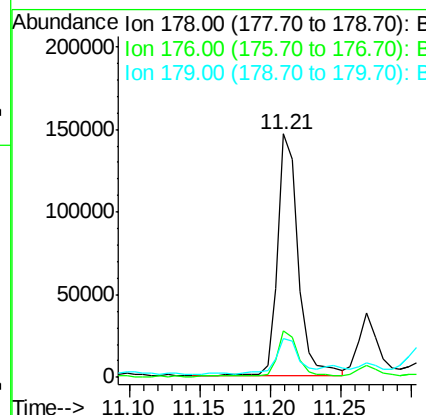
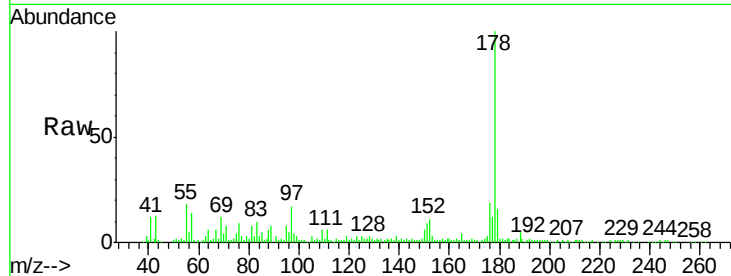
#71
Phenanthrene
Concen: 6.939 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF113763.D
Acq: 15 Apr 2019 15:12

Instrument :
BNA_F
ClientSampleId :
TP-11-S

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.2
179	16.1	12.7	19.1

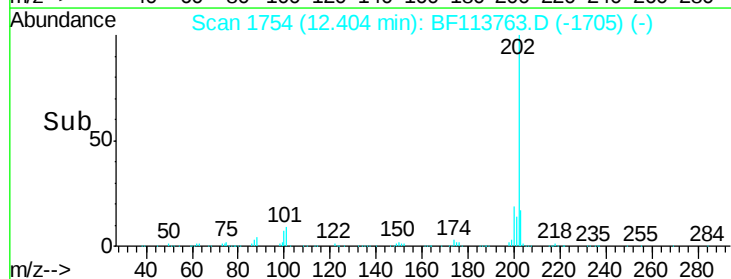
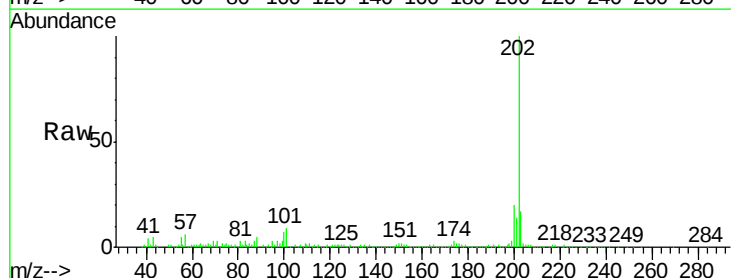
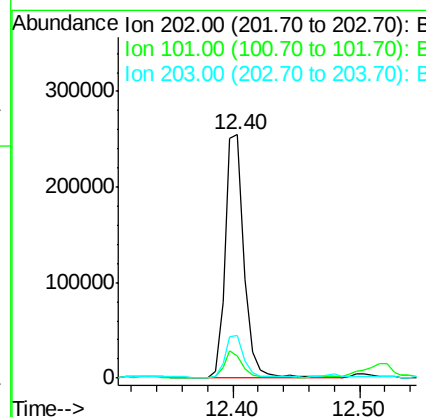
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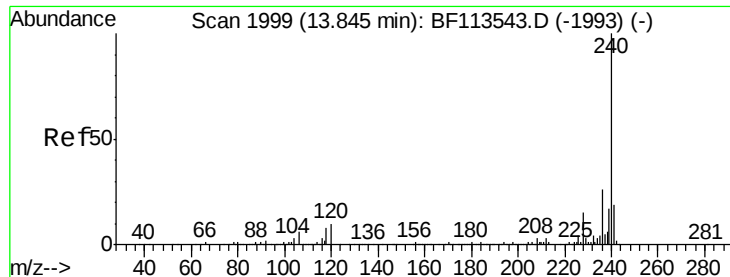
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#75
Fluoranthene
Concen: 11.444 ng
RT: 12.40 min Scan# 1754
Delta R.T. -0.01 min
Lab File: BF113763.D
Acq: 15 Apr 2019 15:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	31.4
203	17.5	0.0	38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF113763.D

Acq: 15 Apr 2019 15:12

Instrument :

BNA_F

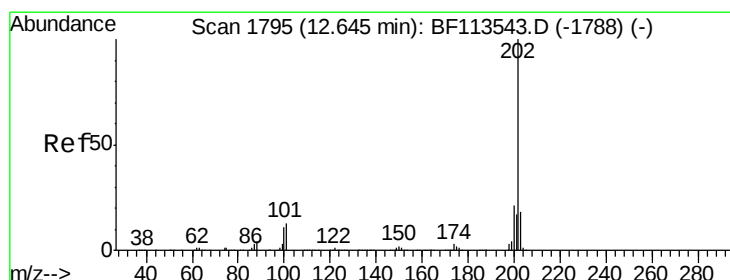
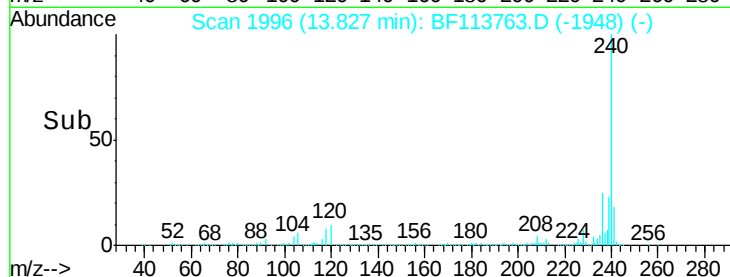
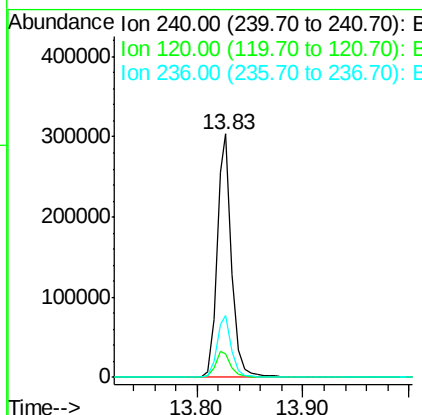
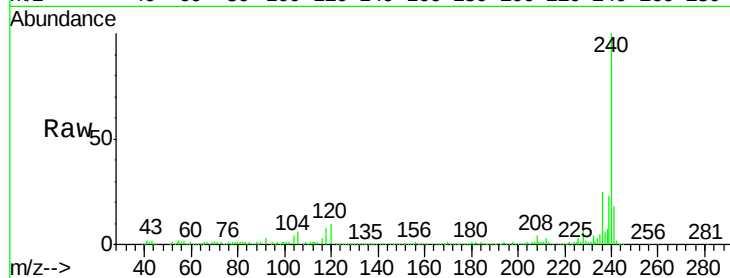
ClientSampleId :

TP-11-S

Tgt Ion:	240	Resp:	293390
Ion Ratio	Lower	Upper	
240	100		
120	9.6	8.8	13.2
236	25.4	20.9	31.3

Manual Integrations
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#78

Pyrene

Concen: 10.594 ng

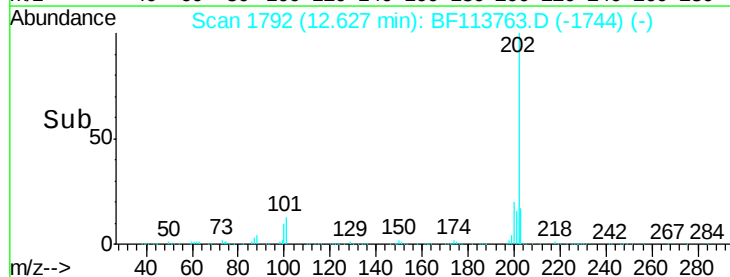
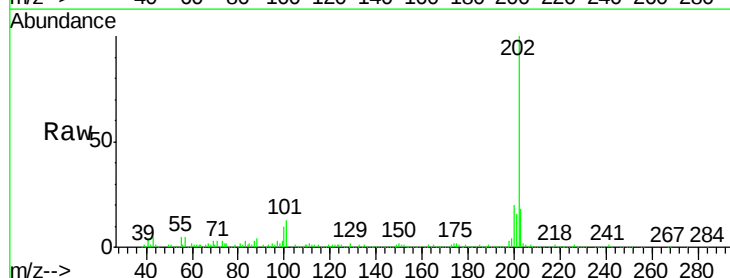
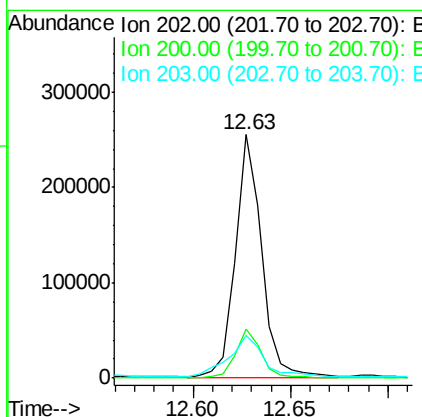
RT: 12.63 min Scan# 1792

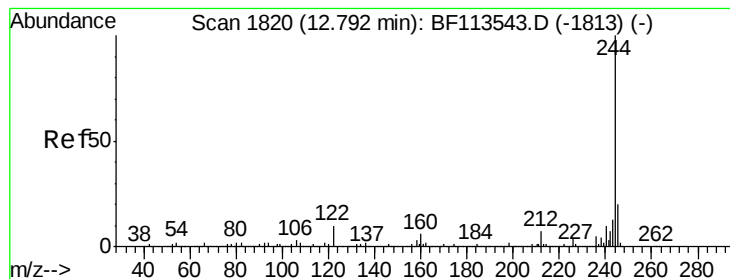
Delta R.T. -0.02 min

Lab File: BF113763.D

Acq: 15 Apr 2019 15:12

Tgt Ion:	202	Resp:	236500
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.8	25.2
203	17.7	14.4	21.6





#79

Terphenyl-d14

Concen: 73.323 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113763.D

Acq: 15 Apr 2019 15:12

Instrument :

BNA_F

ClientSampled :

TP-11-S

Tgt Ion:244 Resp: 1056584

Ion Ratio Lower Upper

244 100

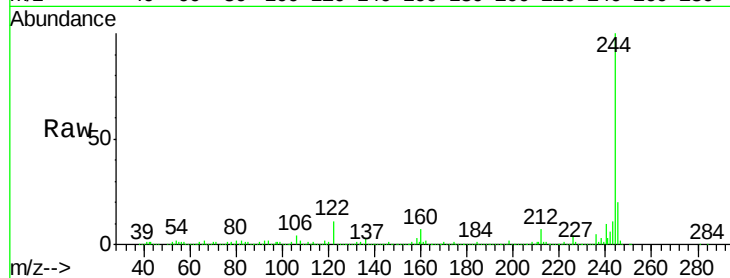
212 6.6 5.5 8.3

122 11.0 8.6 13.0

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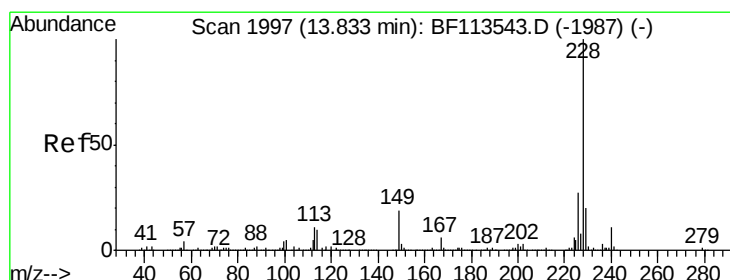
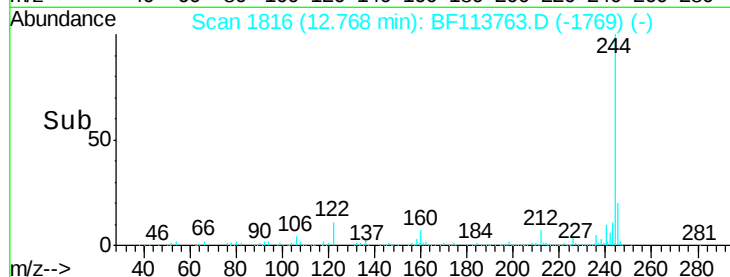
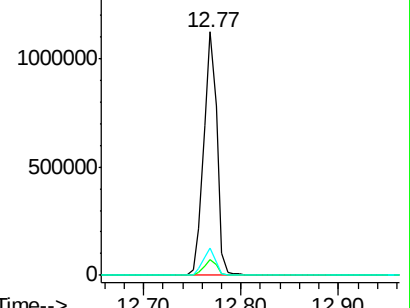
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Abundance Ion 244.00 (243.70 to 244.70): E

1500000 Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 6.570 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BF113763.D

Acq: 15 Apr 2019 15:12

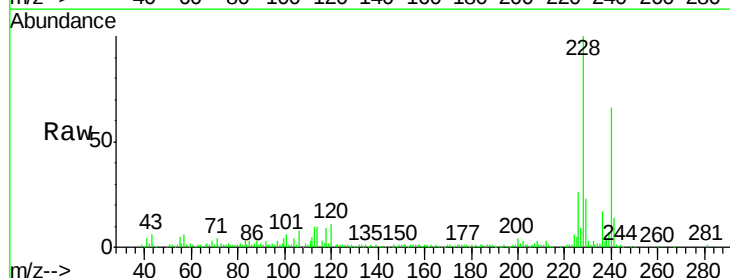
Tgt Ion:228 Resp: 111188

Ion Ratio Lower Upper

228 100

226 25.9 21.8 32.8

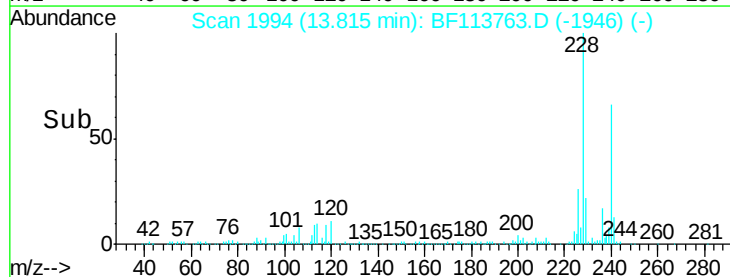
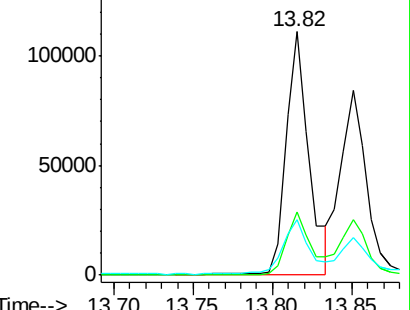
229 22.8 16.2 24.4

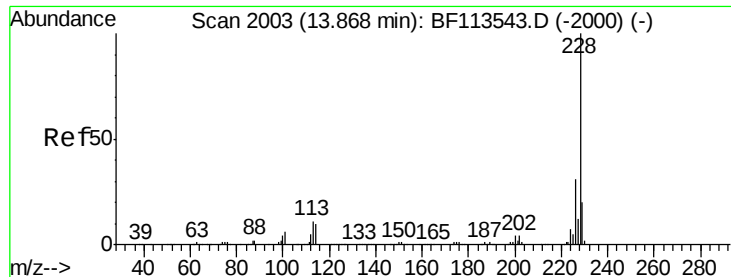


Abundance Ion 228.00 (227.70 to 228.70): E

150000 Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





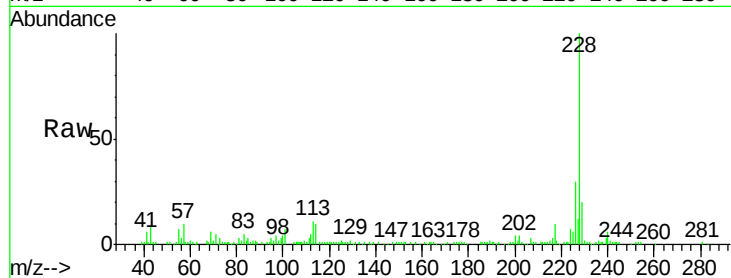
#83
Chrysene
Concen: 5.478 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BF113763.D
Acq: 15 Apr 2019 15:12

Instrument :
BNA_F
ClientSampleId :
TP-11-S

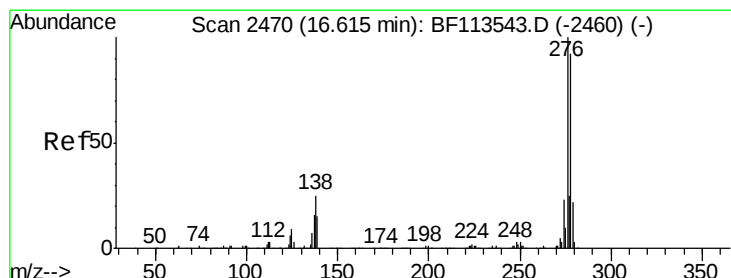
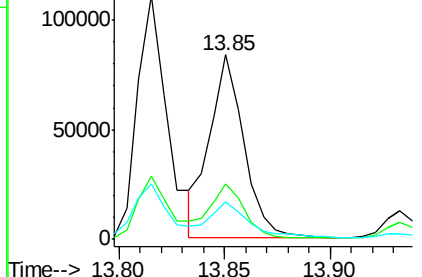
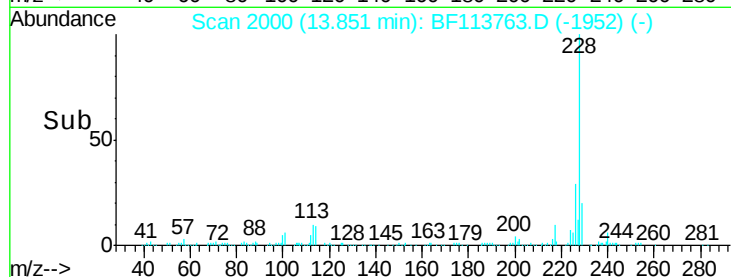
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.3	36.5
229	20.5	16.3	24.5

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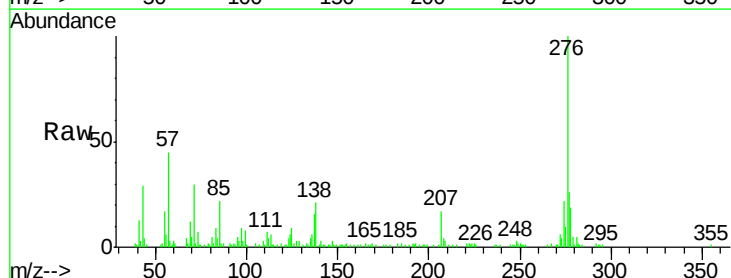


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

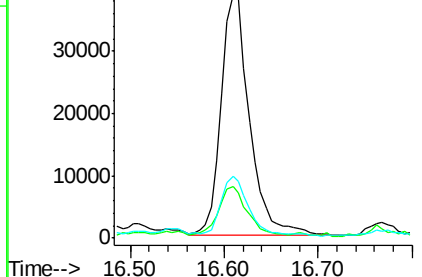
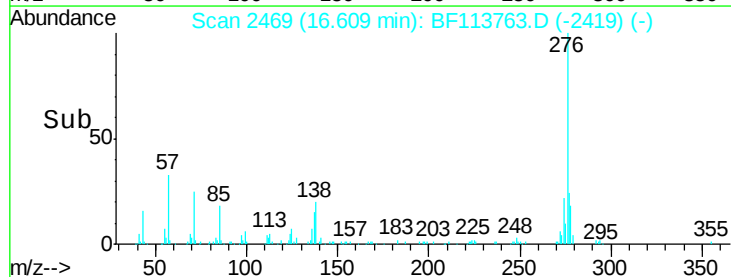


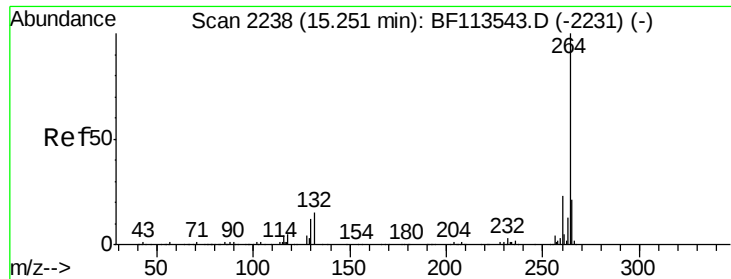
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.218 ng
RT: 16.61 min Scan# 2469
Delta R.T. -0.01 min
Lab File: BF113763.D
Acq: 15 Apr 2019 15:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.7	18.1	27.1
277	22.0	20.2	30.4



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: BF113763.D

Acq: 15 Apr 2019 15:12

Instrument :

BNA_F

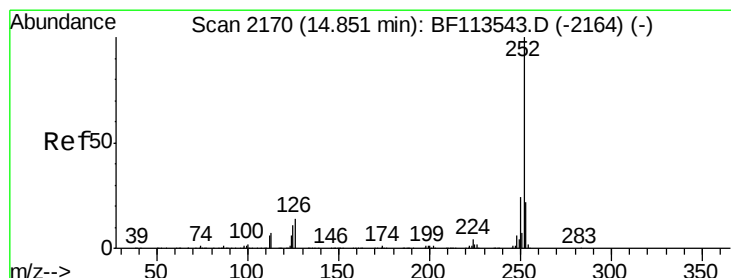
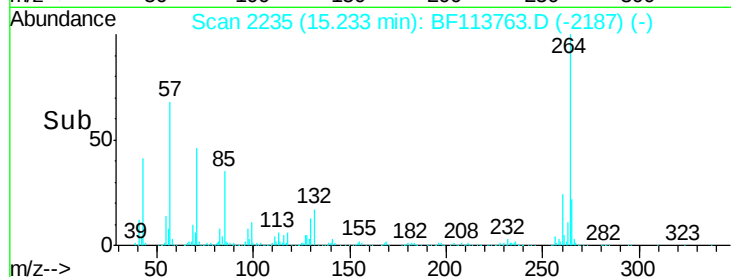
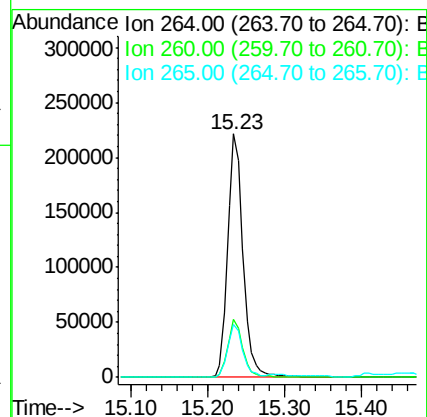
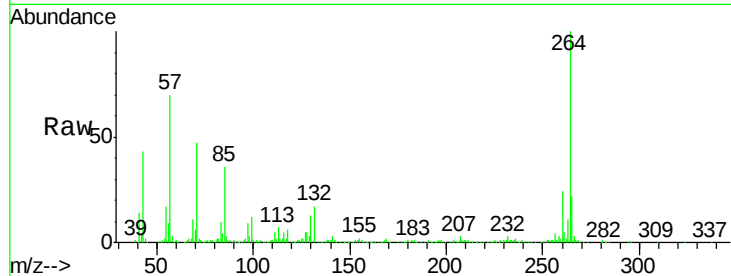
ClientSampleId :

TP-11-S

Tgt Ion:	264	Resp:	308923
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.1	28.7
265	21.8	17.1	25.7

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#88

Benzo(b)fluoranthene

Concen: 6.966 ng m

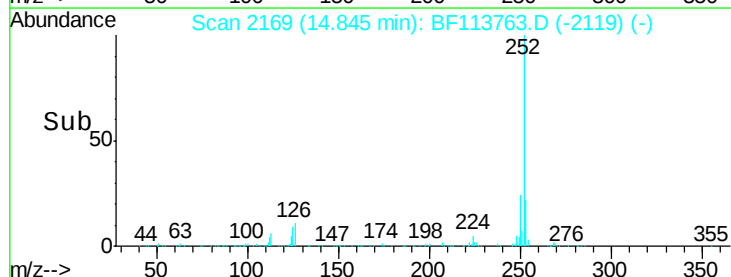
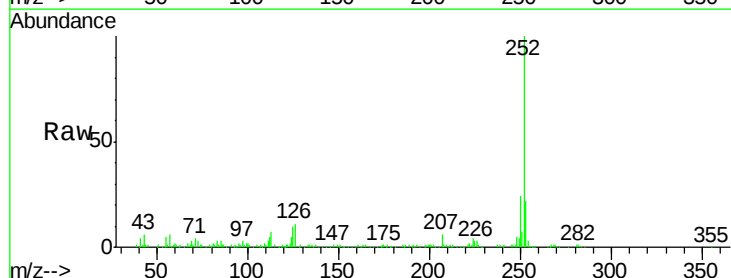
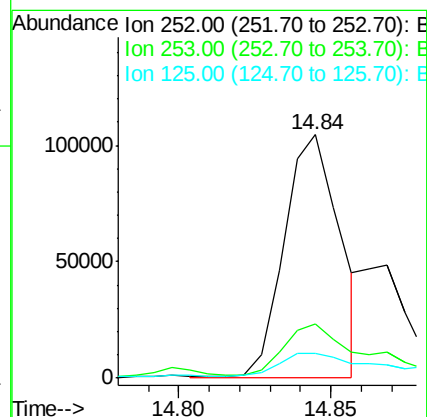
RT: 14.84 min Scan# 2169

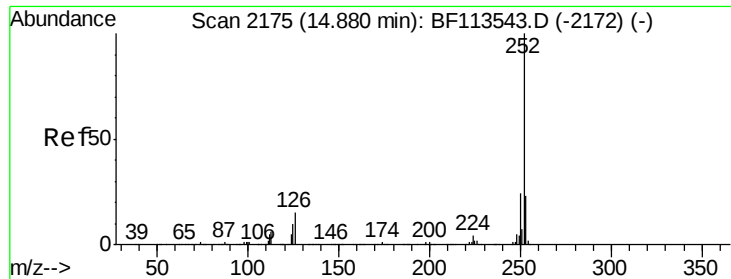
Delta R.T. -0.01 min

Lab File: BF113763.D

Acq: 15 Apr 2019 15:12

Tgt Ion:	252	Resp:	131730
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.0	27.0
125	9.9	7.6	11.4





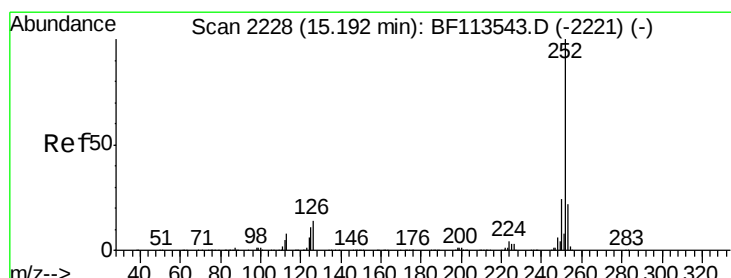
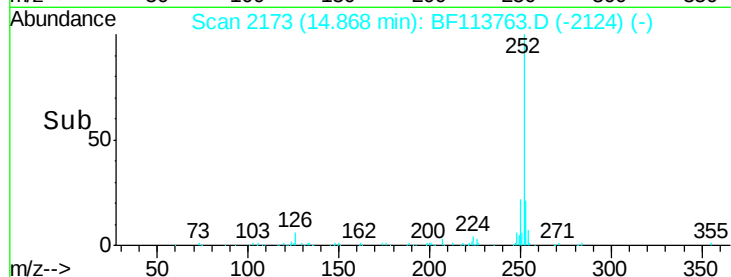
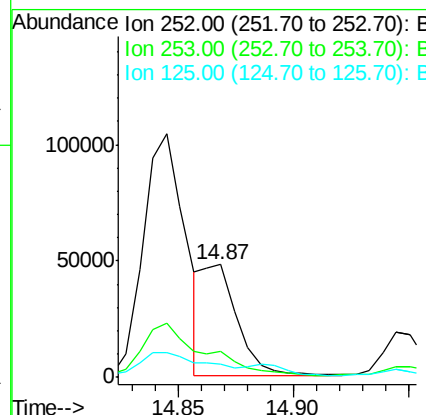
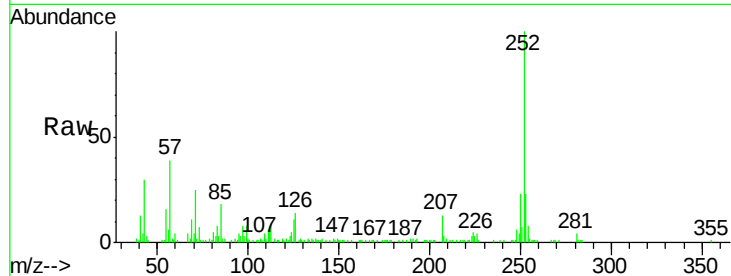
#89
Benzo(k)fluoranthene
Concen: 3.016 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113763.D
Acq: 15 Apr 2019 15:12

Instrument :
BNA_F
ClientSampled :
TP-11-S

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.7	26.5
125	11.4	7.3	10.9

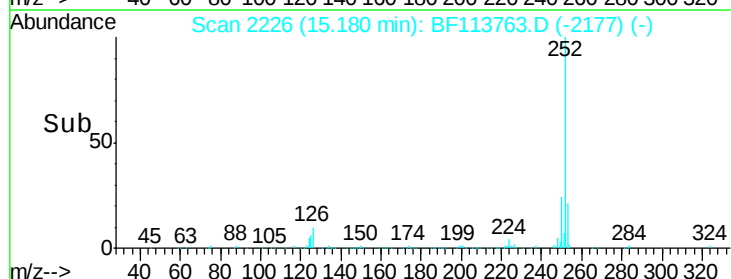
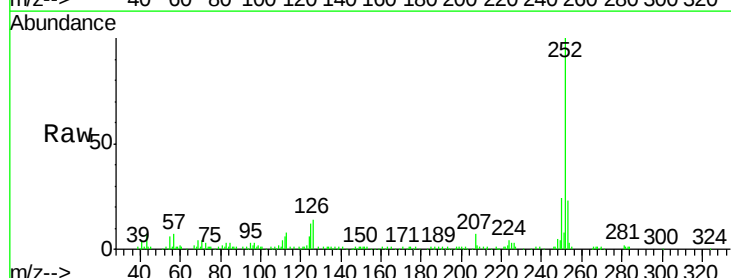
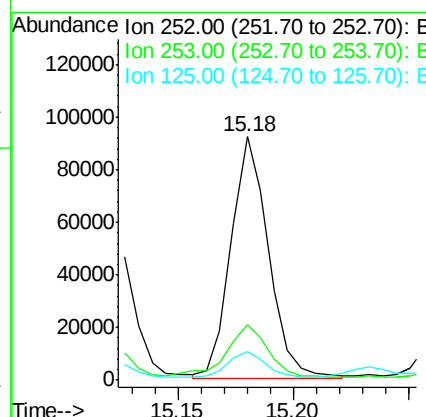
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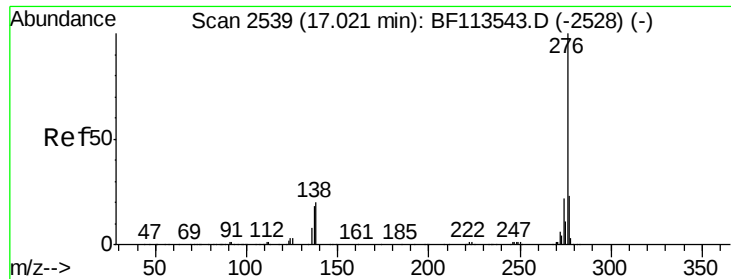
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#90
Benzo(a)pyrene
Concen: 6.236 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113763.D
Acq: 15 Apr 2019 15:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	11.8	8.8	13.2





#92
 Benzo(g,h,i)perylene
 Concen: 5.438 ng
 RT: 17.02 min Scan# 2539
 Delta R.T. -0.00 min
 Lab File: BF113763.D
 Acq: 15 Apr 2019 15:12

Instrument :
 BNA_F
 ClientSampleId :
 TP-11-S

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.8	28.2
138	20.3	15.6	23.4

Manual Integrations
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