

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
 Data File : BF111435.D
 Acq On : 14 Dec 2018 22:48
 Operator : JU/SJ
 Sample : J6371-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EB04-0-2

Manual Integrations
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Sohil
 12/17/2018 2:37:00 PM

Quant Time: Dec 14 23:26:17 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	175179	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	592630	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	235430	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	358186	20.00	ng	0.00
76) Chrysene-d12	13.96	240	304189	20.00	ng	0.00
87) Perylene-d12	15.39	264	227222	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	866229	82.28	ng	0.00
7) Phenol-d6	6.44	99	1131433	80.80	ng	0.00
23) Nitrobenzene-d5	7.35	82	606477	60.94	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	126431	59.95	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1041360	68.32	ng	0.00
79) Terphenyl-d14	12.90	244	789971	60.98	ng	0.00
Target Compounds						
10) Phenol	6.45	94	77177	4.948	ng	97
50) Dimethylphthalate	9.55	163	97843	5.771	ng	97
52) Acenaphthene	9.86	154	29638	2.083	ng	93
58) Fluorene	10.37	166	34811	2.324	ng	99
71) Phenanthrene	11.34	178	668720	36.232	ng	94
72) Anthracene	11.39	178	126086	6.680	ng	93
73) Carbazole	11.54	167	58116	2.977	ng	# 94
75) Fluoranthene	12.53	202	1177630	65.221	ng	100
78) Pyrene	12.76	202	1103249	51.442	ng	96
81) Benzo(a)anthracene	13.94	228	517172	31.268	ng	99
83) Chrysene	13.98	228	505910	29.035	ng	97
86) Indeno(1,2,3-cd)pyrene	16.81	276	244893m	19.474	ng	
88) Benzo(b)fluoranthene	14.98	252	521734m	39.384	ng	
89) Benzo(k)fluoranthene	15.00	252	151547m	11.972	ng	
90) Benzo(a)pyrene	15.33	252	330962	27.705	ng	97
91) Dibenzo(a,h)anthracene	16.81	278	62891	6.674	ng	# 72
92) Benzo(a,h,i)perylene	17.23	276	236221	25.538	ng	98

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

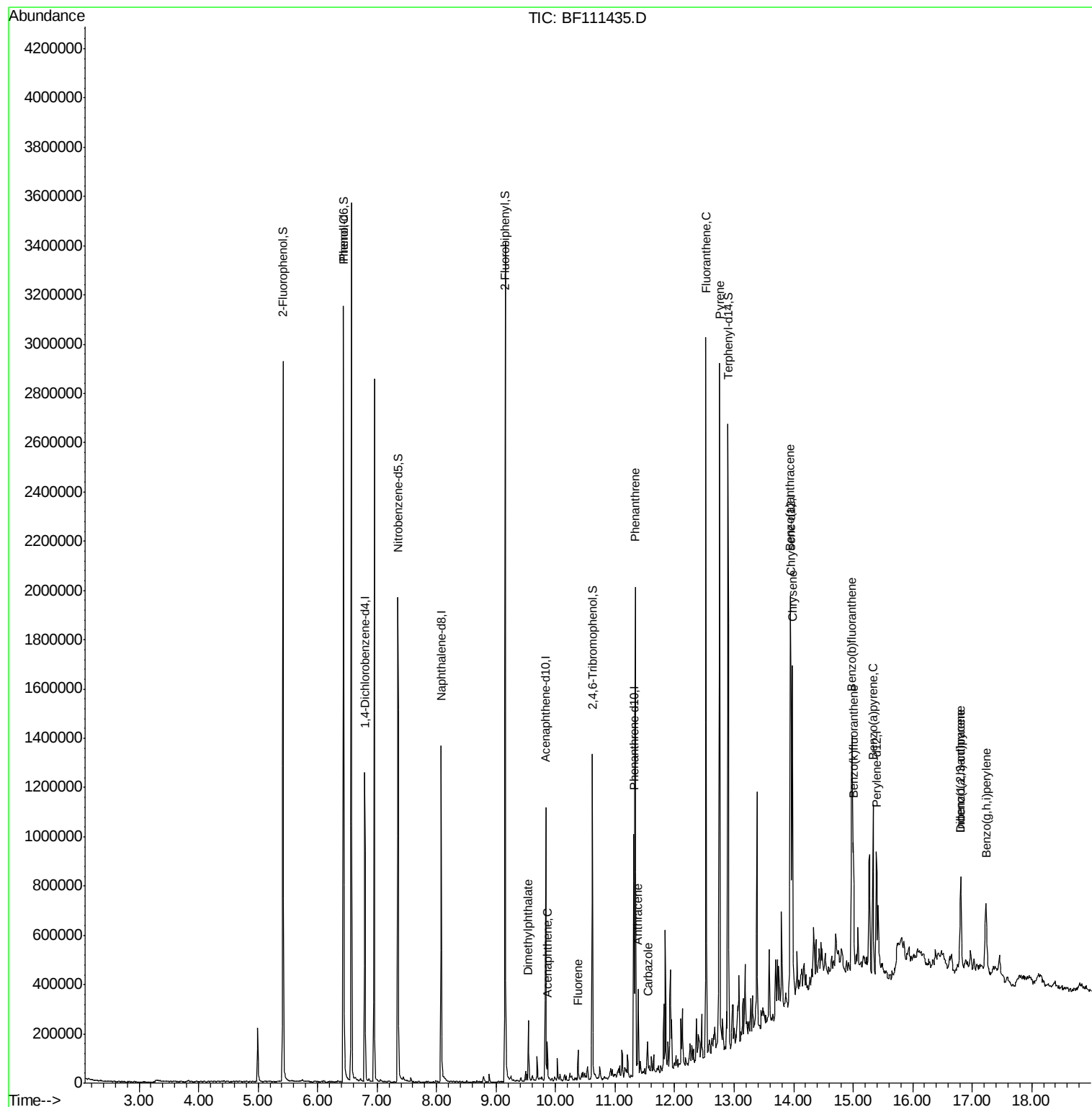
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
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ALS Vial : 21 Sample Multiplier: 1

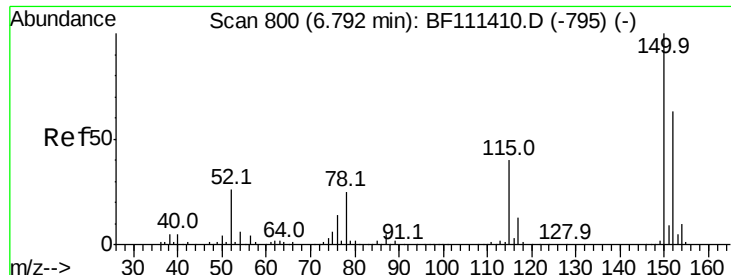
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF111435.D

Acq: 14 Dec 2018 22:48

Instrument :

BNA_F

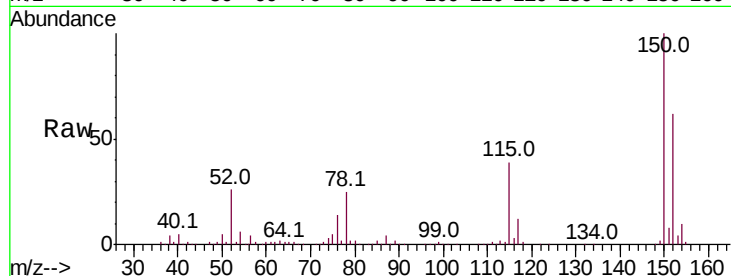
ClientSampleId :

EB04-0-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.9	126.6	189.8
115	63.4	50.7	76.1

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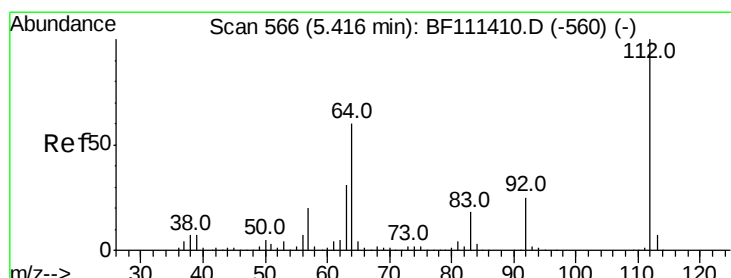
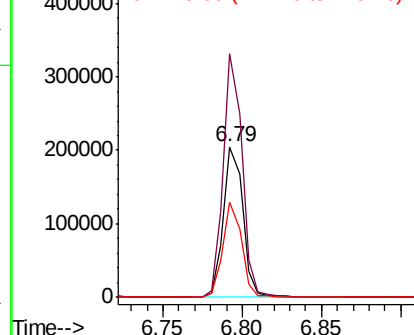
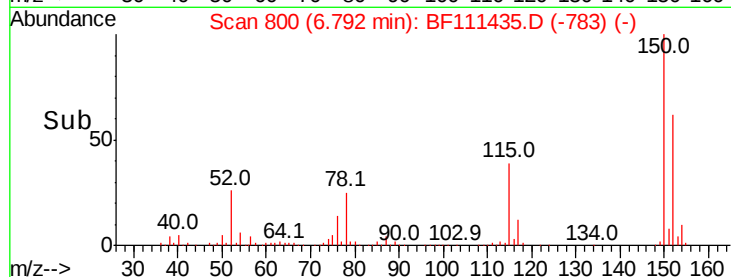


Abundance

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: 82.285 ng

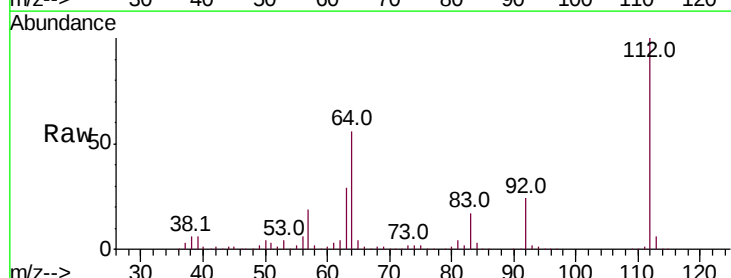
RT: 5.42 min Scan# 567

Delta R.T. 0.01 min

Lab File: BF111435.D

Acq: 14 Dec 2018 22:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	51.8	77.6
63	29.2	26.8	40.2

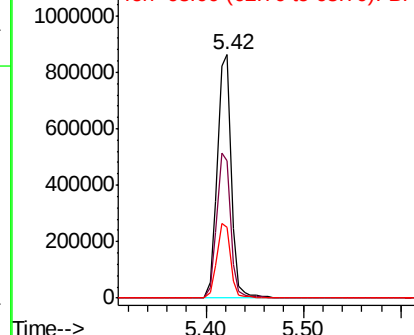
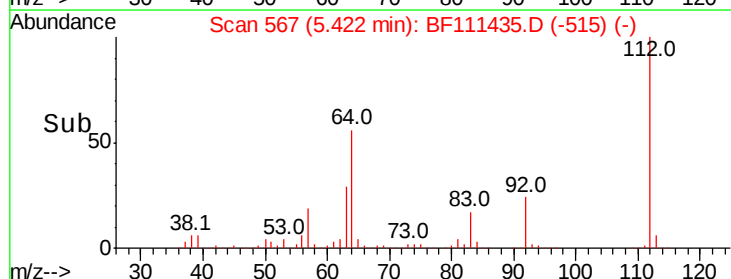


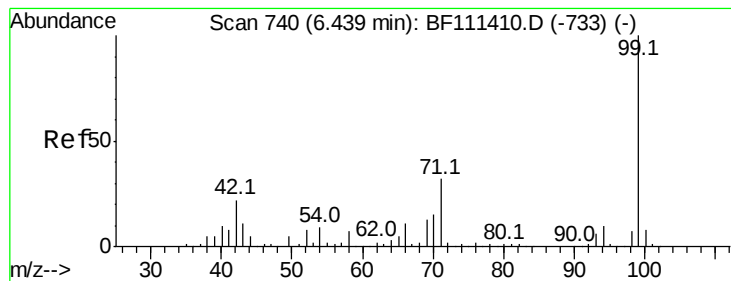
Abundance

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: 80.799 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111435.D

Acq: 14 Dec 2018 22:48

Instrument :

BNA_F

ClientSampled :

EB04-0-2

Tot Ion: 99 Resp: 1131433

Ion Ratio Lower Upper

99 100

42 19.5 17.4 26.0

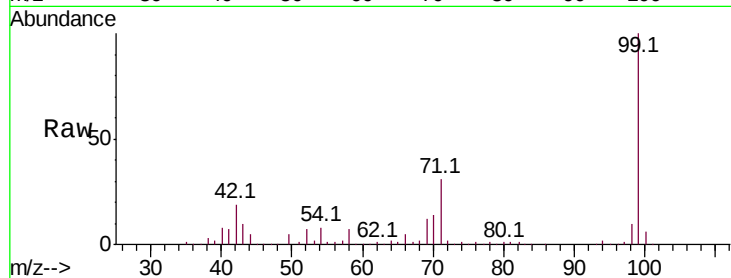
71 30.6 26.1 39.1

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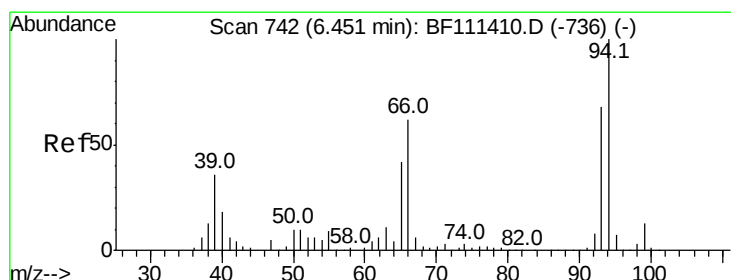
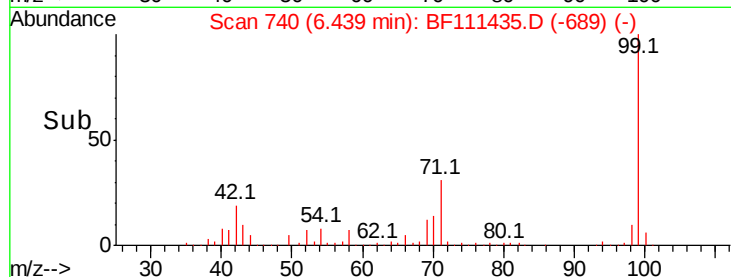
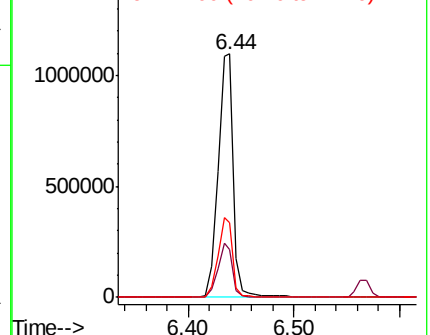
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.948 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF111435.D

Acq: 14 Dec 2018 22:48

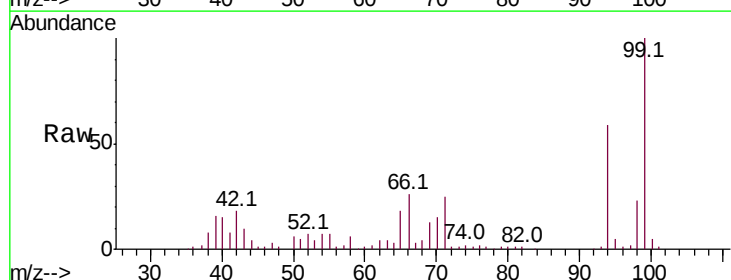
Tgt Ion: 94 Resp: 77177

Ion Ratio Lower Upper

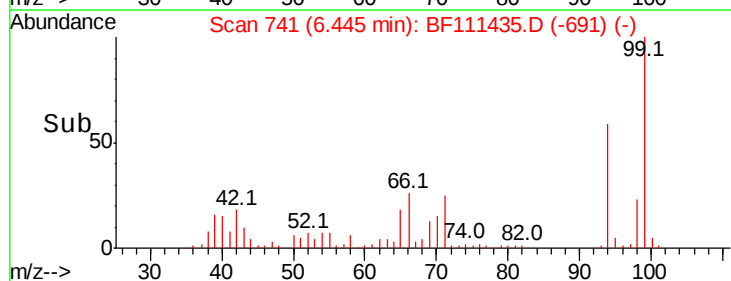
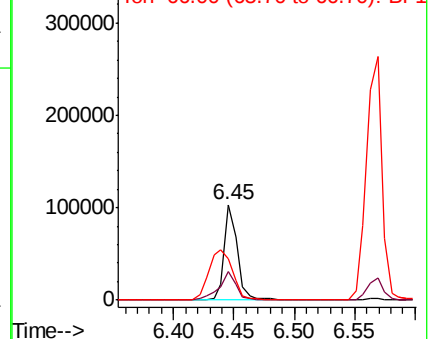
94 100

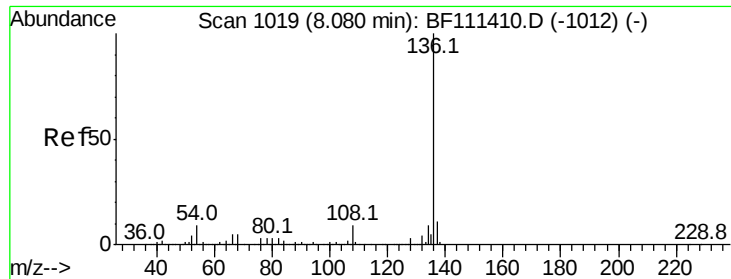
65 30.0 11.7 51.7

66 43.2 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





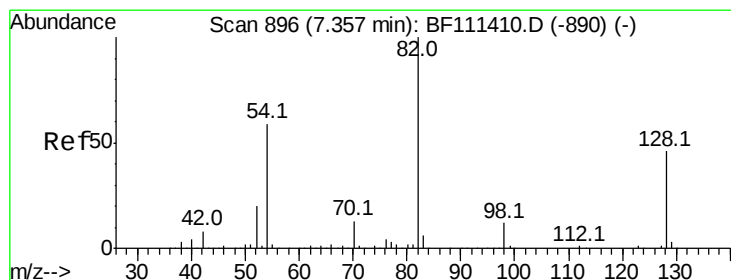
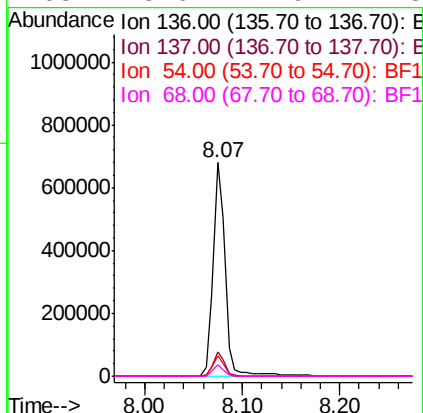
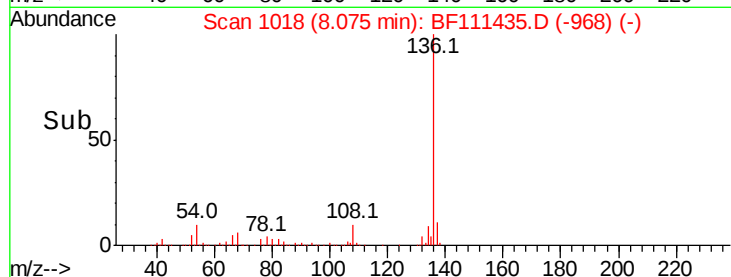
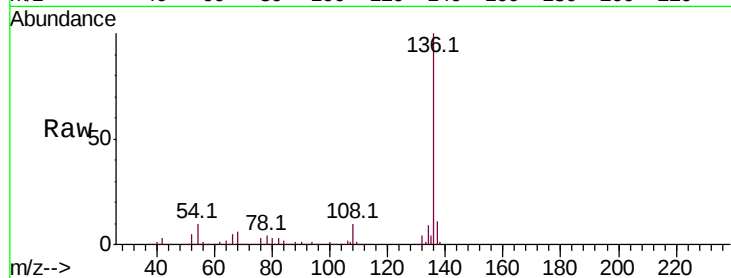
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111435.D
Acq: 14 Dec 2018 22:48

Instrument :
BNA_F
ClientSampleId :
EB04-0-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	9.1	13.7	
54	9.8	7.7	11.5	
68	5.6	4.9	7.3	

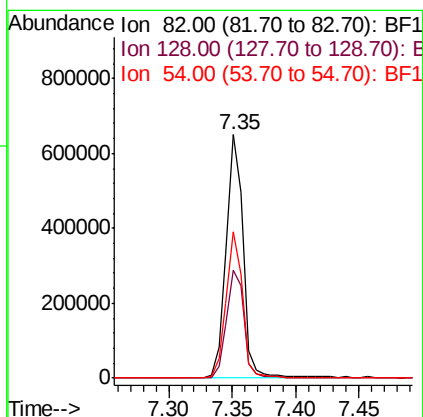
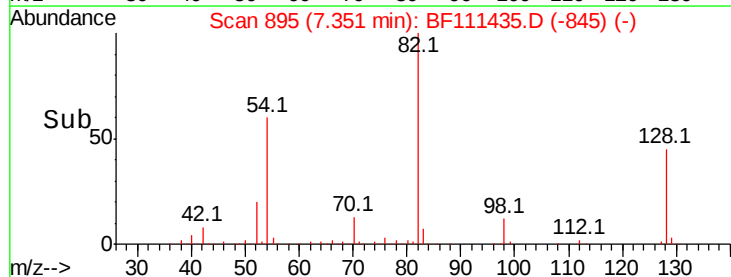
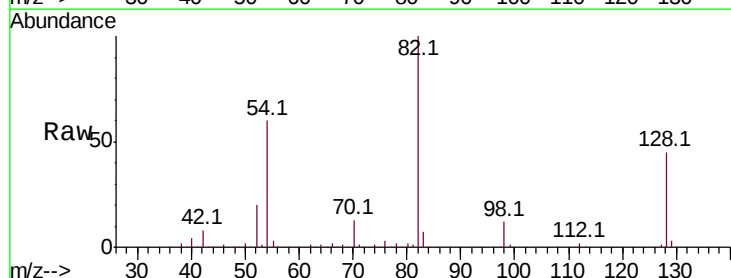
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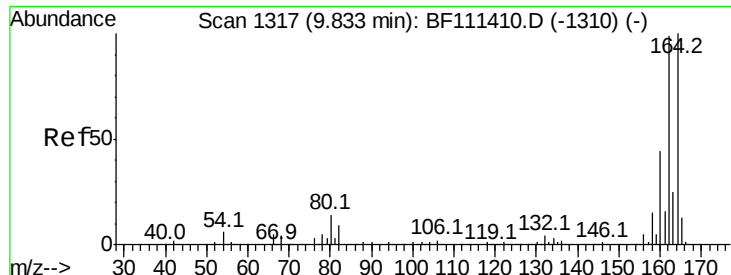
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#23
Nitrobenzene-d5
Concen: 60.940 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111435.D
Acq: 14 Dec 2018 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.5	37.4	56.2	
54	60.3	47.6	71.4	





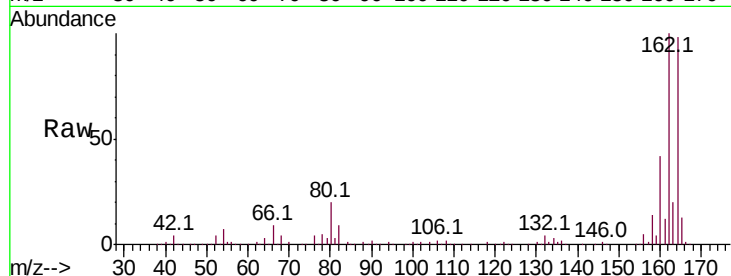
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111435.D
Acq: 14 Dec 2018 22:48

Instrument :
BNA_F
ClientSampleId :
EB04-0-2

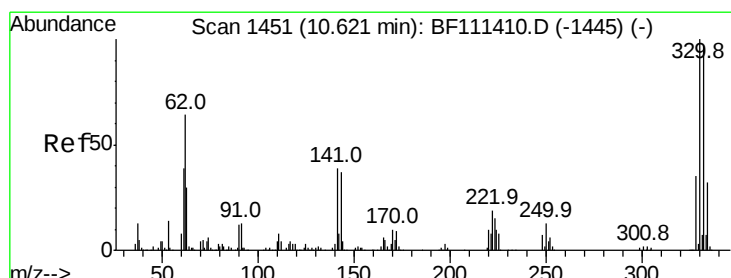
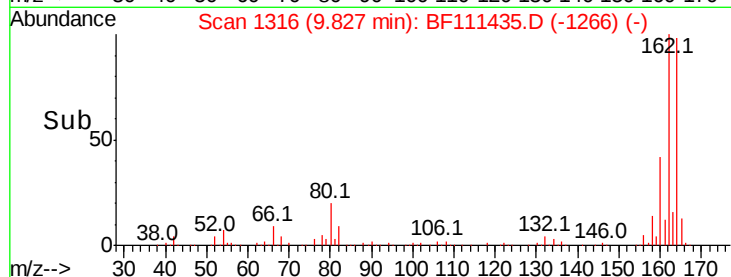
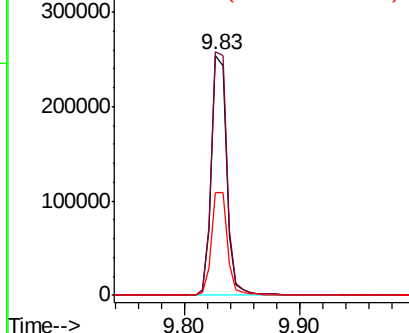
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.5	81.4	122.0	
160	42.7	35.7	53.5	

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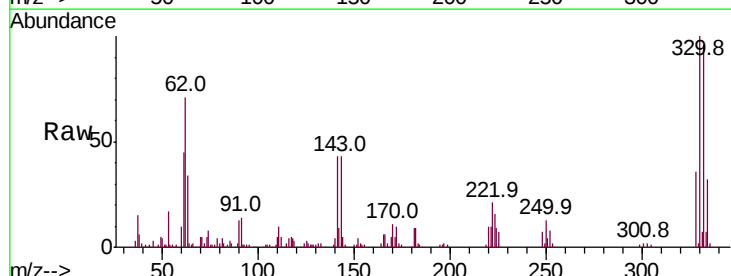


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

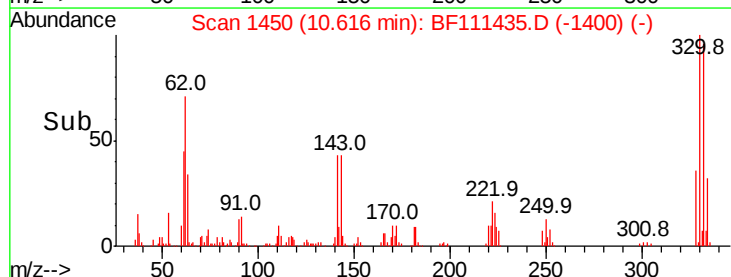
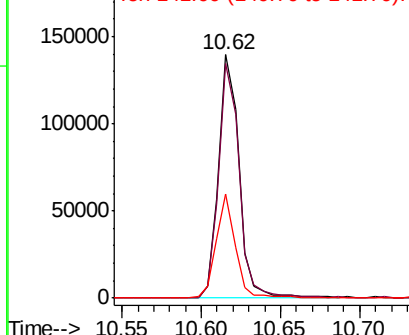


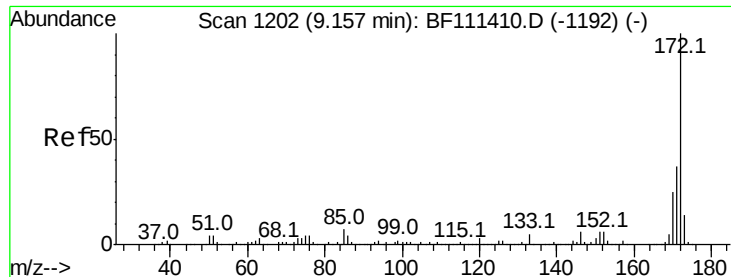
#42
2,4,6-Tribromophenol
Concen: 59.950 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111435.D
Acq: 14 Dec 2018 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.6	76.0	114.0	
141	41.1	31.0	46.6	



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





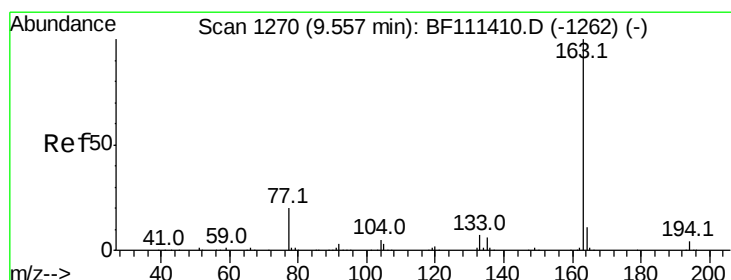
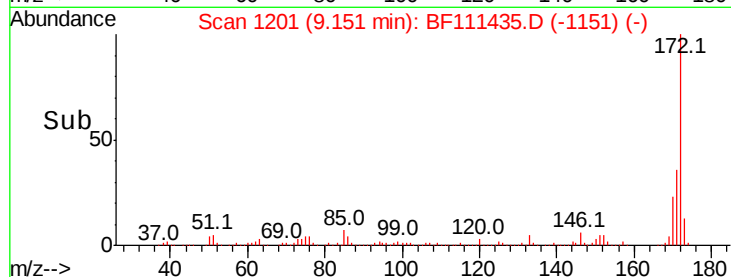
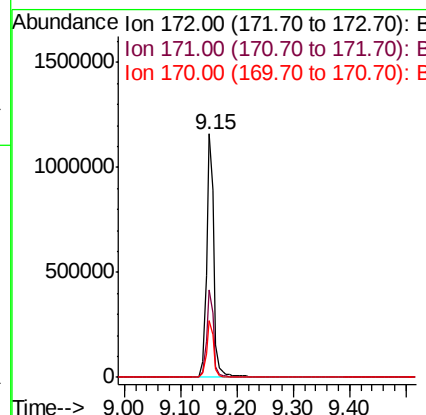
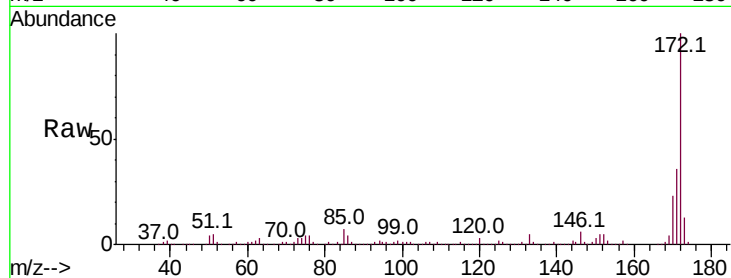
#45
 2-Fluorobiphenyl
 Concen: 68.323 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111435.D
 Acq: 14 Dec 2018 22:48

Instrument :
 BNA_F
 ClientSampled :
 EB04-0-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	33.0	49.4
170	23.3	22.3	33.5

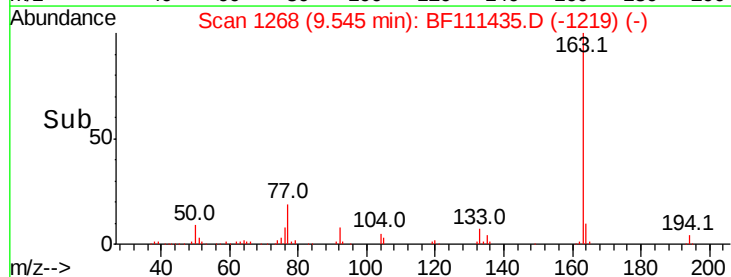
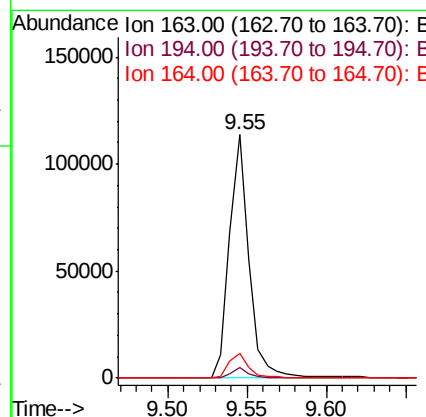
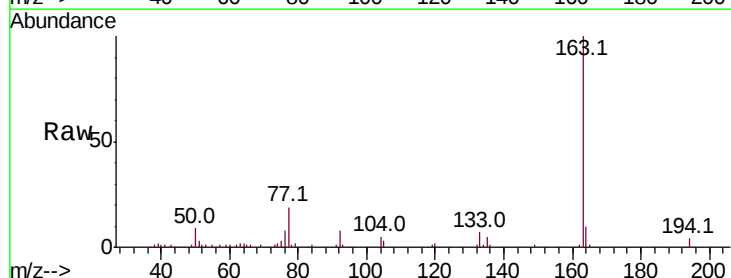
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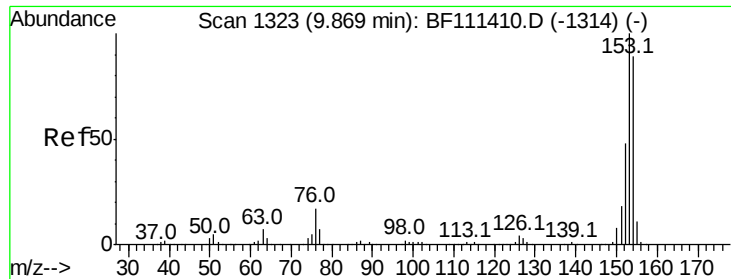
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#50
 Dimethylphthalate
 Concen: 5.771 ng
 RT: 9.55 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: BF111435.D
 Acq: 14 Dec 2018 22:48

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.6
164	9.9	8.9	13.3





#52

Acenaphthene

Concen: 2.083 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF111435.D

Acq: 14 Dec 2018 22:48

Instrument :

BNA_F

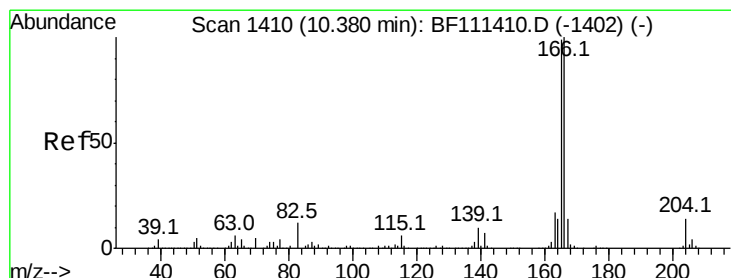
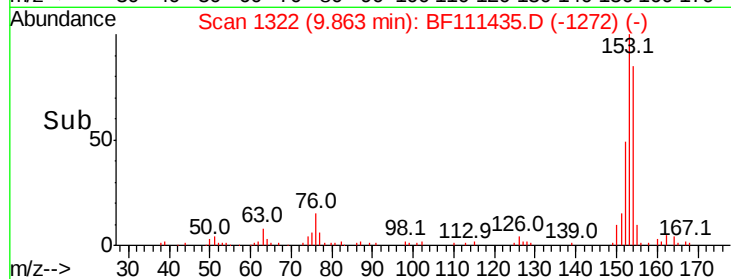
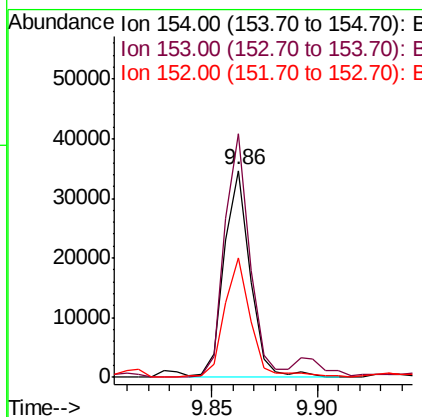
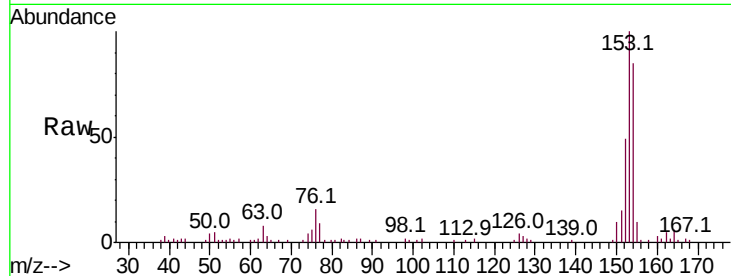
ClientSampleId :

EB04-0-2

Tot Ion:	154	Resp:	29638
Ion Ratio	Lower	Upper	
154	100		
153	117.7	87.8	131.8
152	58.1	43.4	65.2

Manual Integrations
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#58

Fluorene

Concen: 2.324 ng

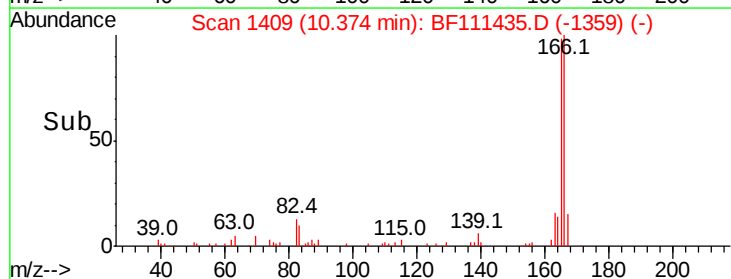
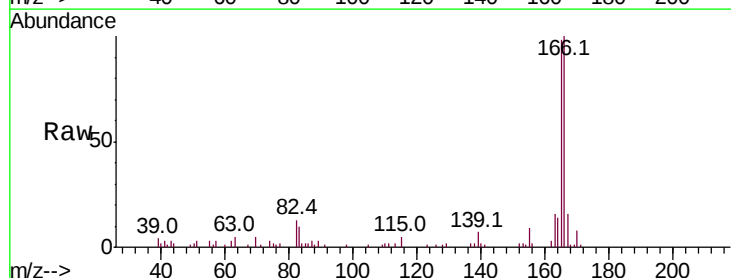
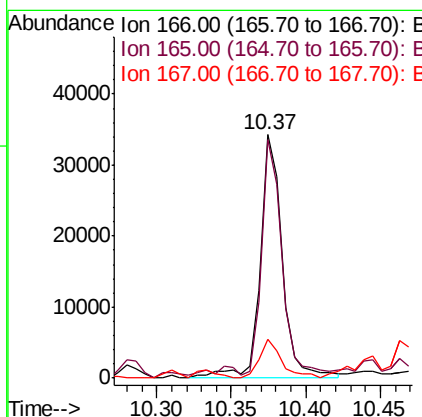
RT: 10.37 min Scan# 1409

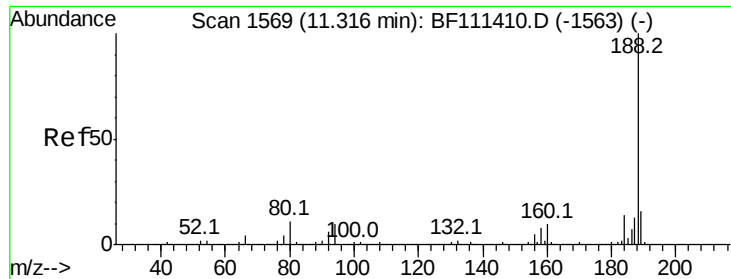
Delta R.T. -0.01 min

Lab File: BF111435.D

Acq: 14 Dec 2018 22:48

Tgt Ion:	166	Resp:	34811
Ion Ratio	Lower	Upper	
166	100		
165	97.9	78.4	117.6
167	16.0	11.2	16.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BF111435.D

Acq: 14 Dec 2018 22:48

Instrument :

BNA_F

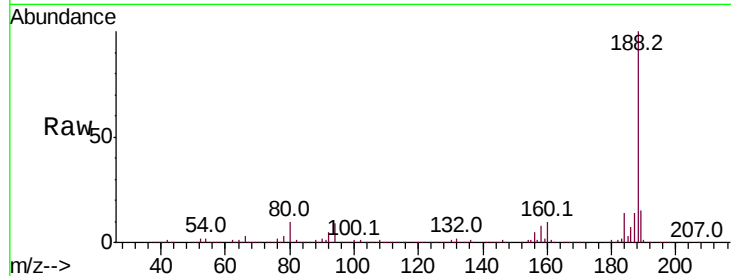
ClientSampleId :

EB04-0-2

Tot Ion:	188	Resp:	358186
Ion Ratio	Lower	Upper	
188	100		
94	9.3	9.6	14.4#
80	10.1	9.8	14.6

Manual Integrations
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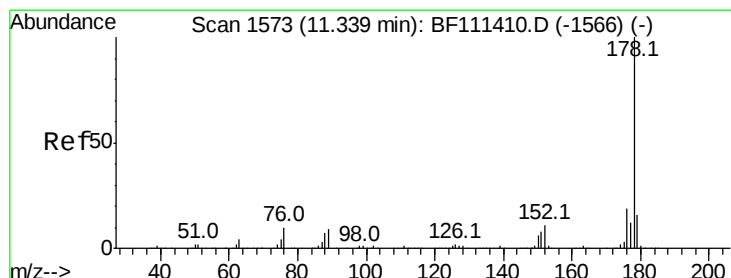
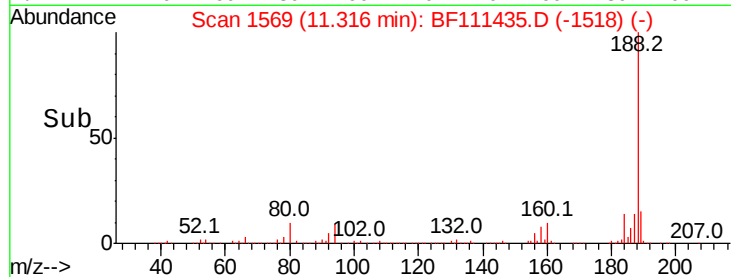
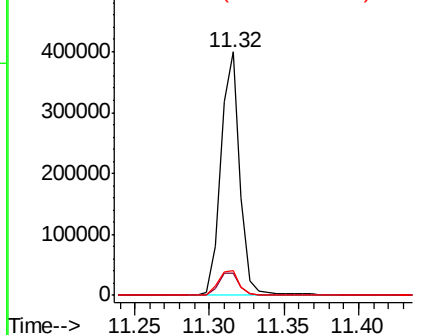
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 36.232 ng

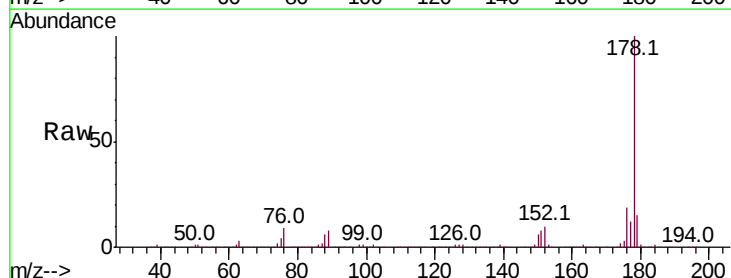
RT: 11.34 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BF111435.D

Acq: 14 Dec 2018 22:48

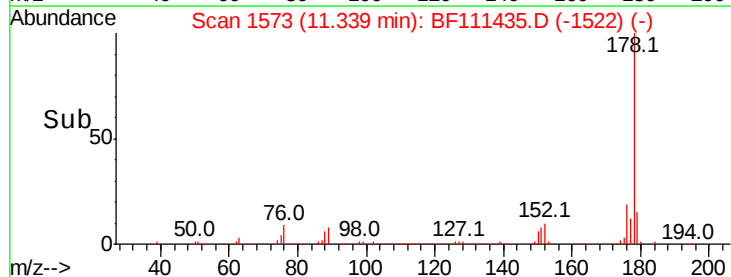
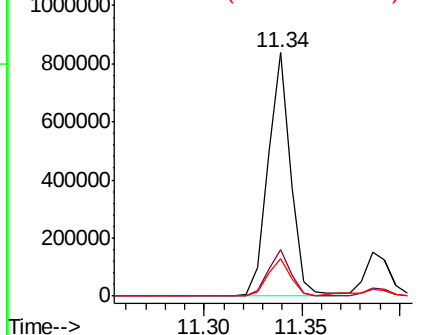
Tgt Ion:	178	Resp:	668720
Ion Ratio	Lower	Upper	
178	100		
176	19.4	18.1	27.1
179	15.3	14.0	21.0

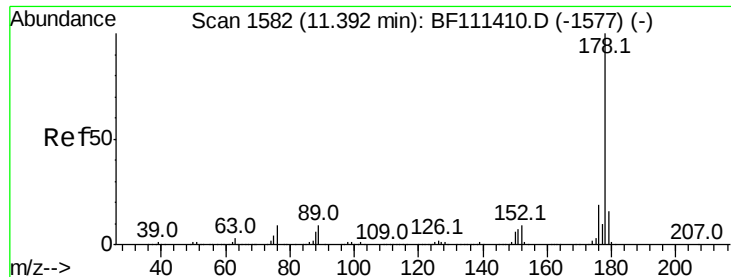


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 6.680 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF111435.D

Acq: 14 Dec 2018 22:48

Instrument :

BNA_F

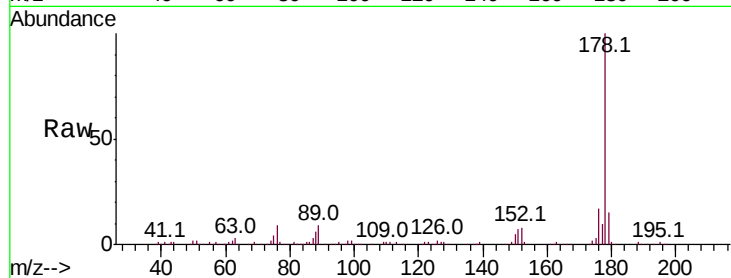
ClientSampled :

EB04-0-2

Tot Ion:	178	Resp:	126086
Ion Ratio	Lower	Upper	
178	100		
176	17.3	17.2	25.8
179	15.0	13.8	20.8

Manual Integrations
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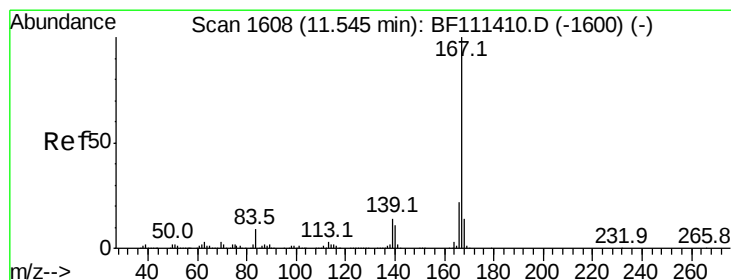
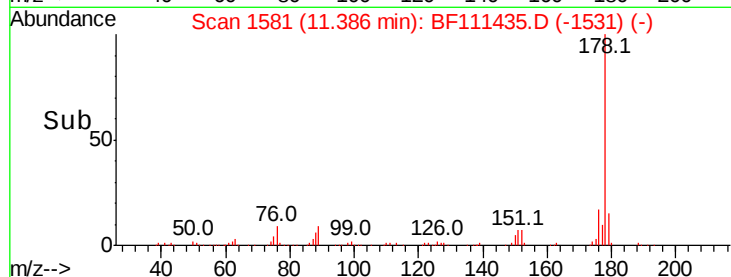
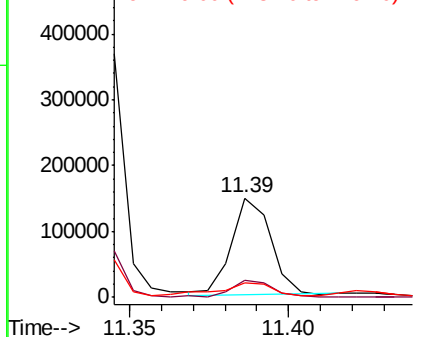
Sohil
12/17/2018 2:37:00 PM



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



#73

Carbazole

Concen: 2.977 ng

RT: 11.54 min Scan# 1608

Delta R.T. 0.00 min

Lab File: BF111435.D

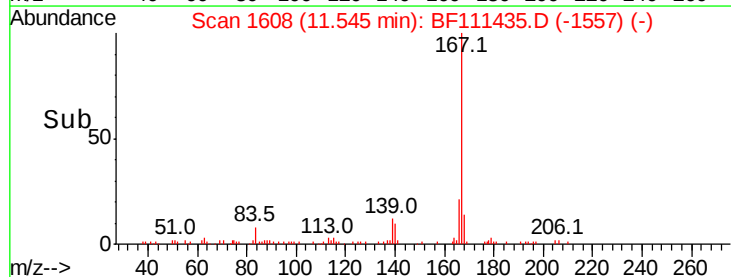
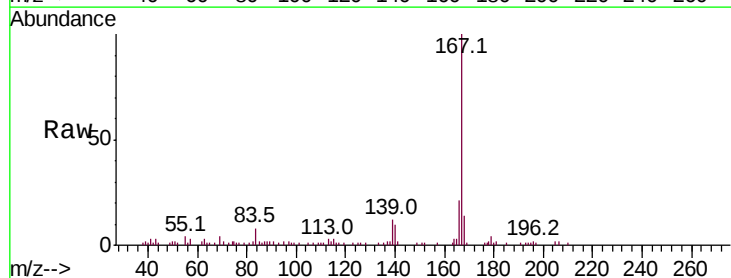
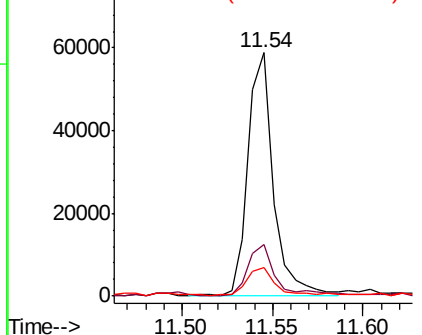
Acq: 14 Dec 2018 22:48

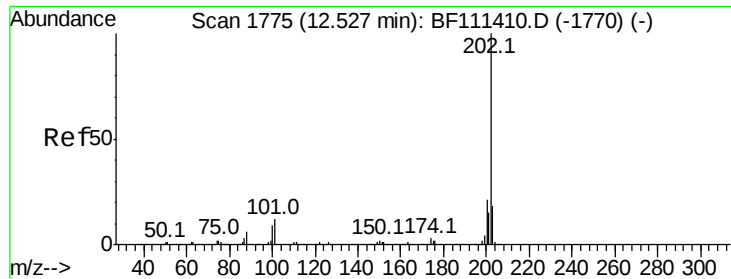
Tgt Ion:	167	Resp:	58116
Ion Ratio	Lower	Upper	
167	100		
166	21.3	19.3	28.9
139	11.8	11.9	17.9#

Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 65.221 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF111435.D

Acq: 14 Dec 2018 22:48

Instrument :

BNA_F

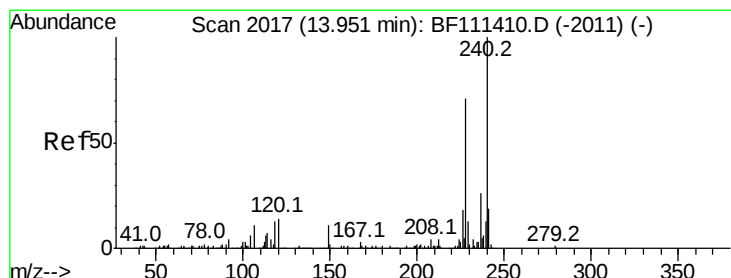
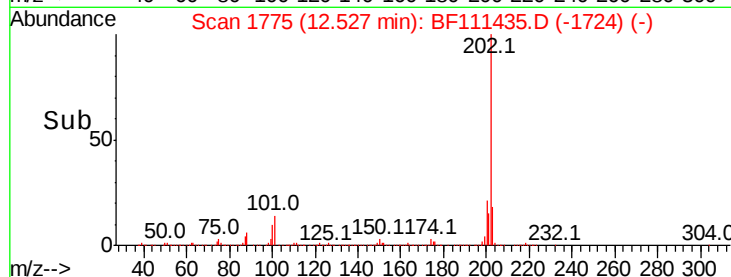
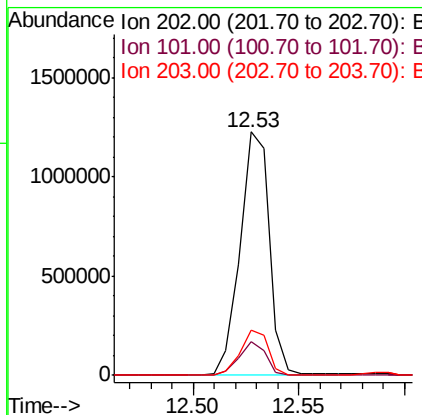
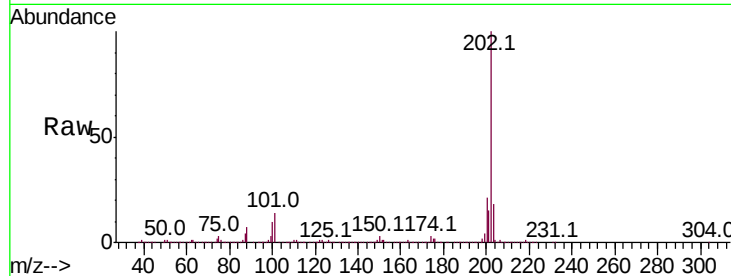
ClientSampleId :

EB04-0-2

Tot Ion:	202	Resp:	1177630
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	33.8
203	18.4	0.0	38.6

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

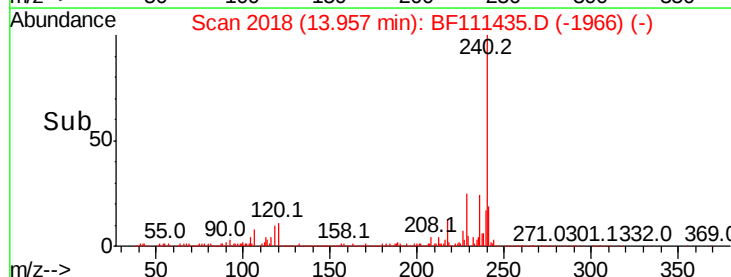
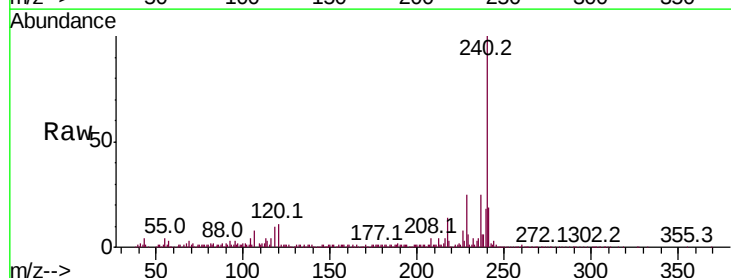
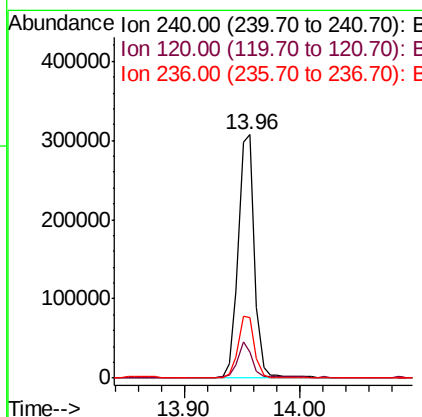
RT: 13.96 min Scan# 2018

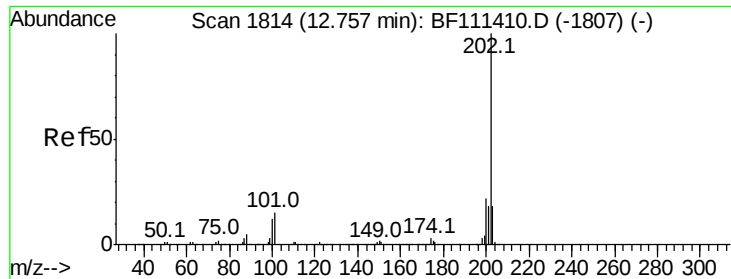
Delta R.T. 0.01 min

Lab File: BF111435.D

Acq: 14 Dec 2018 22:48

Tgt Ion:	240	Resp:	304189
Ion Ratio	Lower	Upper	
240	100		
120	10.9	12.2	18.2#
236	24.8	20.2	30.2





#78

Pvrene

Concen: 51.442 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.00 min

Lab File: BF111435.D

Acq: 14 Dec 2018 22:48

Instrument :

BNA_F

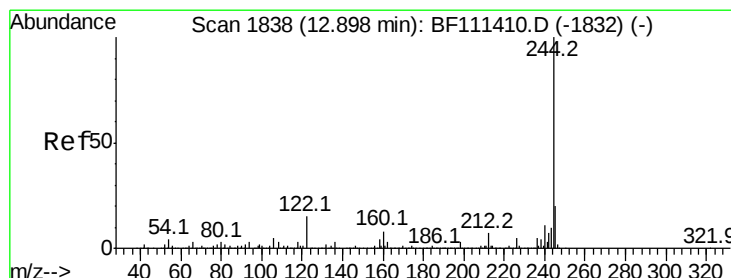
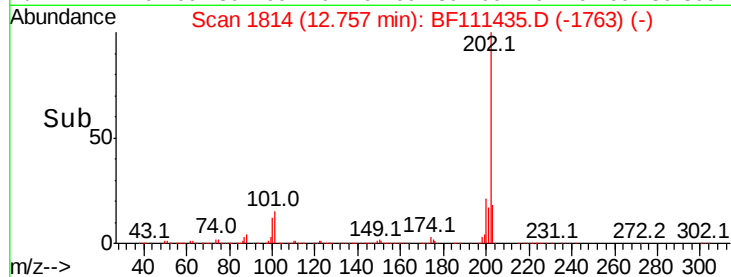
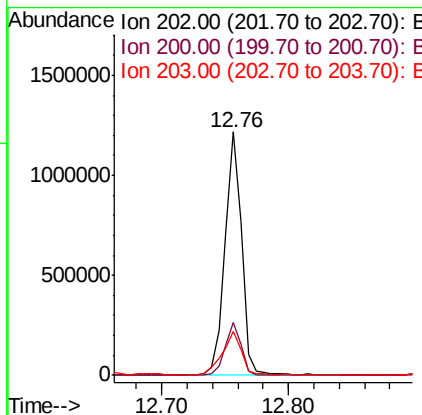
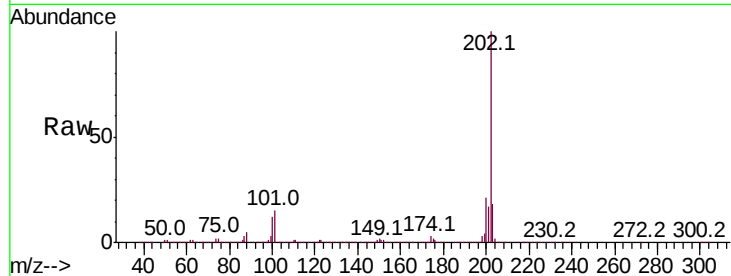
ClientSampled :

EB04-0-2

Tot Ion:	202	Resp:	1103249
Ion Ratio	Lower	Upper	
202	100		
200	21.5	19.0	28.4
203	17.9	15.2	22.8

Manual Integrations
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#79

Terphenyl-d14

Concen: 60.983 ng

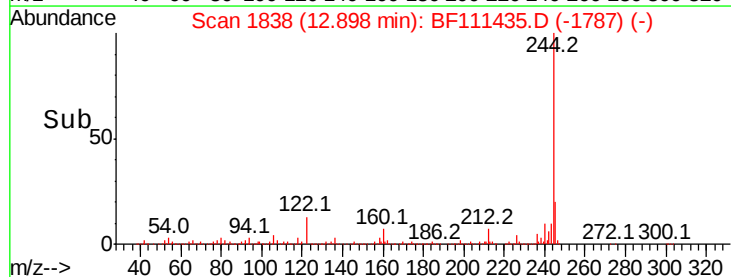
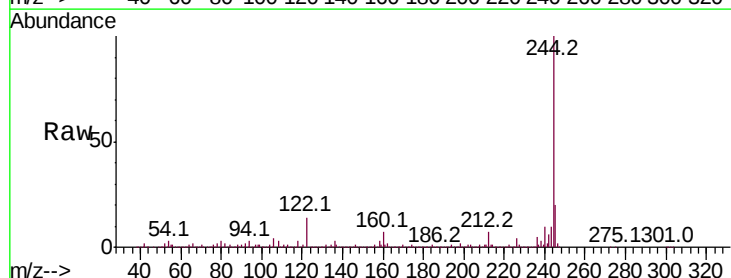
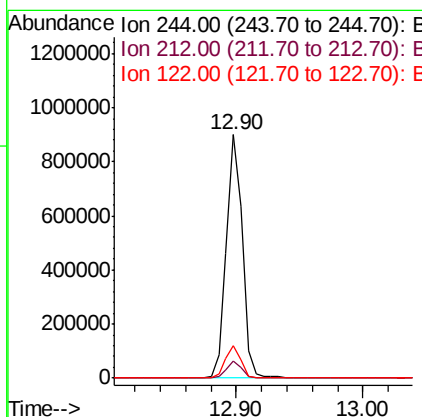
RT: 12.90 min Scan# 1838

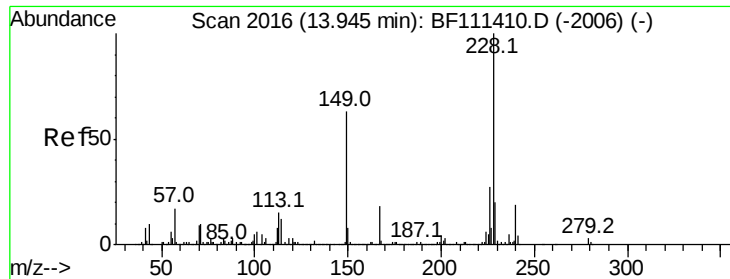
Delta R.T. 0.00 min

Lab File: BF111435.D

Acq: 14 Dec 2018 22:48

Tgt Ion:	244	Resp:	789971
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.7	8.5
122	13.5	13.1	19.7





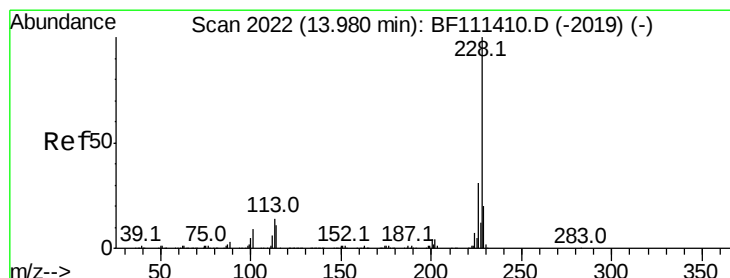
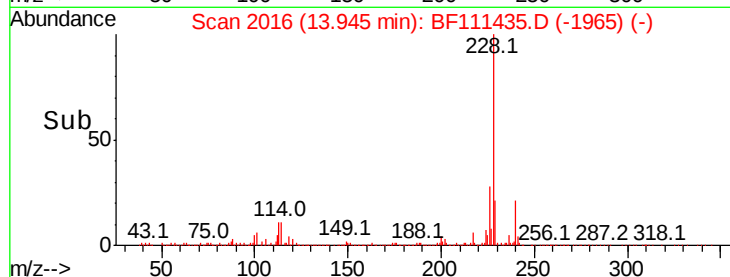
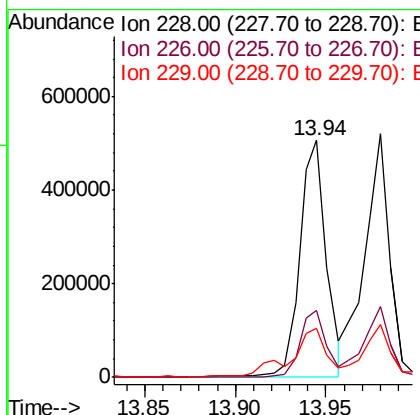
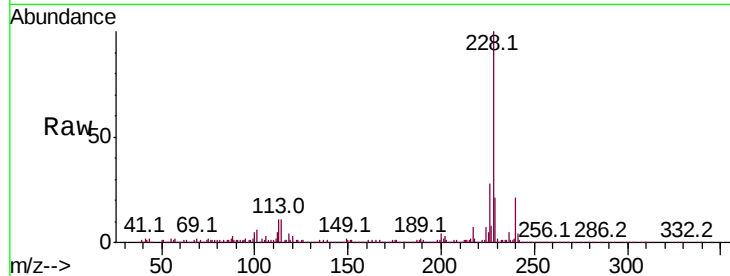
#81
Benzo(a)anthracene
Concen: 31.268 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BF111435.D
Acq: 14 Dec 2018 22:48

Instrument :
BNA_F
ClientSampleId :
EB04-0-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	34.0
229	20.9	16.3	24.5

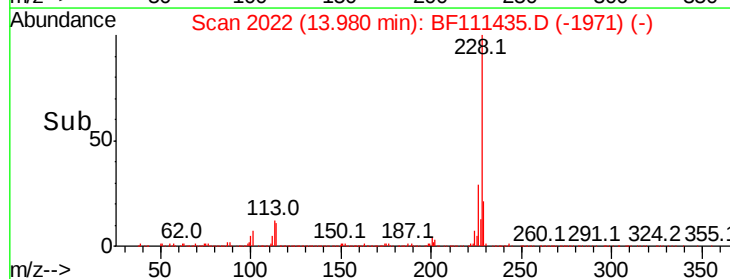
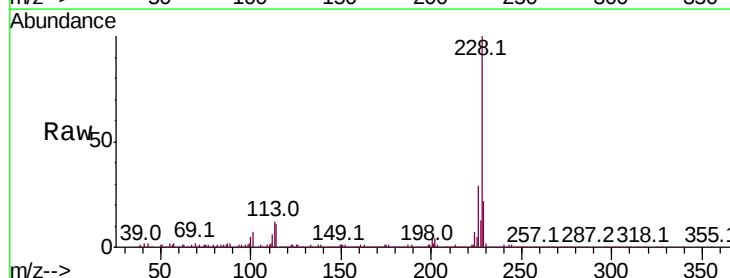
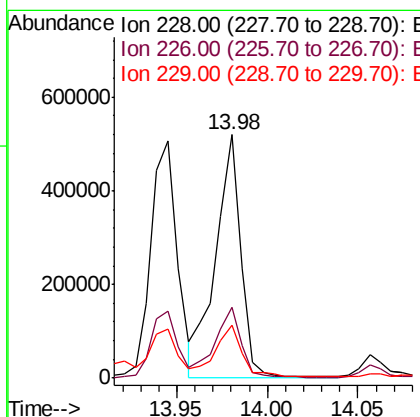
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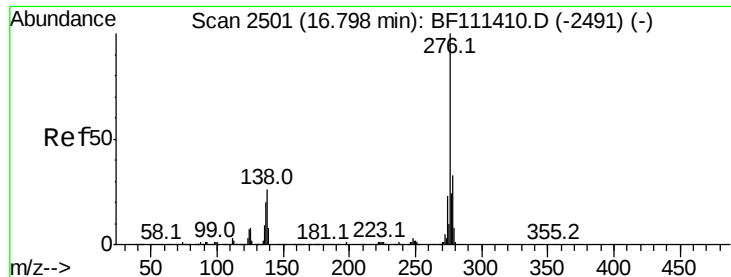
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#83
Chrysene
Concen: 29.035 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BF111435.D
Acq: 14 Dec 2018 22:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.3	37.9
229	21.7	17.2	25.8





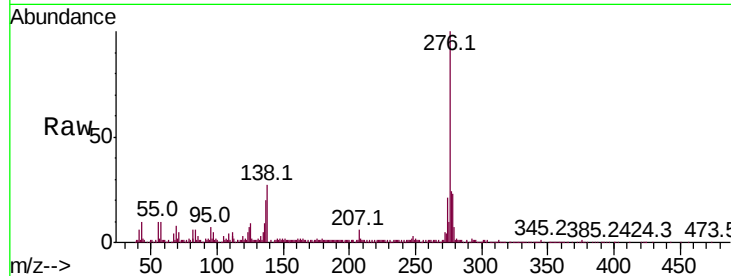
#86
Indeno(1,2,3-cd)pyrene
Concen: 19.474 ng
RT: 16.81 min Scan# 2503
Delta R.T. 0.01 min
Lab File: BF111435.D
Acq: 14 Dec 2018 22:48

Instrument :
BNA_F
ClientSampleId :
EB04-0-2

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	5.1	27.8	41.6#
277	4.8	20.1	30.1#

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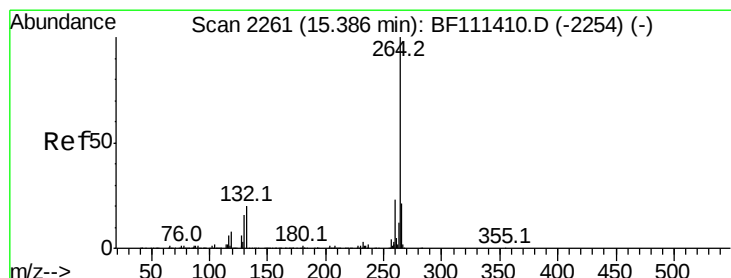
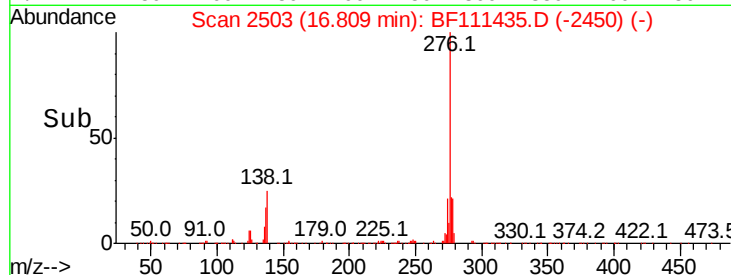
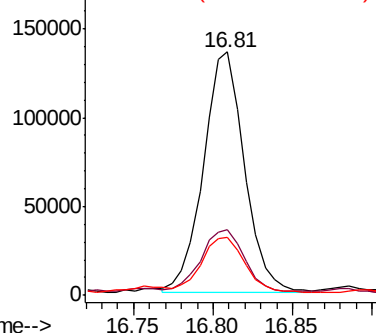


Abundance

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: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111435.D
Acq: 14 Dec 2018 22:48

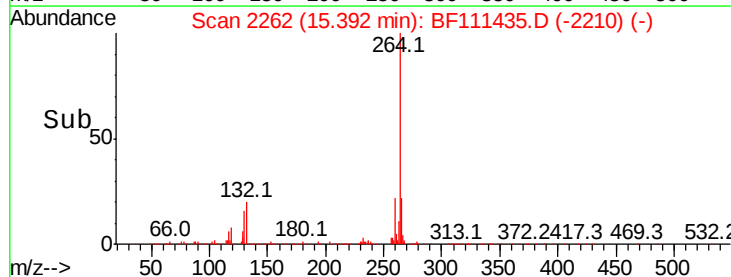
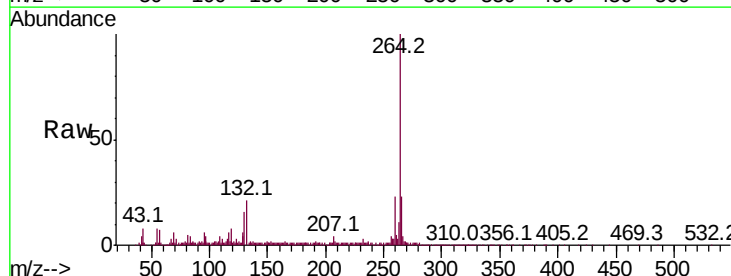
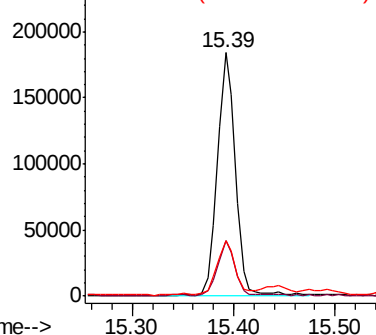
Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	22.6	18.3	27.5
265	22.7	17.7	26.5

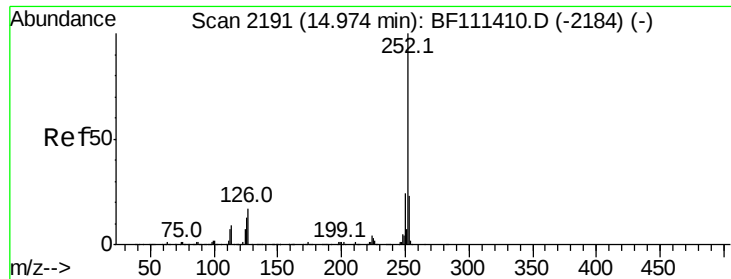
Abundance

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: 39.384 ng m

RT: 14.98 min Scan# 2192

Delta R.T. 0.01 min

Lab File: BF111435.D

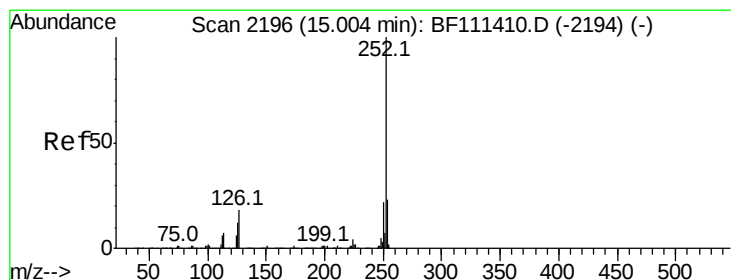
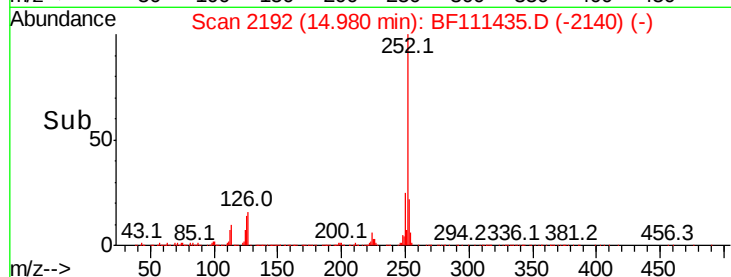
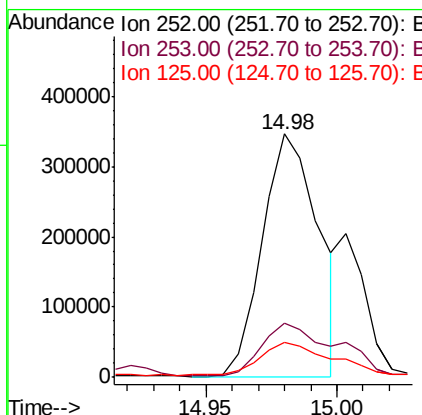
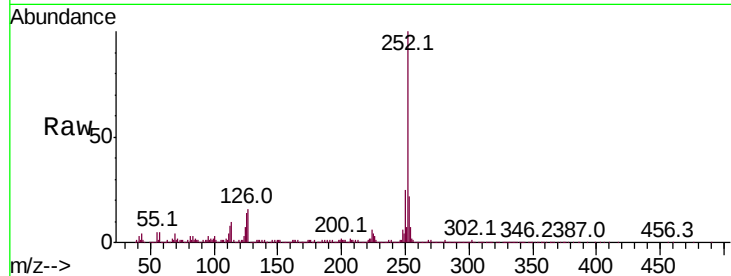
Acq: 14 Dec 2018 22:48

Instrument :
BNA_F
ClientSampled :
EB04-0-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	14.5	10.4	15.6

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#89

Benzo(k)fluoranthene

Concen: 11.972 ng m

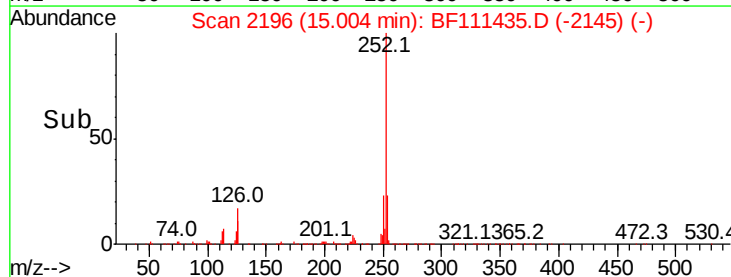
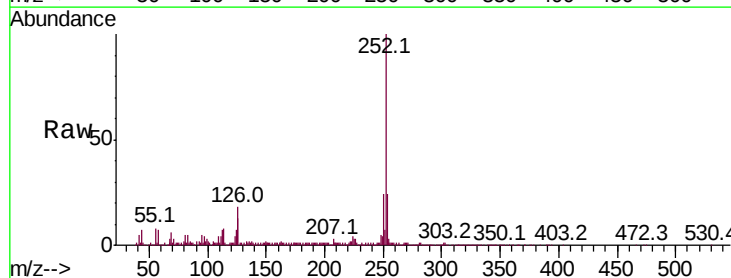
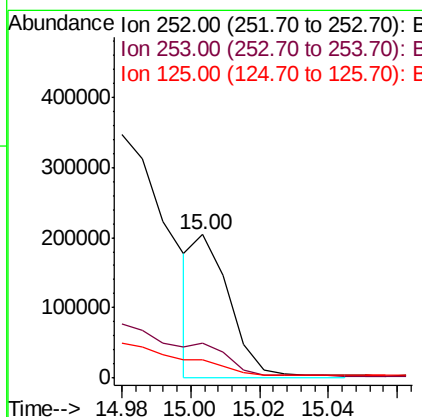
RT: 15.00 min Scan# 2196

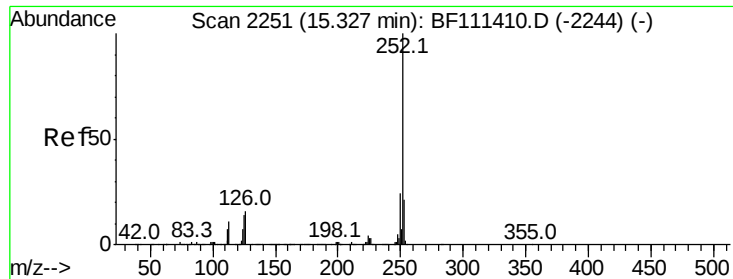
Delta R.T. 0.00 min

Lab File: BF111435.D

Acq: 14 Dec 2018 22:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	12.7	9.8	14.8





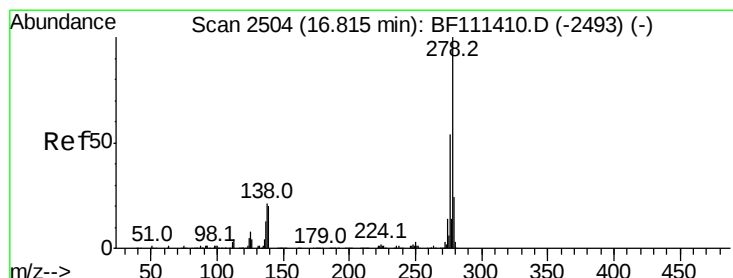
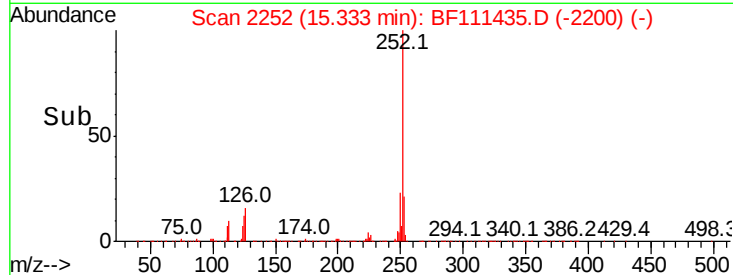
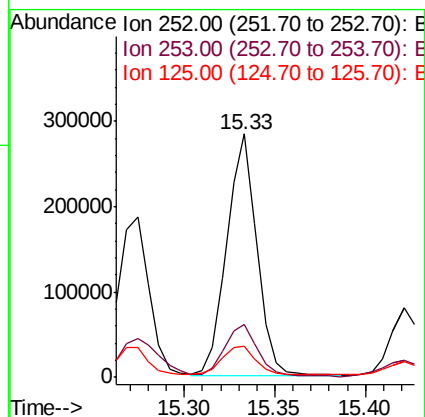
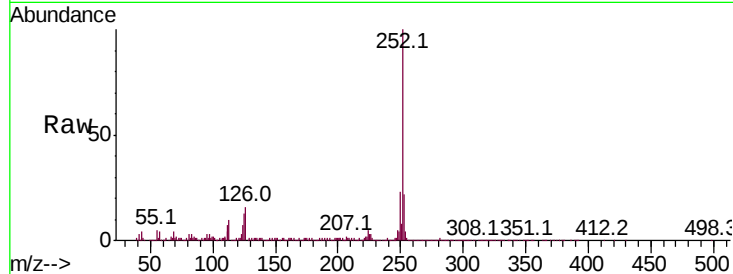
#90
Benzo(a)pyrene
Concen: 27.705 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111435.D
Acq: 14 Dec 2018 22:48

Instrument :
BNA_F
ClientSampleId :
EB04-0-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.8
125	12.8	12.3	18.5

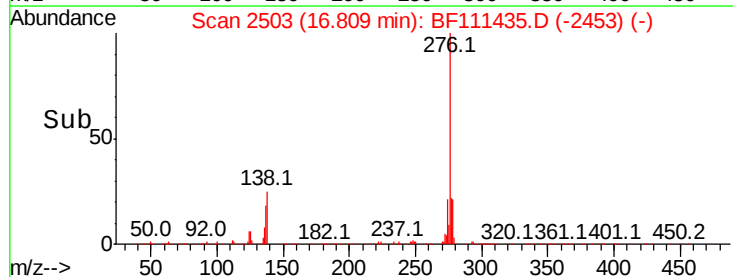
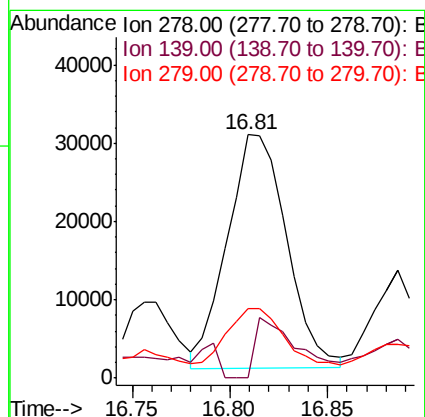
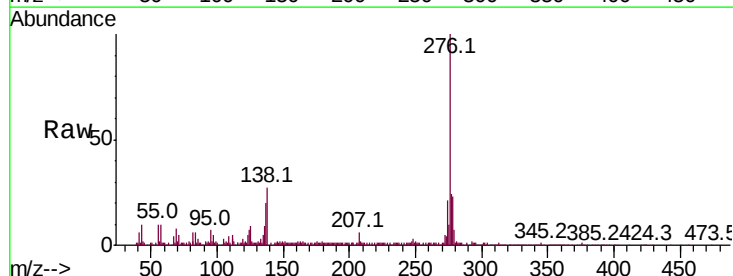
Manual Integrations
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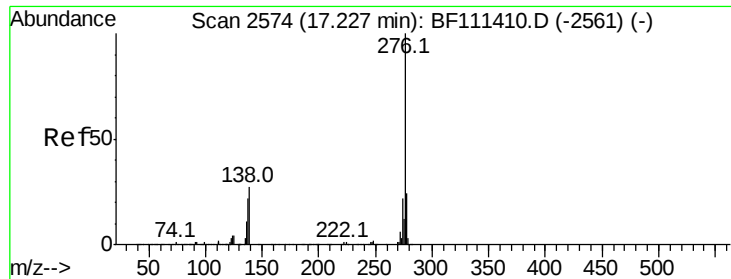
Sohil
12/17/2018 2:37:00 PM



#91
Dibenzo(a,h)anthracene
Concen: 6.674 ng
RT: 16.81 min Scan# 2503
Delta R.T. -0.01 min
Lab File: BF111435.D
Acq: 14 Dec 2018 22:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	18.2	27.4#
279	28.8	19.0	28.6#





#92
 Benzo(a,h,i)perylene
 Concen: 25.538 ng
 RT: 17.23 min Scan# 2575
 Delta R.T. 0.01 min
 Lab File: BF111435.D
 Acq: 14 Dec 2018 22:48

Instrument :
 BNA_F
 ClientSampleId :
 EB04-0-2

Tot Ion:	276	Resp:	236221
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.2	28.8
138	29.4	24.9	37.3

Manual Integrations
 APPROVED

Sohil
 12/17/2018 2:37:00 PM

