

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
 Data File : BF113735.D
 Acq On : 11 Apr 2019 22:22
 Operator : JU/SJ
 Sample : K2358-15
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-D

Manual Integrations
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Sohil
 4/12/2019 2:29:14 PM

Quant Time: Apr 12 03:28:57 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	131308	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	469832	20.00	ng	-0.02
39) Acenaphthene-d10	9.70	164	204151	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	350433	20.00	ng	-0.02
76) Chrysene-d12	13.82	240	361189	20.00	ng	-0.02
87) Perylene-d12	15.23	264	333856	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	714472	92.78	ng	-0.01
7) Phenol-d6	6.33	99	938097	98.84	ng	-0.01
23) Nitrobenzene-d5	7.24	82	537875	67.06	ng	-0.02
42) 2,4,6-Tribromophenol	10.49	330	210437	85.81	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	937383	73.92	ng	-0.02
79) Terphenyl-d14	12.76	244	884795	49.88	ng	-0.03
Target Compounds						Qvalue
50) Dimethylphthalate	9.43	163	136111	9.045	ng	99
71) Phenanthrene	11.20	178	337397	19.376	ng	99
72) Anthracene	11.26	178	91497	5.164	ng	100
75) Fluoranthene	12.40	202	544203	29.165	ng	98
78) Pyrene	12.62	202	601937	21.903	ng	99
81) Benzo(a)anthracene	13.81	228	362176m	17.383	ng	
83) Chrysene	13.84	228	343591	16.268	ng	99
86) Indeno(1,2,3-cd)pyrene	16.59	276	117653	6.033	ng	95
88) Benzo(b)fluoranthene	14.83	252	357312m	17.484	ng	
89) Benzo(k)fluoranthene	14.86	252	116560m	6.355	ng	
90) Benzo(a)pyrene	15.17	252	257436	14.176	ng	99
91) Dibenzo(a,h)anthracene	16.59	278	34483	2.031	ng	# 84
92) Benzo(a,h,i)perylene	17.00	276	111713	6.445	ng	95

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

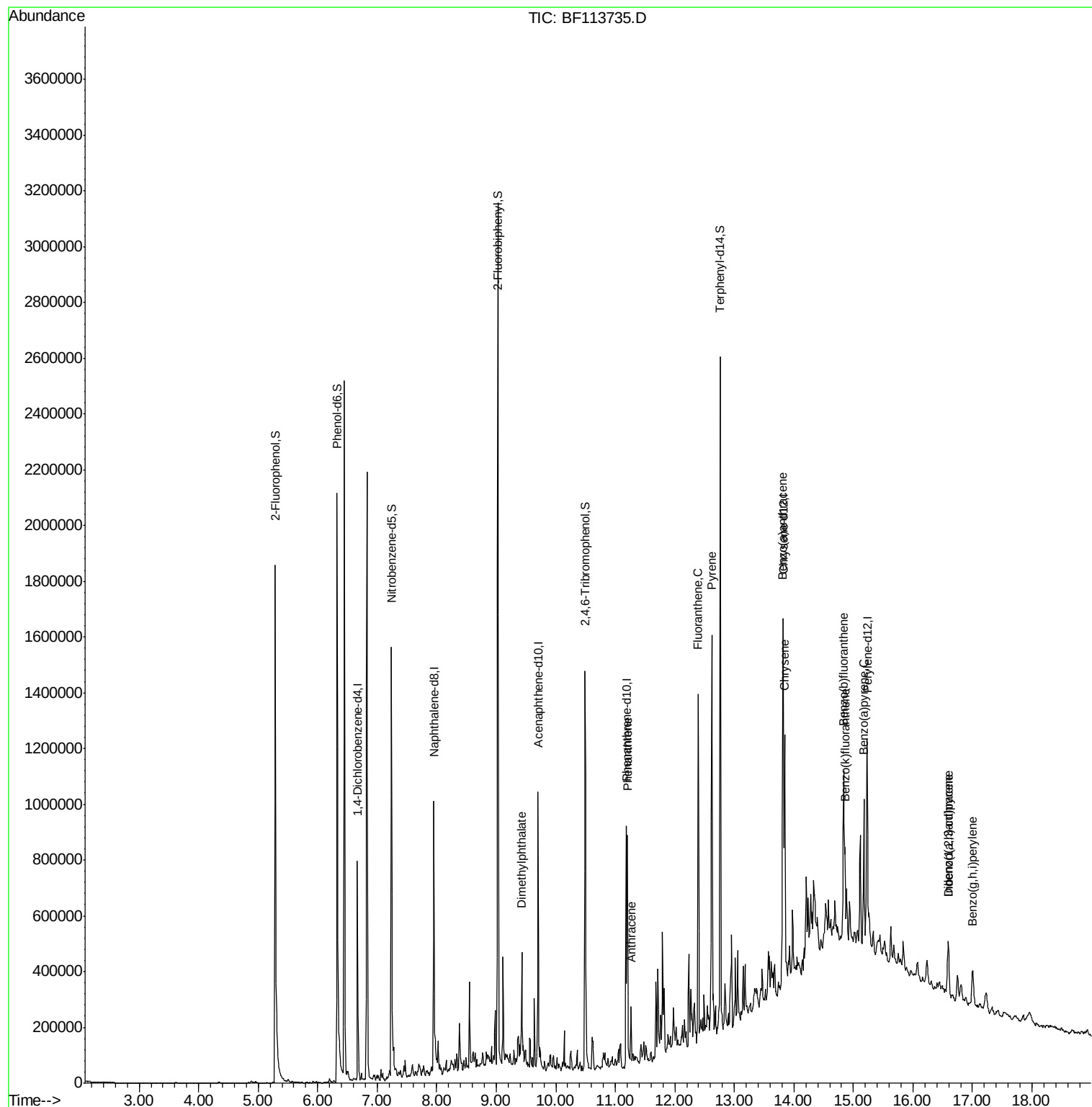
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
Data File : BF113735.D
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Operator : JU/SJ
Sample : K2358-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

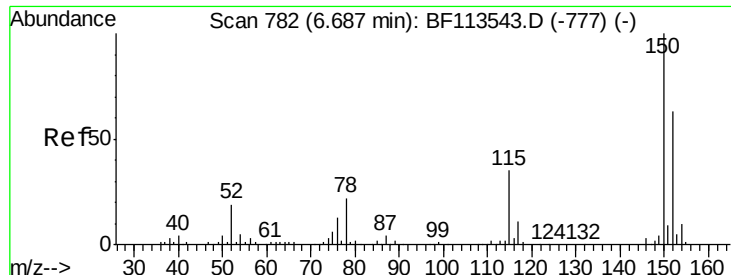
Instrument :
BNA_F
ClientSampleId :
TP-7-D

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#1

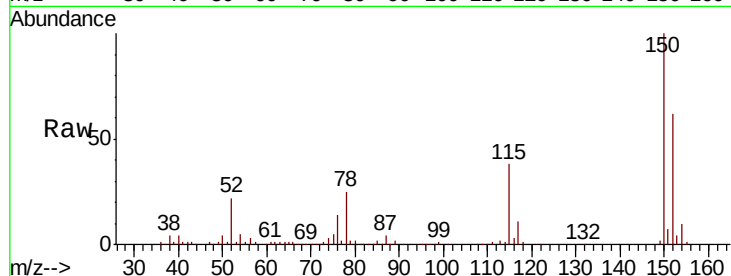
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.67 min Scan# 779
 Delta R.T. -0.02 min
 Lab File: BF113735.D
 Acq: 11 Apr 2019 22:22

Instrument :
 BNA_F
 ClientSampled :
 TP-7-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	124.7	187.1
115	60.1	46.0	69.0

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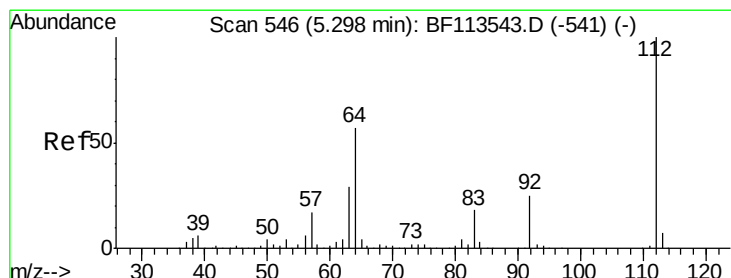
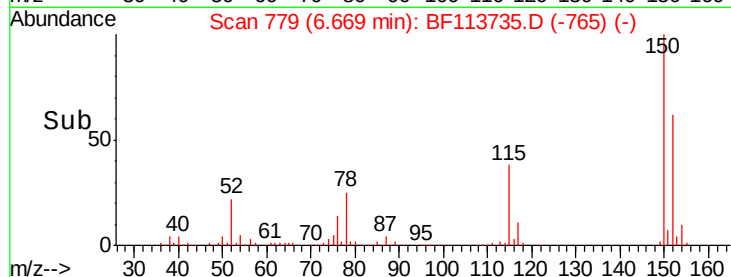
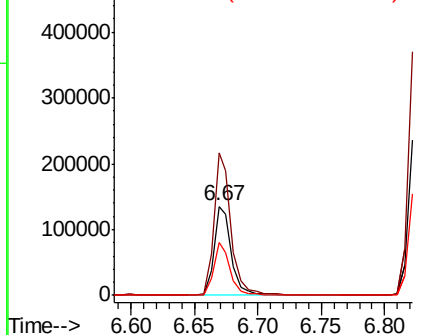


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

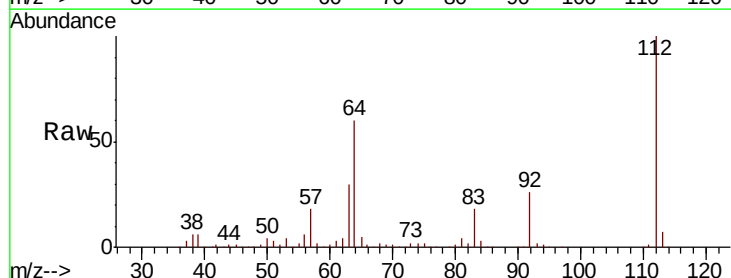
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 92.785 ng
 RT: 5.29 min Scan# 544
 Delta R.T. -0.01 min
 Lab File: BF113735.D
 Acq: 11 Apr 2019 22:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	49.2	73.8
63	30.2	24.9	37.3

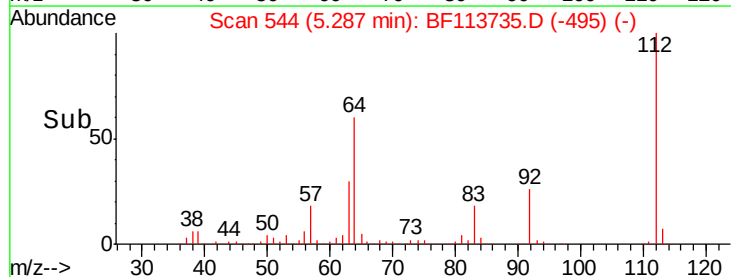
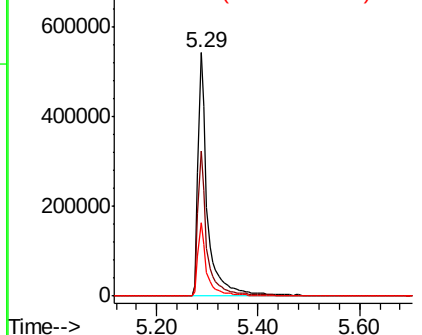


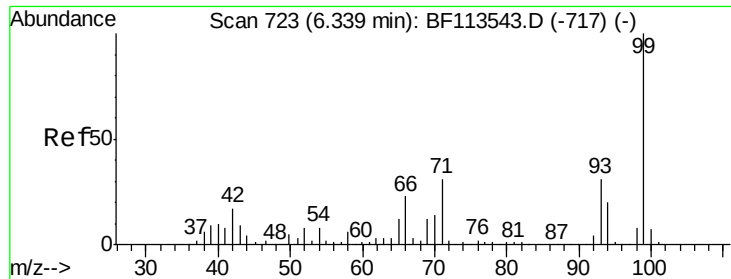
Abundance

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: 98.844 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113735.D

Acq: 11 Apr 2019 22:22

Instrument :

BNA_F

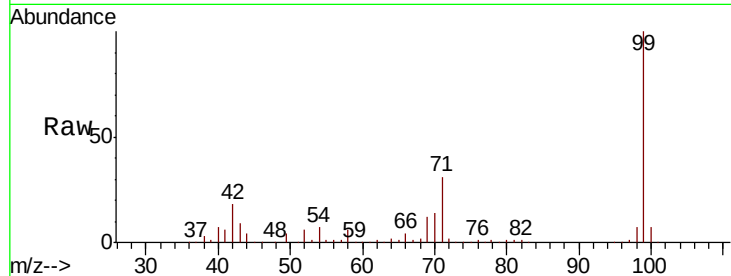
ClientSampled :

TP-7-D

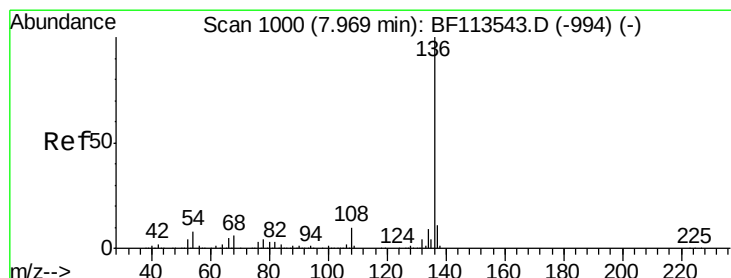
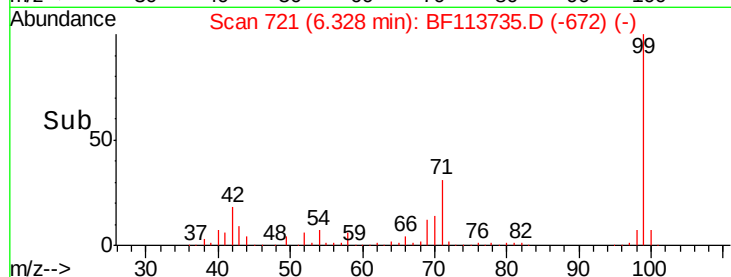
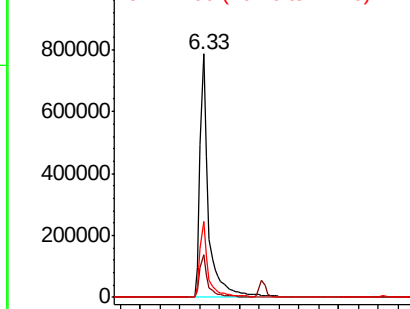
Tot Ion:	99	Resp:	938097
Ion Ratio	Lower	Upper	
99	100		
42	17.7	14.8	22.2
71	31.2	24.9	37.3

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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

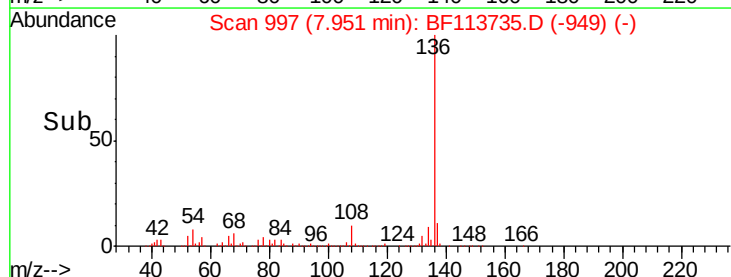
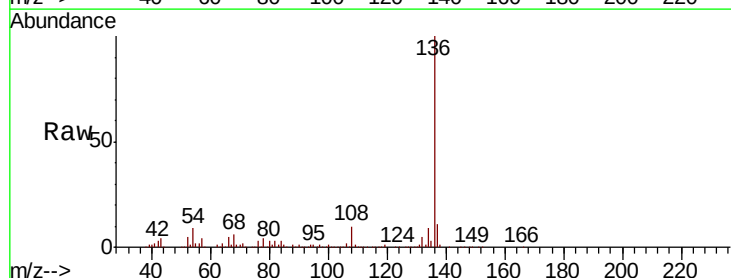
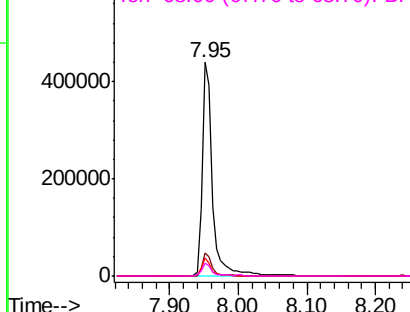
Delta R.T. -0.02 min

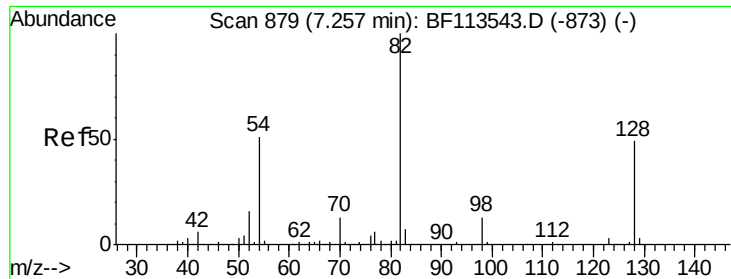
Lab File: BF113735.D

Acq: 11 Apr 2019 22:22

Tgt Ion:	136	Resp:	469832
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	8.6	7.0	10.6
68	6.3	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





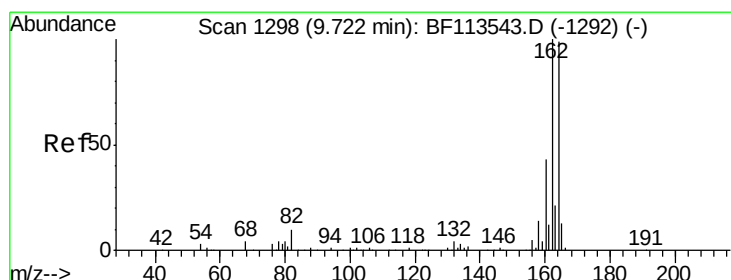
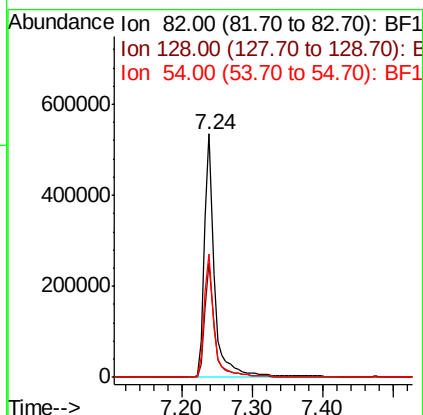
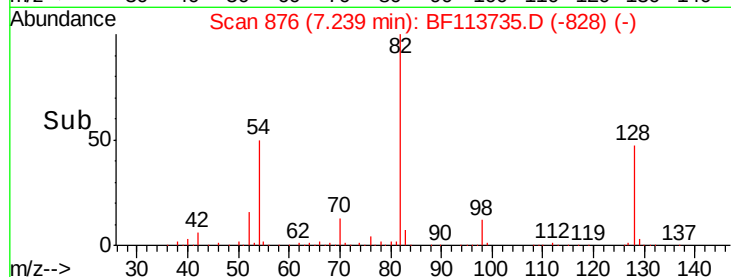
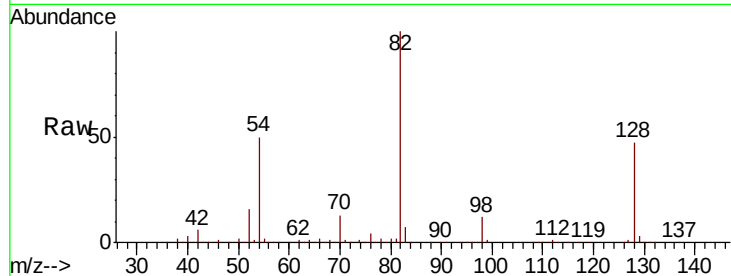
#23
 Nitrobenzene-d5
 Concen: 67.058 ng
 RT: 7.24 min Scan# 876
 Delta R.T. -0.02 min
 Lab File: BF113735.D
 Acq: 11 Apr 2019 22:22

Instrument :
 BNA_F
 ClientSampled :
 TP-7-D

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.5	54.7
54	50.5	42.2	63.2

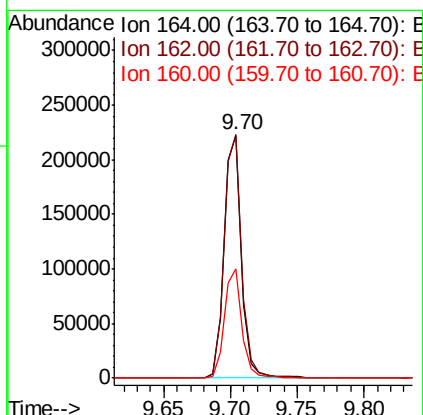
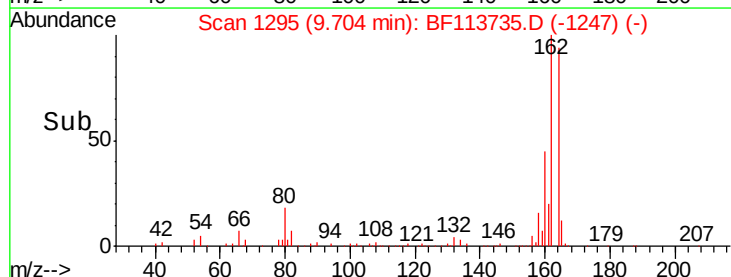
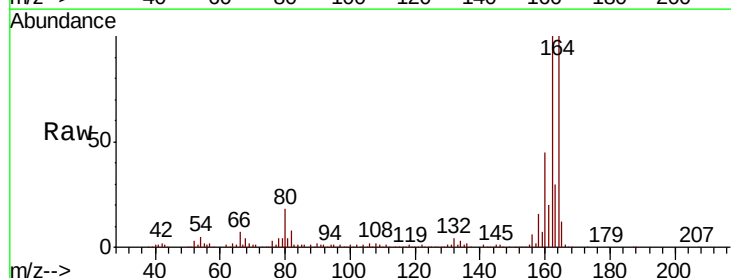
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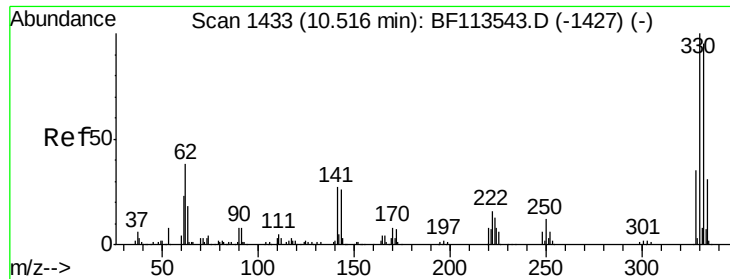
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.02 min
 Lab File: BF113735.D
 Acq: 11 Apr 2019 22:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.5	81.8	122.6
160	45.0	36.4	54.6





#42

2,4,6-Tribromophenol

Concen: 85.810 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.02 min

Lab File: BF113735.D

Acq: 11 Apr 2019 22:22

Instrument :

BNA_F

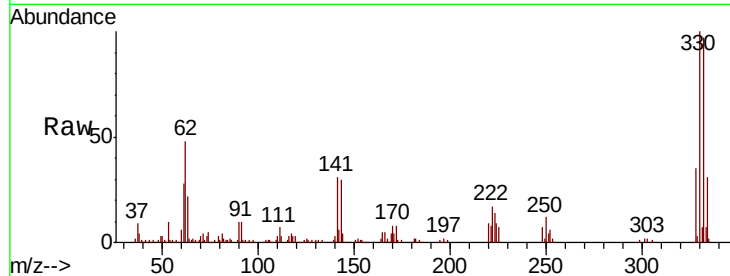
ClientSampled :

TP-7-D

Tot Ion:	330	Resp:	210437
Ion Ratio	Lower	Upper	
330	100		
332	96.3	77.8	116.6
141	28.2	22.7	34.1

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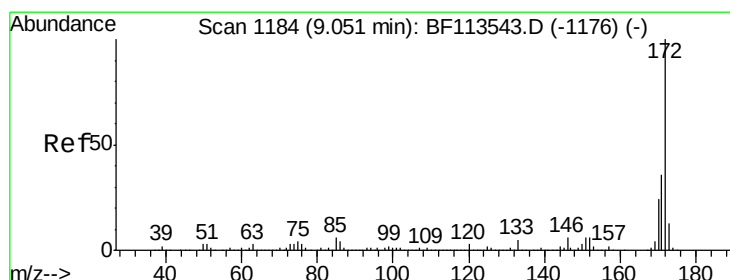
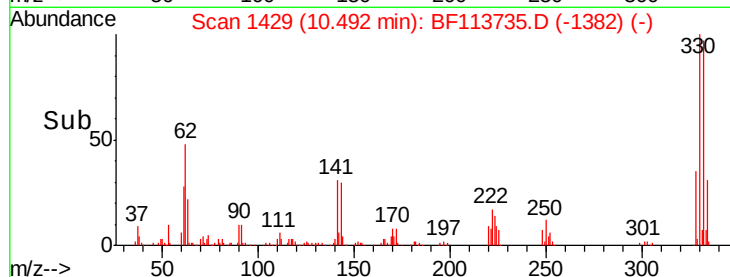
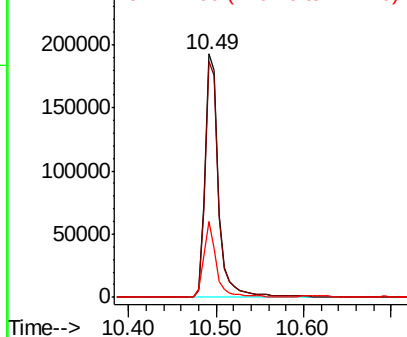


Abundance

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: 73.920 ng

RT: 9.03 min Scan# 1180

Delta R.T. -0.02 min

Lab File: BF113735.D

Acq: 11 Apr 2019 22:22

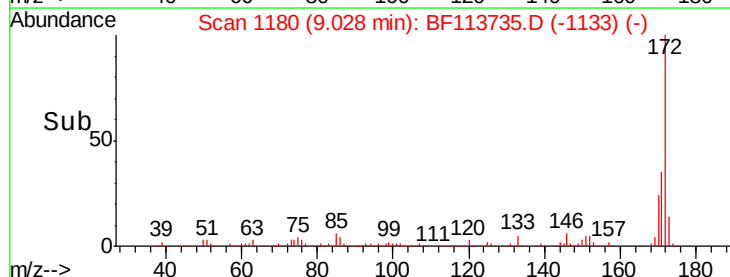
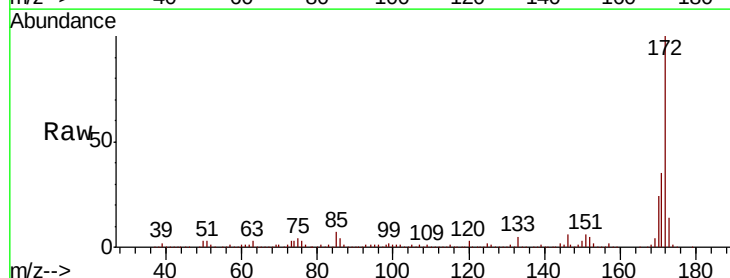
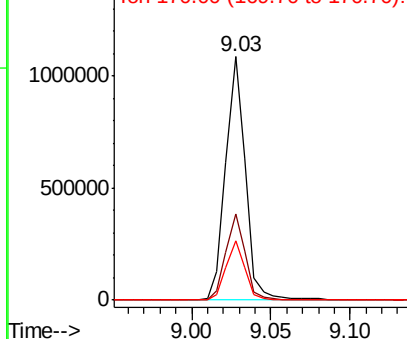
Tgt Ion:	172	Resp:	937383
Ion Ratio	Lower	Upper	
172	100		
171	35.5	29.0	43.6
170	24.2	19.5	29.3

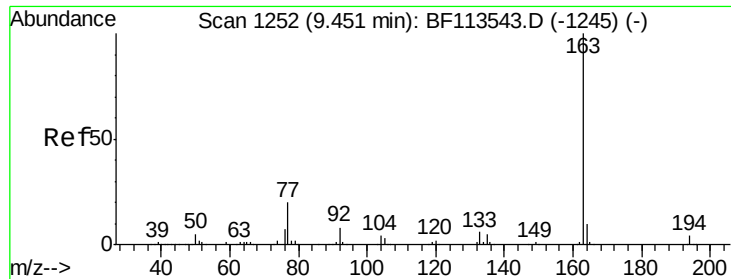
Abundance

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





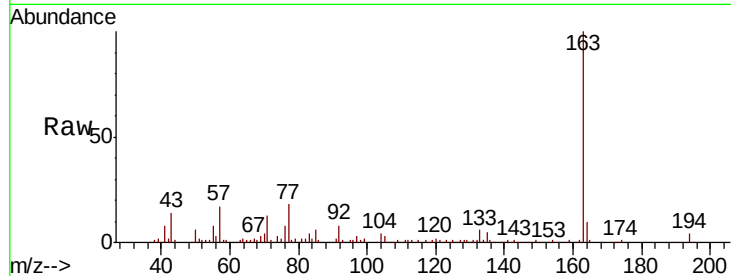
#50
Dimethylphthalate
Concen: 9.045 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BF113735.D
Acq: 11 Apr 2019 22:22

Instrument :
BNA_F
ClientSampleId :
TP-7-D

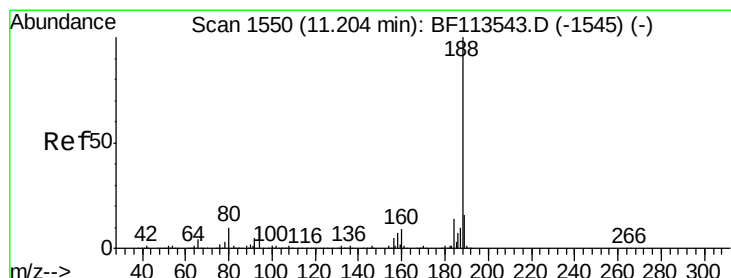
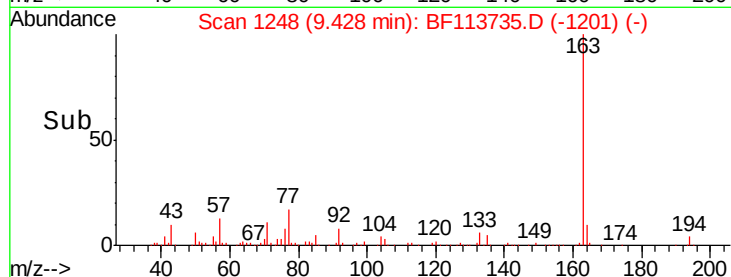
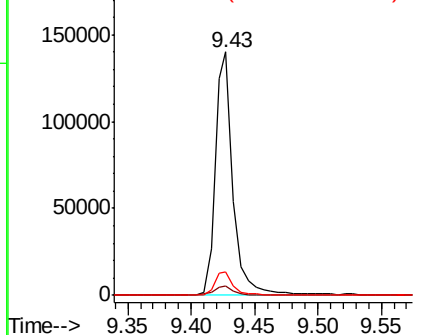
Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		136111		
194	3.8		3.0	4.6	
164	9.6		8.1	12.1	

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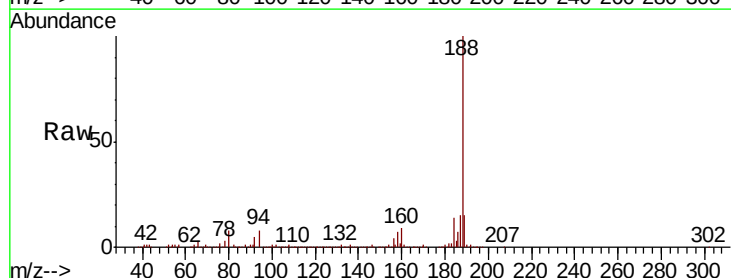


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

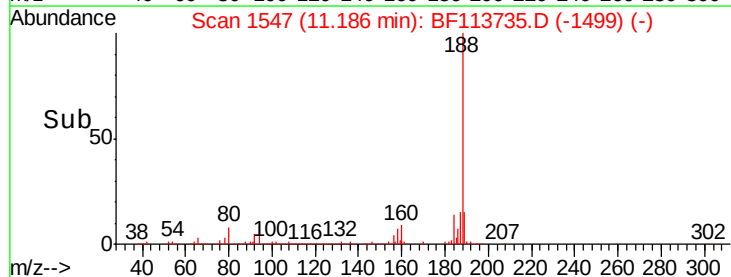
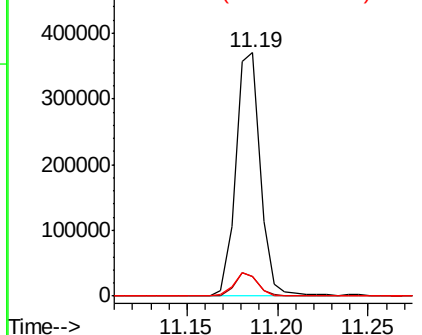


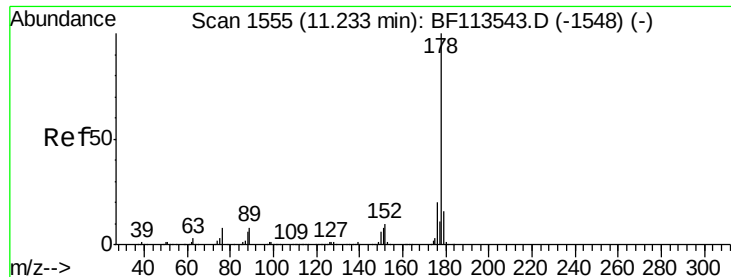
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF113735.D
Acq: 11 Apr 2019 22:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		350433		
94	8.1		7.0	10.6	
80	8.0		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





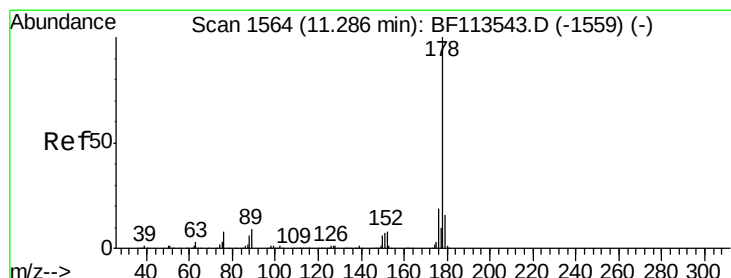
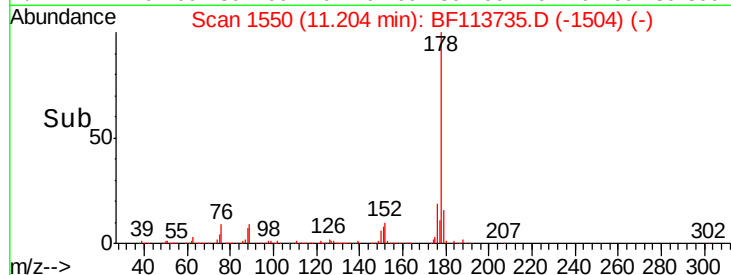
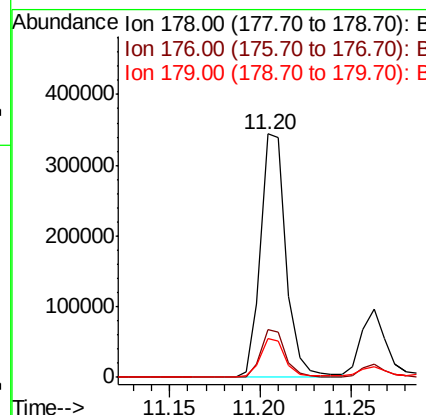
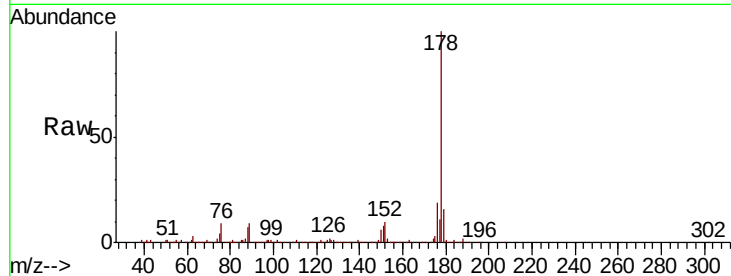
#71
Phenanthrene
Concen: 19.376 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.03 min
Lab File: BF113735.D
Acq: 11 Apr 2019 22:22

Instrument :
BNA_F
ClientSampled :
TP-7-D

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.2
179	15.8	12.7	19.1

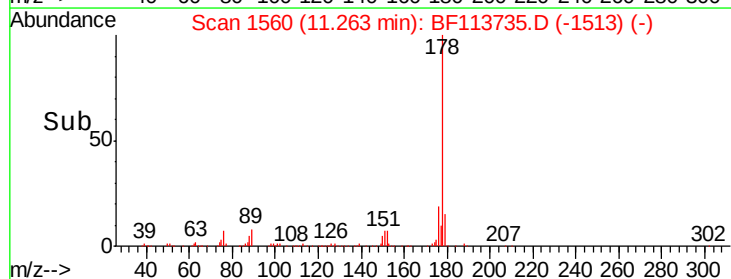
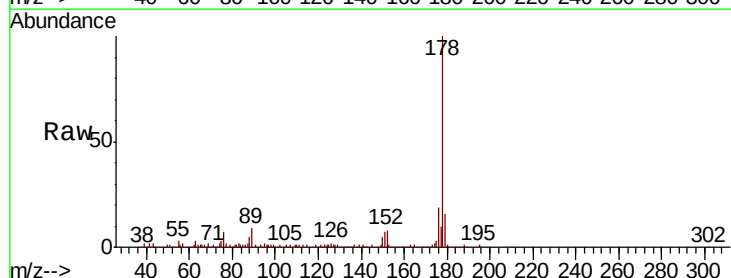
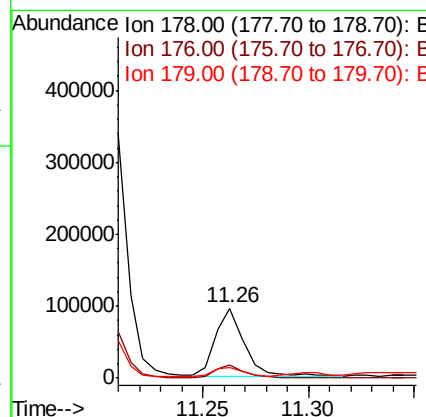
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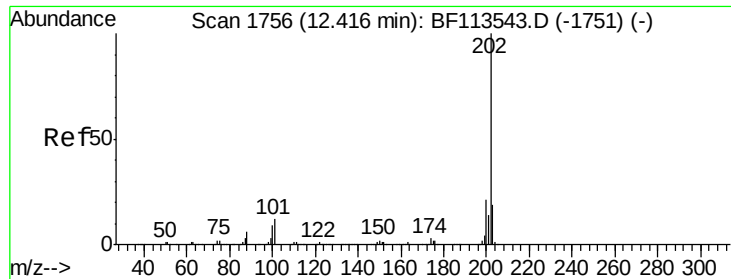
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#72
Anthracene
Concen: 5.164 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.02 min
Lab File: BF113735.D
Acq: 11 Apr 2019 22:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.9	12.8	19.2





#75

Fluoranthene

Concen: 29.165 ng

RT: 12.40 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF113735.D

Acq: 11 Apr 2019 22:22

Instrument :

BNA_F

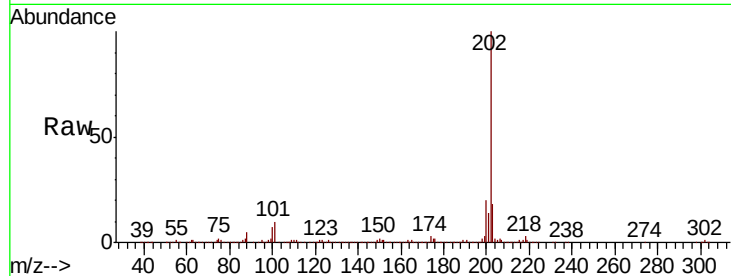
ClientSampleId :

TP-7-D

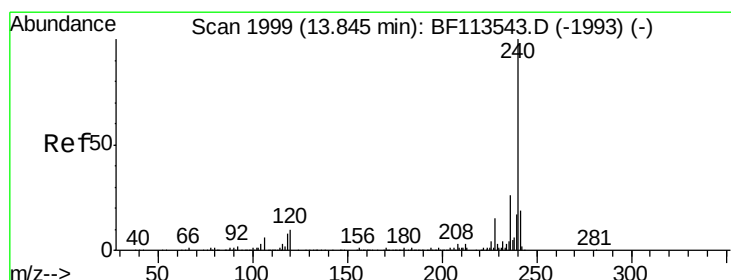
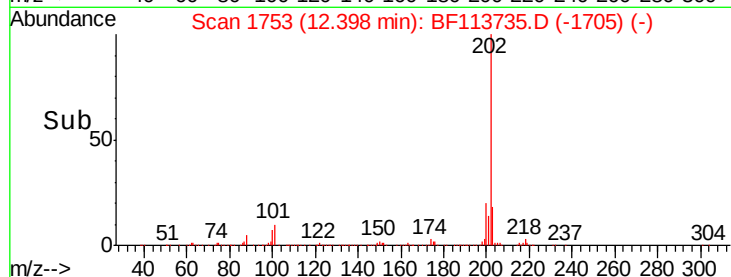
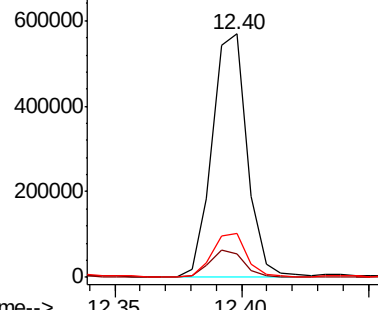
Tot Ion:	202	Resp:	544203
Ion Ratio	Lower	Upper	
202	100		
101	9.7	0.0	31.4
203	17.8	0.0	38.0

Manual Integrations
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4/12/2019 2:29:14 PM



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: 13.82 min Scan# 1995

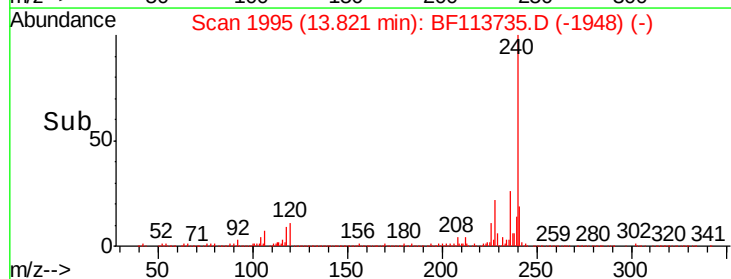
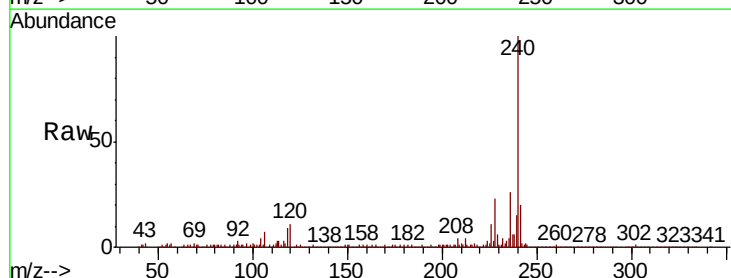
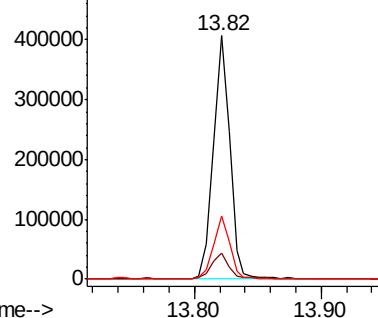
Delta R.T. -0.02 min

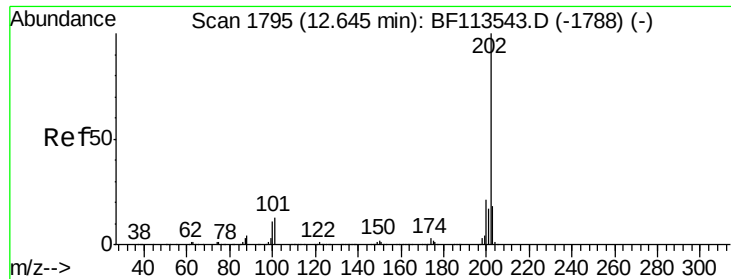
Lab File: BF113735.D

Acq: 11 Apr 2019 22:22

Tgt Ion:	240	Resp:	361189
Ion Ratio	Lower	Upper	
240	100		
120	10.8	8.8	13.2
236	26.0	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





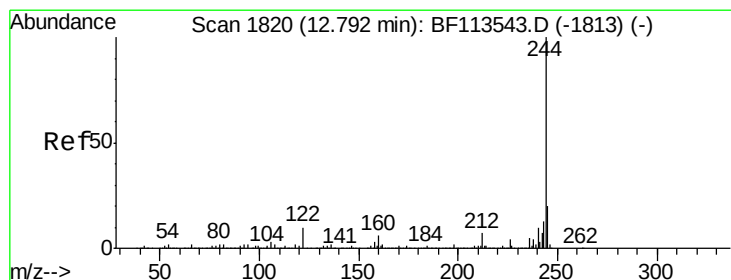
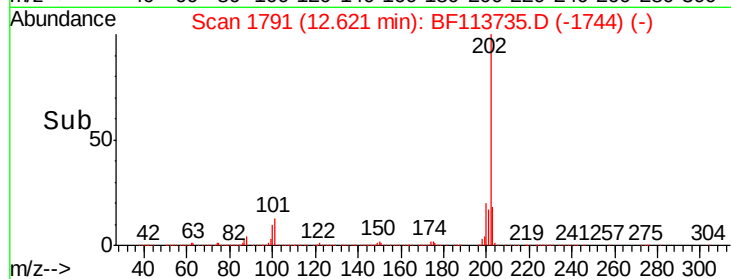
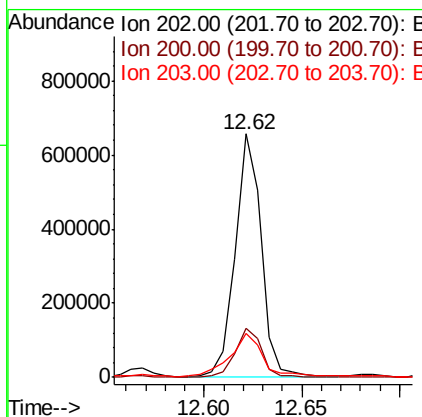
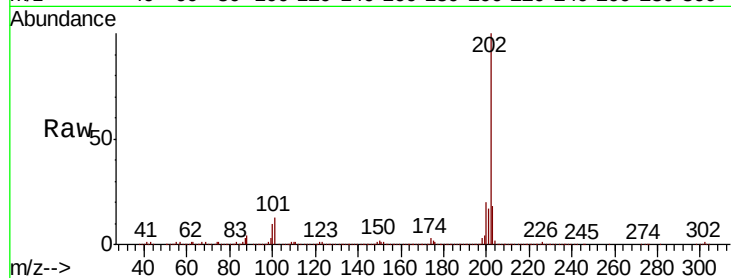
#78
Pvrene
Concen: 21.903 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.02 min
Lab File: BF113735.D
Acq: 11 Apr 2019 22:22

Instrument :
BNA_F
ClientSampleId :
TP-7-D

Tot Ion	Ratio	Resp	Lower	Upper
202	100	601937		
200	20.0		16.8	25.2
203	18.1		14.4	21.6

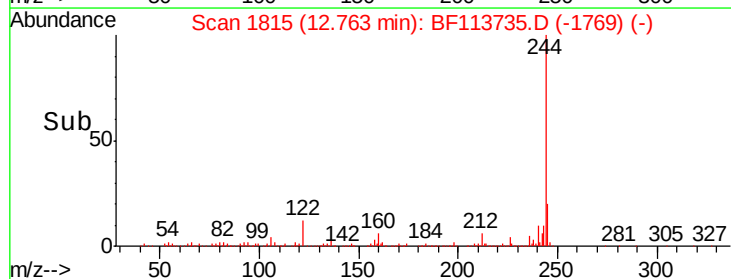
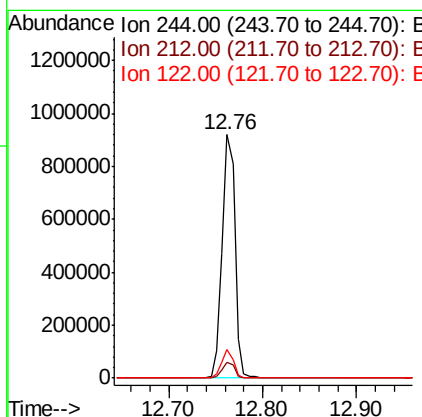
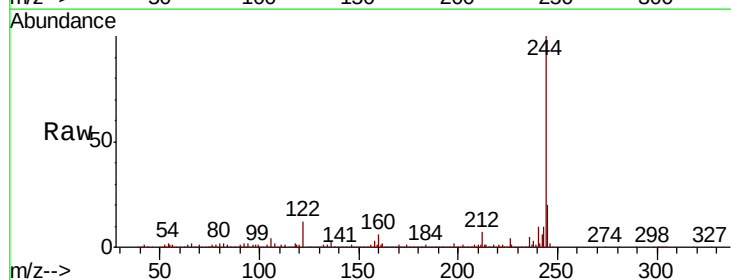
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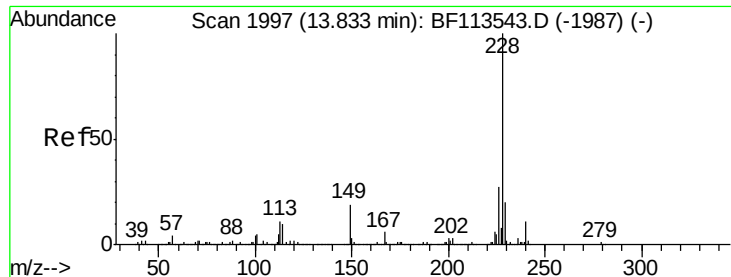
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4/12/2019 2:29:14 PM



#79
Terphenyl-d14
Concen: 49.876 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.03 min
Lab File: BF113735.D
Acq: 11 Apr 2019 22:22

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	884795		
212	6.6		5.5	8.3
122	11.6		8.6	13.0





#81

Benzo(a)anthracene

Concen: 17.383 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF113735.D

Acq: 11 Apr 2019 22:22

Instrument :

BNA_F

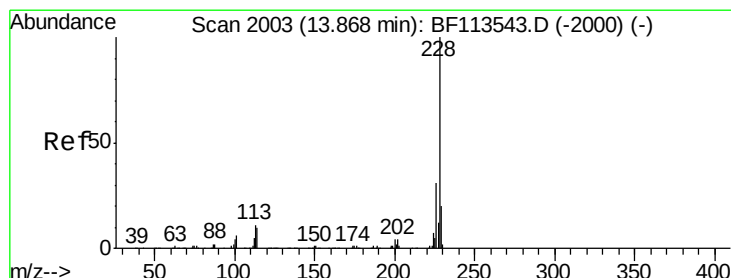
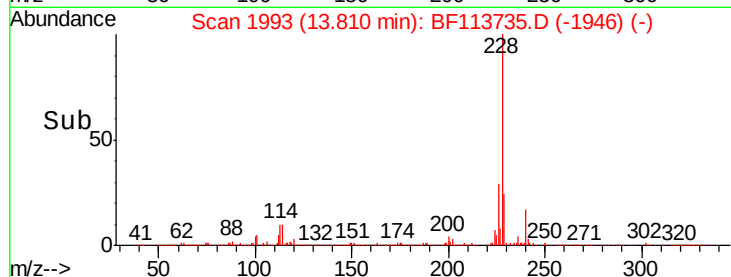
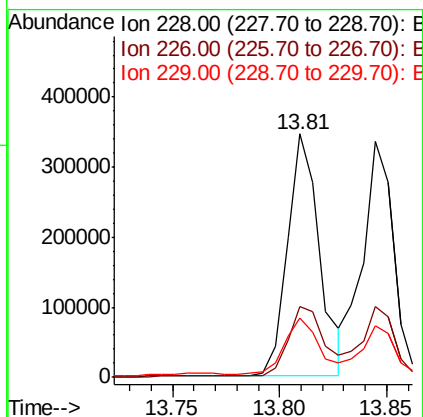
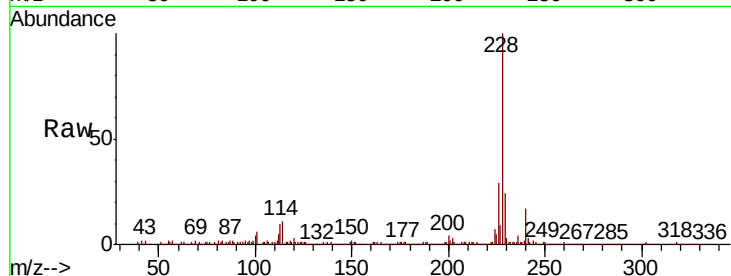
ClientSampleId :

TP-7-D

Tot Ion:	228	Resp:	362176
Ion Ratio	Lower	Upper	
228	100		
226	29.0	21.8	32.8
229	24.4	16.2	24.4

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4/12/2019 2:29:14 PM



#83

Chrysene

Concen: 16.268 ng

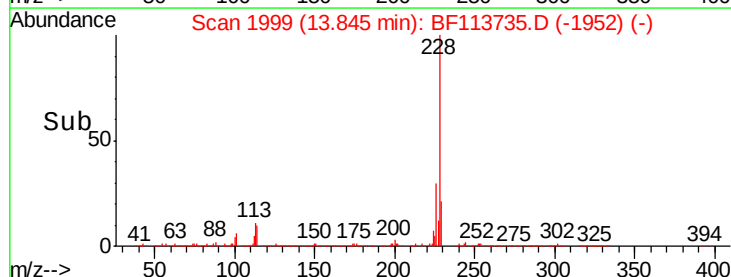
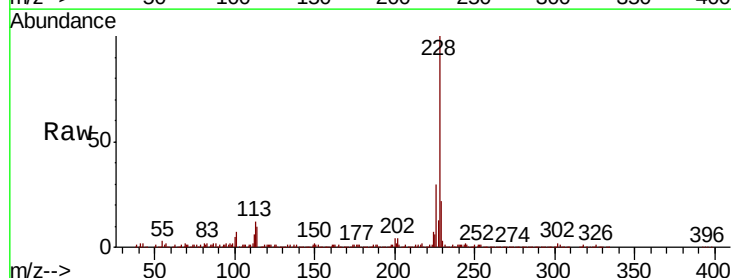
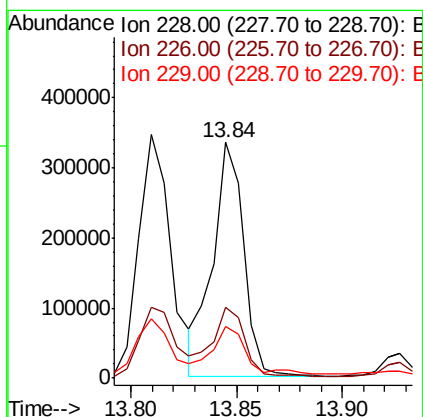
RT: 13.84 min Scan# 1999

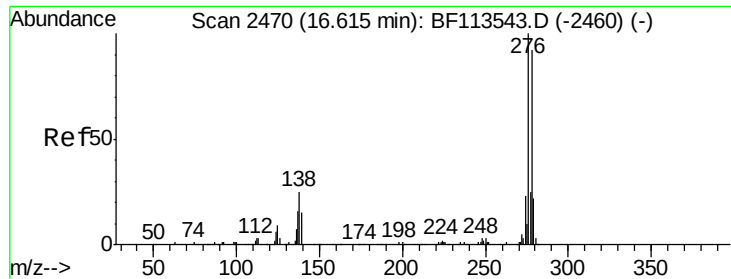
Delta R.T. -0.02 min

Lab File: BF113735.D

Acq: 11 Apr 2019 22:22

Tgt Ion:	228	Resp:	343591
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.3	36.5
229	21.8	16.3	24.5





#86

Indeno(1,2,3-cd)pyrene

Concen: 6.033 ng

RT: 16.59 min Scan# 2466

Delta R.T. -0.02 min

Lab File: BF113735.D

Acq: 11 Apr 2019 22:22

Instrument :

BNA_F

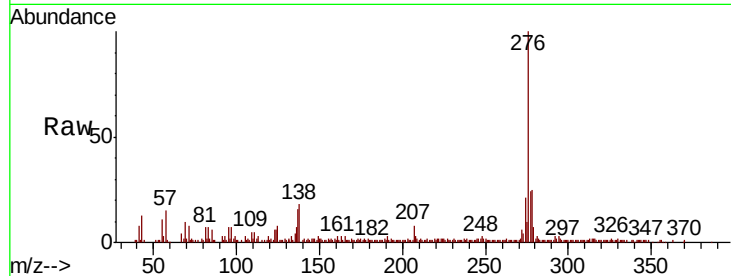
ClientSampleId :

TP-7-D

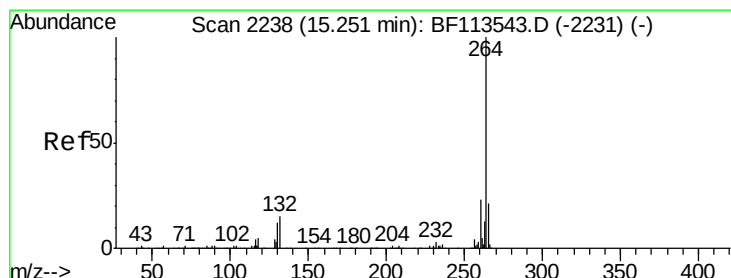
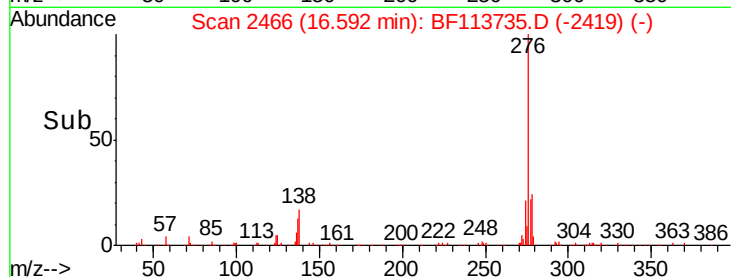
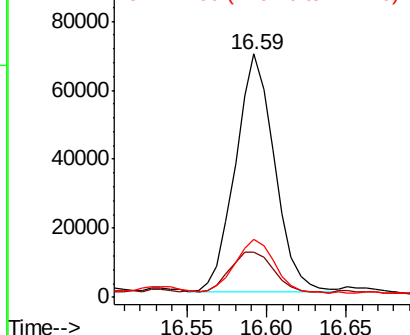
Tot Ion:	276	Resp:	117653
Ion Ratio	Lower	Upper	
276	100		
138	19.9	18.1	27.1
277	23.1	20.2	30.4

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4/12/2019 2:29:14 PM



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

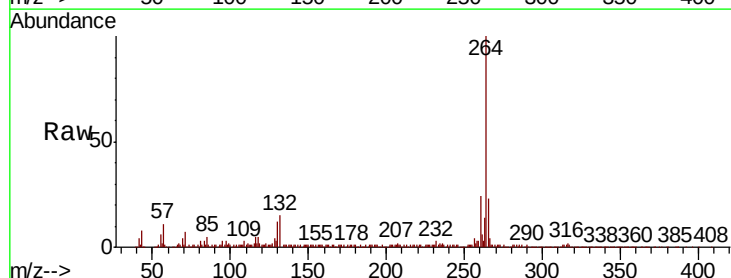
RT: 15.23 min Scan# 2235

Delta R.T. -0.02 min

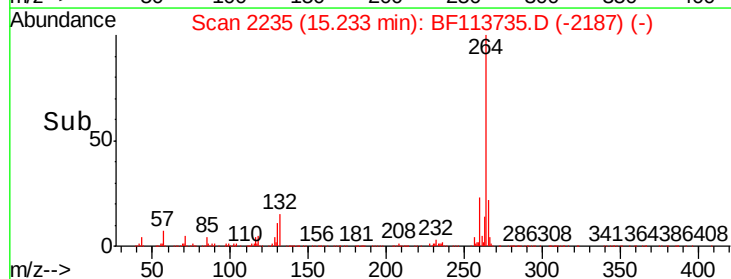
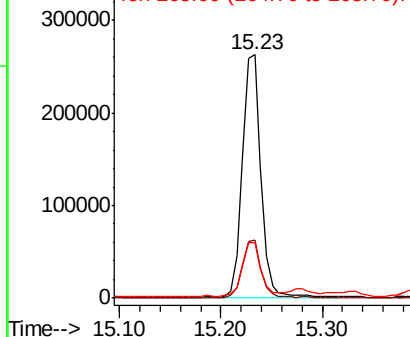
Lab File: BF113735.D

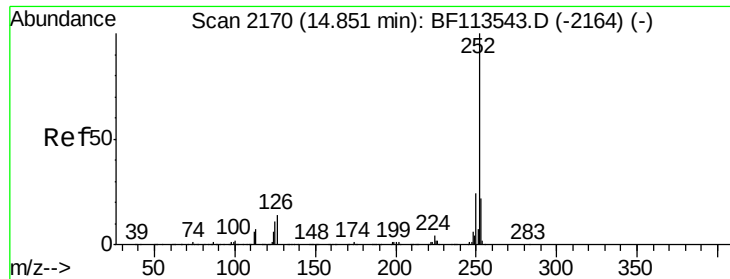
Acq: 11 Apr 2019 22:22

Tgt Ion:	264	Resp:	333856
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.1	28.7
265	22.5	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





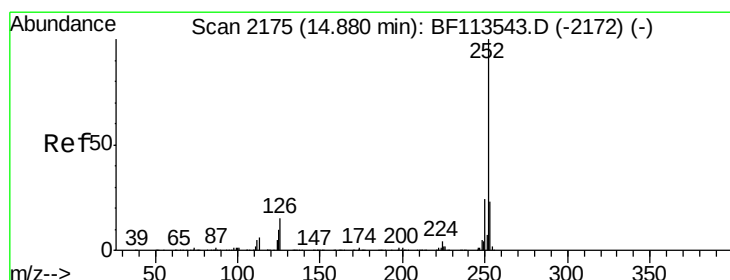
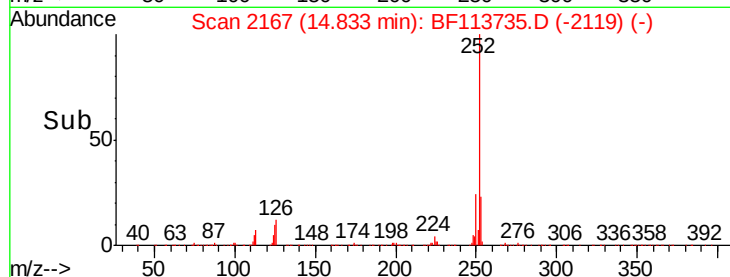
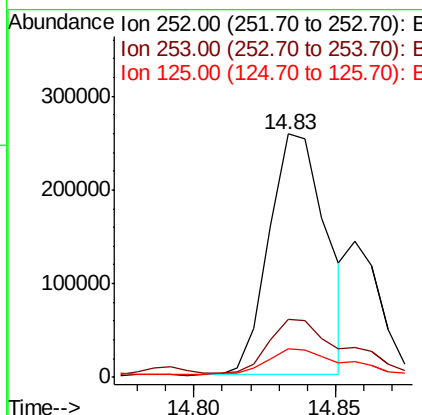
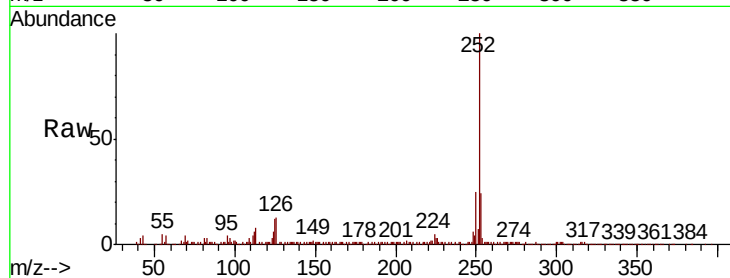
#88
Benzo(b)fluoranthene
Concen: 17.484 ng m
RT: 14.83 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BF113735.D
Acq: 11 Apr 2019 22:22

Instrument :
BNA_F
ClientSampleId :
TP-7-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	11.8	7.6	11.4

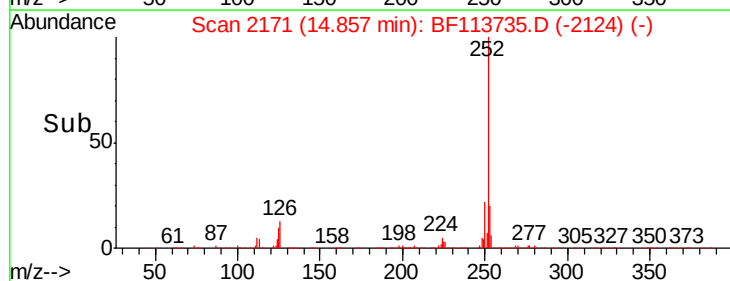
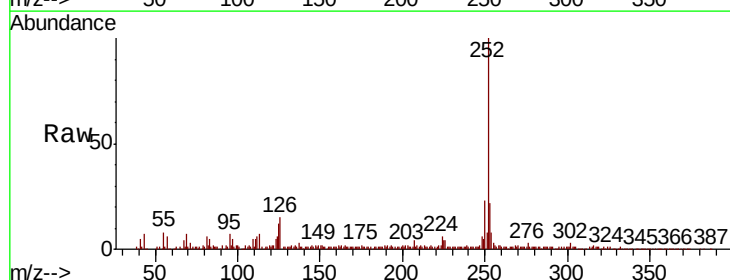
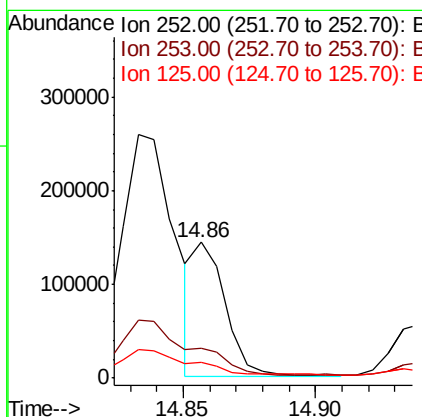
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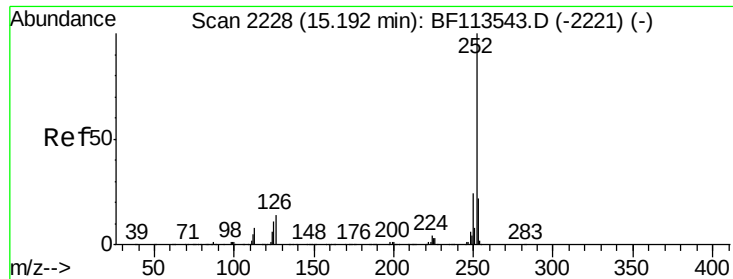
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4/12/2019 2:29:14 PM



#89
Benzo(k)fluoranthene
Concen: 6.355 ng m
RT: 14.86 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF113735.D
Acq: 11 Apr 2019 22:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	12.1	7.3	10.9





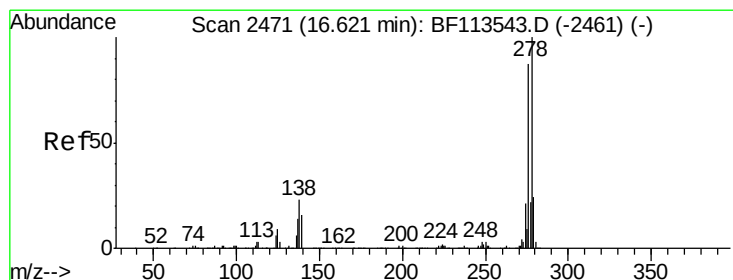
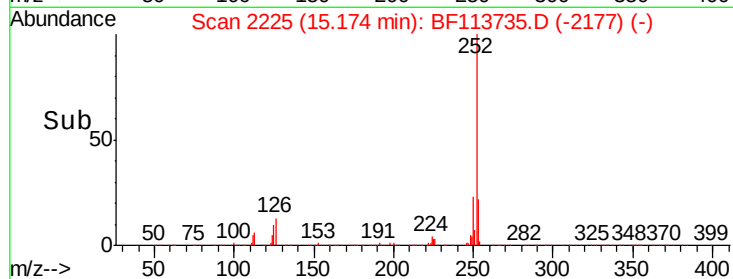
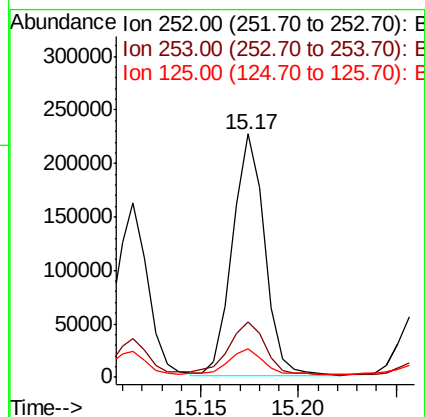
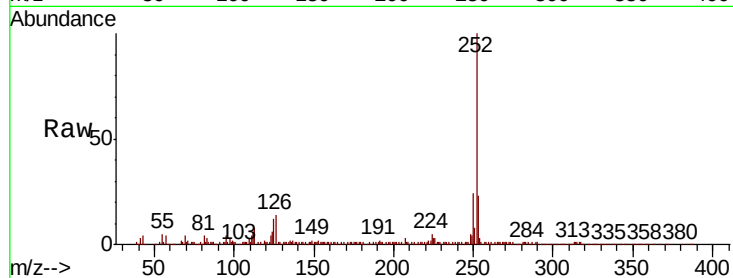
#90
Benzo(a)pyrene
Concen: 14.176 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.02 min
Lab File: BF113735.D
Acq: 11 Apr 2019 22:22

Instrument :
BNA_F
ClientSampleId :
TP-7-D

Tot Ion:	252	Resp:	257436
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.9	26.9
125	11.7	8.8	13.2

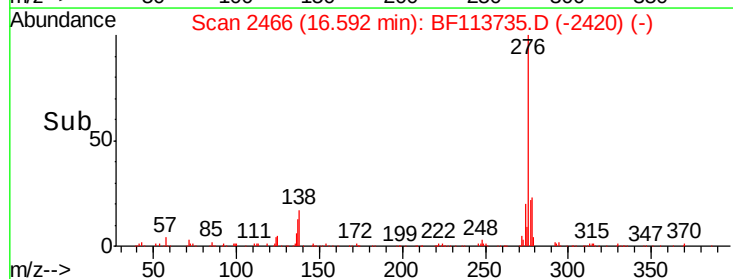
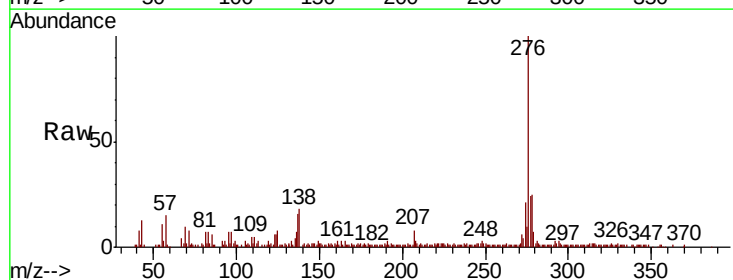
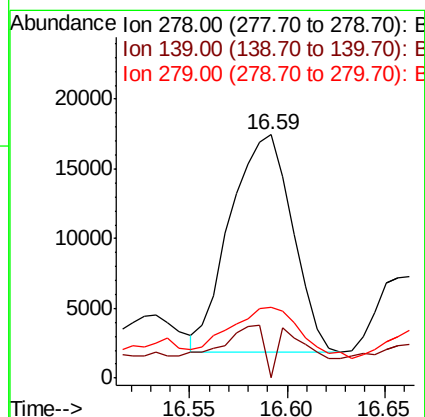
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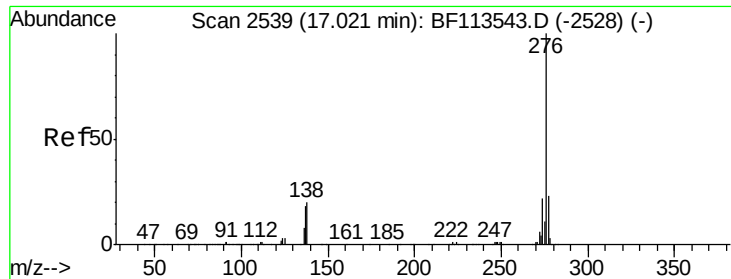
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#91
Dibenzo(a,h)anthracene
Concen: 2.031 ng
RT: 16.59 min Scan# 2466
Delta R.T. -0.03 min
Lab File: BF113735.D
Acq: 11 Apr 2019 22:22

Tgt Ion:	278	Resp:	34483
Ion Ratio	Lower	Upper	
278	100		
139	4.8	12.0	18.0#
279	29.0	19.0	28.6#





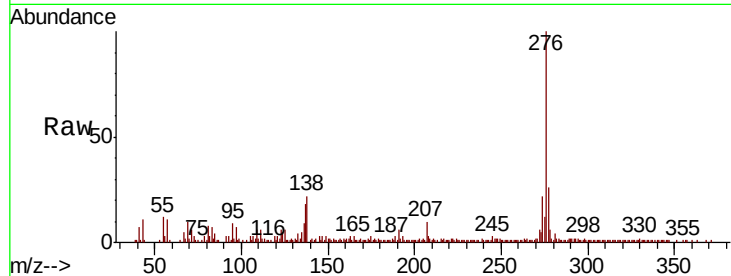
#92
 Benzo(a,h,i)perylene
 Concen: 6.445 ng
 RT: 17.00 min Scan# 2536
 Delta R.T. -0.02 min
 Lab File: BF113735.D
 Acq: 11 Apr 2019 22:22

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-D

Tot Ion:	276	Resp:	111713
Ion Ratio	Lower	Upper	
276	100		
277	25.7	18.8	28.2
138	22.4	15.6	23.4

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

