

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
 Data File : BF111556.D
 Acq On : 17 Dec 2018 23:12
 Operator : JU/SJ
 Sample : J6403-29
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-B

Manual Integrations
 APPROVED

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 12/18/2018 12:49:38 PM

Quant Time: Dec 18 06:57:10 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	118778	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	504754	20.00	ng	-0.01
39) Acenaphthene-d10	9.82	164	353451	20.00	ng	-0.01
64) Phenanthrene-d10	11.31	188	562495	20.00	ng	0.00
76) Chrysene-d12	13.94	240	358648	20.00	ng	0.00
87) Perylene-d12	15.39	264	335570	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	718690	100.69	ng	0.00
7) Phenol-d6	6.44	99	914364	96.30	ng	0.00
23) Nitrobenzene-d5	7.35	82	564473	66.59	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	278874	88.08	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1439892	62.93	ng	-0.01
79) Terphenyl-d14	12.89	244	1002928	65.67	ng	0.00
Target Compounds						
10) Phenol	6.45	94	56322	5.325	ng	91
31) Naphthalene	8.09	128	56079	2.375	ng	# 93
50) Dimethylphthalate	9.54	163	200313	7.869	ng	97
71) Phenanthrene	11.33	178	447987	15.456	ng	94
72) Anthracene	11.38	178	103208	3.482	ng	93
75) Fluoranthene	12.52	202	653244	23.038	ng	98
78) Pyrene	12.74	202	573405	22.677	ng	96
81) Benzo(a)anthracene	13.93	228	288860	14.813	ng	100
83) Chrysene	13.97	228	277548	13.510	ng	99
88) Benzo(b)fluoranthene	14.97	252	343182m	17.541	ng	
89) Benzo(k)fluoranthene	15.00	252	131000m	7.008	ng	
90) Benzo(a)pyrene	15.32	252	246013	13.945	ng	96
91) Dibenzo(a,h)anthracene	16.80	278	32798	2.357	ng	# 91
92) Benzo(a,h,i)perylene	17.23	276	109154	7.990	ng	96

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

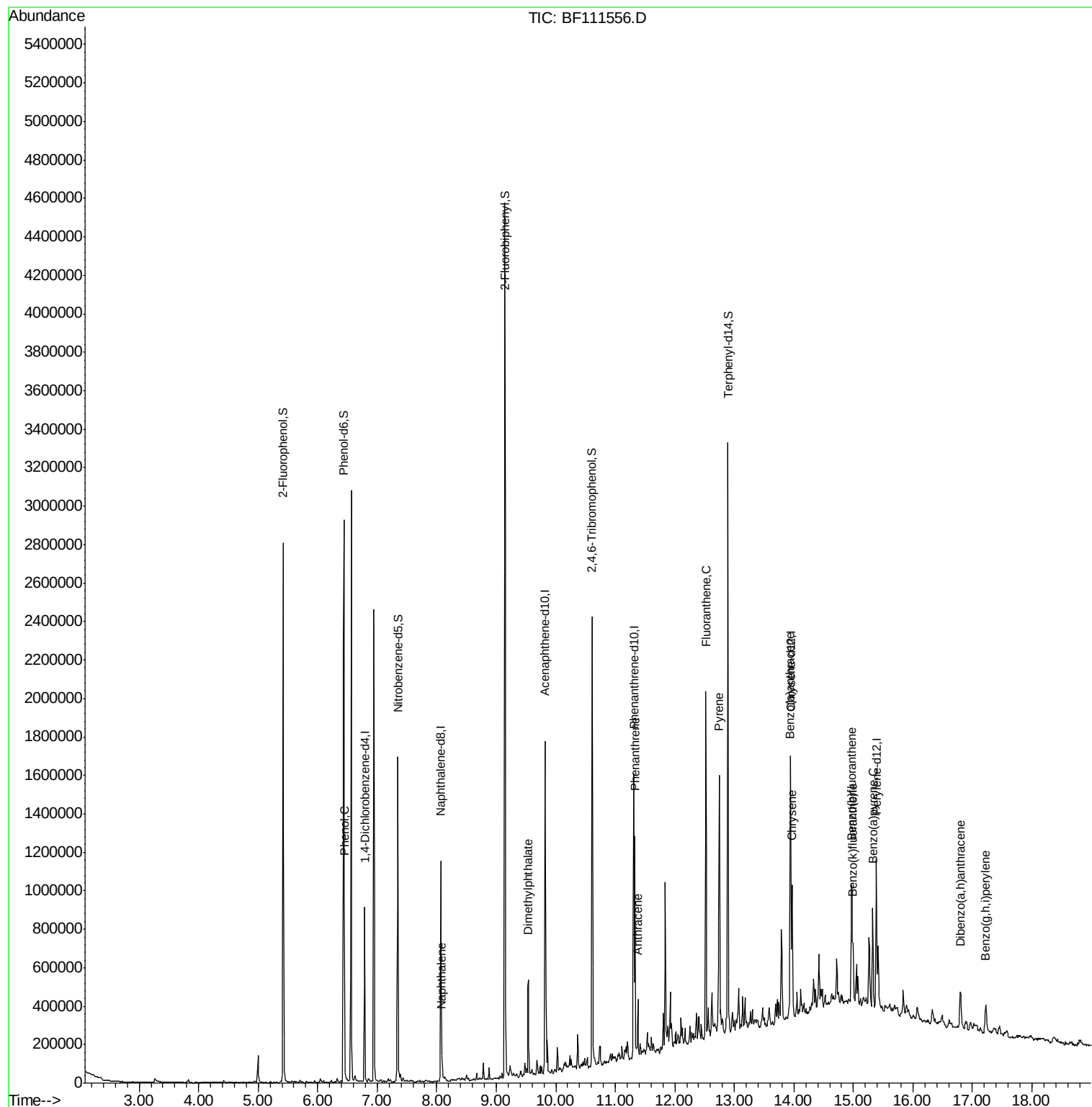
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111556.D
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Operator : JU/SJ
Sample : J6403-29
Misc :
ALS Vial : 17 Sample Multiplier: 1

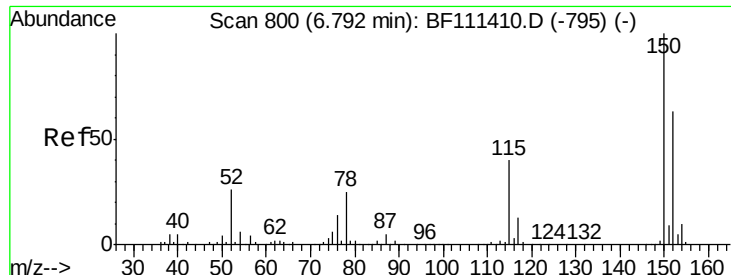
Instrument :
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TP-4-B

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#1

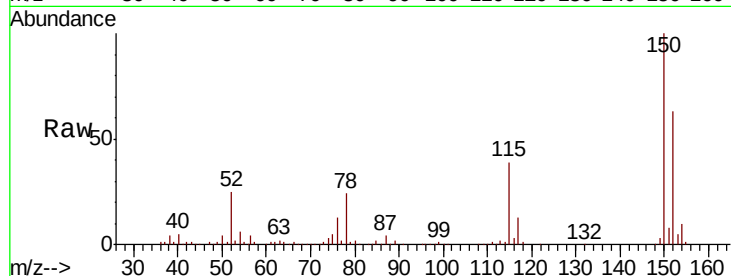
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF111556.D
Acq: 17 Dec 2018 23:12

Instrument :
BNA_F
ClientSampleId :
TP-4-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	126.6	189.8
115	62.4	50.7	76.1

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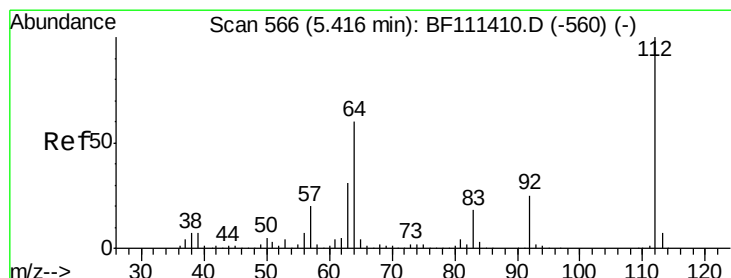
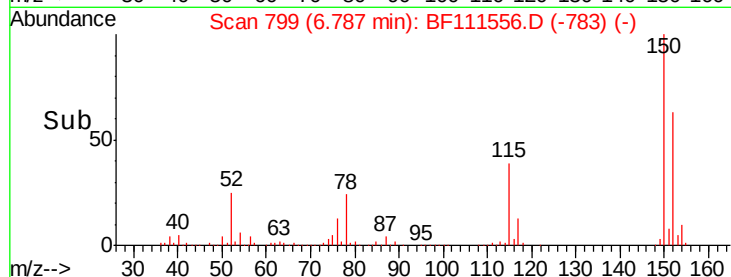
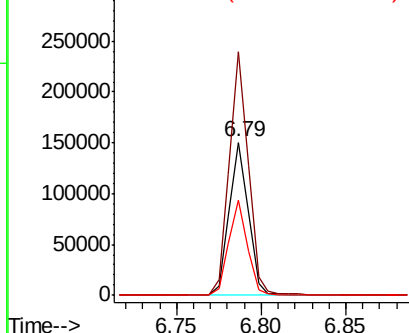


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

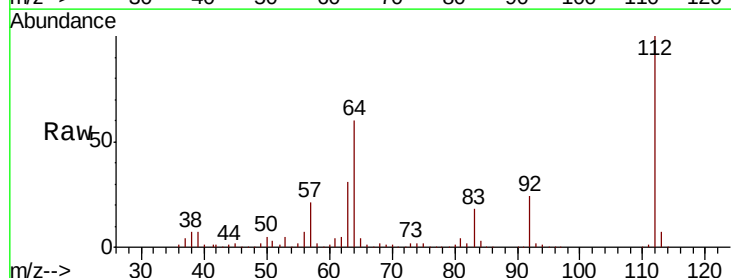
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 100.687 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF111556.D
Acq: 17 Dec 2018 23:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	51.8	77.6
63	31.3	26.8	40.2

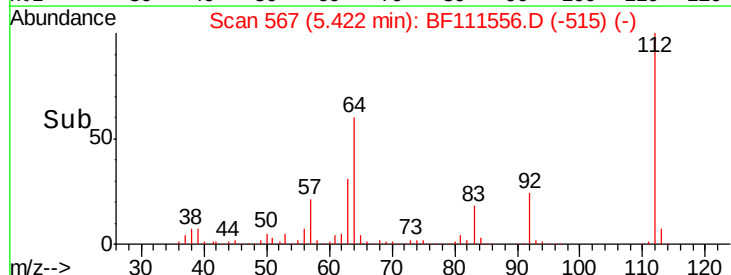
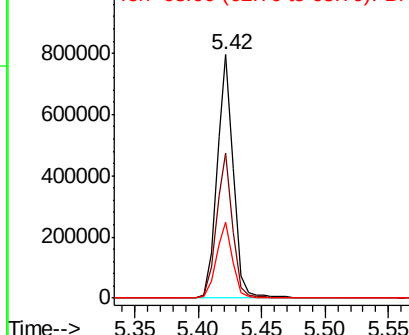


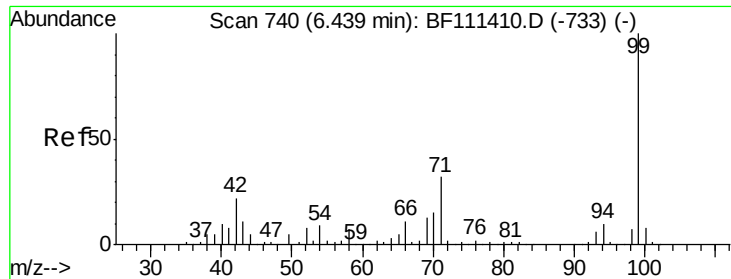
Abundance

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: 96.304 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111556.D

Acq: 17 Dec 2018 23:12

Instrument :

BNA_F

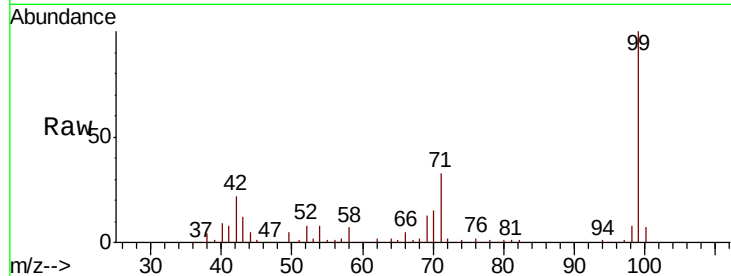
ClientSampled :

TP-4-B

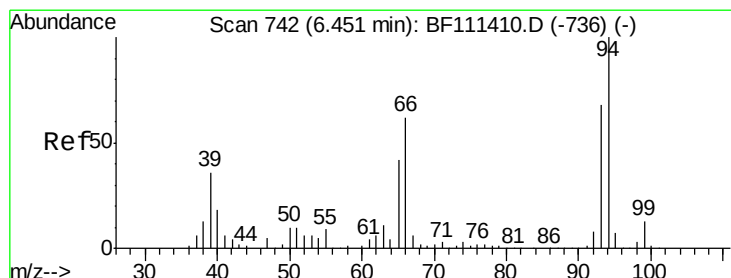
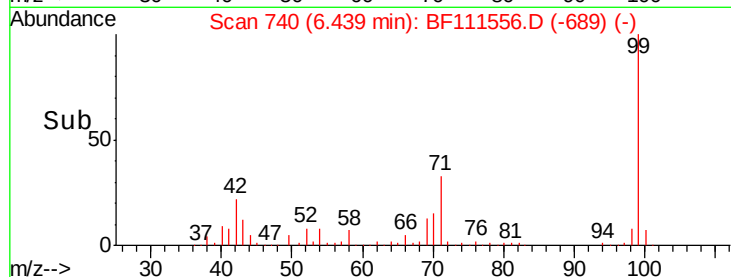
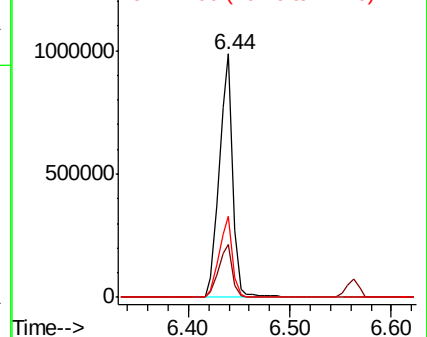
Tot Ion:	99	Resp:	914364
Ion	Ratio	Lower	Upper
99	100		
42	21.9	17.4	26.0
71	33.5	26.1	39.1

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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



#10

Phenol

Concen: 5.325 ng

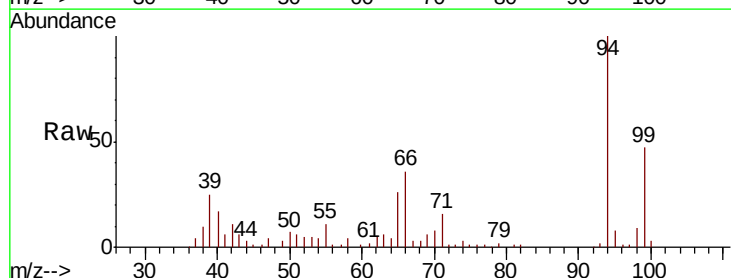
RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

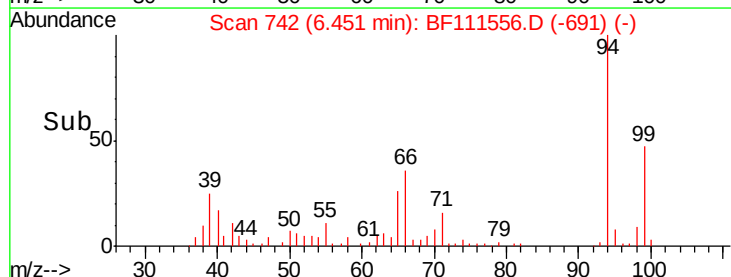
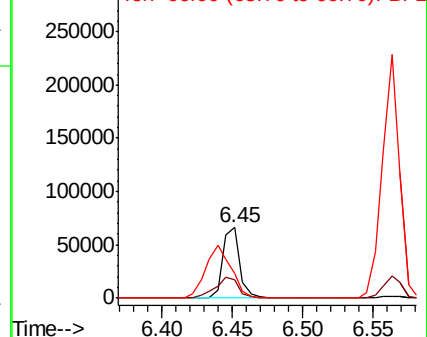
Lab File: BF111556.D

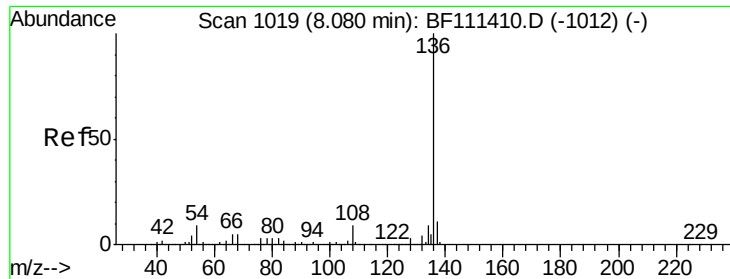
Acq: 17 Dec 2018 23:12

Tgt Ion:	94	Resp:	56322
Ion	Ratio	Lower	Upper
94	100		
65	26.1	11.7	51.7
66	35.9	21.0	61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





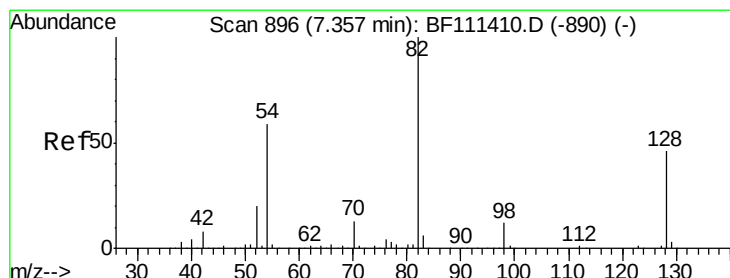
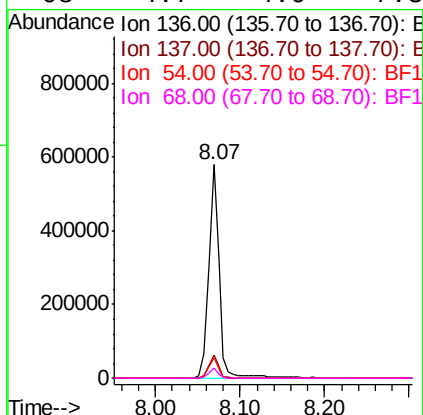
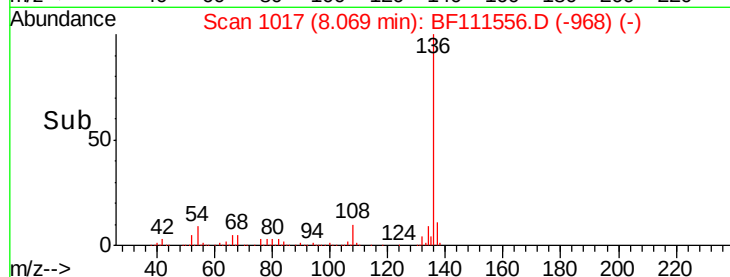
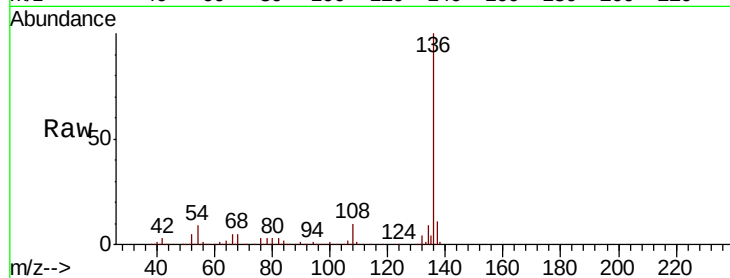
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF111556.D
Acq: 17 Dec 2018 23:12

Instrument :
BNA_F
ClientSampleId :
TP-4-B

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	9.3	7.7	11.5
68	4.7	4.9	7.3#

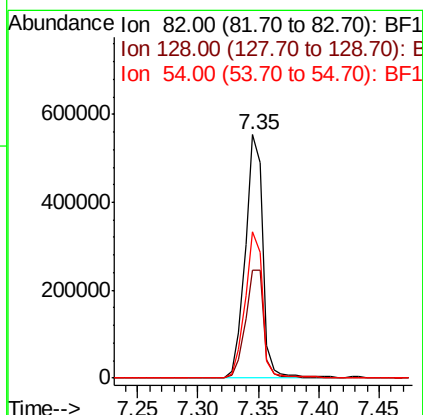
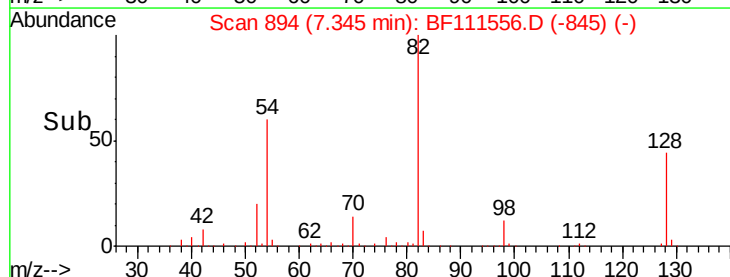
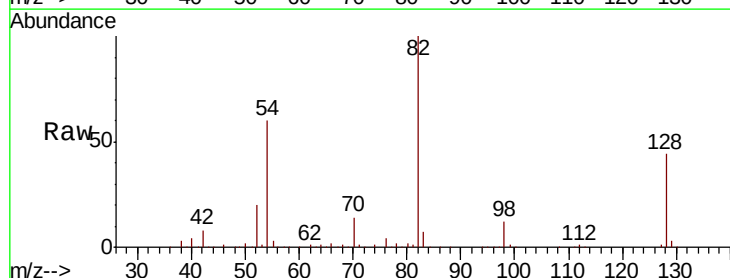
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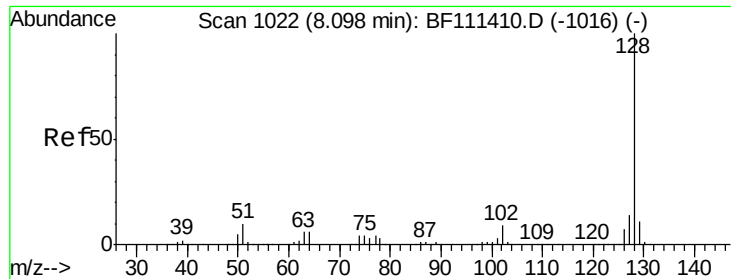
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#23
Nitrobenzene-d5
Concen: 66.594 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF111556.D
Acq: 17 Dec 2018 23:12

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.4	37.4	56.2
54	60.1	47.6	71.4





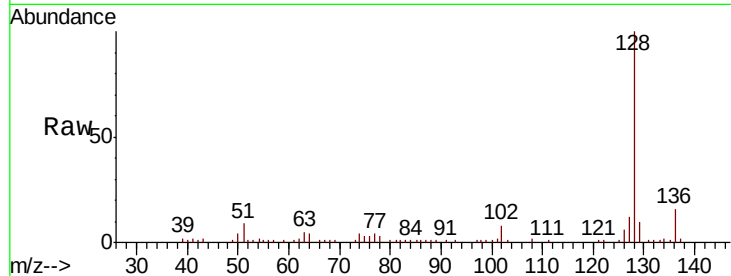
#31
Naphthalene
Concen: 2.375 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF111556.D
Acq: 17 Dec 2018 23:12

Instrument :
BNA_F
ClientSampleId :
TP-4-B

Tot Ion	Ratio	Lower	Upper
128	100		
129	9.7	9.8	14.8#
127	11.8	12.0	18.0#

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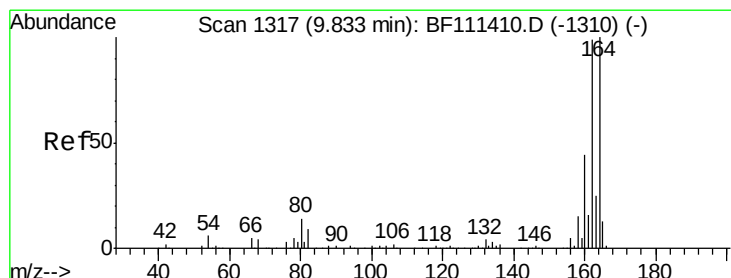
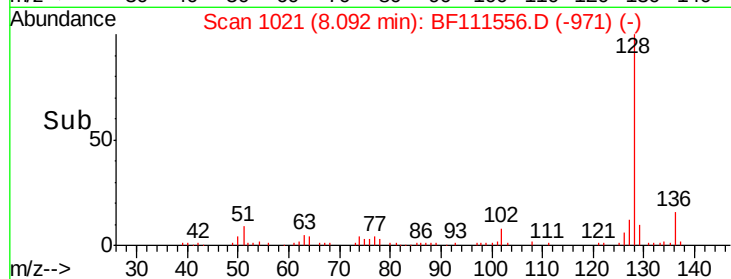
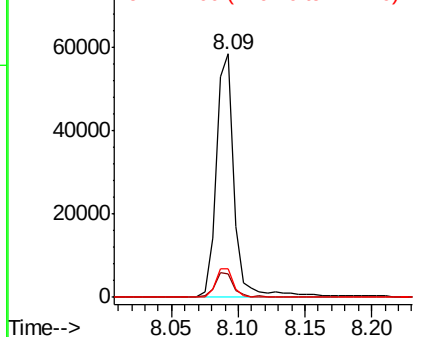


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF111556.D
Acq: 17 Dec 2018 23:12

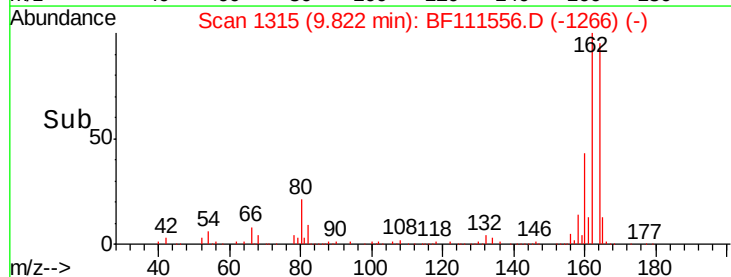
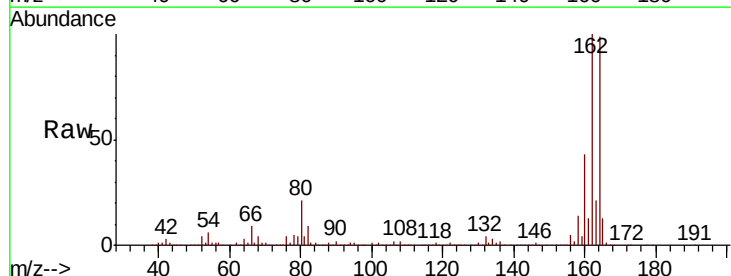
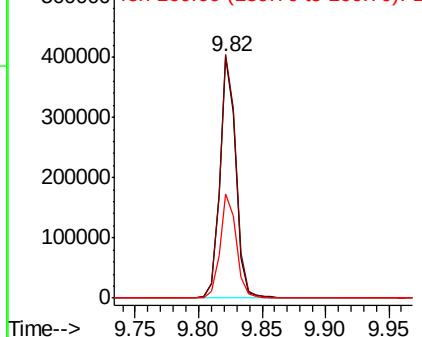
Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.4	122.0
160	42.8	35.7	53.5

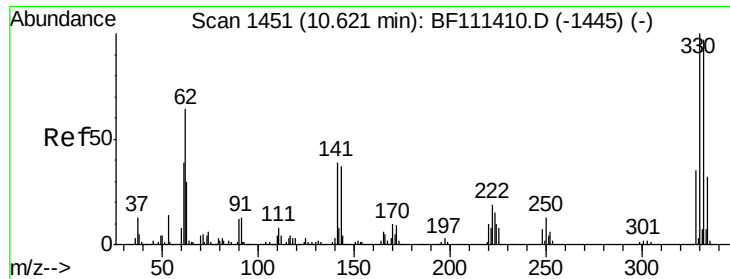
Abundance

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: 88.079 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111556.D

Acq: 17 Dec 2018 23:12

Instrument :

BNA_F

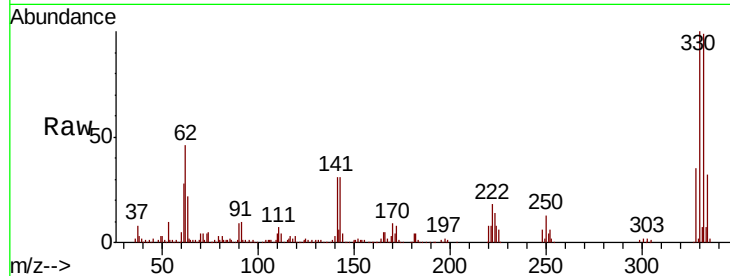
ClientSampled :

TP-4-B

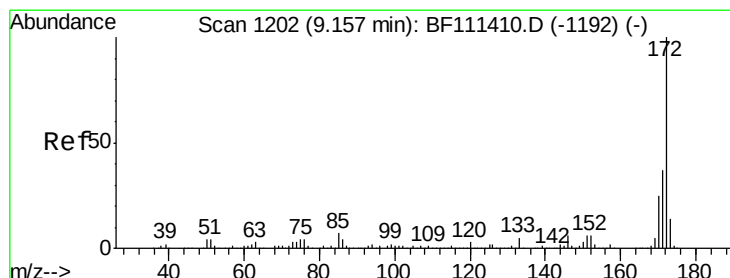
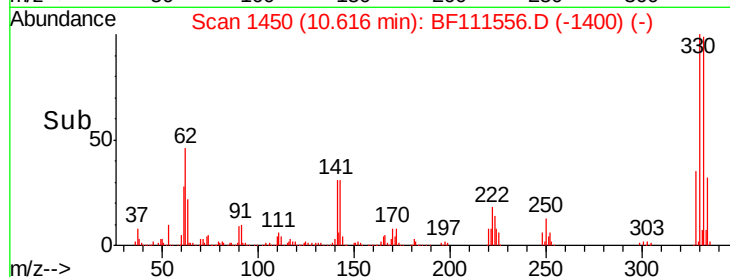
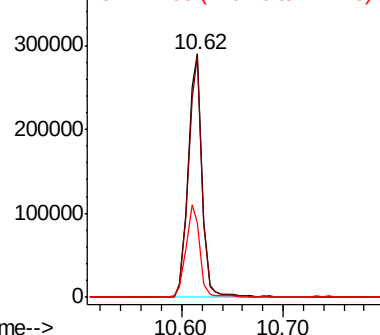
Tot Ion:	330	Resp:	278874
Ion Ratio	Lower	Upper	
330	100		
332	96.4	76.0	114.0
141	37.3	31.0	46.6

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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: 62.926 ng

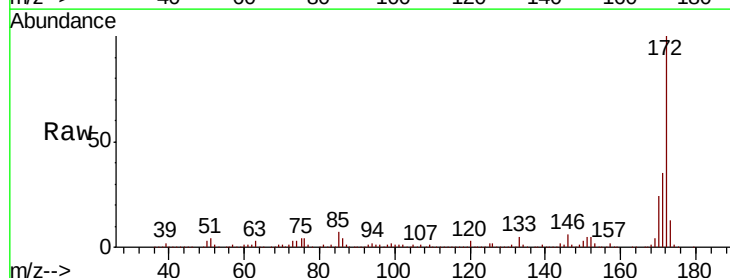
RT: 9.15 min Scan# 1200

Delta R.T. -0.01 min

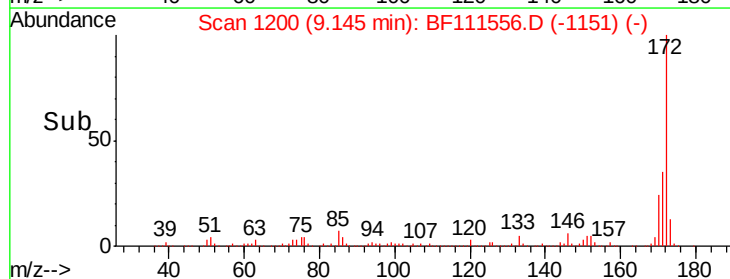
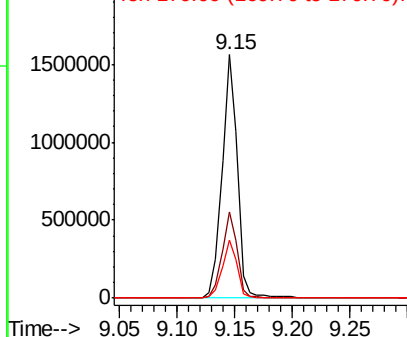
Lab File: BF111556.D

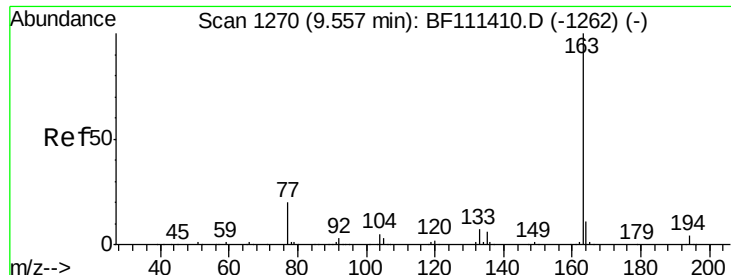
Acq: 17 Dec 2018 23:12

Tgt Ion:	172	Resp:	1439892
Ion Ratio	Lower	Upper	
172	100		
171	35.4	33.0	49.4
170	23.9	22.3	33.5



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





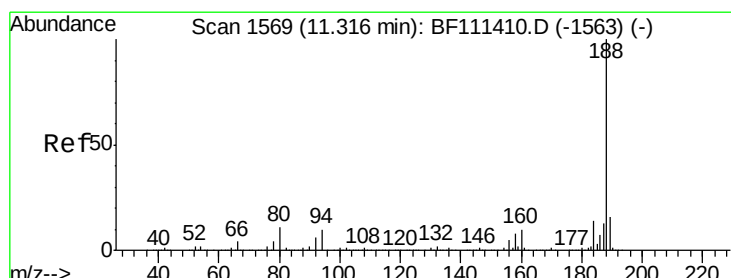
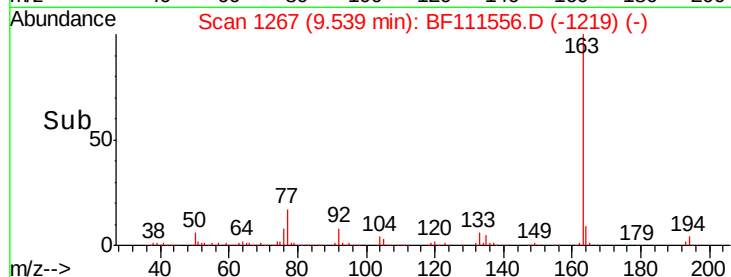
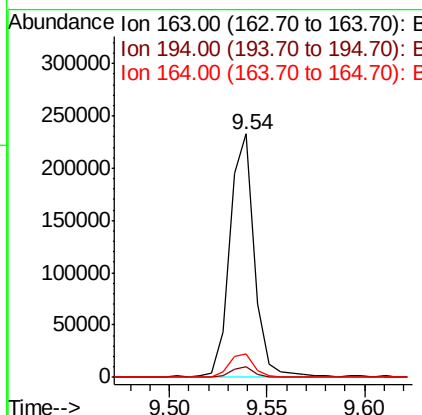
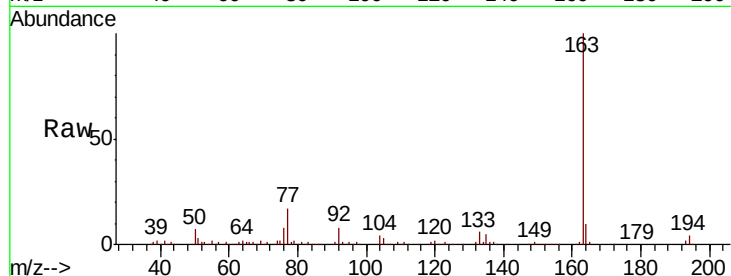
#50
Dimethylphthalate
Concen: 7.869 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF111556.D
Acq: 17 Dec 2018 23:12

Instrument :
BNA_F
ClientSampleId :
TP-4-B

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	4.1	3.0	4.6
164	9.5	8.9	13.3

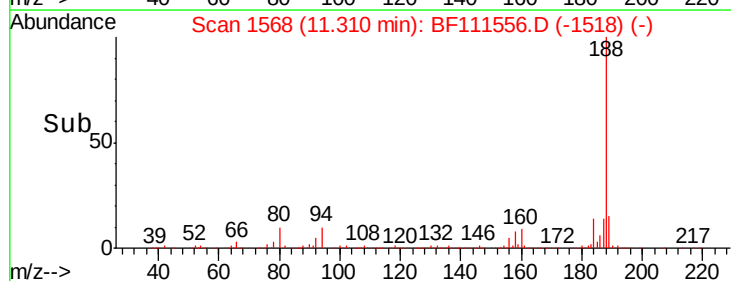
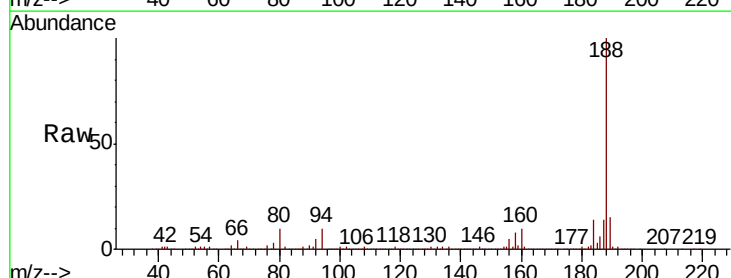
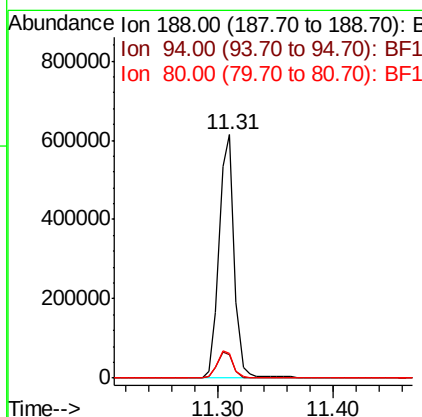
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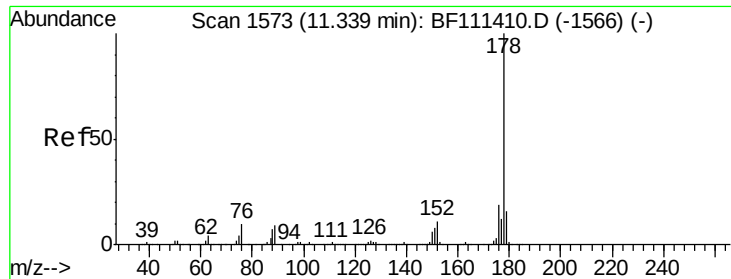
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111556.D
Acq: 17 Dec 2018 23:12

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	9.7	9.6	14.4
80	10.3	9.8	14.6





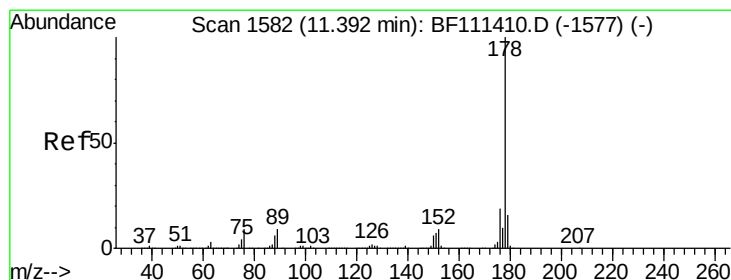
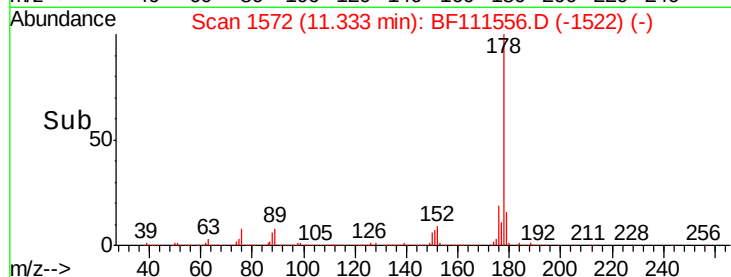
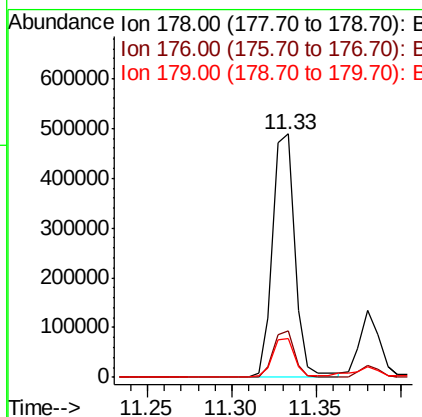
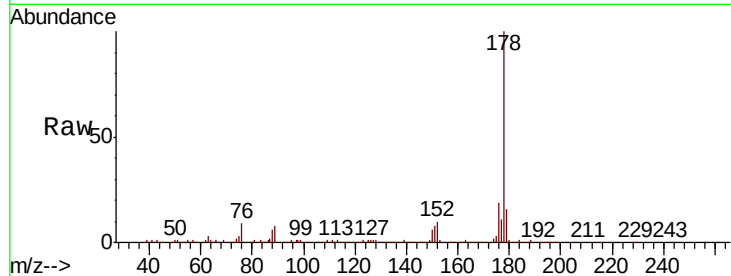
#71
Phenanthrene
Concen: 15.456 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF111556.D
Acq: 17 Dec 2018 23:12

Instrument :
BNA_F
ClientSampleId :
TP-4-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	18.1	27.1
179	15.9	14.0	21.0

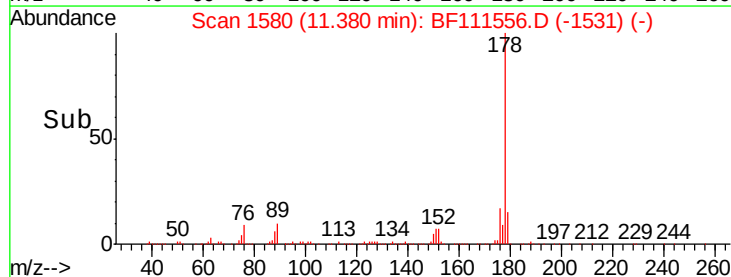
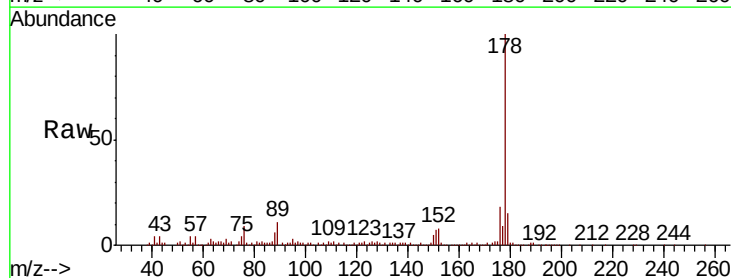
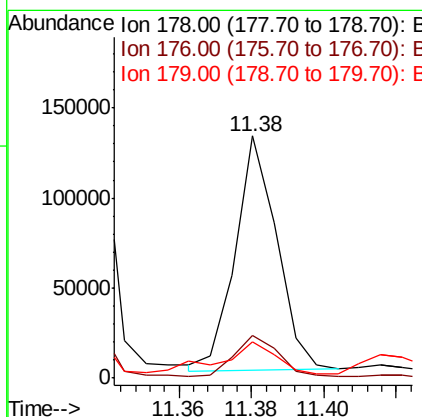
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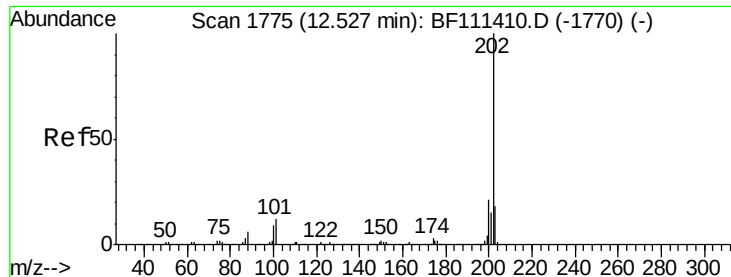
Sohil
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#72
Anthracene
Concen: 3.482 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF111556.D
Acq: 17 Dec 2018 23:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	17.2	25.8
179	15.2	13.8	20.8





#75

Fluoranthene

Concen: 23.038 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111556.D

Acq: 17 Dec 2018 23:12

Instrument :

BNA_F

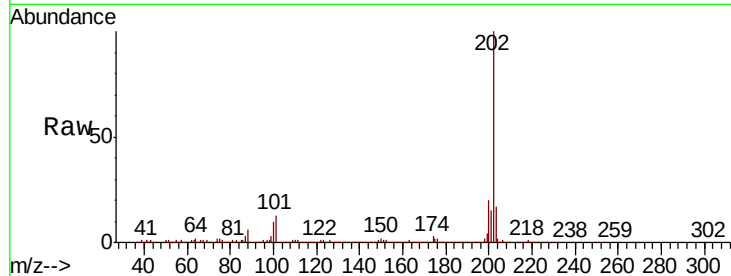
ClientSampleId :

TP-4-B

Tot Ion:	202	Resp:	653244
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	33.8
203	17.3	0.0	38.6

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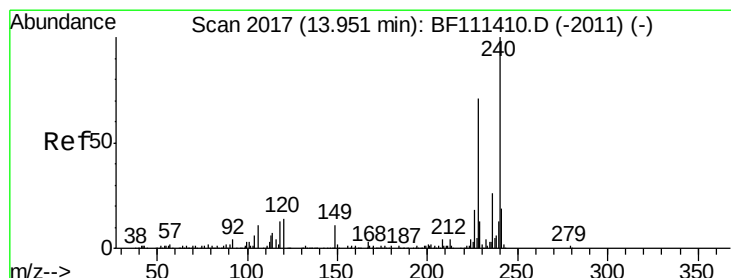
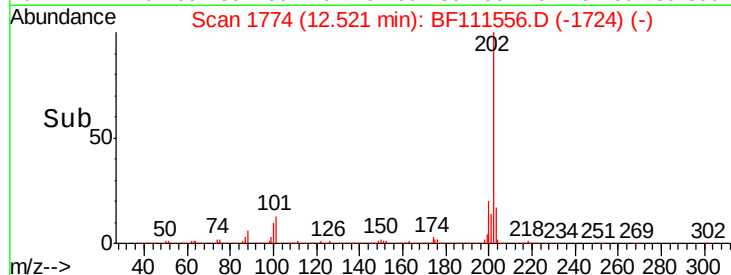
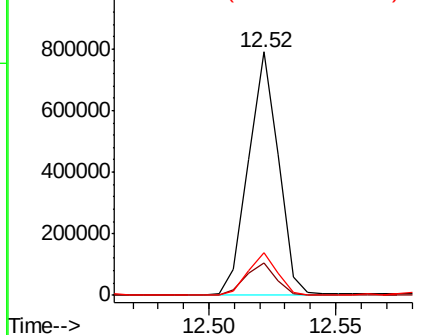


Abundance

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: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF111556.D

Acq: 17 Dec 2018 23:12

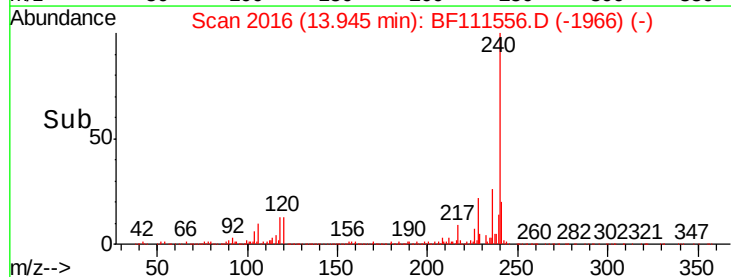
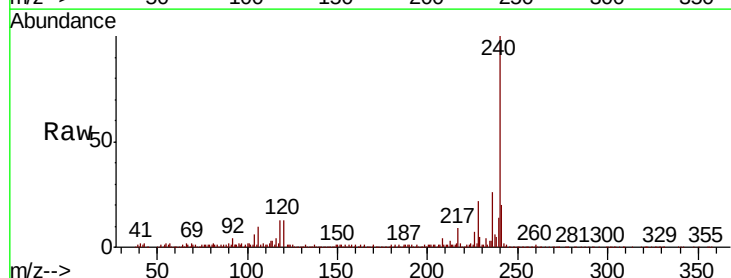
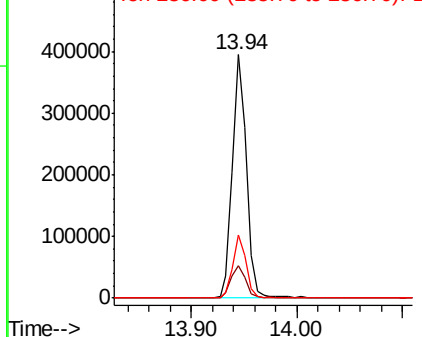
Tgt Ion:	240	Resp:	358648
Ion Ratio	Lower	Upper	
240	100		
120	13.3	12.2	18.2
236	25.8	20.2	30.2

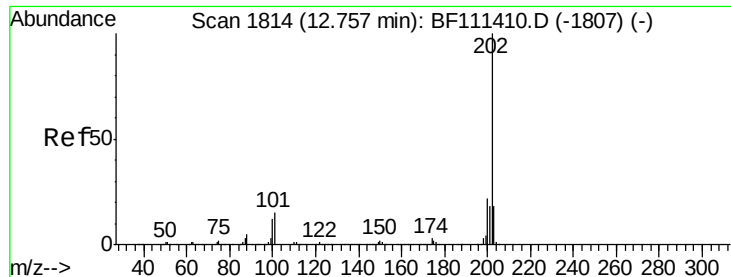
Abundance

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





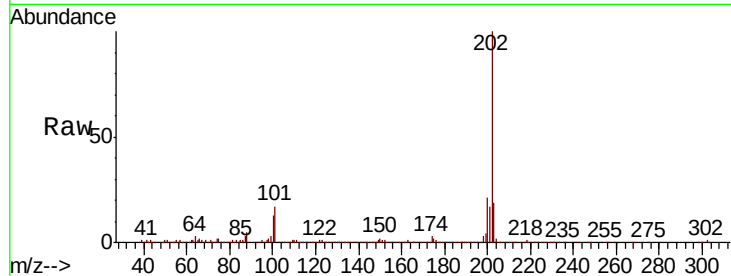
#78
Pvrene
Concen: 22.677 ng
RT: 12.74 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF111556.D
Acq: 17 Dec 2018 23:12

Instrument :
BNA_F
ClientSampleId :
TP-4-B

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	19.0	28.4
203	18.5	15.2	22.8

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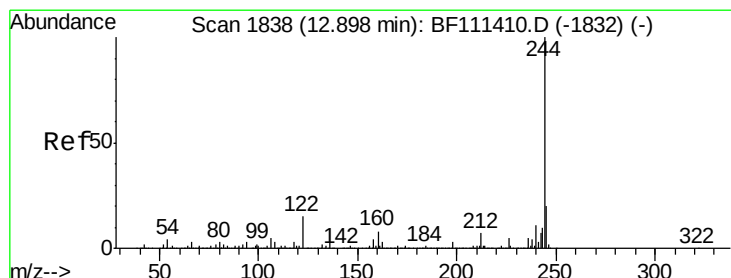
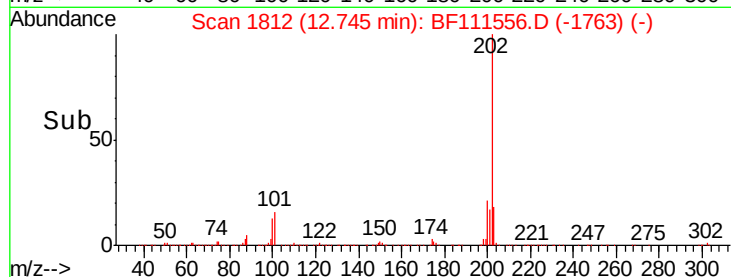
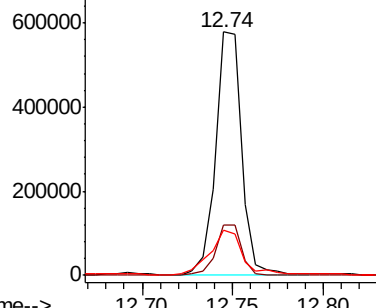


Abundance

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: 65.666 ng
RT: 12.89 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF111556.D
Acq: 17 Dec 2018 23:12

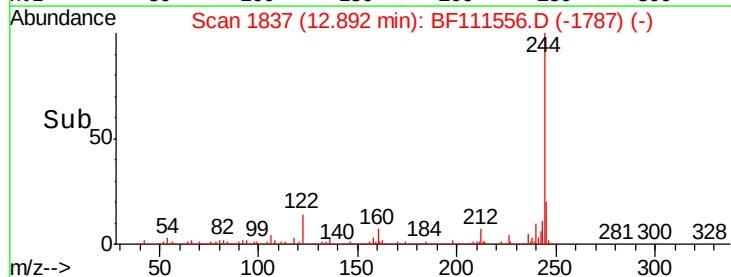
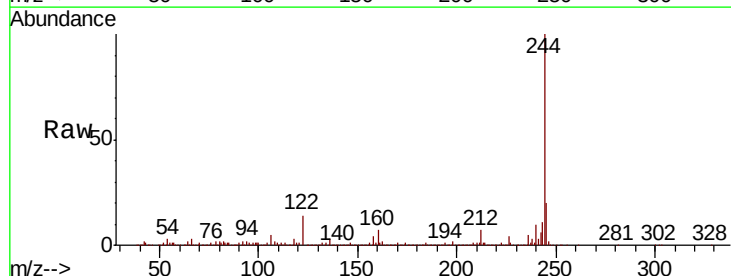
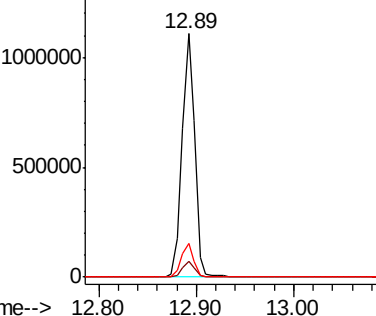
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	14.1	13.1	19.7

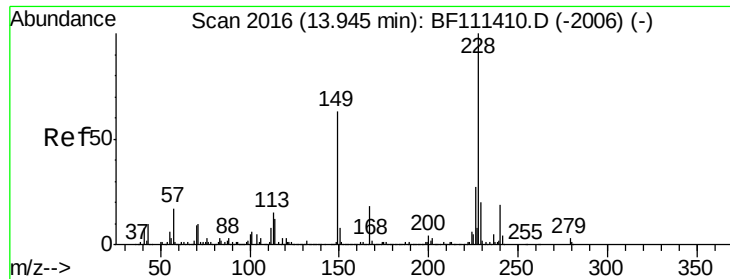
Abundance

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





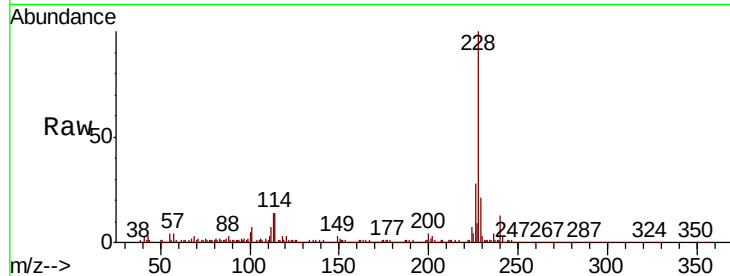
#81
Benzo(a)anthracene
Concen: 14.813 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF111556.D
Acq: 17 Dec 2018 23:12

Instrument :
BNA_F
ClientSampleId :
TP-4-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	34.0
229	20.6	16.3	24.5

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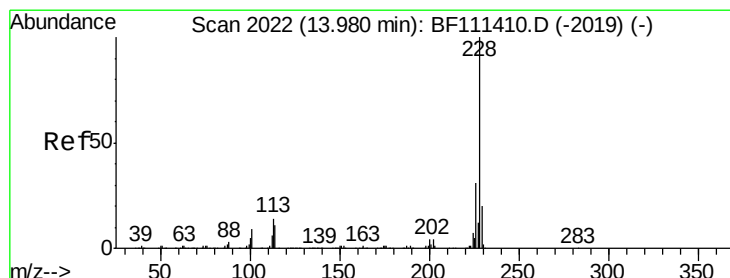
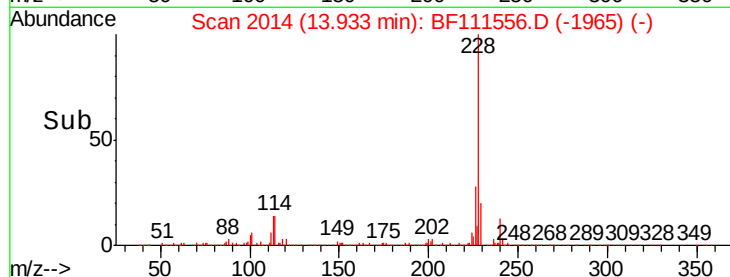
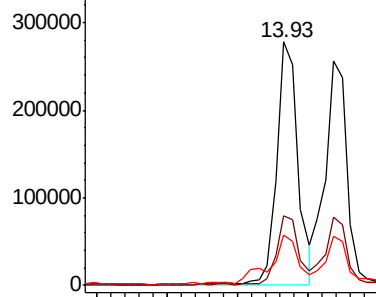


Abundance

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



#83
Chrysene
Concen: 13.510 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF111556.D
Acq: 17 Dec 2018 23:12

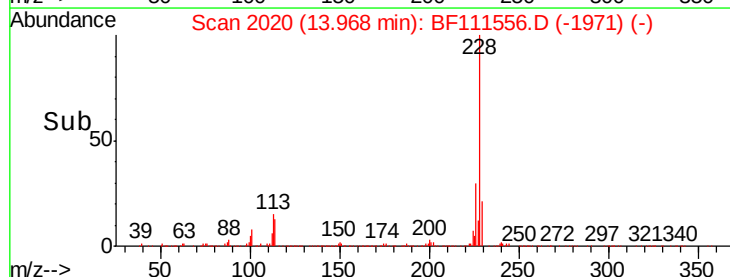
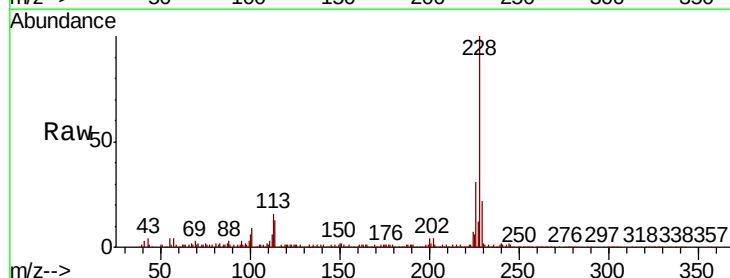
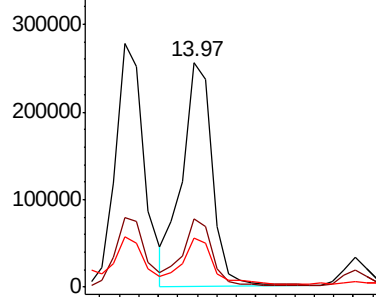
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.3	37.9
229	21.8	17.2	25.8

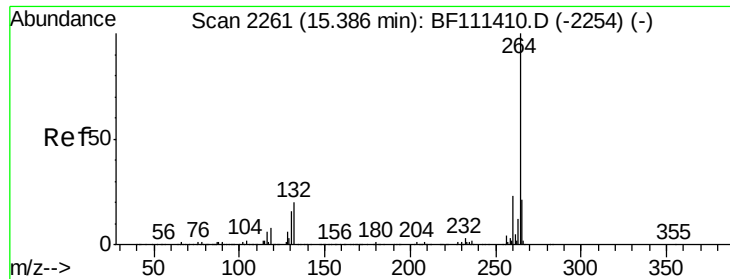
Abundance

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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2261

Delta R.T. 0.00 min

Lab File: BF111556.D

Acq: 17 Dec 2018 23:12

Instrument :

BNA_F

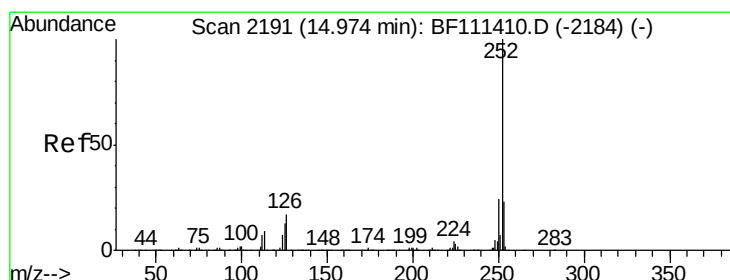
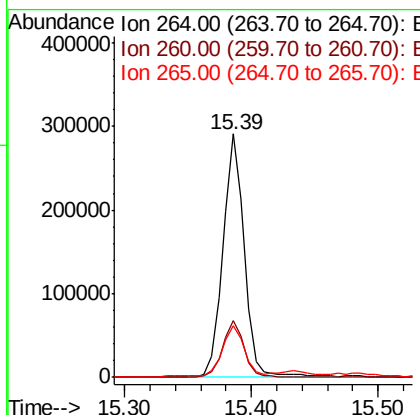
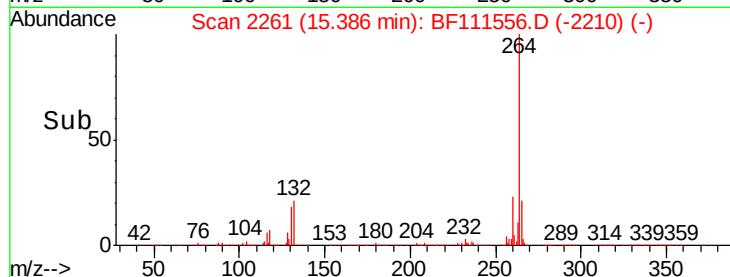
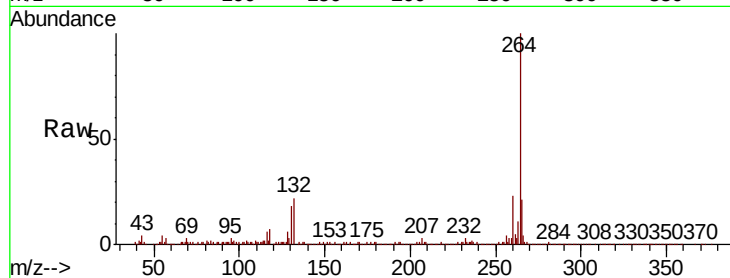
ClientSampled :

TP-4-B

Tot Ion:	264	Resp:	335570
Ion Ratio	Lower	Upper	
264	100		
260	23.2	18.3	27.5
265	21.3	17.7	26.5

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#88

Benzo(b)fluoranthene

Concen: 17.541 ng m

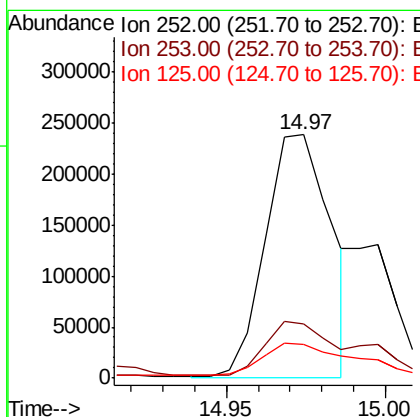
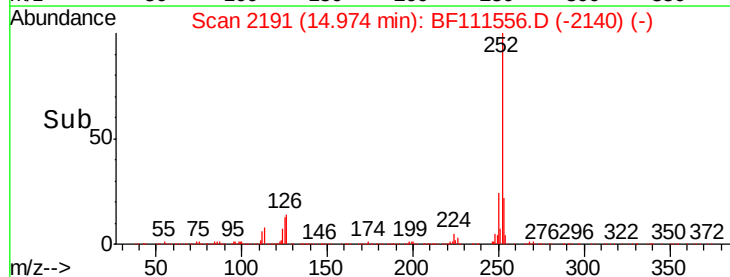
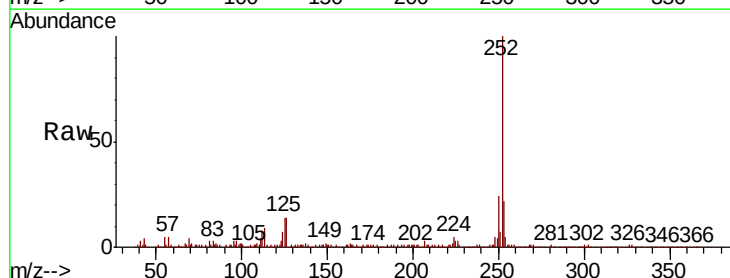
RT: 14.97 min Scan# 2191

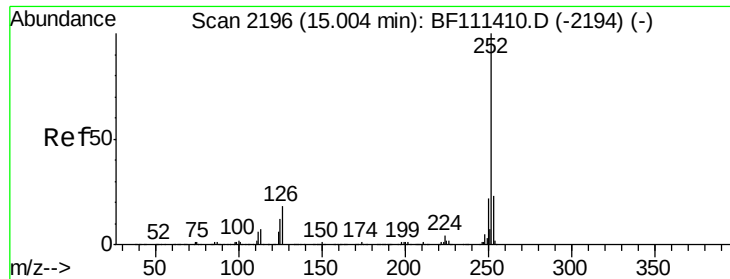
Delta R.T. 0.00 min

Lab File: BF111556.D

Acq: 17 Dec 2018 23:12

Tgt Ion:	252	Resp:	343182
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.2	27.2
125	13.9	10.4	15.6





#89

Benzo(k)fluoranthene

Concen: 7.008 ng/mL

RT: 15.00 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BF111556.D

Acq: 17 Dec 2018 23:12

Instrument :

BNA_F

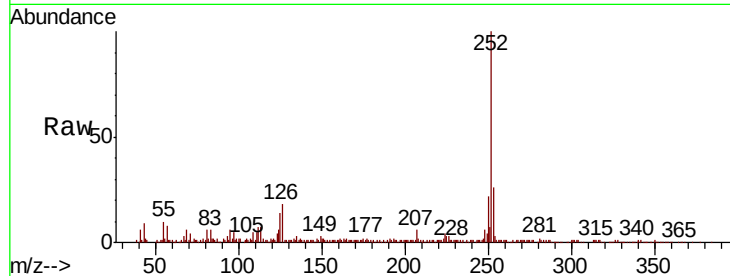
ClientSampleId :

TP-4-B

Tot Ion:	252	Resp:	131000
Ion Ratio	Lower	Upper	
252	100		
253	25.6	18.1	27.1
125	14.1	9.8	14.8

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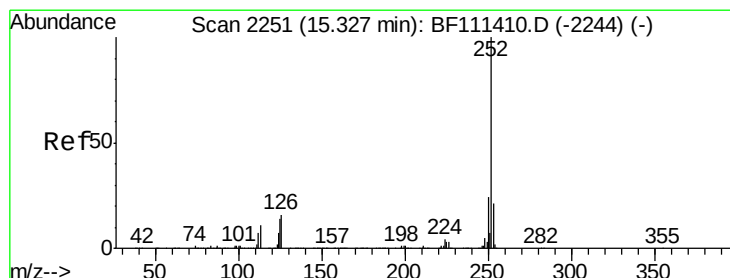
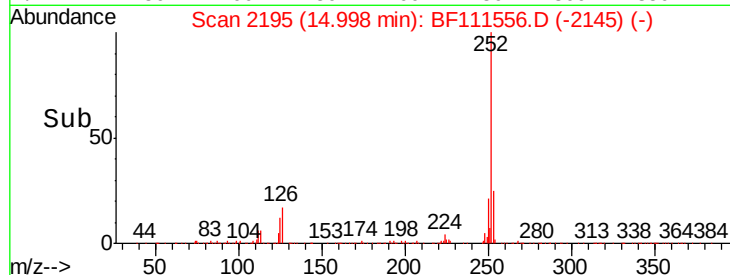
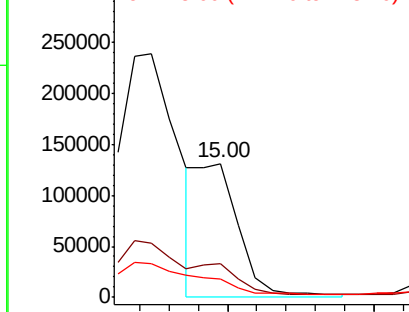


Abundance

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: 13.945 ng/mL

RT: 15.32 min Scan# 2250

Delta R.T. -0.01 min

Lab File: BF111556.D

Acq: 17 Dec 2018 23:12

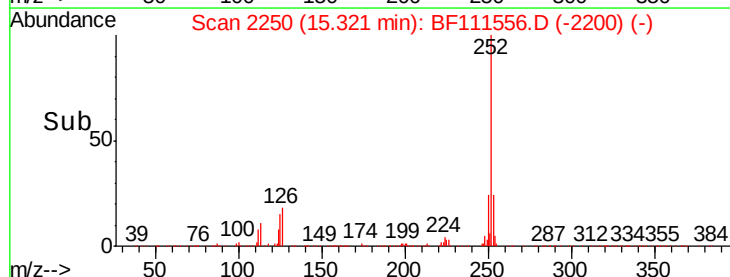
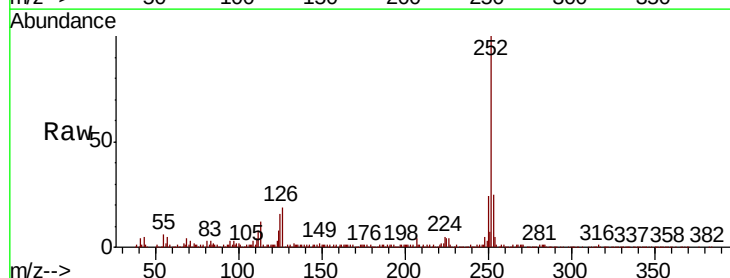
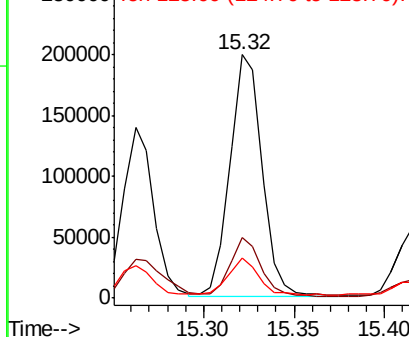
Tgt Ion:	252	Resp:	246013
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.8	26.8
125	16.5	12.3	18.5

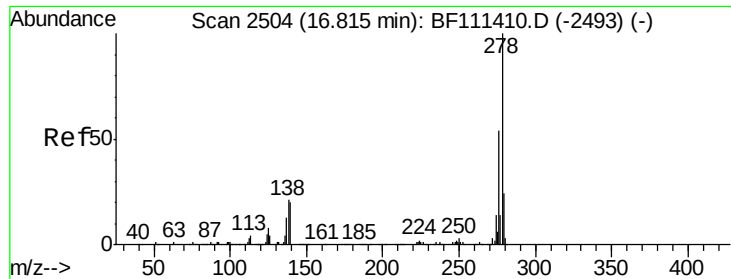
Abundance

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





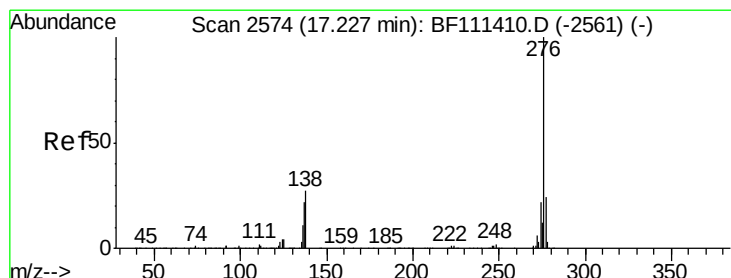
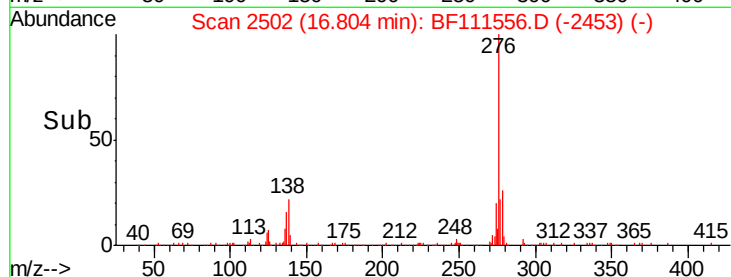
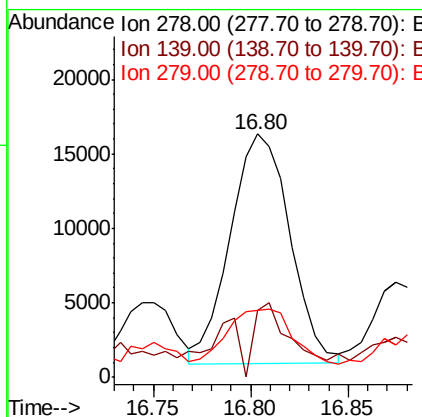
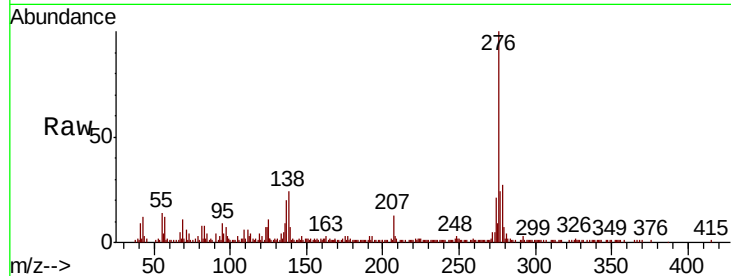
#91
Dibenzo(a,h)anthracene
Concen: 2.357 ng
RT: 16.80 min Scan# 2502
Delta R.T. -0.01 min
Lab File: BF111556.D
Acq: 17 Dec 2018 23:12

Instrument :
BNA_F
ClientSampled :
TP-4-B

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.8	18.2	27.4#
279	27.3	19.0	28.6

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#92
Benzo(g,h,i)perylene
Concen: 7.990 ng
RT: 17.23 min Scan# 2574
Delta R.T. 0.00 min
Lab File: BF111556.D
Acq: 17 Dec 2018 23:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	27.5	24.9	37.3

