

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
 Data File : BF111555.D
 Acq On : 17 Dec 2018 22:45
 Operator : JU/SJ
 Sample : J6403-25
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-A

Manual Integrations
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Quant Time: Dec 18 06:54:46 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	124043	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	787465	20.00	ng	-0.01
39) Acenaphthene-d10	9.82	164	360861	20.00	ng	-0.01
64) Phenanthrene-d10	11.31	188	573035	20.00	ng	0.00
76) Chrysene-d12	13.94	240	369438	20.00	ng	0.00
87) Perylene-d12	15.39	264	356948	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	994977	133.48	ng	0.00
7) Phenol-d6	6.44	99	1082548	109.18	ng	0.00
23) Nitrobenzene-d5	7.35	82	683268	51.67	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	320831	99.25	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1610154	68.92	ng	-0.01
79) Terphenyl-d14	12.89	244	1139652	72.44	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	61837	5.598	ng	95
31) Naphthalene	8.09	128	81185	2.204	ng	96
50) Dimethylphthalate	9.54	163	242841	9.344	ng	97
52) Acenaphthene	9.86	154	43809	2.009	ng	97
58) Fluorene	10.37	166	52719	2.296	ng	99
71) Phenanthrene	11.33	178	530196	17.956	ng	92
72) Anthracene	11.38	178	128948	4.270	ng	93
75) Fluoranthene	12.52	202	704219	24.379	ng	98
78) Pyrene	12.75	202	662817	25.447	ng	95
81) Benzo(a)anthracene	13.94	228	325000	16.179	ng	98
83) Chrysene	13.97	228	318046	15.030	ng	95
88) Benzo(b)fluoranthene	14.97	252	447041m	21.481	ng	
89) Benzo(k)fluoranthene	15.00	252	115597m	5.813	ng	
90) Benzo(a)pyrene	15.33	252	301698	16.077	ng	97
91) Dibenzo(a,h)anthracene	16.80	278	39284m	2.654	ng	
92) Benzo(g,h,i)perylene	17.23	276	139273	9.585	ng	94

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

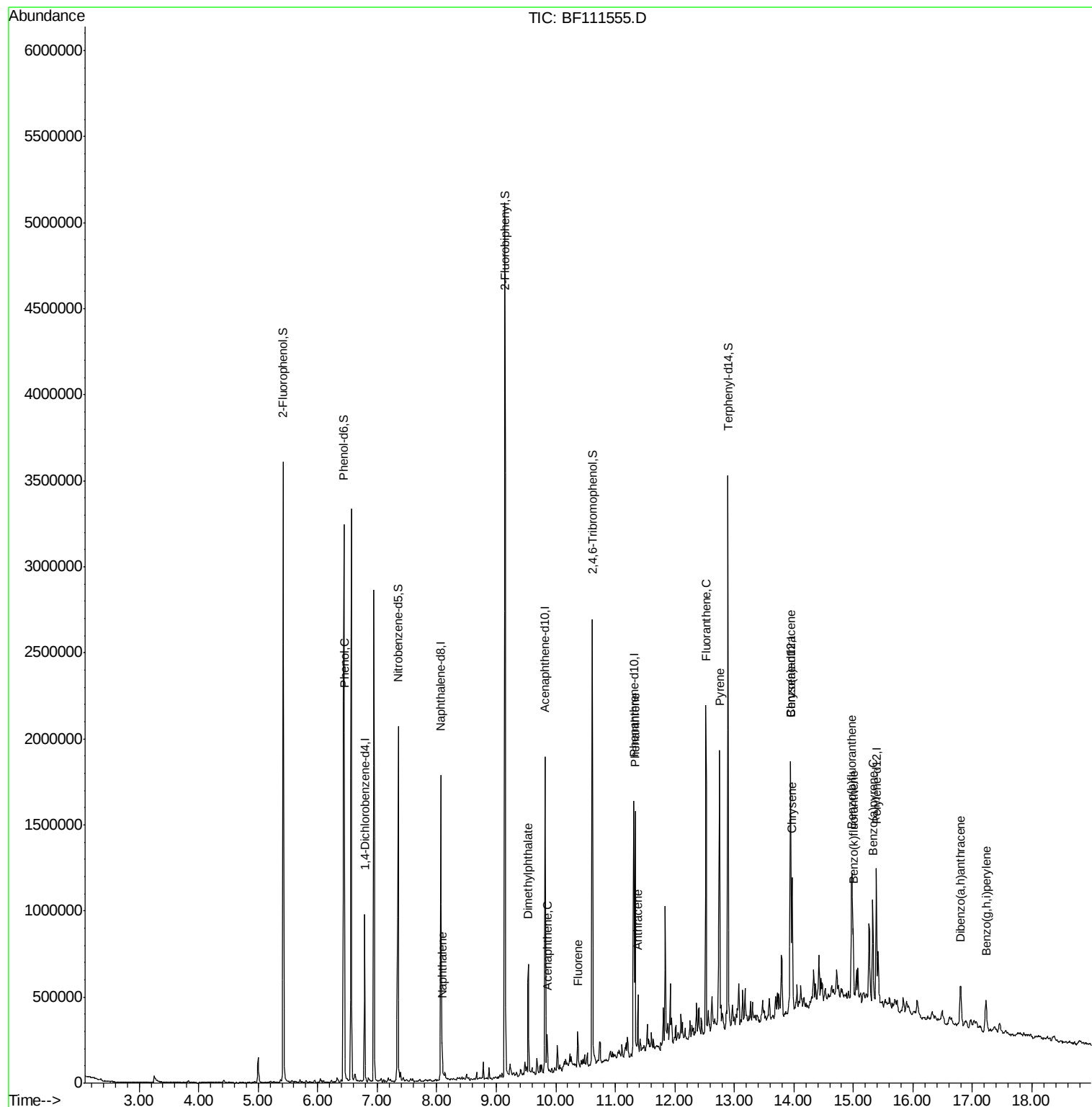
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
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ALS Vial : 16 Sample Multiplier: 1

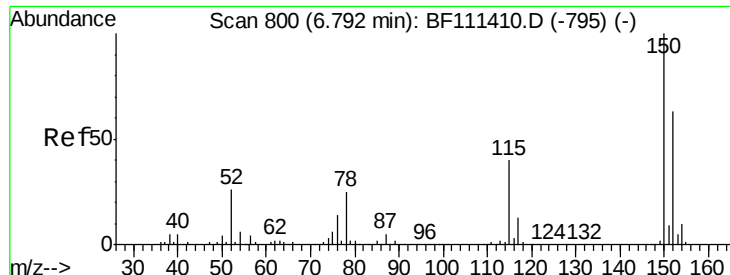
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#1

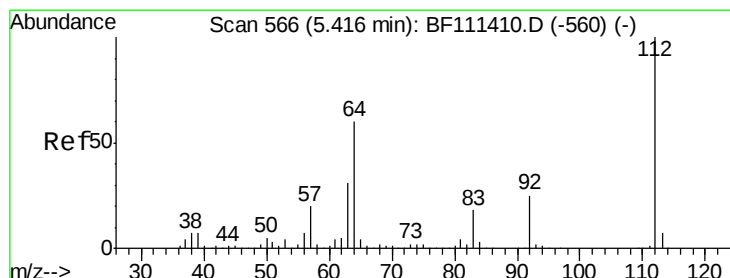
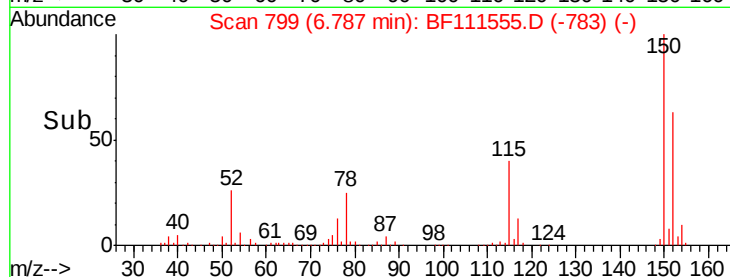
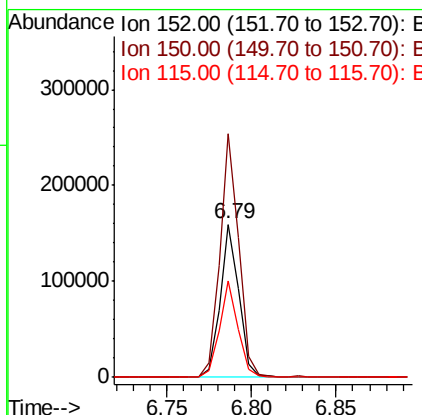
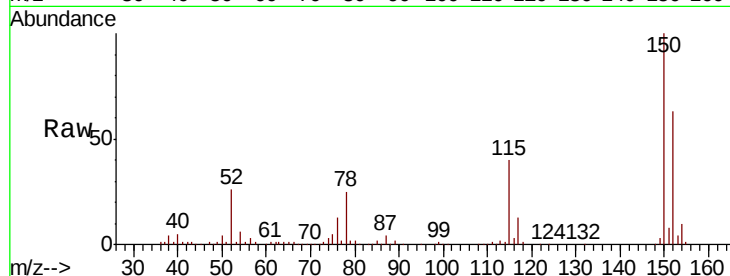
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF111555.D
Acq: 17 Dec 2018 22:45

Instrument :
BNA_F
ClientSampleId :
TP-4-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.6	189.8
115	62.8	50.7	76.1

Manual Integrations
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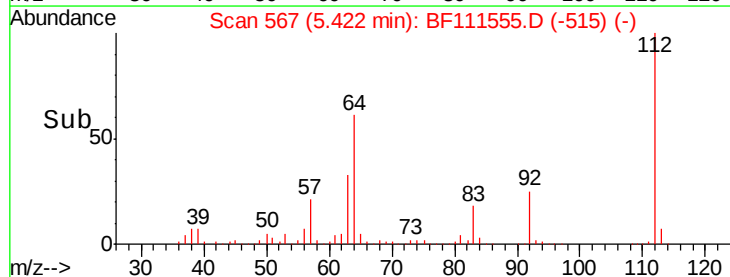
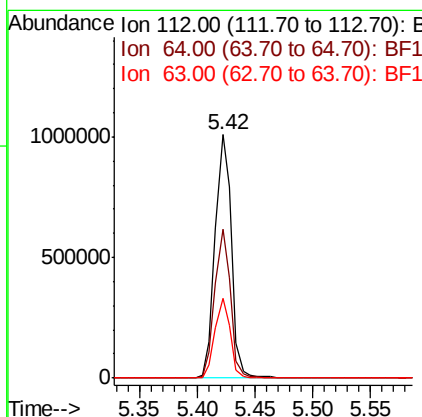
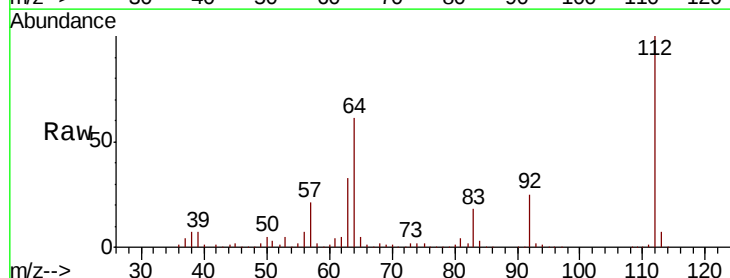
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#5

2-Fluorophenol
Concen: 133.478 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF111555.D
Acq: 17 Dec 2018 22:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.0	51.8	77.6
63	32.6	26.8	40.2





#7

Phenol-d6

Concen: 109.178 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111555.D

Acq: 17 Dec 2018 22:45

Instrument :

BNA_F

ClientSampled :

TP-4-A

Tot Ion: 99 Resp: 1082548

Ion Ratio Lower Upper

99 100

42 23.0 17.4 26.0

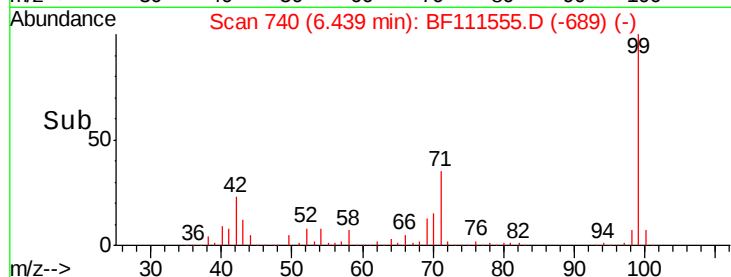
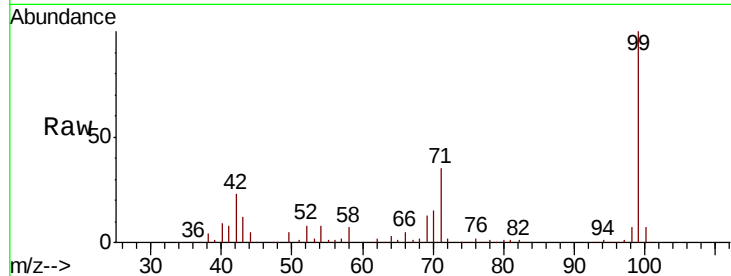
71 34.7 26.1 39.1

Manual Integrations

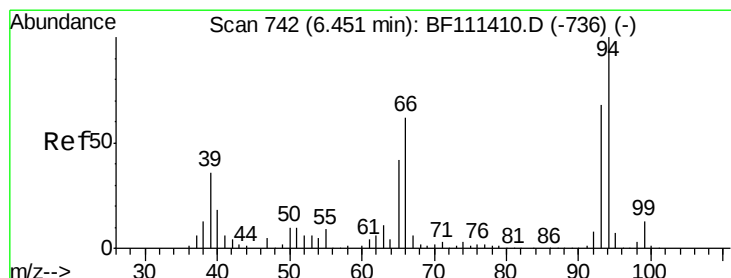
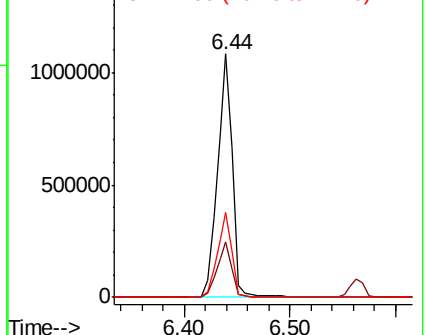
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 5.598 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111555.D

Acq: 17 Dec 2018 22:45

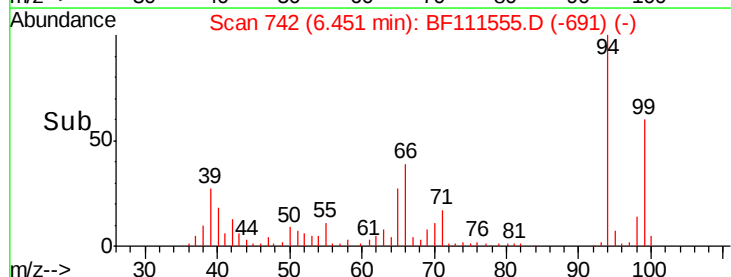
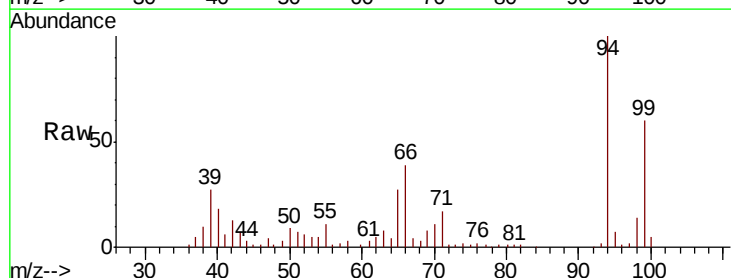
Tgt Ion: 94 Resp: 61837

Ion Ratio Lower Upper

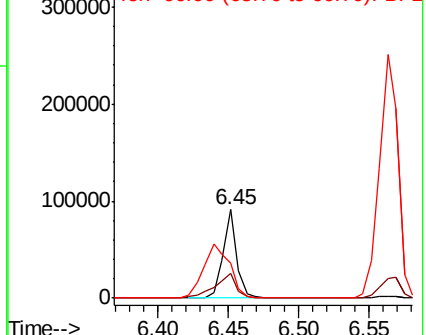
94 100

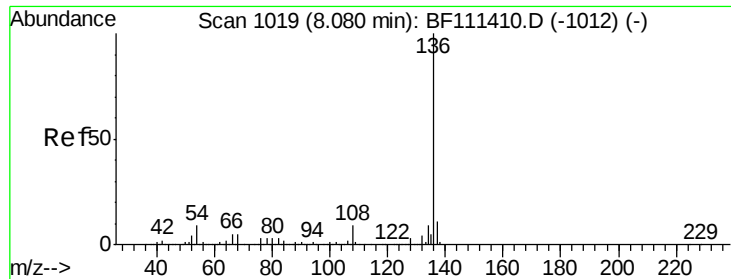
65 27.4 11.7 51.7

66 39.2 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: BF111555.D

Acq: 17 Dec 2018 22:45

Instrument :

BNA_F

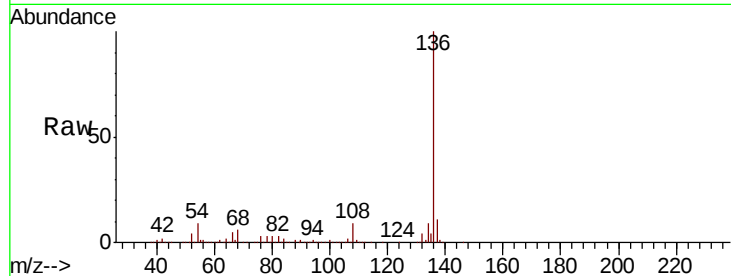
ClientSampleId :

TP-4-A

Tot Ion	Ratio	Resp	Lower	Upper
136	100	787465		
137	11.1		9.1	13.7
54	8.9		7.7	11.5
68	5.9		4.9	7.3

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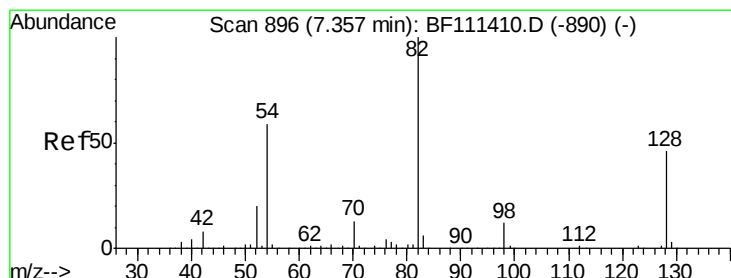
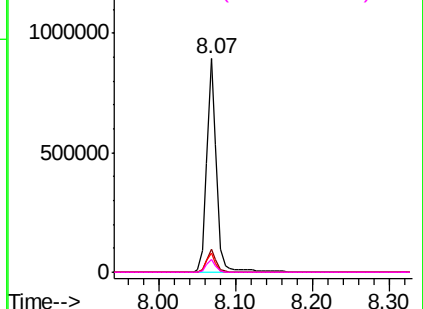
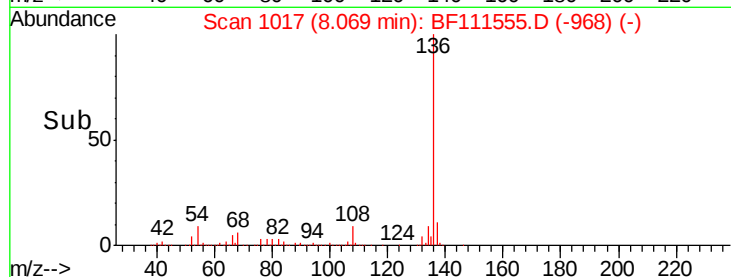


Abundance Ion 136.00 (135.70 to 136.70): E

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: 51.669 ng

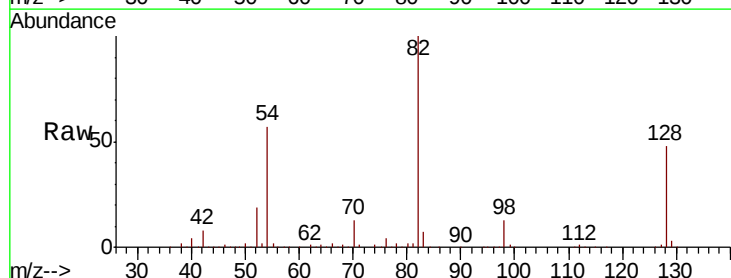
RT: 7.35 min Scan# 895

Delta R.T. -0.01 min

Lab File: BF111555.D

Acq: 17 Dec 2018 22:45

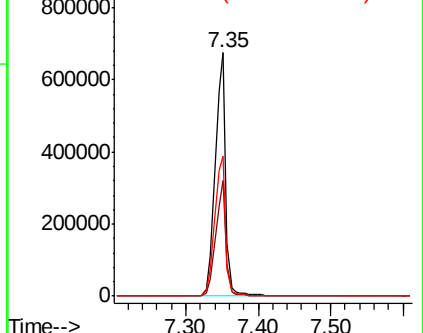
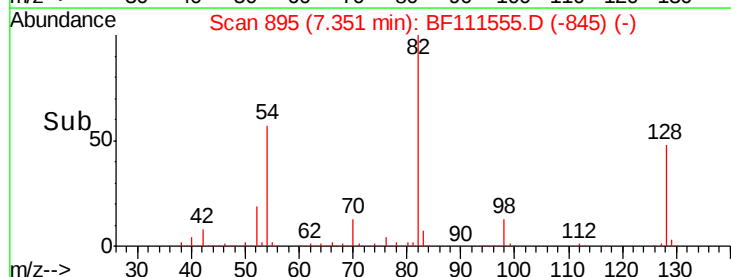
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	683268		
128	47.6		37.4	56.2
54	57.5		47.6	71.4

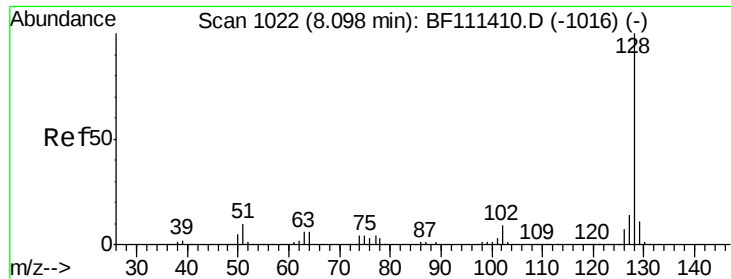


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





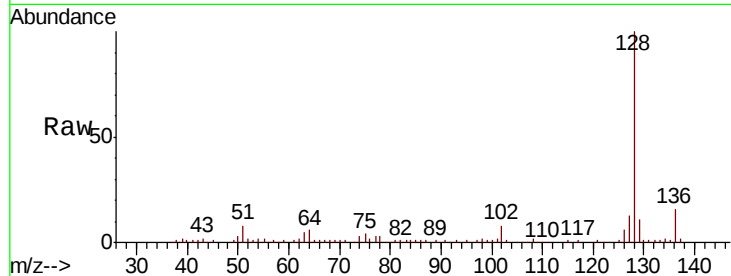
#31
Naphthalene
Concen: 2.204 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF111555.D
Acq: 17 Dec 2018 22:45

Instrument :
BNA_F
ClientSampleId :
TP-4-A

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.8	14.8
127	13.2	12.0	18.0

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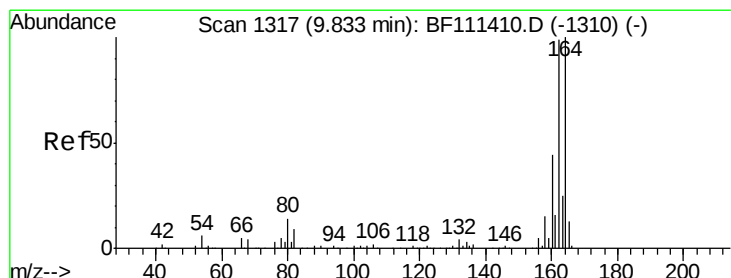
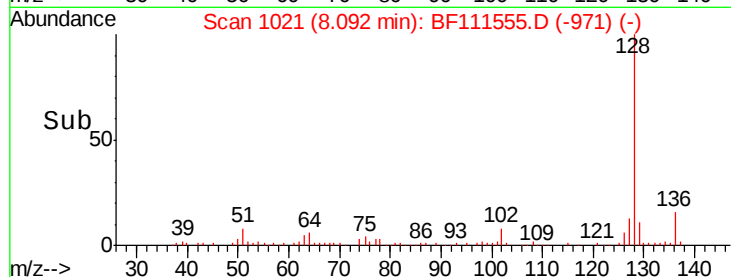
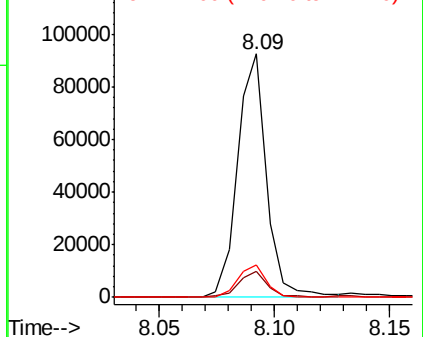


Abundance

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: BF111555.D
Acq: 17 Dec 2018 22:45

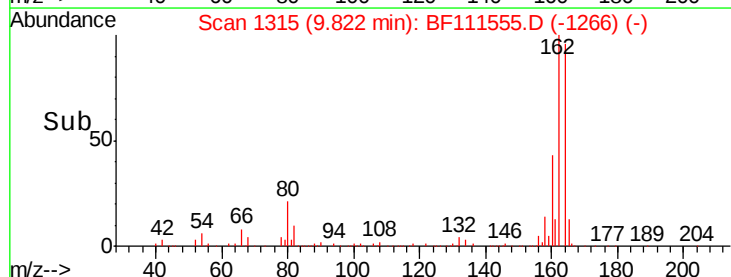
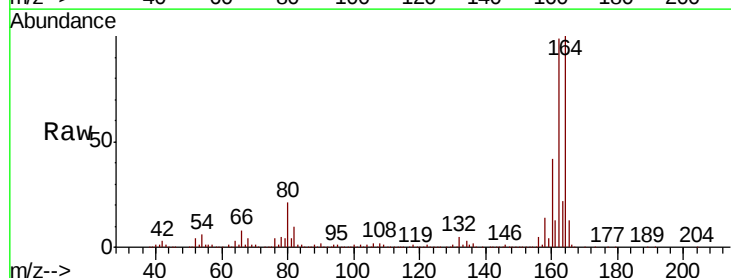
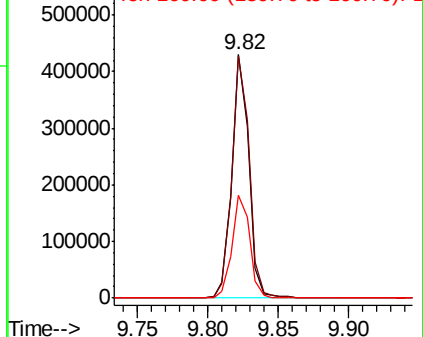
Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.3	81.4	122.0
160	42.5	35.7	53.5

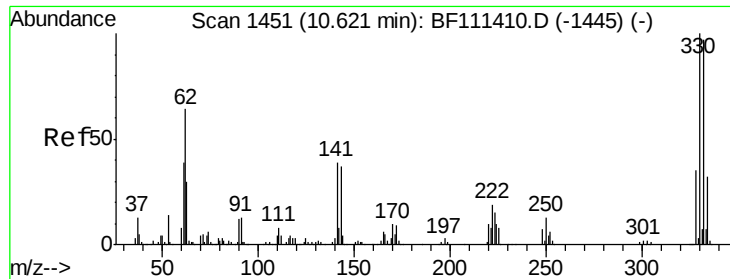
Abundance

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





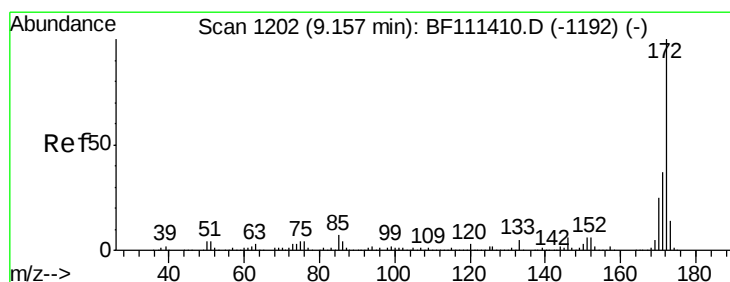
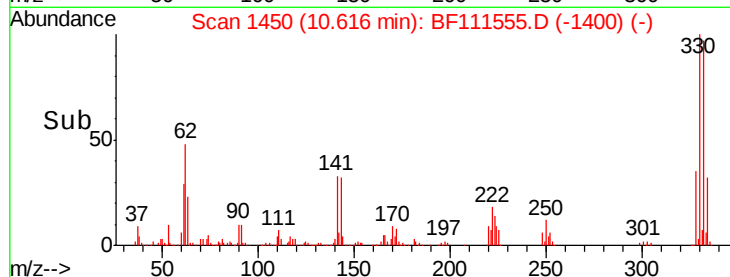
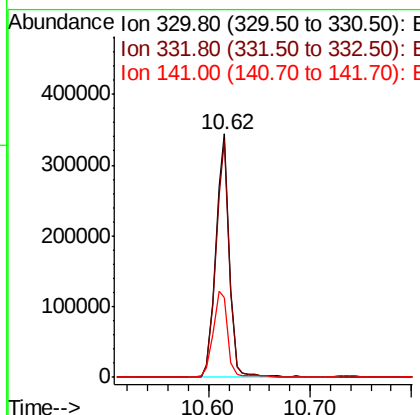
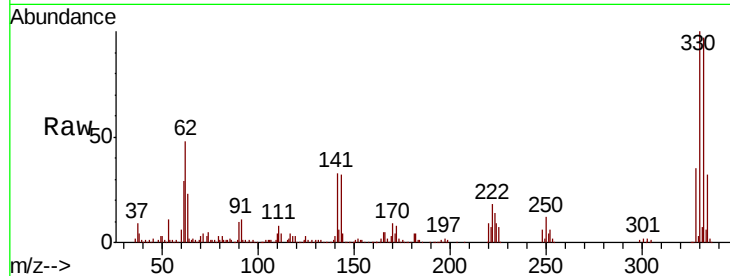
#42
 2,4,6-Tribromophenol
 Concen: 99.250 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111555.D
 Acq: 17 Dec 2018 22:45

Instrument :
 BNA_F
 ClientSampled :
 TP-4-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.8	76.0	114.0	
141	37.6	31.0	46.6	

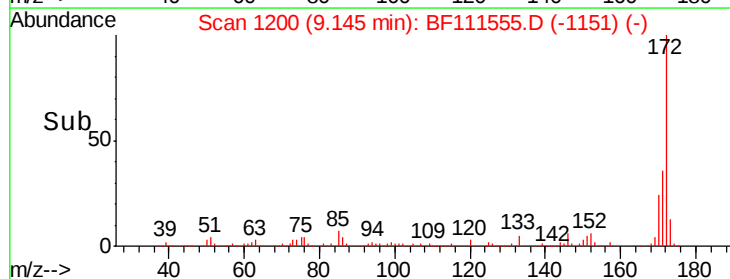
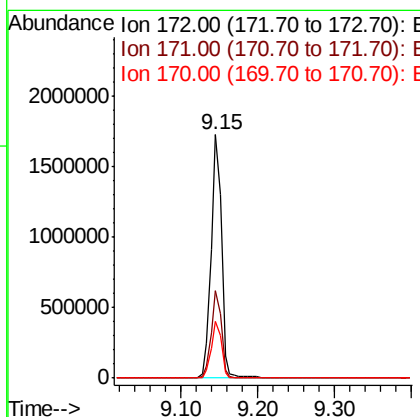
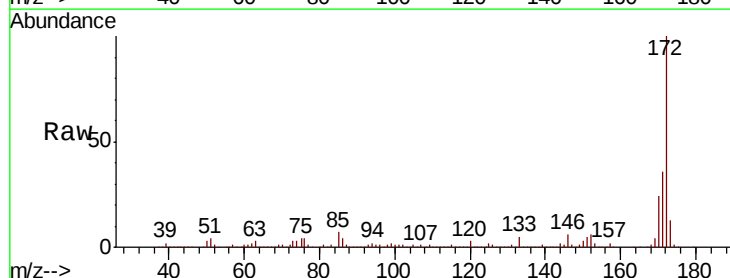
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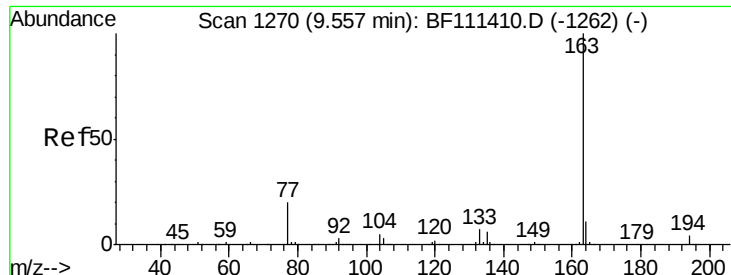
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#45
 2-Fluorobiphenyl
 Concen: 68.921 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF111555.D
 Acq: 17 Dec 2018 22:45

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	33.0	49.4	
170	23.5	22.3	33.5	





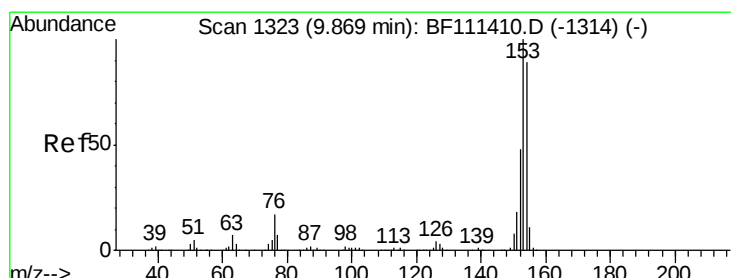
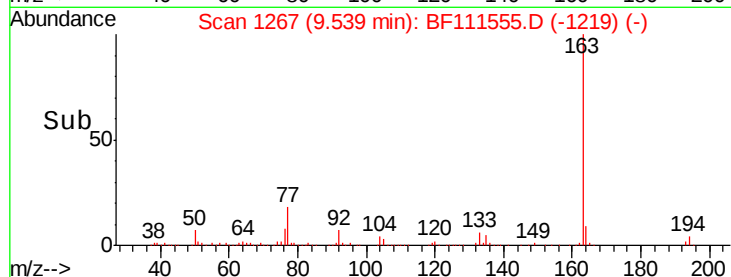
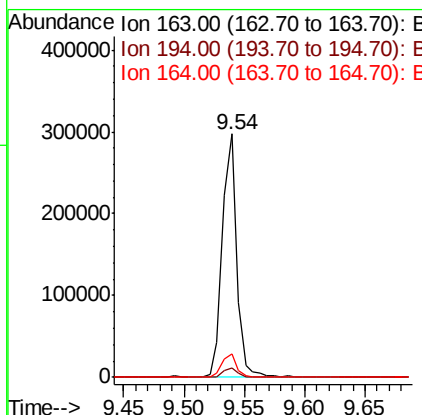
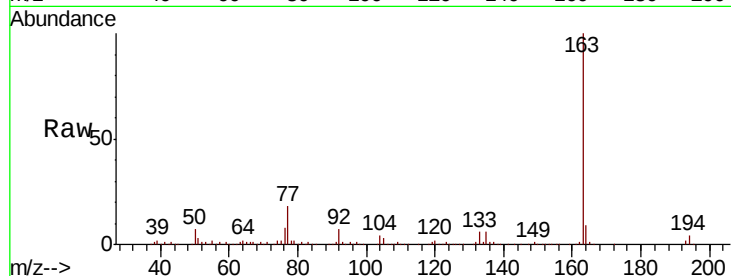
#50
Dimethylphthalate
Concen: 9.344 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF111555.D
Acq: 17 Dec 2018 22:45

Instrument :
BNA_F
ClientSampled :
TP-4-A

Tot Ion	Ratio	Resp	Lower	Upper
163	100	242841		
194	4.0	3.0	4.6	
164	9.4	8.9	13.3	

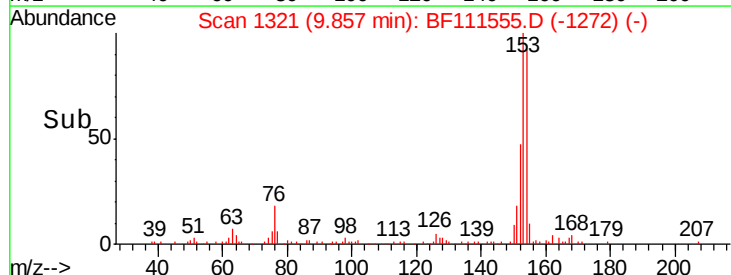
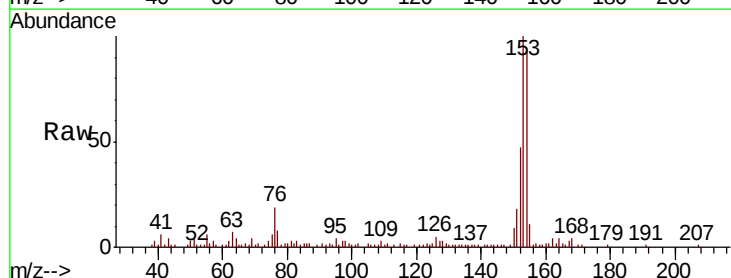
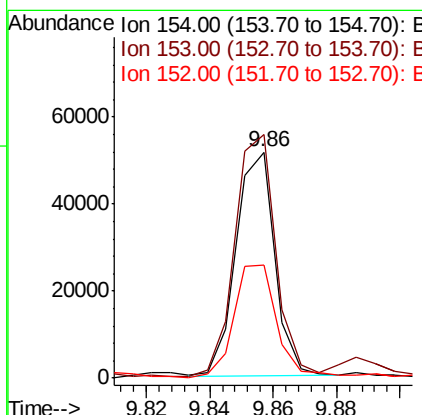
Manual Integrations
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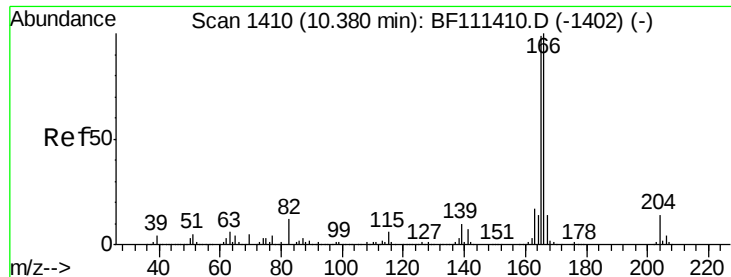
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#52
Acenaphthene
Concen: 2.009 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF111555.D
Acq: 17 Dec 2018 22:45

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	43809		
153	107.8	87.8	131.8	
152	50.2	43.4	65.2	





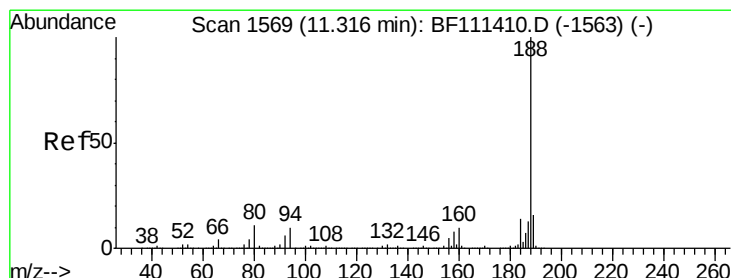
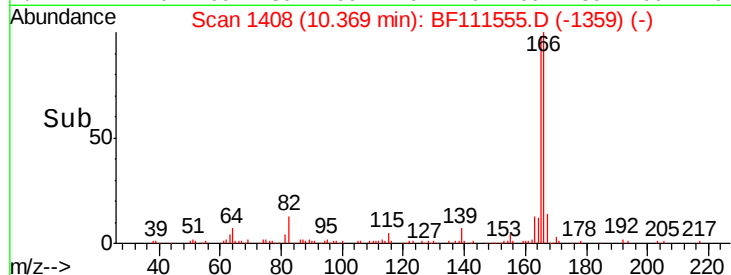
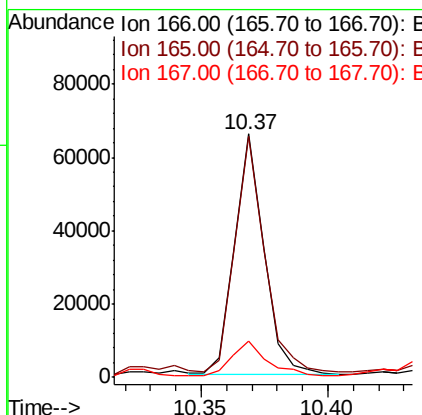
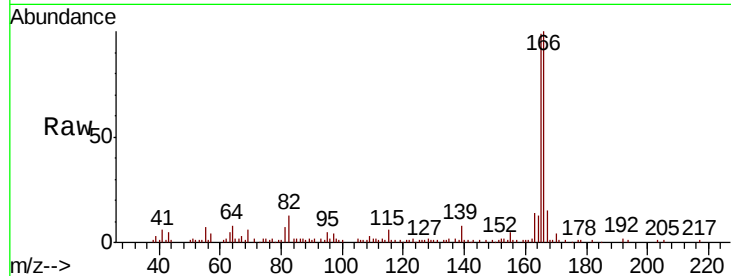
#58
 Fluorene
 Concen: 2.296 ng
 RT: 10.37 min Scan# 1408
 Delta R.T. -0.01 min
 Lab File: BF111555.D
 Acq: 17 Dec 2018 22:45

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		52719		
165	98.8	78.4	117.6		
167	14.7	11.2	16.8		

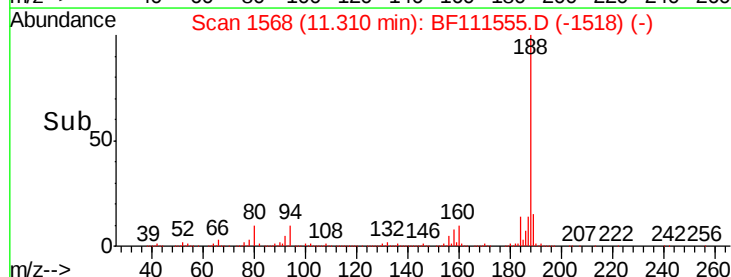
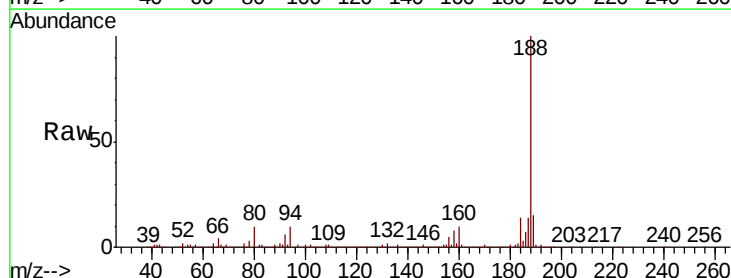
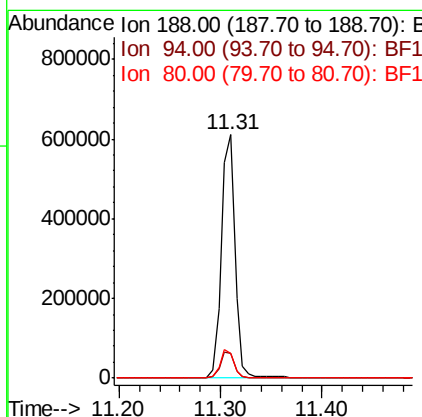
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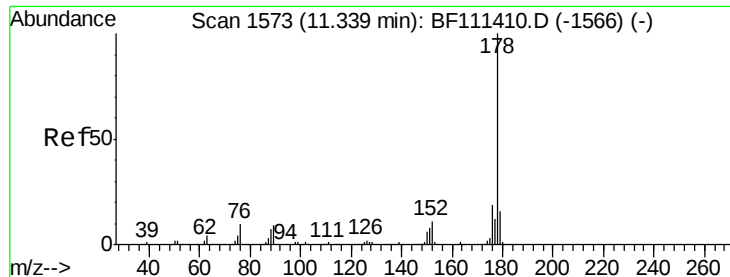
Sohil
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF111555.D
 Acq: 17 Dec 2018 22:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		573035		
94	10.1	9.6	14.4		
80	10.3	9.8	14.6		





#71

Phenanthrene

Concen: 17.956 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF111555.D

Acq: 17 Dec 2018 22:45

Instrument :

BNA_F

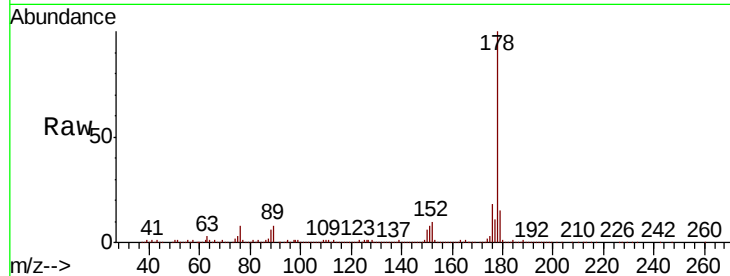
ClientSampleId :

TP-4-A

Tot Ion:178	Resp:	530196
Ion Ratio	Lower	Upper
178	100	
176	18.1	18.1 27.1
179	15.1	14.0 21.0

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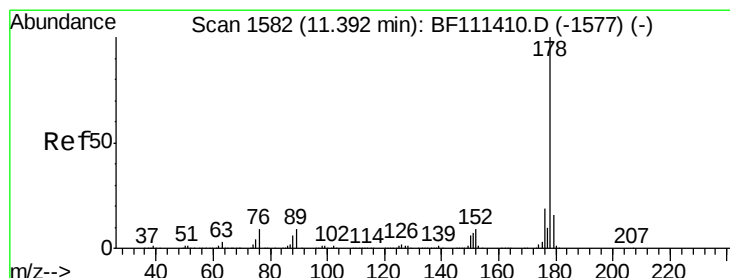
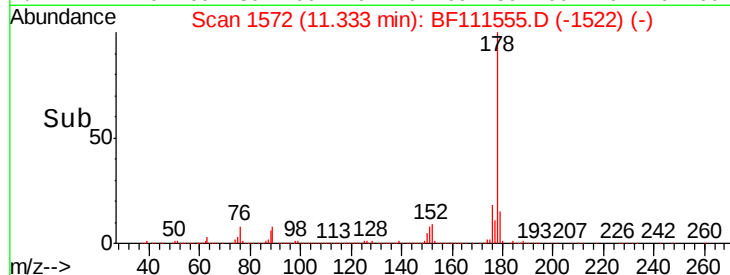
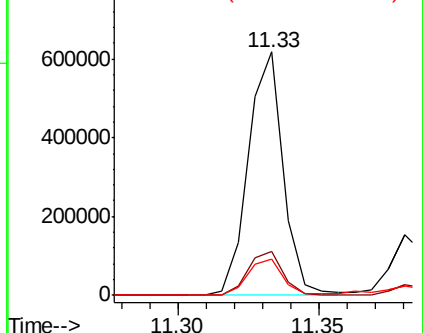


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 4.270 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF111555.D

Acq: 17 Dec 2018 22:45

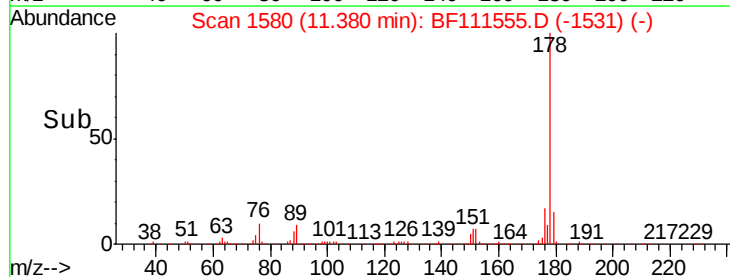
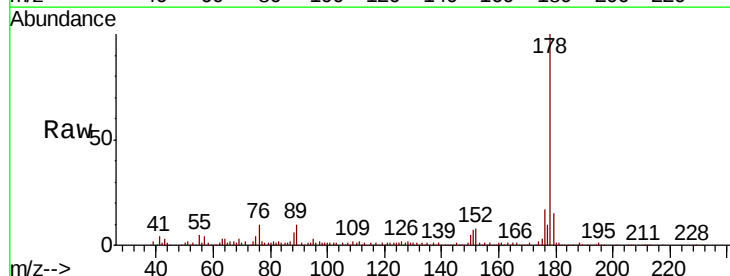
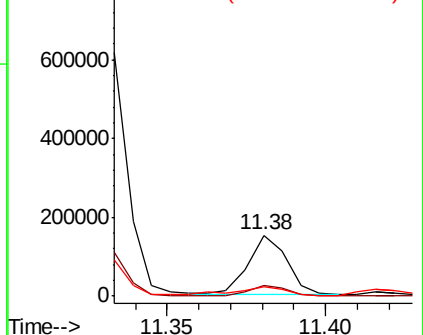
Tgt Ion:178	Resp:	128948
Ion Ratio	Lower	Upper
178	100	
176	17.2	17.2 25.8
179	15.4	13.8 20.8

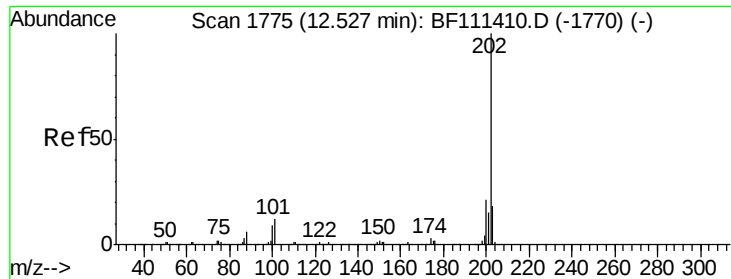
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 24.379 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111555.D

Acq: 17 Dec 2018 22:45

Instrument :

BNA_F

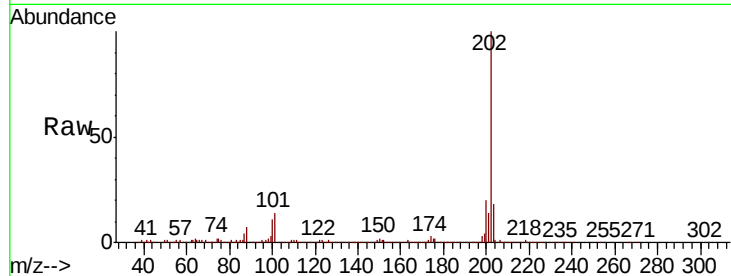
ClientSampled :

TP-4-A

Tot Ion:	202	Resp:	704219
Ion Ratio	Lower	Upper	
202	100		
101	14.2	0.0	33.8
203	17.6	0.0	38.6

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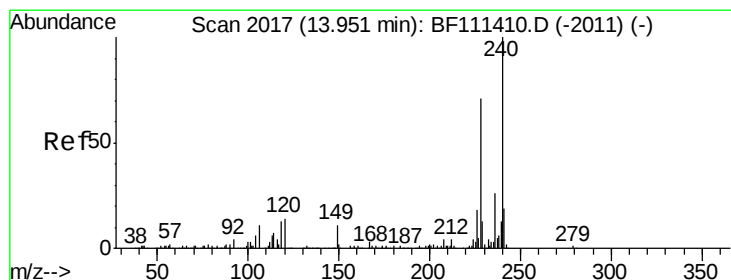
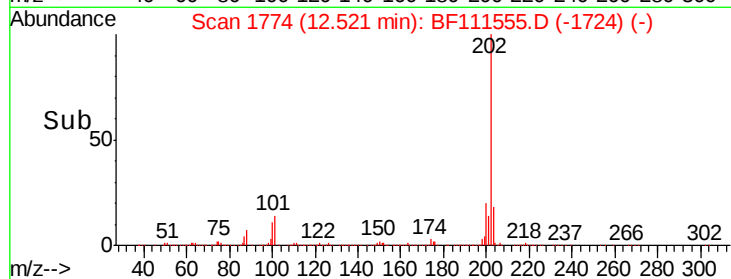
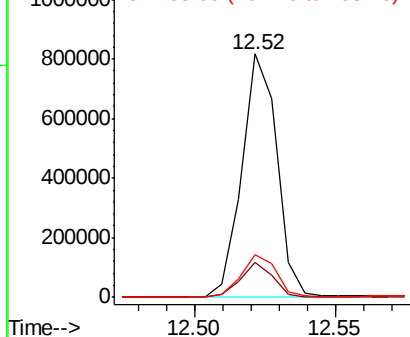


Abundance

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

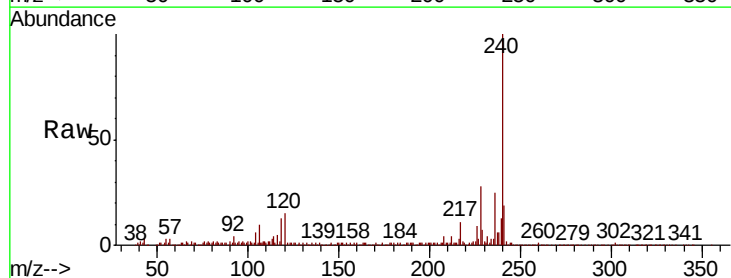
RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF111555.D

Acq: 17 Dec 2018 22:45

Tgt Ion:	240	Resp:	369438
Ion Ratio	Lower	Upper	
240	100		
120	14.6	12.2	18.2
236	25.4	20.2	30.2

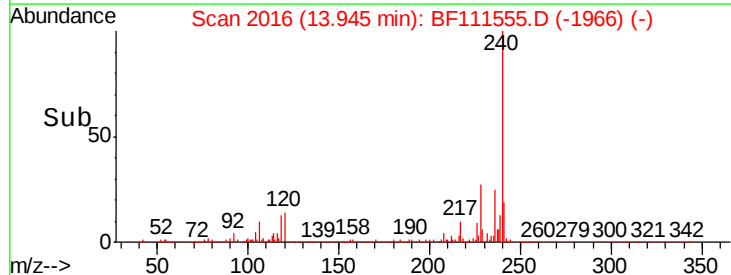
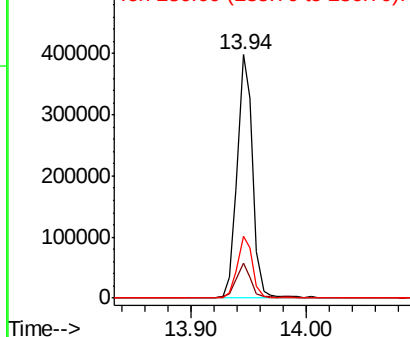


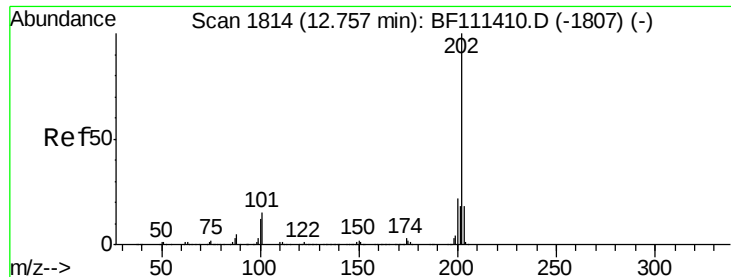
Abundance

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: 25.447 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF111555.D

Acq: 17 Dec 2018 22:45

Instrument :

BNA_F

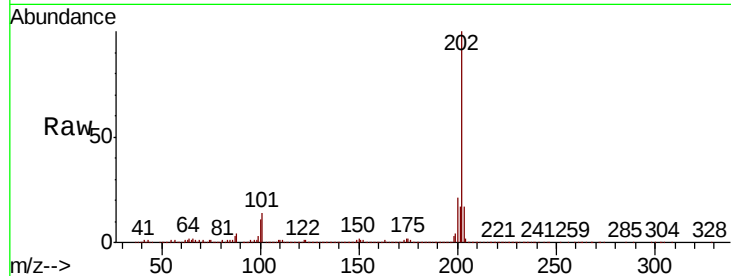
ClientSampleId :

TP-4-A

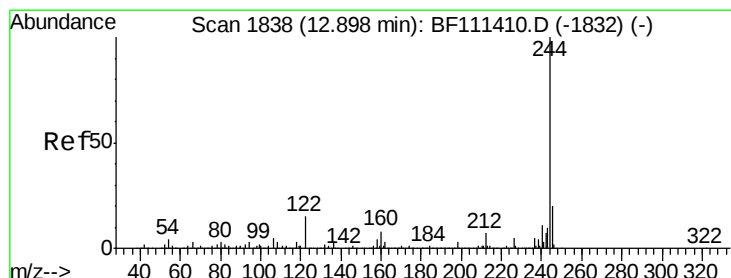
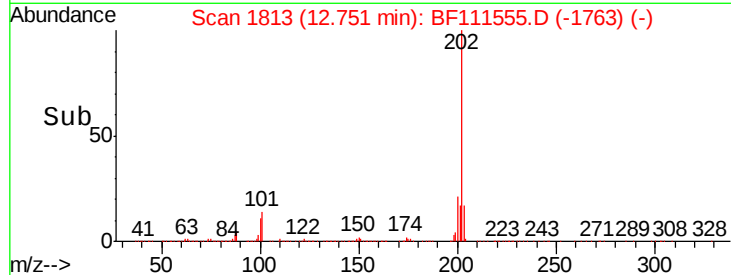
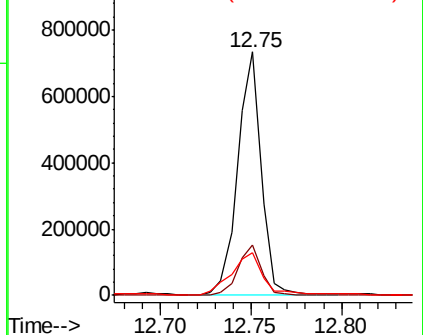
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	19.0	28.4
203	17.4	15.2	22.8

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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: 72.439 ng

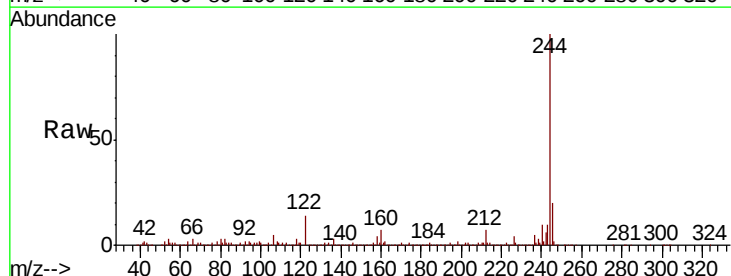
RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

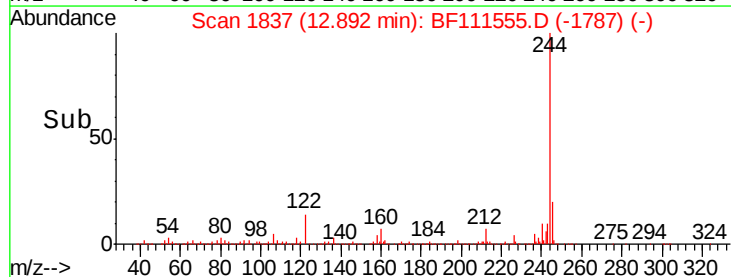
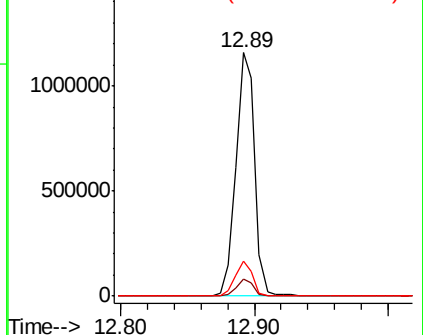
Lab File: BF111555.D

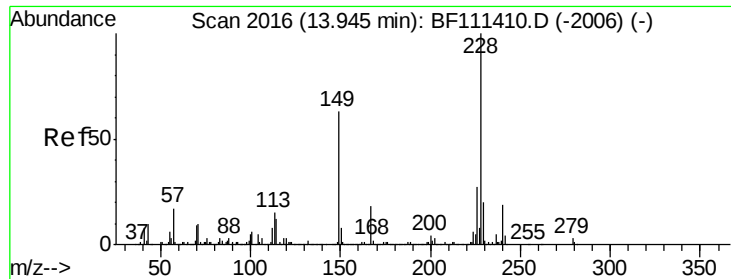
Acq: 17 Dec 2018 22:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	14.5	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





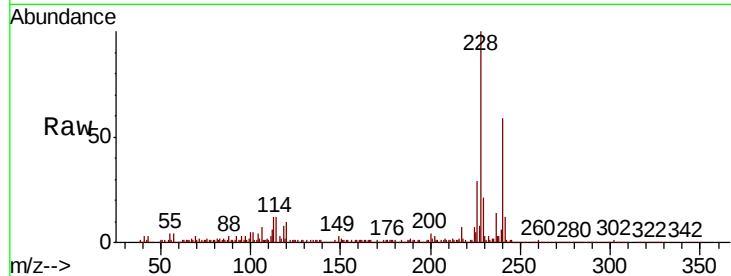
#81
Benzo(a)anthracene
Concen: 16.179 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF111555.D
Acq: 17 Dec 2018 22:45

Instrument :
BNA_F
ClientSampleId :
TP-4-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	34.0
229	20.8	16.3	24.5

Manual Integrations
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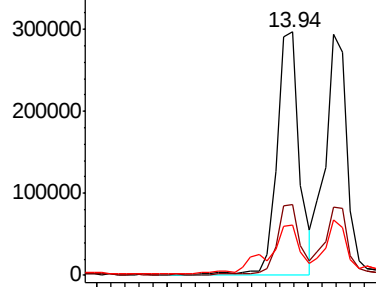


Abundance

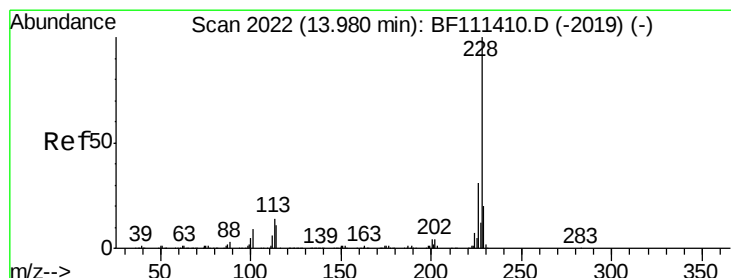
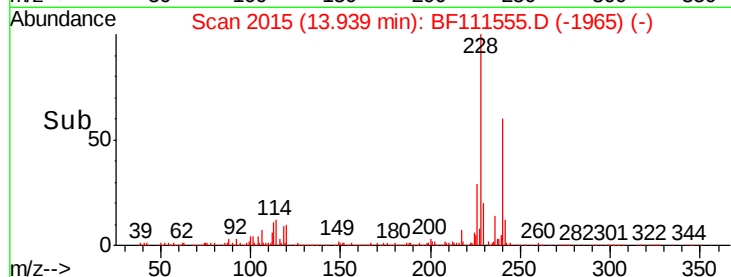
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#83
Chrysene
Concen: 15.030 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF111555.D
Acq: 17 Dec 2018 22:45

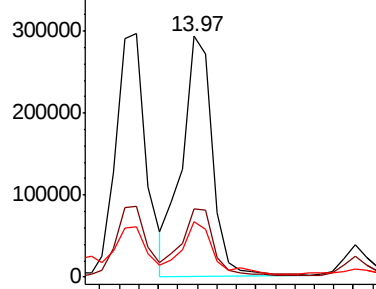
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	25.3	37.9
229	23.3	17.2	25.8

Abundance

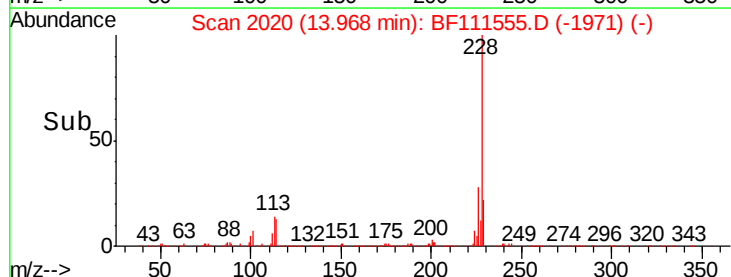
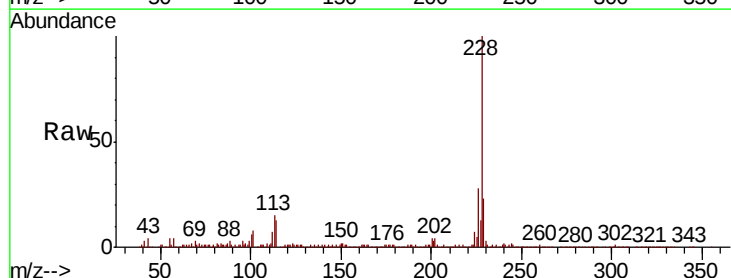
Ion 228.00 (227.70 to 228.70): E

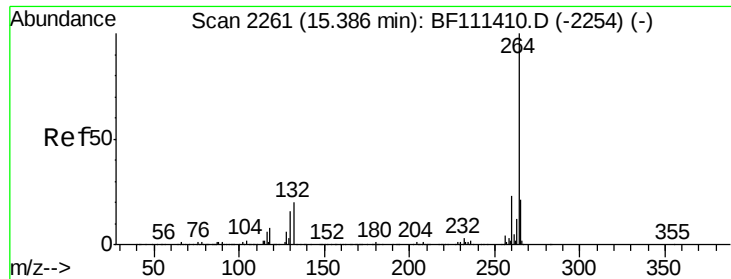
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2261

Delta R.T. 0.00 min

Lab File: BF111555.D

Acq: 17 Dec 2018 22:45

Instrument :

BNA_F

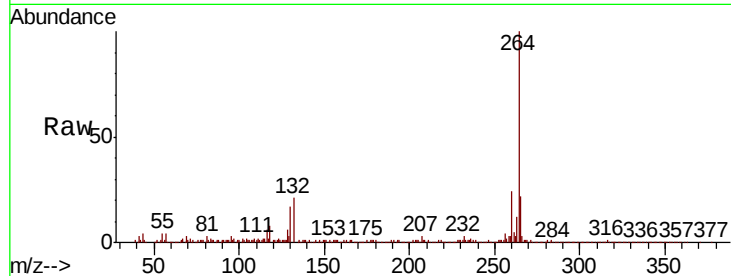
ClientSampleId :

TP-4-A

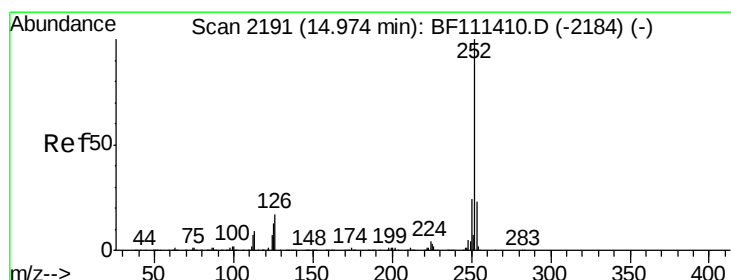
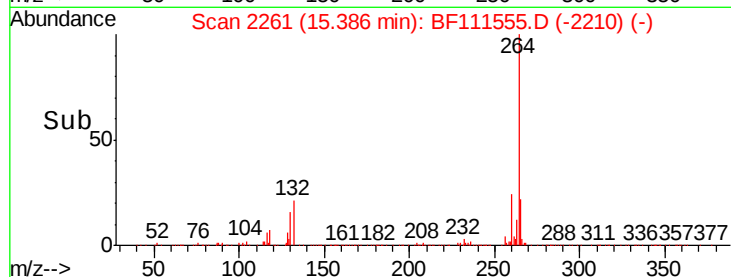
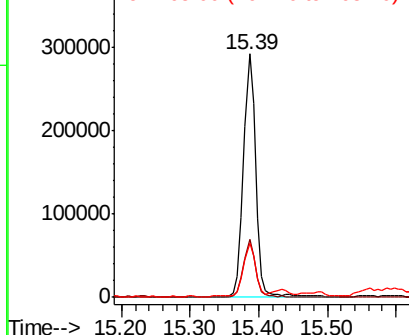
Tot Ion:	264	Resp:	356948
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.3	27.5
265	22.0	17.7	26.5

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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: 21.481 ng m

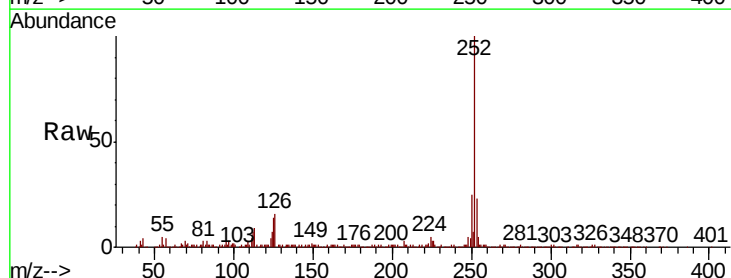
RT: 14.97 min Scan# 2191

Delta R.T. 0.00 min

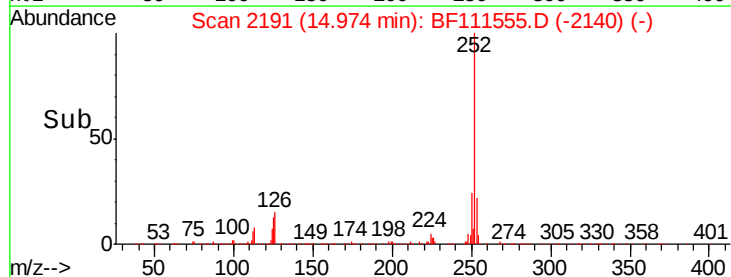
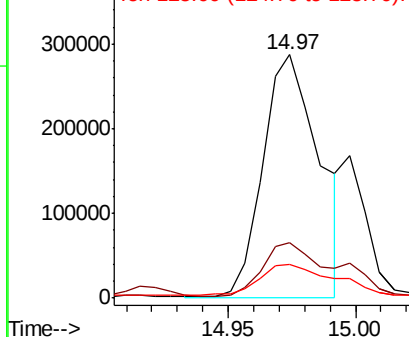
Lab File: BF111555.D

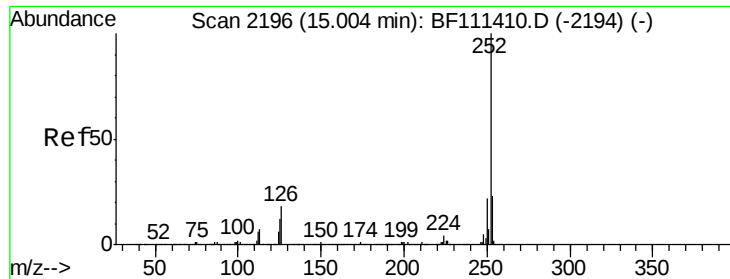
Acq: 17 Dec 2018 22:45

Tgt Ion:	252	Resp:	447041
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.2	27.2
125	13.8	10.4	15.6



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





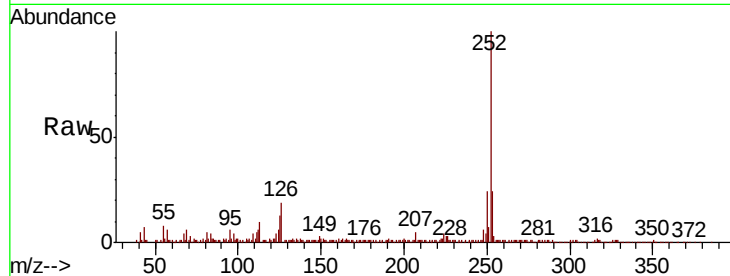
#89
Benzo(k)fluoranthene
Concen: 5.813 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF111555.D
Acq: 17 Dec 2018 22:45

Instrument :
BNA_F
ClientSampled :
TP-4-A

Tot Ion:	252	Resp:	115597
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.1	27.1
125	13.4	9.8	14.8

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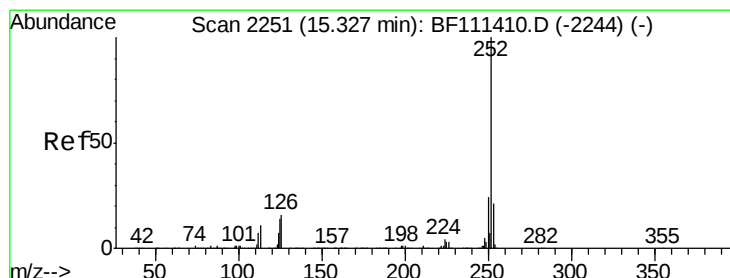
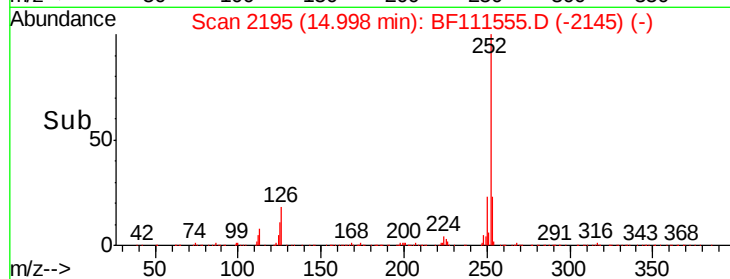
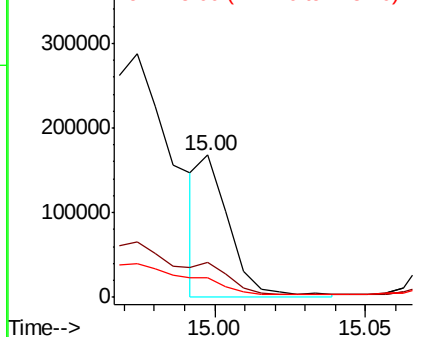


Abundance

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: 16.077 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.00 min
Lab File: BF111555.D
Acq: 17 Dec 2018 22:45

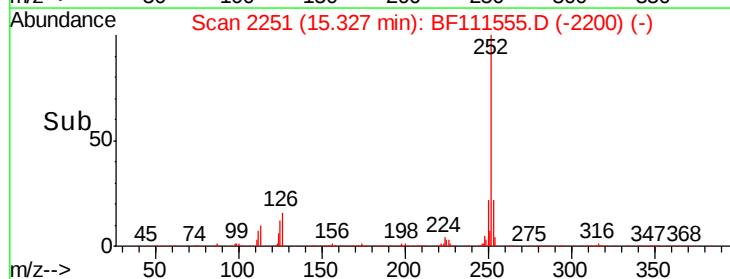
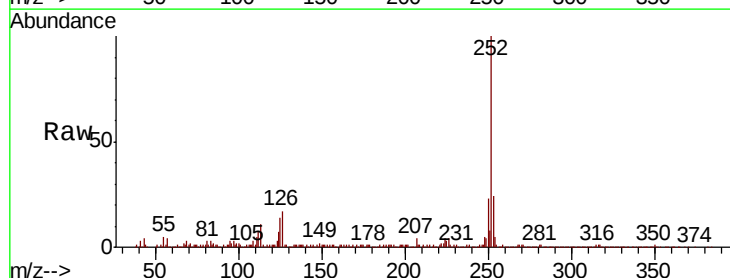
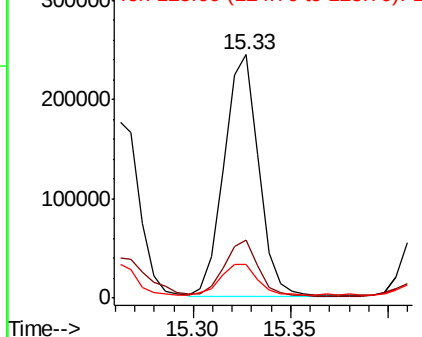
Tgt Ion:	252	Resp:	301698
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.8
125	13.9	12.3	18.5

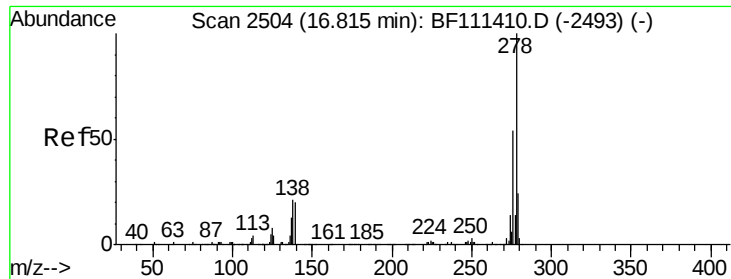
Abundance

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





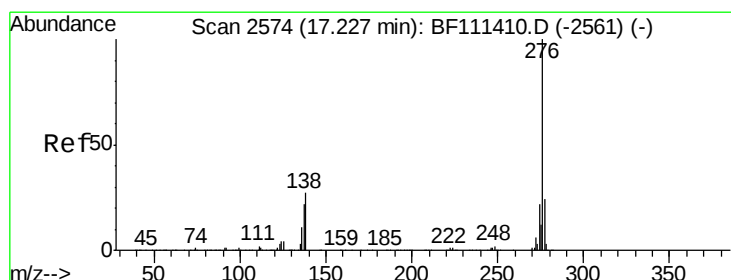
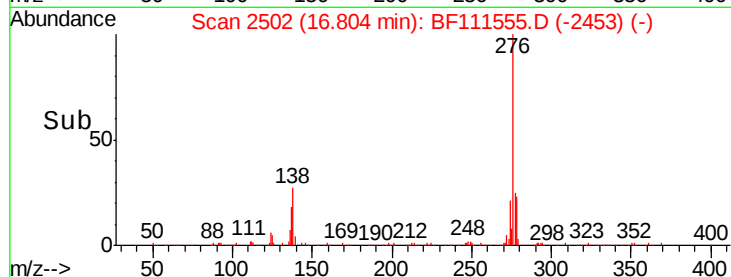
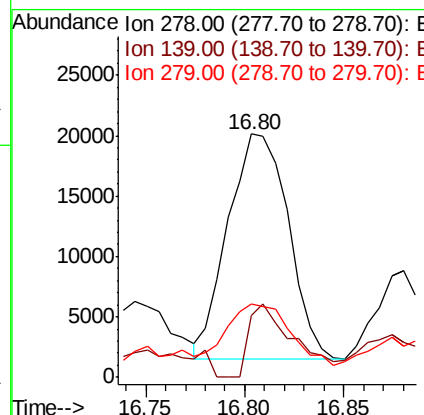
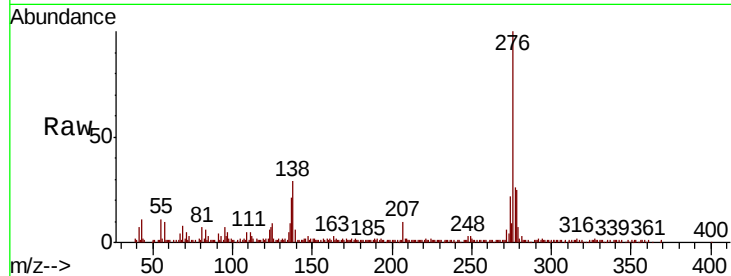
#91
Dibenzo(a,h)anthracene
Concen: 2.654 ng m
RT: 16.80 min Scan# 2502
Delta R.T. -0.01 min
Lab File: BF111555.D
Acq: 17 Dec 2018 22:45

Instrument :
BNA_F
ClientSampled :
TP-4-A

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.6	18.2	27.4
279	29.9	19.0	28.6

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#92
Benzo(g,h,i)perylene
Concen: 9.585 ng
RT: 17.23 min Scan# 2574
Delta R.T. 0.00 min
Lab File: BF111555.D
Acq: 17 Dec 2018 22:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.2	28.8
138	26.0	24.9	37.3

