

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
 Data File : BF111539.D
 Acq On : 17 Dec 2018 15:07
 Operator : JU/SJ
 Sample : J6386-16
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS007-0612-01

Manual Integrations
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Quant Time: Dec 18 12:55:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	122149	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	462054	20.00	ng	-0.01
39) Acenaphthene-d10	9.82	164	274754	20.00	ng	-0.01
64) Phenanthrene-d10	11.31	188	456277	20.00	ng	0.00
76) Chrysene-d12	13.95	240	439354	20.00	ng	0.00
87) Perylene-d12	15.39	264	347283	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	756612	103.07	ng	0.00
7) Phenol-d6	6.44	99	918332	94.05	ng	0.00
23) Nitrobenzene-d5	7.35	82	566957	73.07	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	227175	92.30	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1296578	72.89	ng	-0.01
79) Terphenyl-d14	12.89	244	1050602	56.15	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	78616	7.228	ng	96
20) 3+4-Methylphenols	7.20	107	20220	2.284	ng	# 59
27) 2,4-Dimethylphenol	7.73	122	12252	2.059	ng	94
30) 1,2,4-Trichlorobenzene	8.01	180	37257	5.602	ng	96
49) Acenaphthylene	9.68	152	78446	2.987	ng	94
50) Dimethylphthalate	9.54	163	88053	4.450	ng	98
71) Phenanthrene	11.33	178	223366	9.500	ng	92
75) Fluoranthene	12.52	202	171477	7.455	ng	99
78) Pyrene	12.75	202	301613	9.737	ng	94
81) Benzo(a)anthracene	13.94	228	103253m	4.322	ng	
83) Chrysene	13.97	228	117954	4.687	ng	97
86) Indeno(1,2,3-cd)pyrene	16.80	276	37839	2.083	ng	94
88) Benzo(b)fluoranthene	14.97	252	87885m	4.341	ng	
90) Benzo(a)pyrene	15.33	252	90555	4.960	ng	# 91
92) Benzo(a,h,i)perylene	17.23	276	48947	3.462	ng	97

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

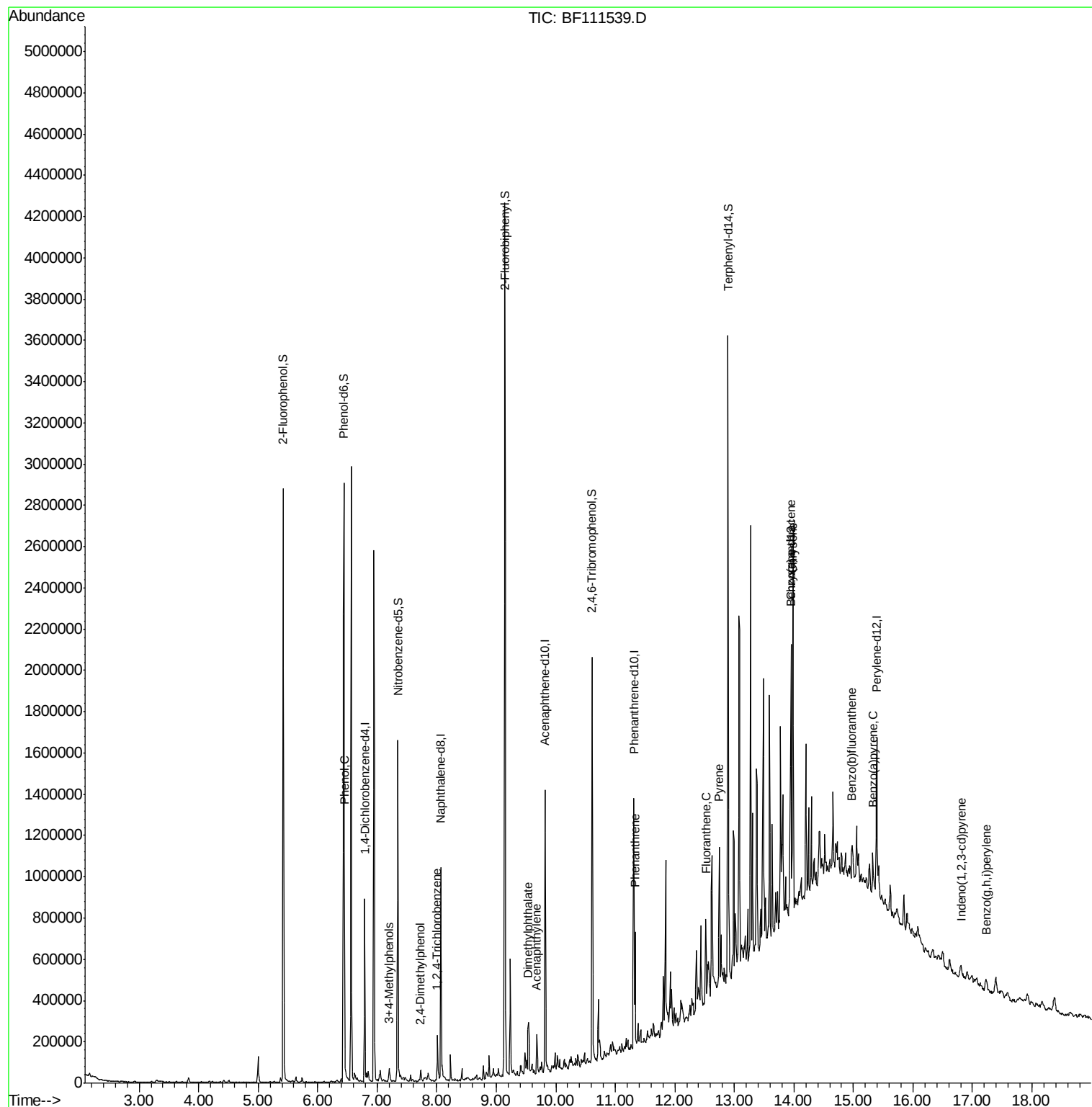
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
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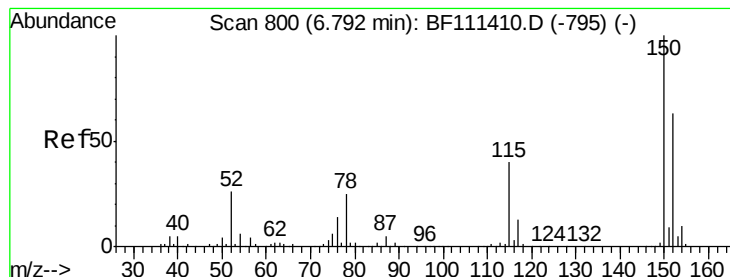
Instrument :
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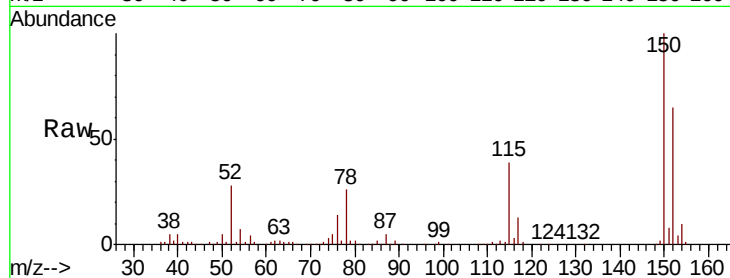
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF111539.D
 Acq: 17 Dec 2018 15:07

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS007-0612-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	126.6	189.8
115	59.2	50.7	76.1

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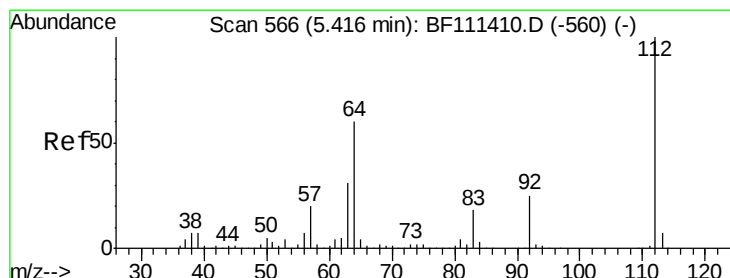
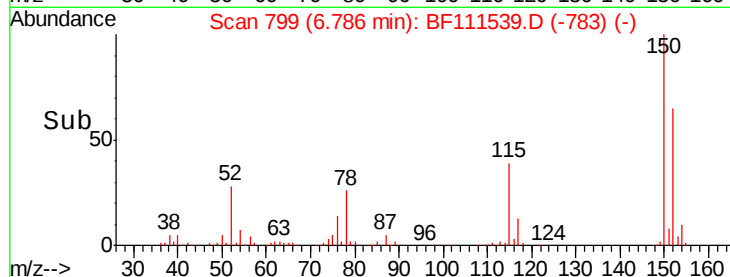
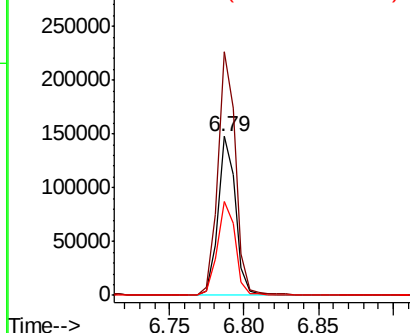


Abundance

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: 103.075 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF111539.D
 Acq: 17 Dec 2018 15:07

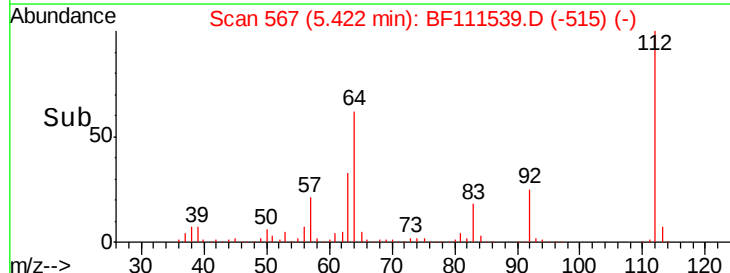
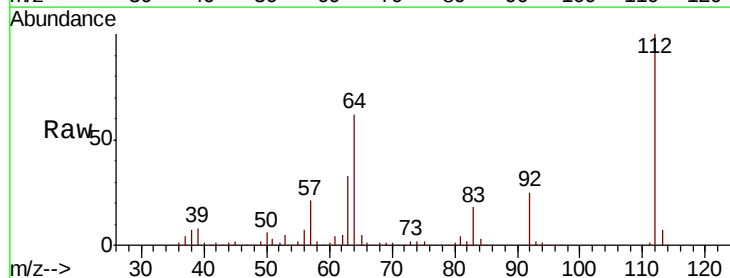
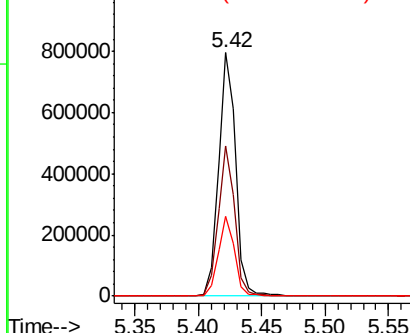
Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.7	51.8	77.6
63	32.9	26.8	40.2

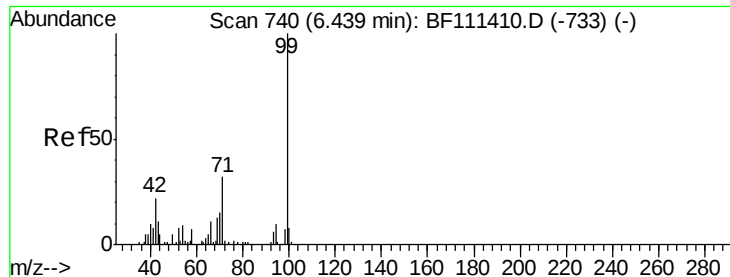
Abundance

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: 94.052 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF111539.D

Acq: 17 Dec 2018 15:07

Instrument :

BNA_F

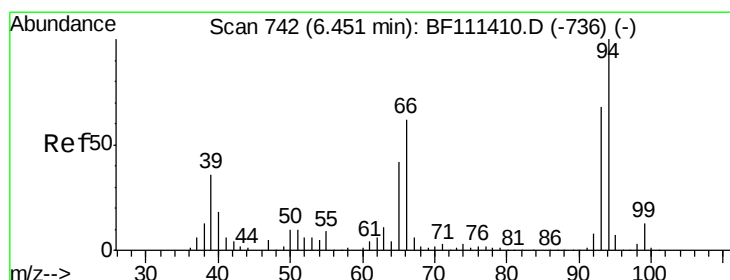
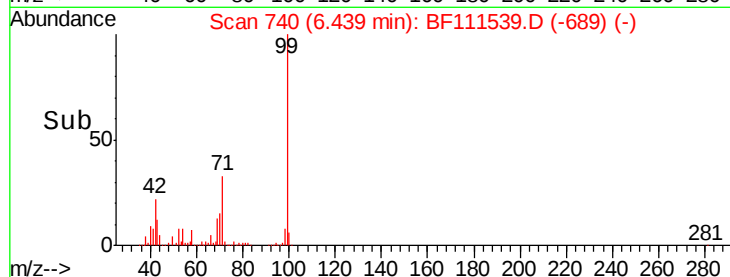
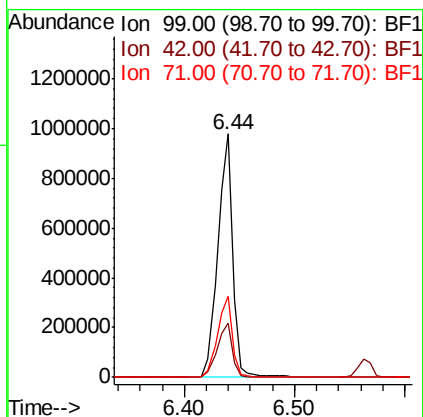
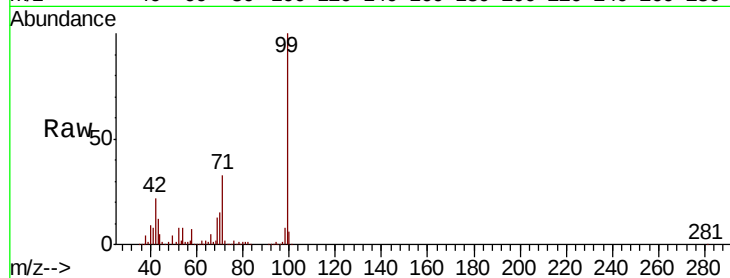
ClientSampleId :

P001-SS007-0612-01

Tot Ion:	99	Resp:	918332
Ion	Ratio	Lower	Upper
99	100		
42	22.5	17.4	26.0
71	33.2	26.1	39.1

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#10

Phenol

Concen: 7.228 ng

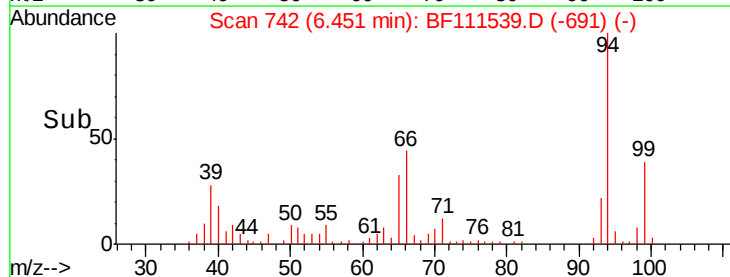
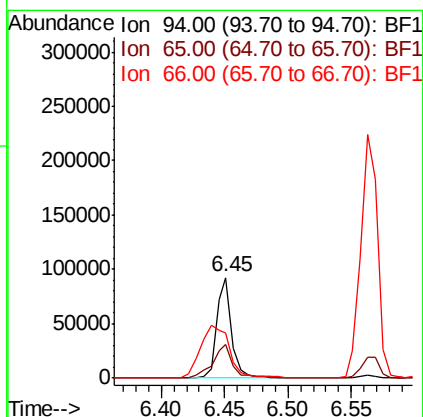
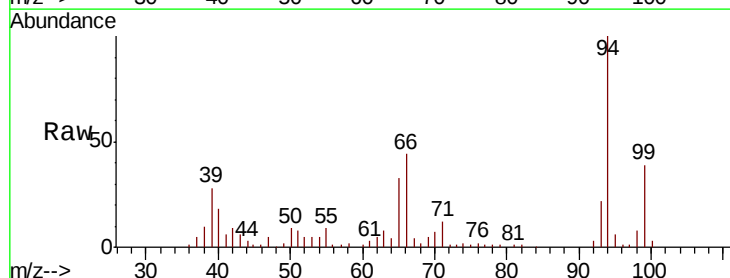
RT: 6.45 min Scan# 742

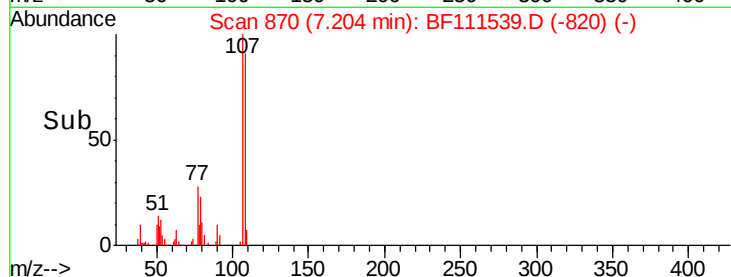
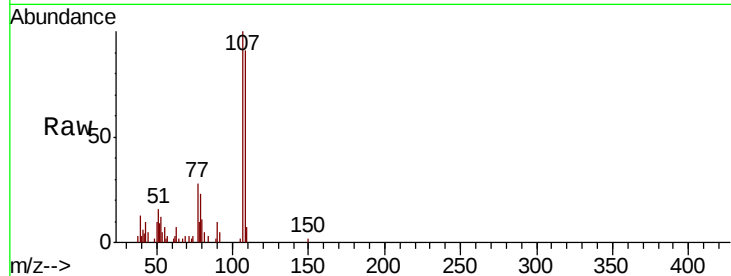
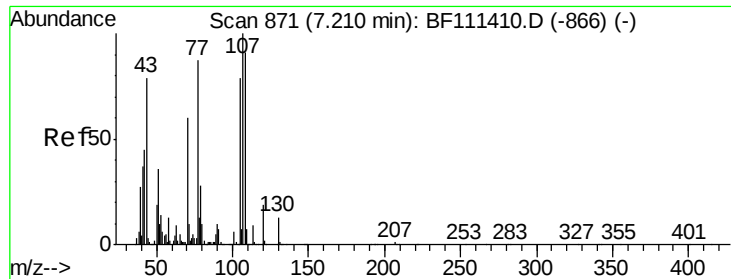
Delta R.T. -0.00 min

Lab File: BF111539.D

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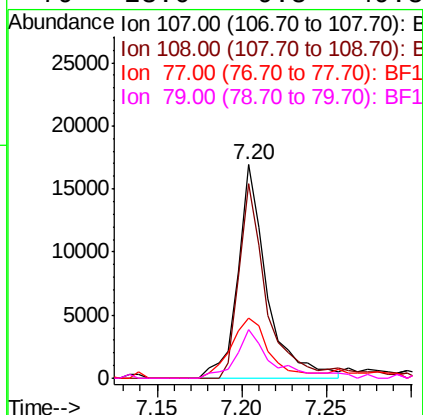
Tgt Ion:	94	Resp:	78616
Ion	Ratio	Lower	Upper
94	100		
65	33.3	11.7	51.7
66	44.4	21.0	61.0





#20
3+4-Methylphenols
Concen: 2.284 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

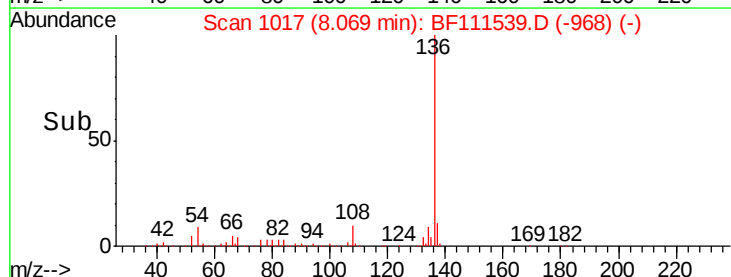
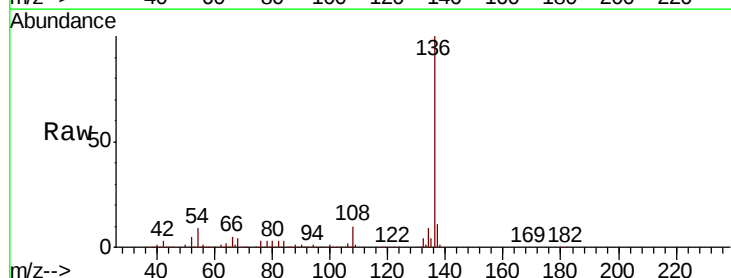
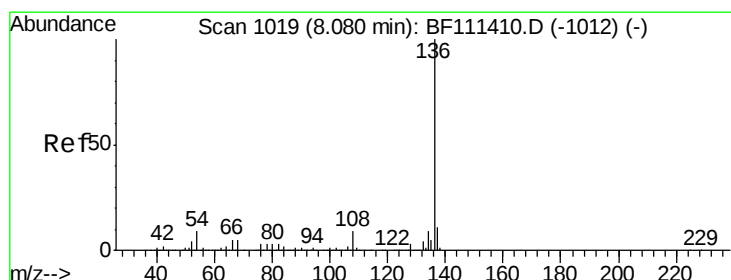
Tot Ion	Ratio	Lower	Upper
107	100		
108	91.1	72.1	112.1
77	28.0	94.1	134.1#
79	23.0	9.8	49.8



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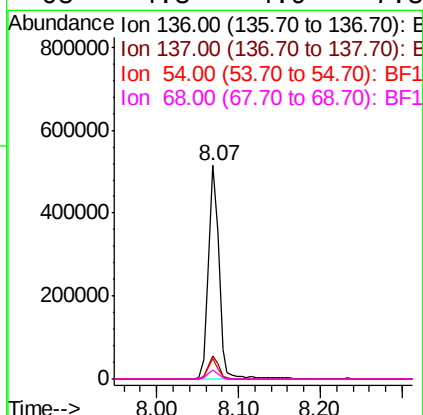
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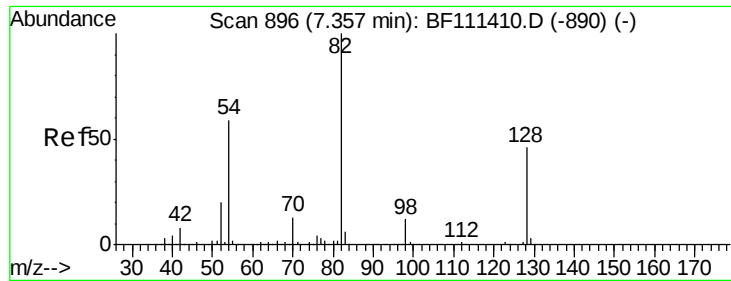
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	9.5	7.7	11.5
68	4.3	4.9	7.3#





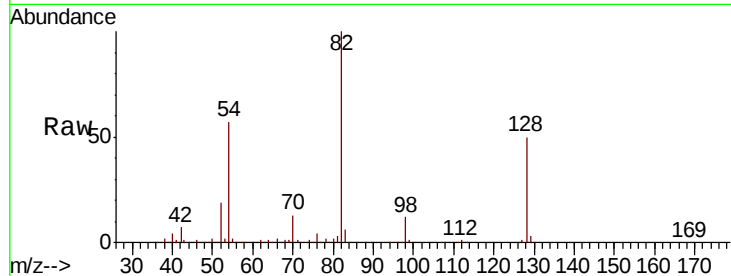
#23
Nitrobenzene-d5
Concen: 73.068 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Instrument :
BNA_F
ClientSampleId :
P001-SS007-0612-01

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	49.5	37.4	56.2	
54	57.3	47.6	71.4	

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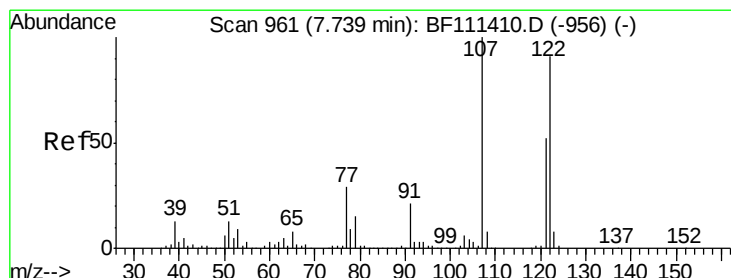
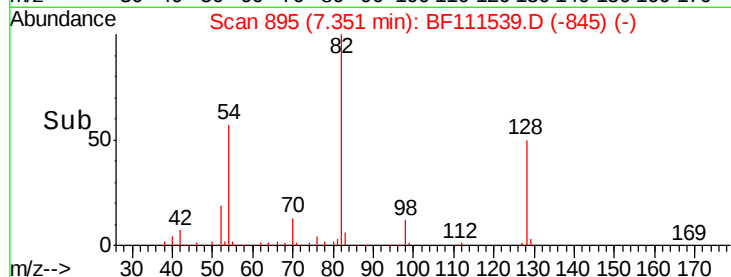
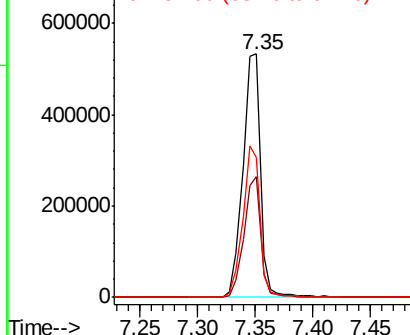


Abundance

Ion 82.00 (81.70 to 82.70): BF1

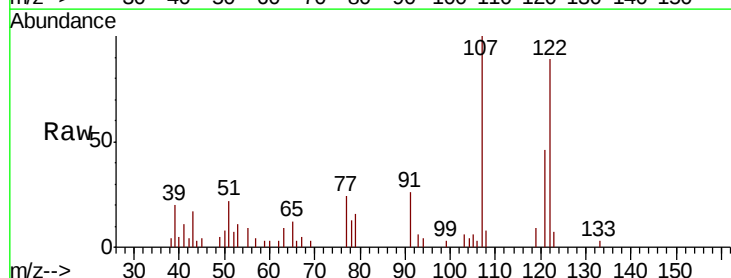
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#27
2,4-Dimethylphenol
Concen: 2.059 ng
RT: 7.73 min Scan# 959
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
107	112.0	85.5	128.3	
121	51.4	46.6	70.0	

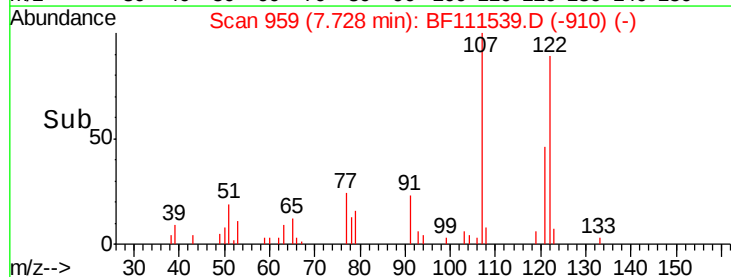
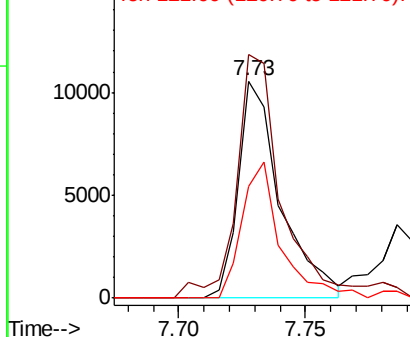


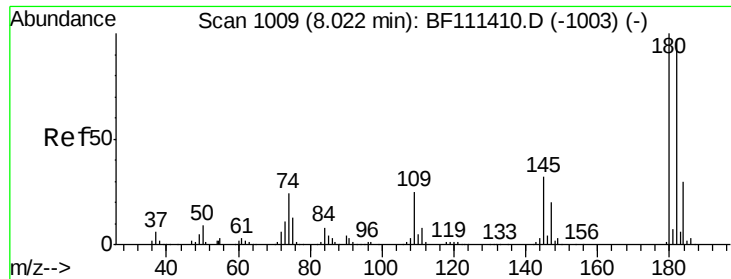
Abundance

Ion 122.00 (121.70 to 122.70): BF1

Ion 107.00 (106.70 to 107.70): BF1

Ion 121.00 (120.70 to 121.70): BF1





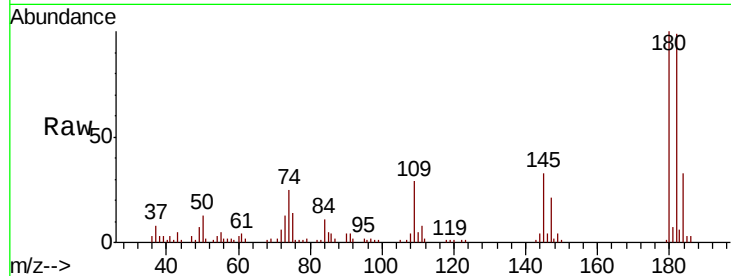
#30
1,2,4-Trichlorobenzene
Concen: 5.602 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Instrument :
BNA_F
ClientSampleId :
P001-SS007-0612-01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.2	75.6	113.4
145	32.6	26.7	40.1

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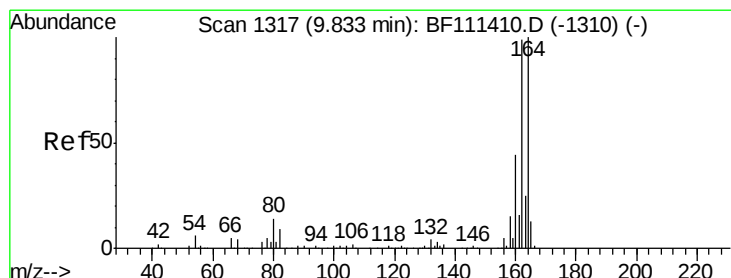
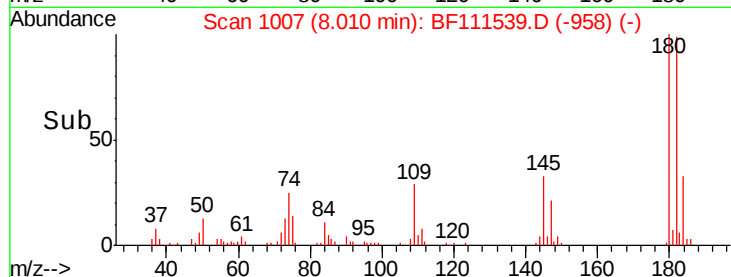
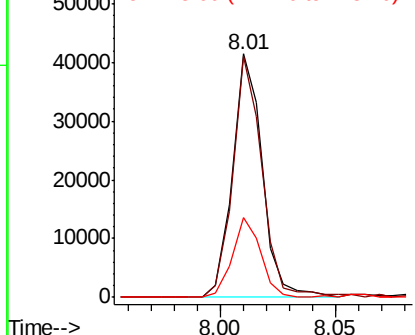


Abundance

Ion 180.00 (179.70 to 180.70): E

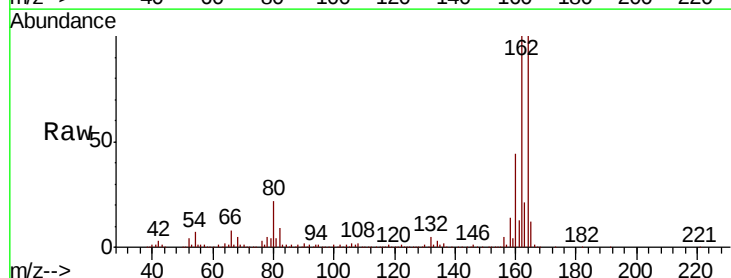
Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.5	81.4	122.0
160	43.6	35.7	53.5

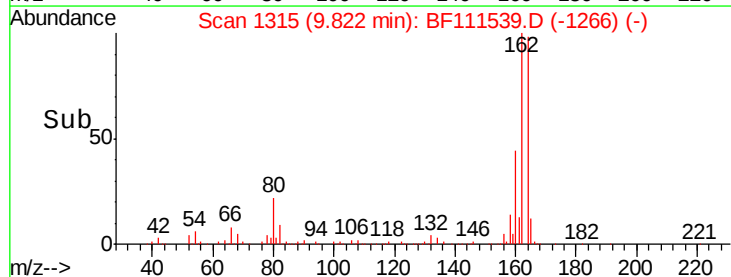
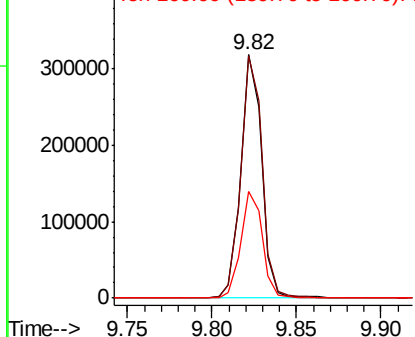


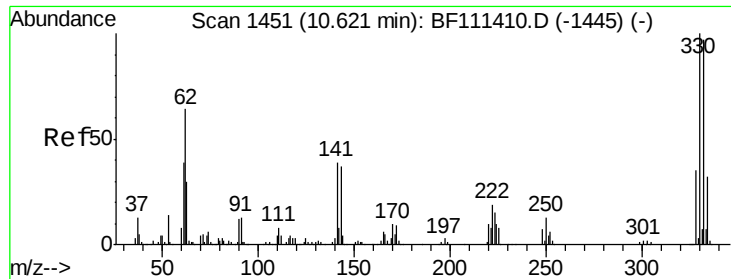
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





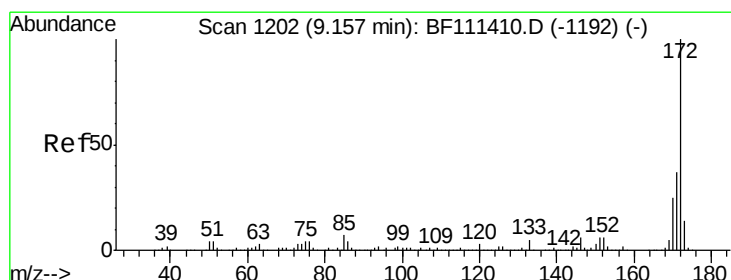
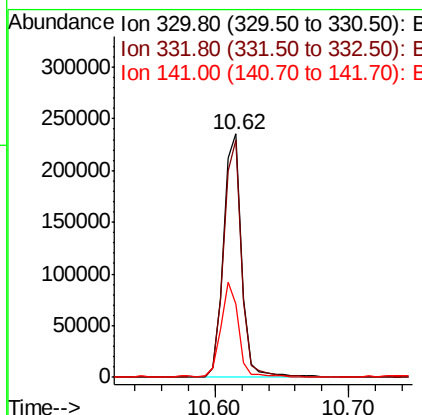
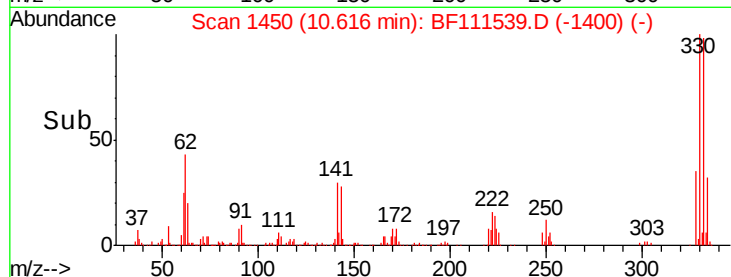
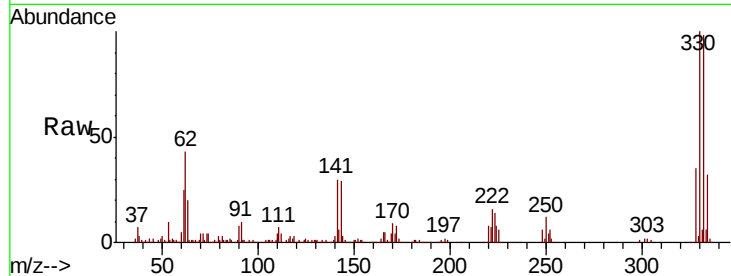
#42
 2,4,6-Tribromophenol
 Concen: 92.302 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111539.D
 Acq: 17 Dec 2018 15:07

Instrument :
 BNA_F
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 P001-SS007-0612-01

Tot Ion	Ratio	Resp	Lower	Upper
330	100	227175		
332	96.6	76.0	114.0	
141	36.7	31.0	46.6	

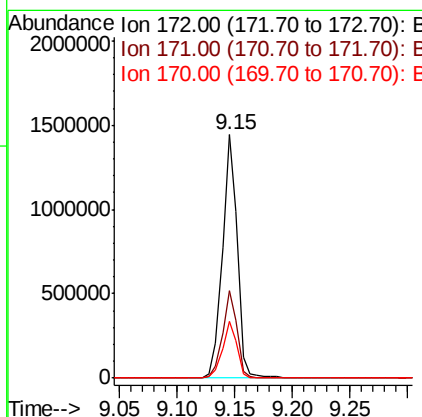
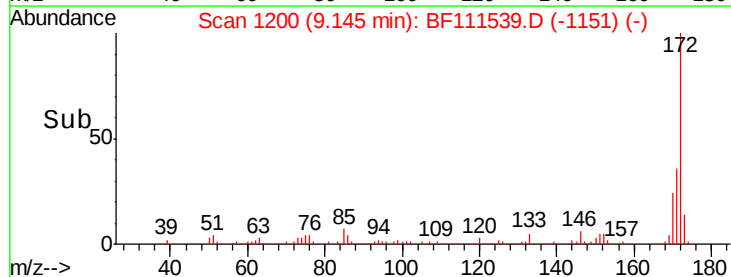
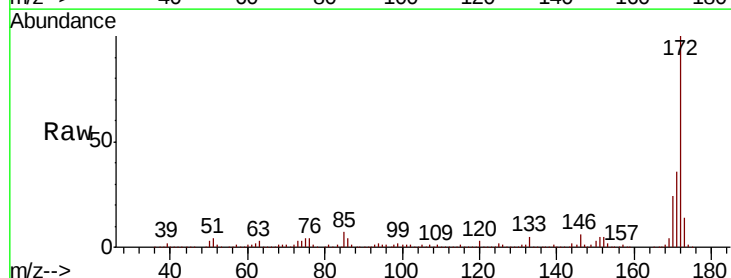
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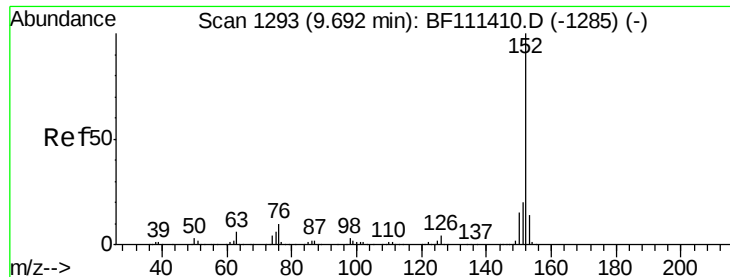
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#45
 2-Fluorobiphenyl
 Concen: 72.892 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF111539.D
 Acq: 17 Dec 2018 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1296578		
171	36.1	33.0	49.4	
170	23.6	22.3	33.5	





#49

Acenaphthylene

Concen: 2.987 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BF111539.D

Acq: 17 Dec 2018 15:07

Instrument :

BNA_F

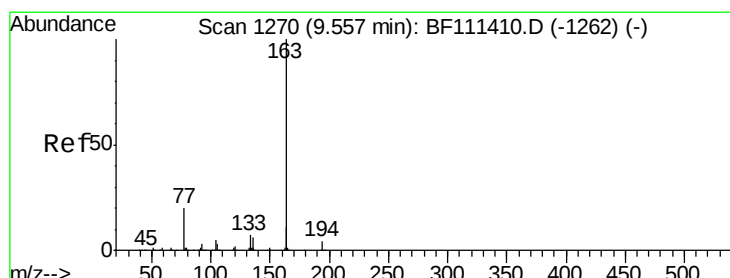
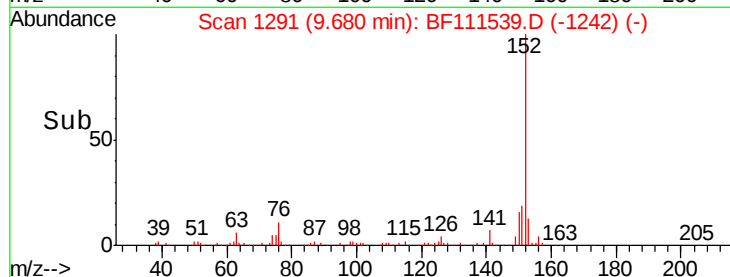
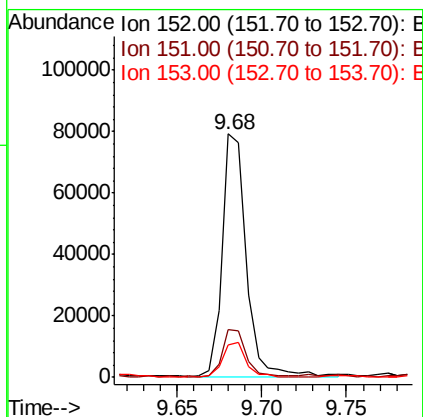
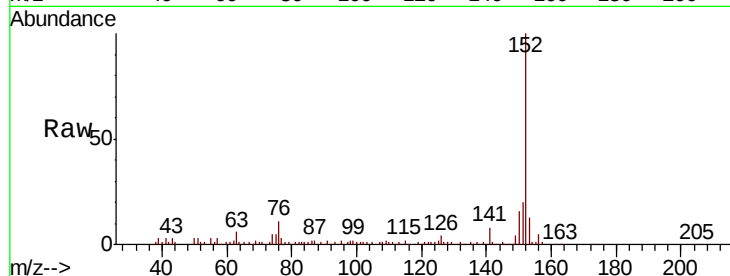
ClientSampleId :

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Tot Ion:	152	Resp:	78446
Ion Ratio	Lower	Upper	
152	100		
151	19.5	18.0	27.0
153	13.2	12.3	18.5

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#50

Dimethylphthalate

Concen: 4.450 ng

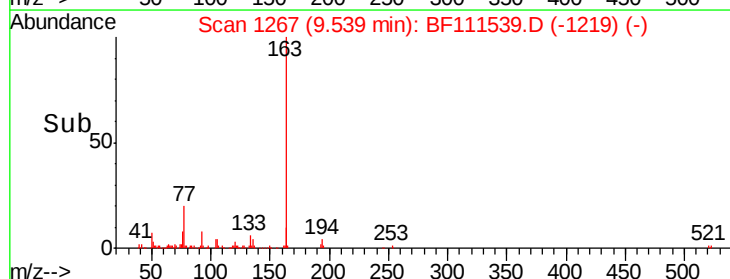
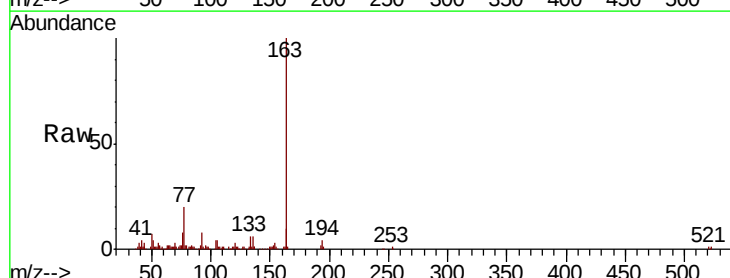
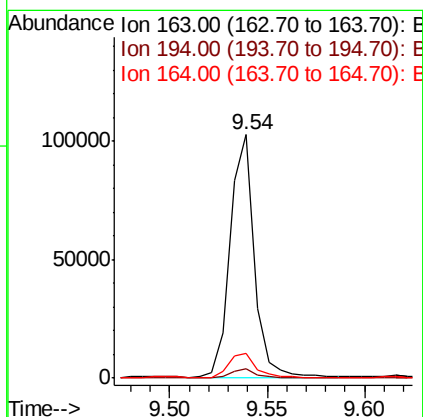
RT: 9.54 min Scan# 1267

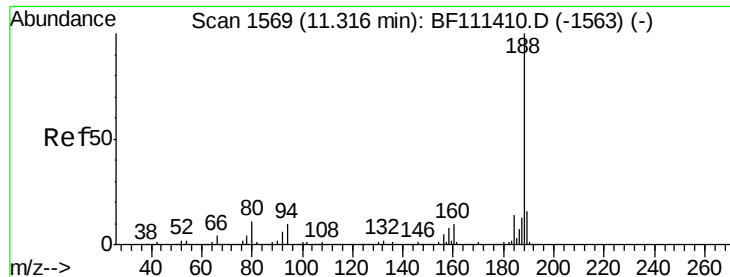
Delta R.T. -0.02 min

Lab File: BF111539.D

Acq: 17 Dec 2018 15:07

Tgt Ion:	163	Resp:	88053
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.0	4.6
164	10.3	8.9	13.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF111539.D

Acq: 17 Dec 2018 15:07

Instrument :

BNA_F

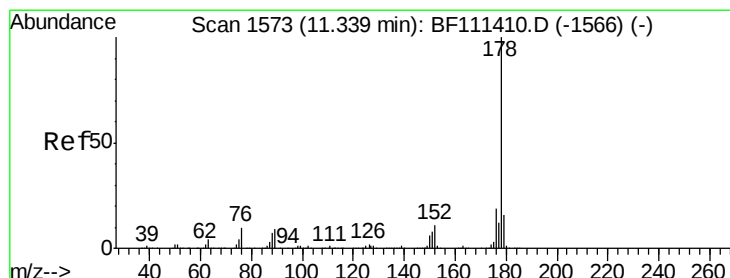
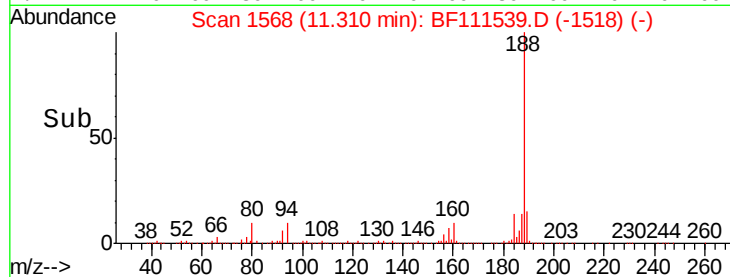
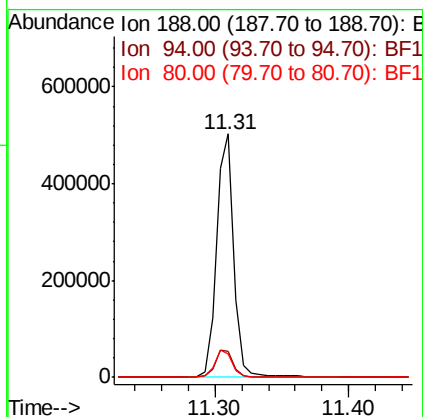
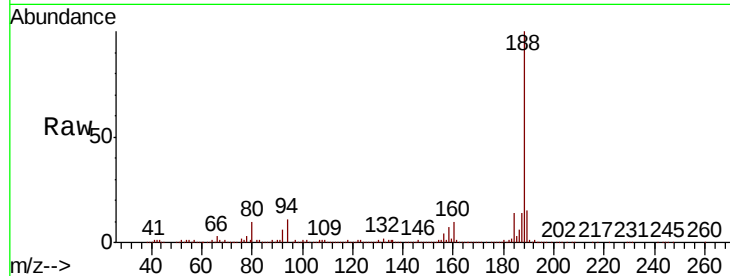
ClientSampleId :

P001-SS007-0612-01

Tot Ion:	188	Resp:	456277
Ion Ratio	Lower	Upper	
188	100		
94	10.6	9.6	14.4
80	9.9	9.8	14.6

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#71

Phenanthrene

Concen: 9.500 ng

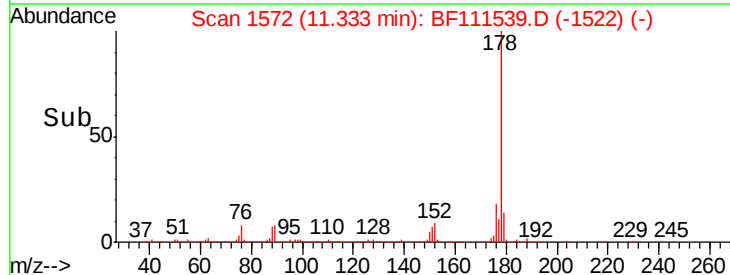
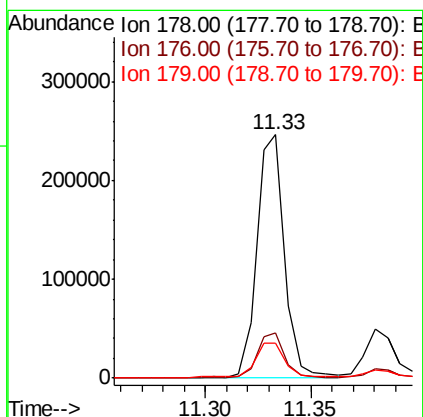
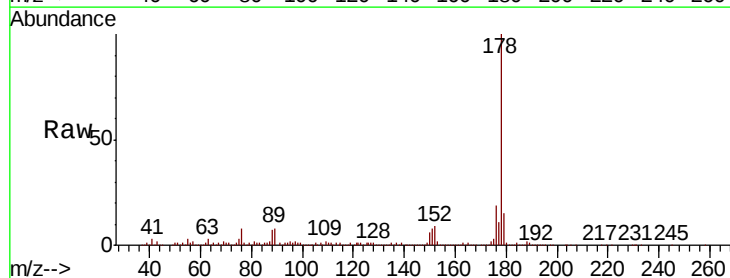
RT: 11.33 min Scan# 1572

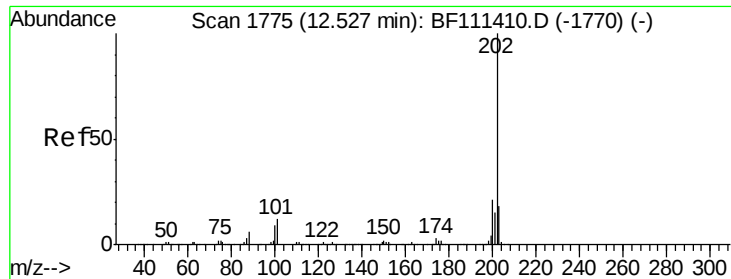
Delta R.T. -0.01 min

Lab File: BF111539.D

Acq: 17 Dec 2018 15:07

Tgt Ion:	178	Resp:	223366
Ion Ratio	Lower	Upper	
178	100		
176	18.7	18.1	27.1
179	14.5	14.0	21.0





#75

Fluoranthene

Concen: 7.455 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111539.D

Acq: 17 Dec 2018 15:07

Instrument :

BNA_F

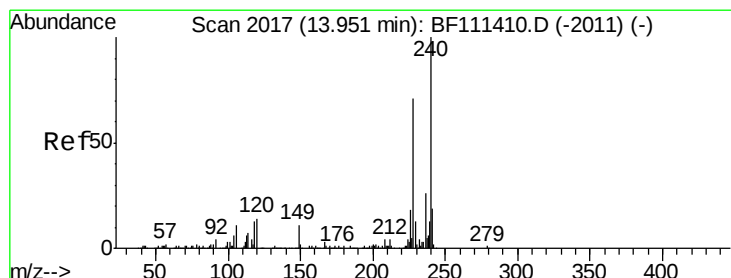
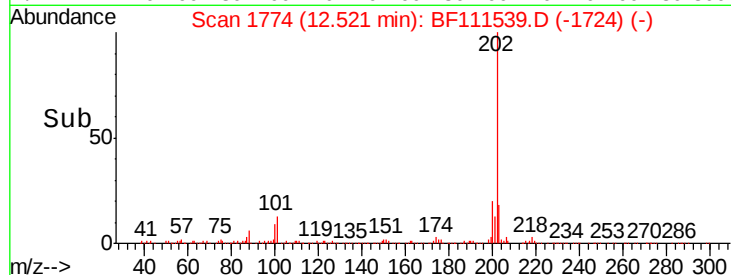
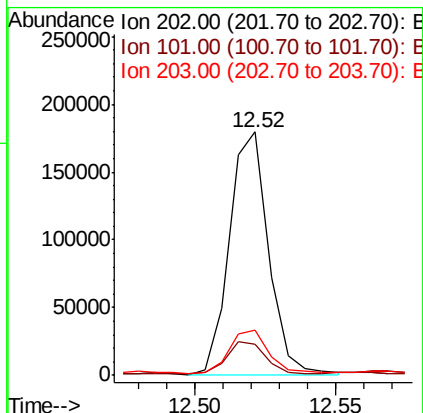
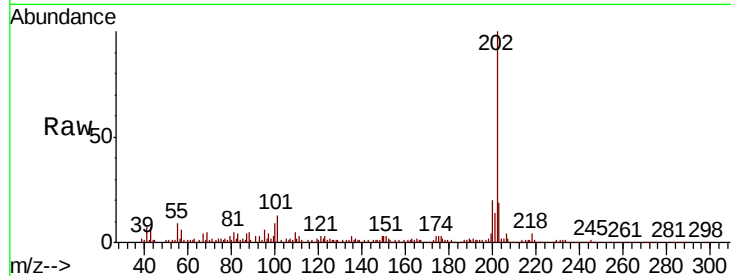
ClientSampleId :

P001-SS007-0612-01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		171477		
101	12.9	0.0	33.8		
203	18.6	0.0	38.6		

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#76

Chrysene-d12

Concen: 20.000 ng

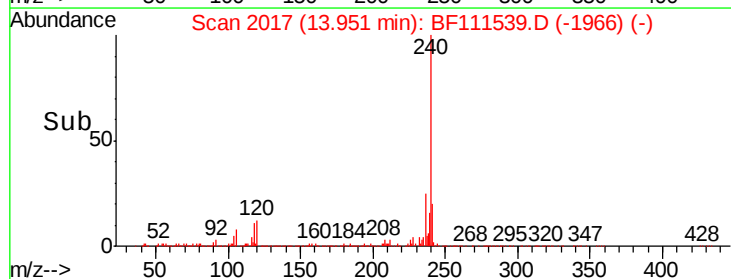
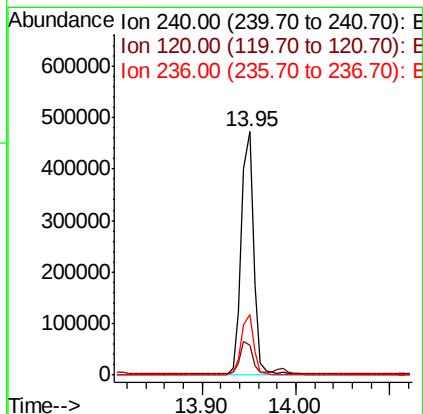
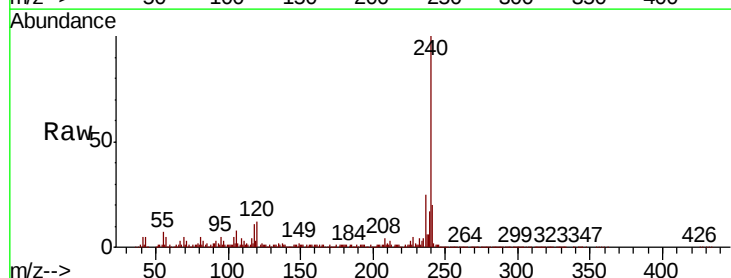
RT: 13.95 min Scan# 2017

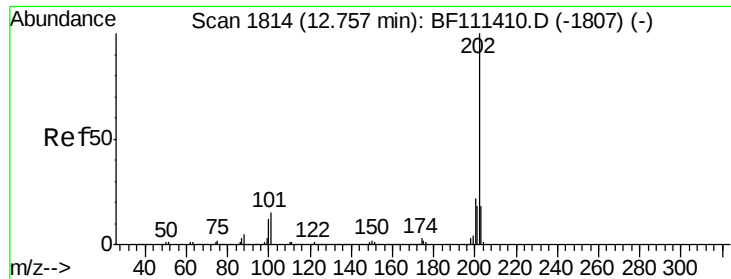
Delta R.T. -0.00 min

Lab File: BF111539.D

Acq: 17 Dec 2018 15:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		439354		
120	12.3	12.2	18.2		
236	25.0	20.2	30.2		





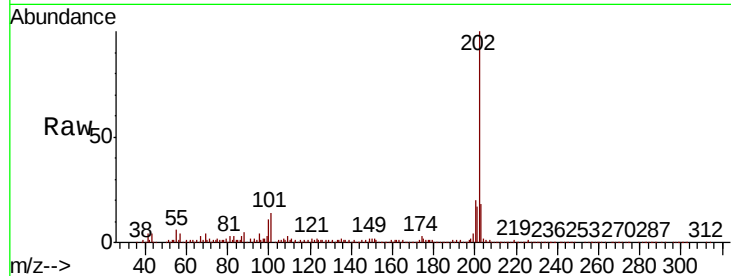
#78
Pvrene
Concen: 9.737 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Instrument :
BNA_F
ClientSampleId :
P001-SS007-0612-01

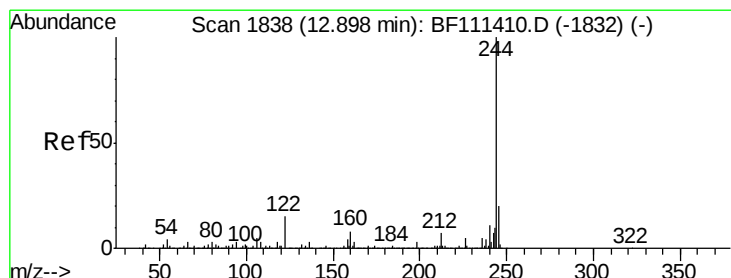
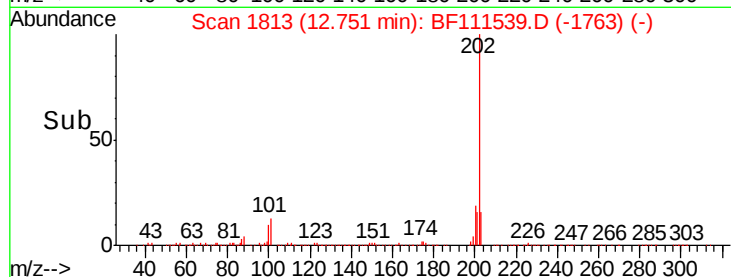
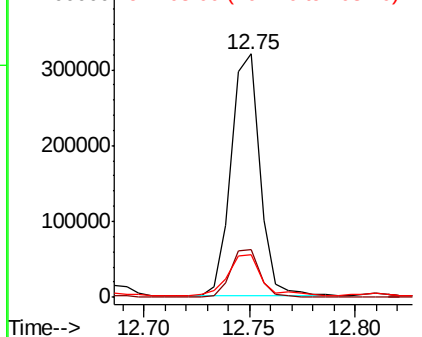
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	19.6	19.0	28.4		
203	17.6	15.2	22.8		

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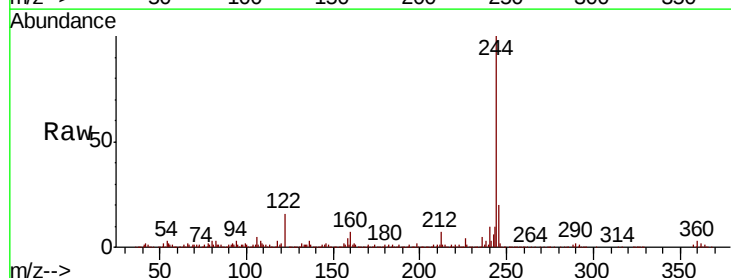


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

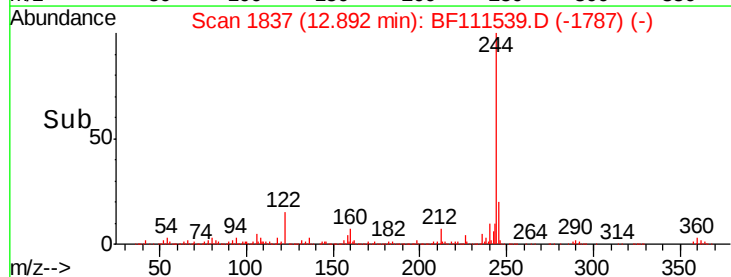
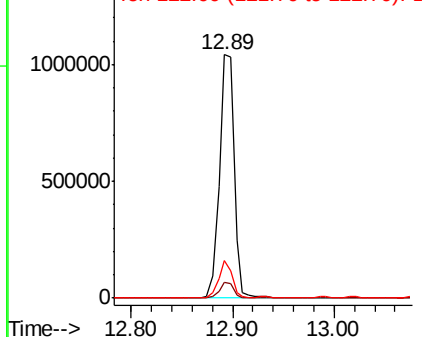


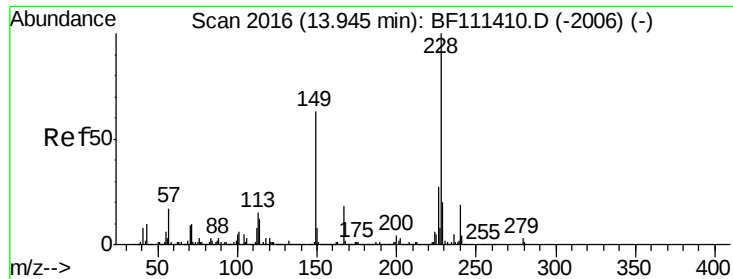
#79
Terphenyl-d14
Concen: 56.152 ng
RT: 12.89 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	6.6	5.7	8.5		
122	15.6	13.1	19.7		



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 4.322 ng m

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF111539.D

Acq: 17 Dec 2018 15:07

Instrument :

BNA_F

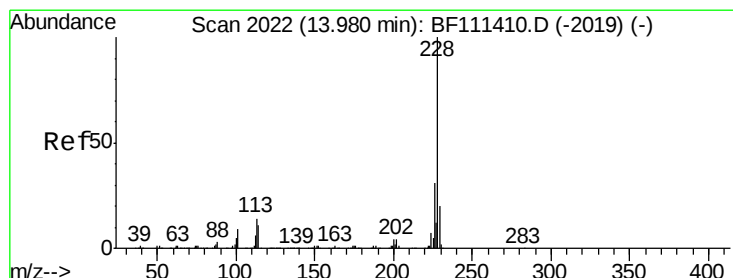
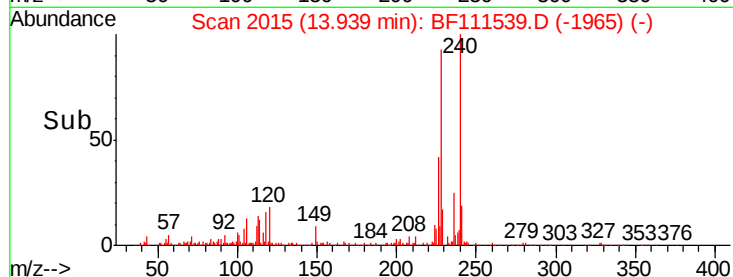
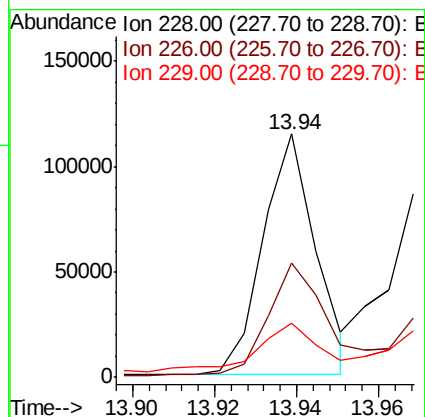
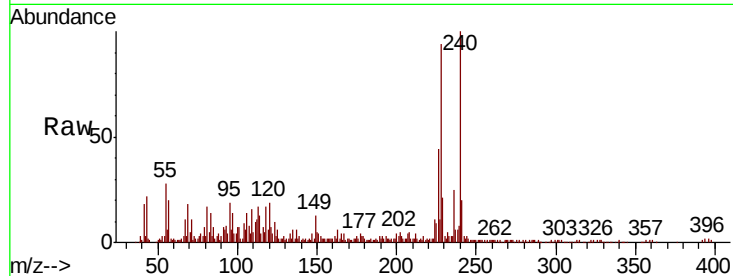
ClientSampleId :

P001-SS007-0612-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	46.9	22.6	34.0#
229	22.3	16.3	24.5

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#83

Chrysene

Concen: 4.687 ng

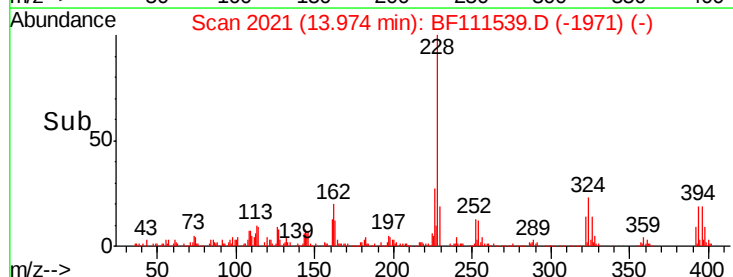
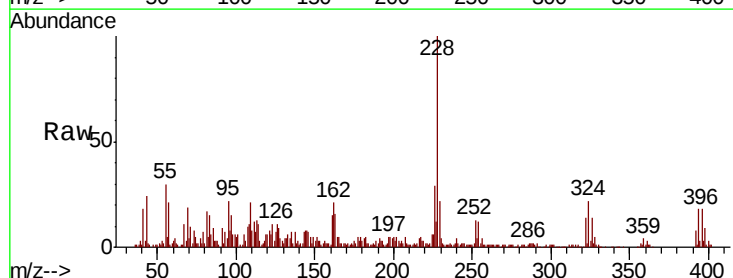
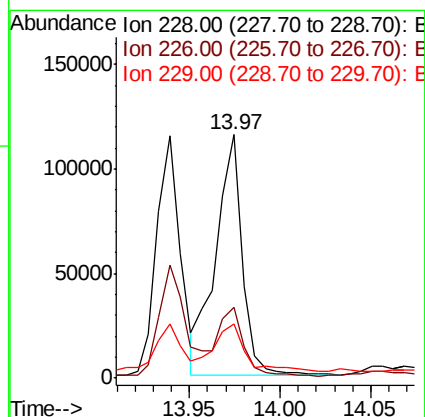
RT: 13.97 min Scan# 2021

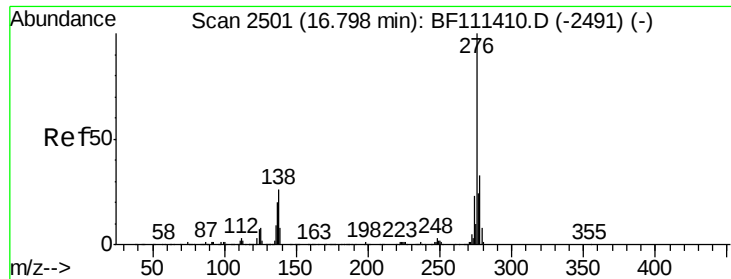
Delta R.T. -0.01 min

Lab File: BF111539.D

Acq: 17 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.3	37.9
229	22.1	17.2	25.8





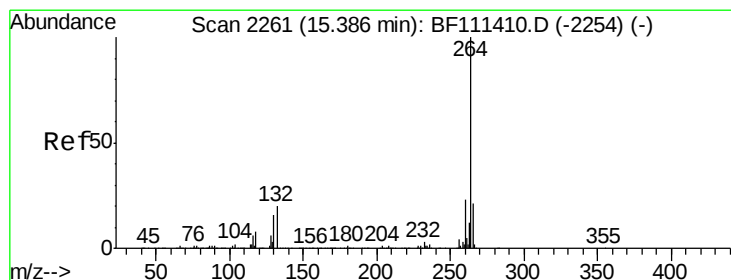
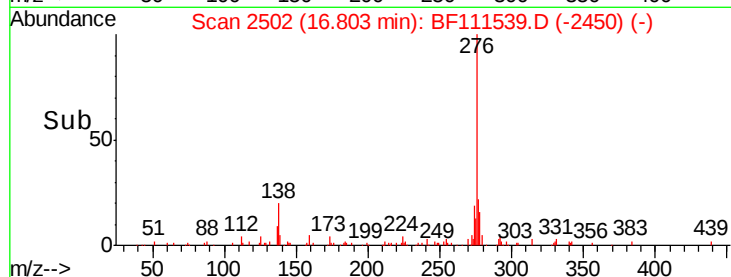
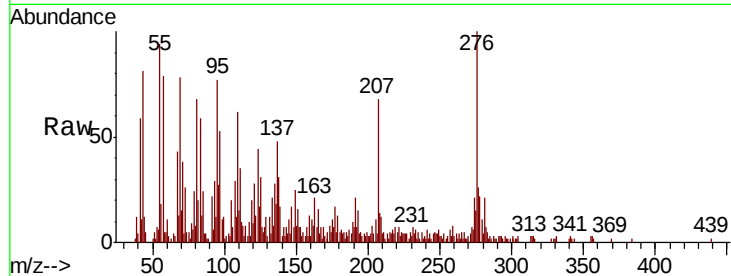
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.083 ng
RT: 16.80 min Scan# 2502
Delta R.T. 0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Instrument :
BNA_F
ClientSampleId :
P001-SS007-0612-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.5	27.8	41.6
277	23.9	20.1	30.1

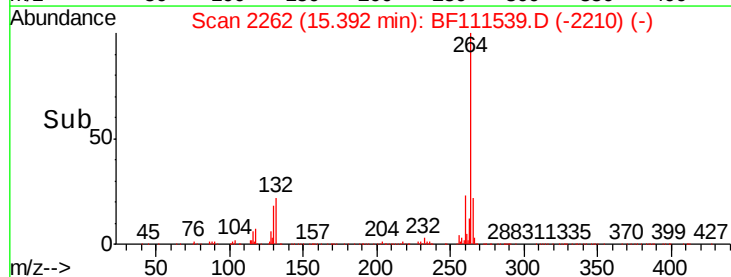
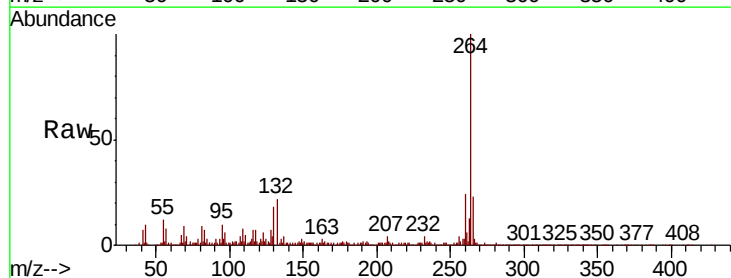
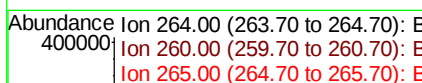
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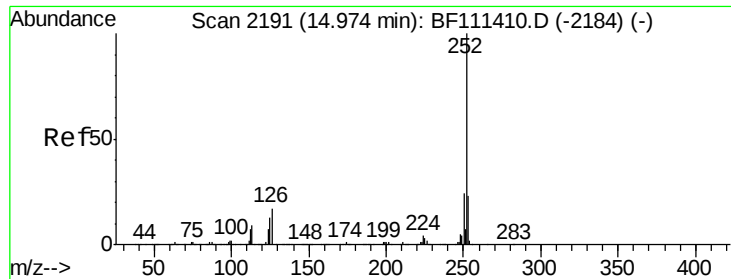
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.3	27.5
265	22.6	17.7	26.5





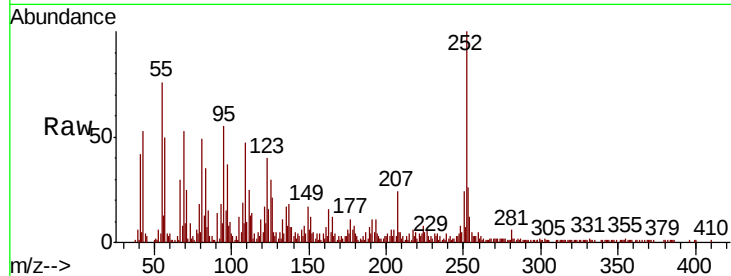
#88
Benzo(b)fluoranthene
Concen: 4.341 ng m
RT: 14.97 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Instrument :
BNA_F
ClientSampleId :
P001-SS007-0612-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.2	27.2
125	29.9	10.4	15.6

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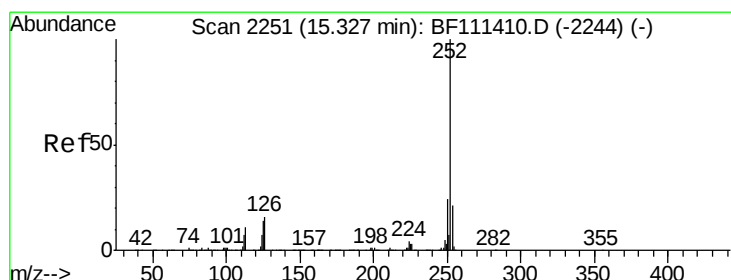
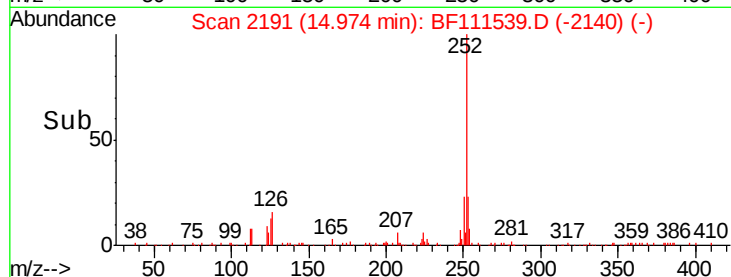
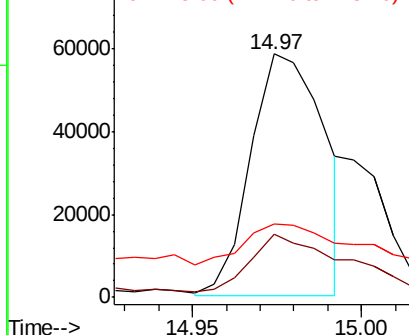


Abundance

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



#90
Benzo(a)pyrene
Concen: 4.960 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.00 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

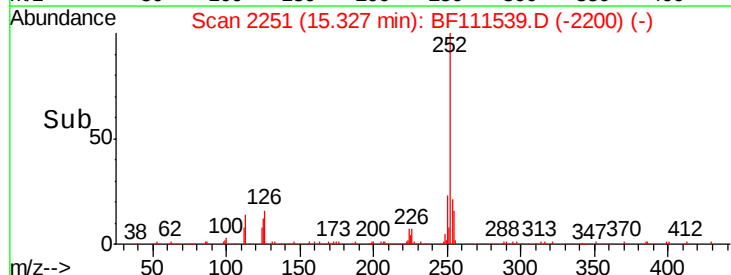
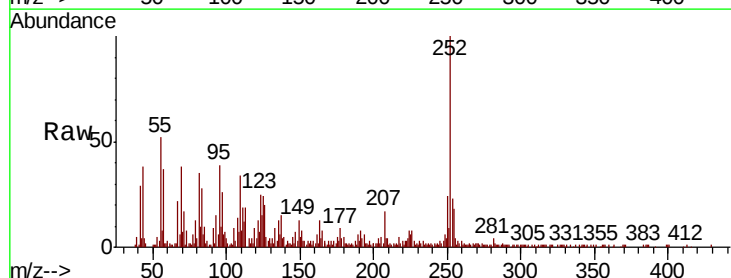
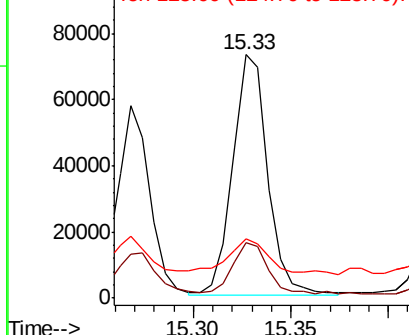
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	24.2	12.3	18.5

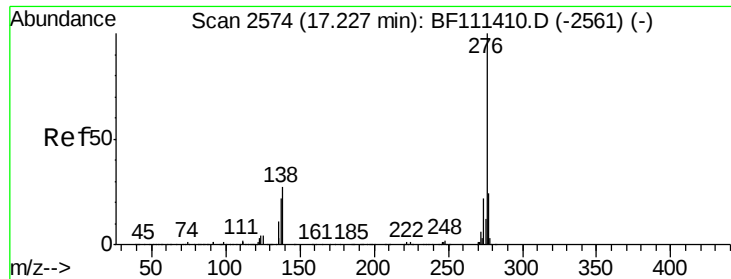
Abundance

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(a,h,i)perylene
 Concen: 3.462 ng
 RT: 17.23 min Scan# 2575
 Delta R.T. 0.01 min
 Lab File: BF111539.D
 Acq: 17 Dec 2018 15:07

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS007-0612-01

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.2	28.8
138	33.7	24.9	37.3

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