

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\
 Data File : BF112351.D
 Acq On : 1 Feb 2019 15:08
 Operator : JU/SJ
 Sample : K1299-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 0036-COMP-2

Manual Integrations
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apatel
 2/4/2019 12:42:56 PM

Quant Time: Feb 01 16:38:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	174634	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	652210	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	326586	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	596104	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	357630	20.00	ng	-0.01
87) Perylene-d12	15.47	264	376453	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1306416	158.90	ng	0.00
7) Phenol-d6	6.49	99	1638443	143.42	ng	0.00
23) Nitrobenzene-d5	7.40	82	1024121	90.48	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	523148	137.62	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1702918	73.75	ng	-0.01
79) Terphenyl-d14	12.94	244	1495341	78.75	ng	0.00
Target Compounds						
10) Phenol	6.50	94	94371	7.529	ng	80
31) Naphthalene	8.14	128	142261	4.664	ng	98
37) 2-Methylnaphthalene	8.83	142	64221	3.076	ng	98
38) 1-Methylnaphthalene	8.93	142	59322m	2.964	ng	
50) Dimethylphthalate	9.59	163	182084	7.176	ng	98
52) Acenaphthene	9.90	154	56433	2.911	ng	98
58) Fluorene	10.42	166	45228	2.040	ng	94
71) Phenanthrene	11.38	178	303609	9.797	ng	98
72) Anthracene	11.43	178	99887	3.236	ng	98
75) Fluoranthene	12.57	202	274380	8.255	ng	98
78) Pyrene	12.80	202	325279	13.137	ng	98
81) Benzo(a)anthracene	13.99	228	149758m	7.123	ng	
83) Chrysene	14.03	228	145198	7.235	ng	99
84) Bis(2-ethylhexyl)phthalate	13.97	149	54316	3.194	ng	99
86) Indeno(1,2,3-cd)pyrene	16.94	276	80874	5.086	ng	# 93
88) Benzo(b)fluoranthene	15.04	252	144684m	6.426	ng	
89) Benzo(k)fluoranthene	15.07	252	62677m	2.906	ng	
90) Benzo(a)pyrene	15.40	252	161804	7.987	ng	# 96
92) Benzo(a,h,i)perylene	17.39	276	86675	5.627	ng	96

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

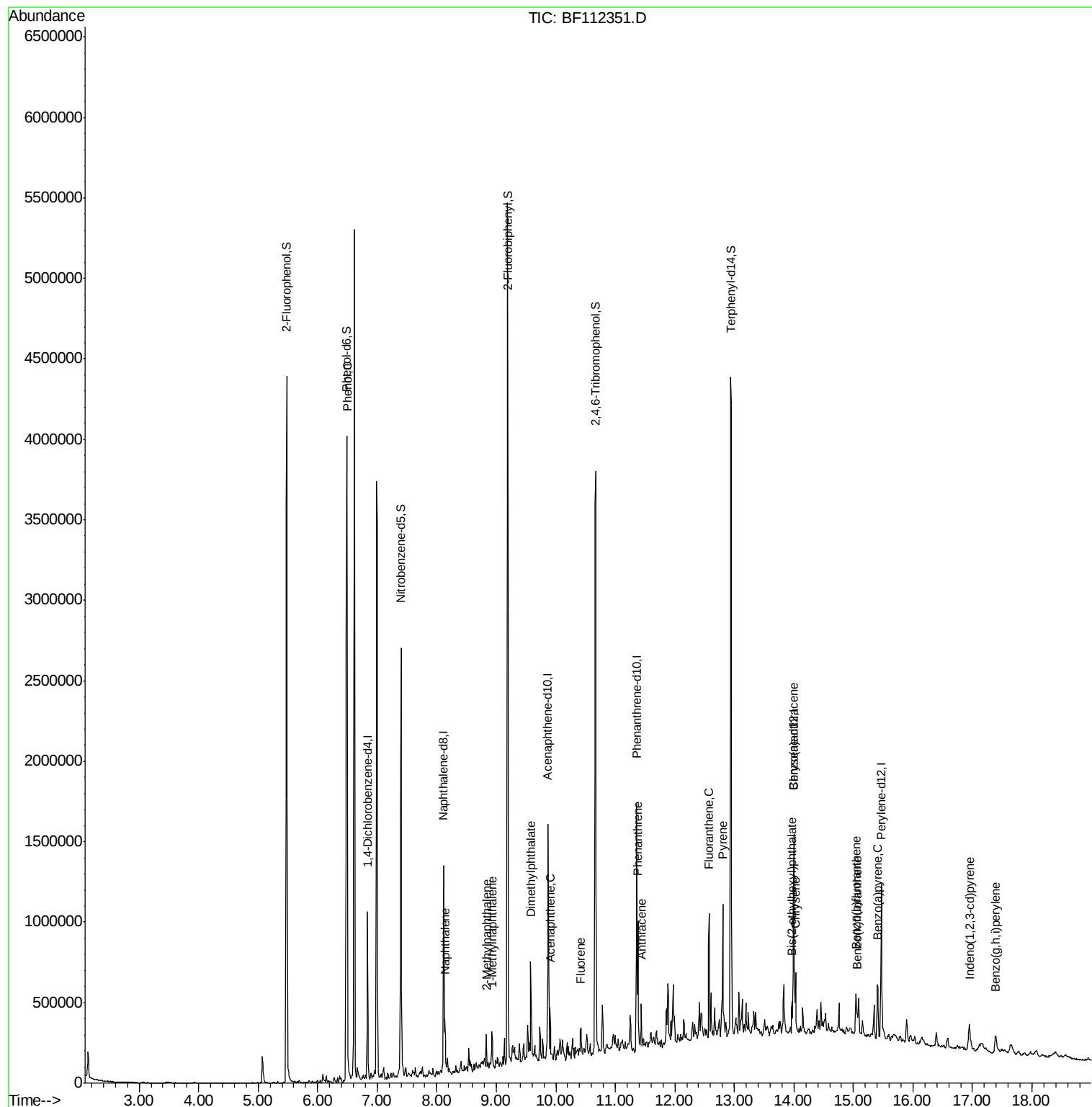
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\
Data File : BF112351.D
Acq On : 1 Feb 2019 15:08
Operator : JU/SJ
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

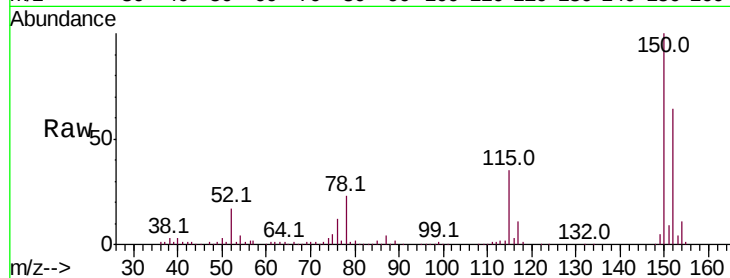
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112351.D
Acq: 1 Feb 2019 15:08

Instrument :
BNA_F
ClientSampleId :
0036-COMP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	127.4	191.0
115	55.0	45.5	68.3

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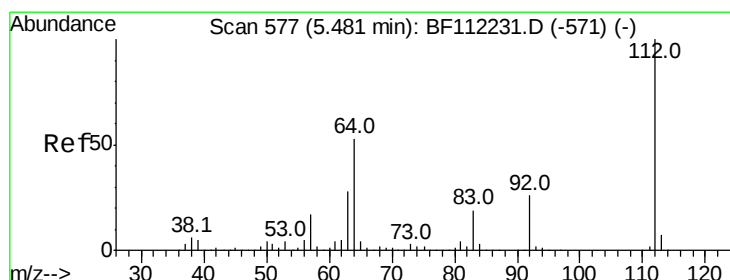
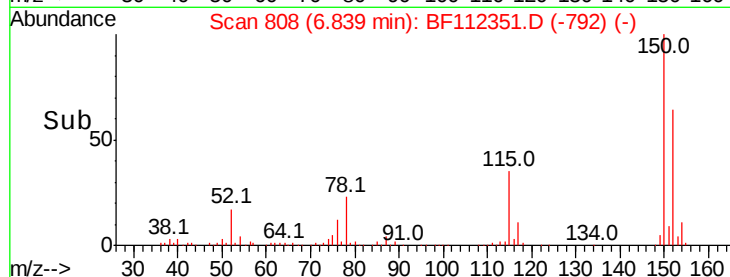
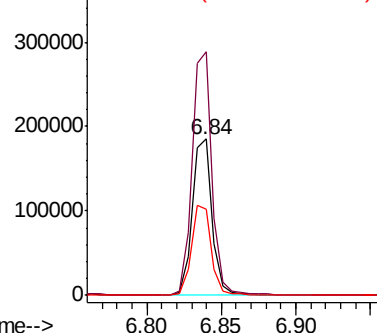


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

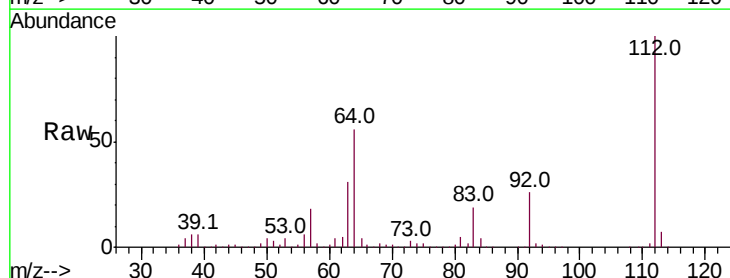
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 158.899 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF112351.D
Acq: 1 Feb 2019 15:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	45.7	68.5
63	30.5	23.6	35.4

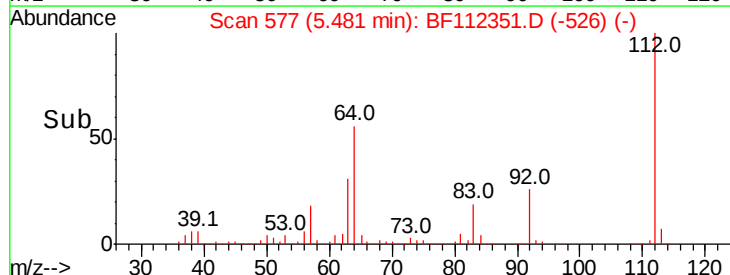
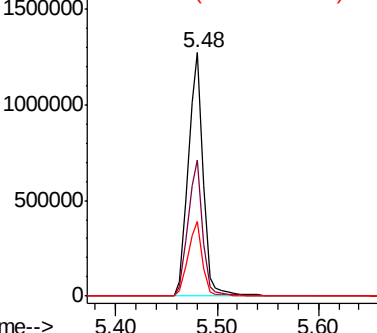


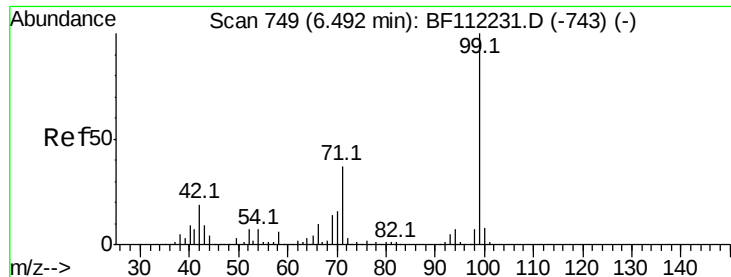
Abundance

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: 143.415 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112351.D

Acq: 1 Feb 2019 15:08

Instrument :

BNA_F

ClientSampleId :

0036-COMP-2

Tot Ion: 99 Resp: 1638443

Ion Ratio Lower Upper

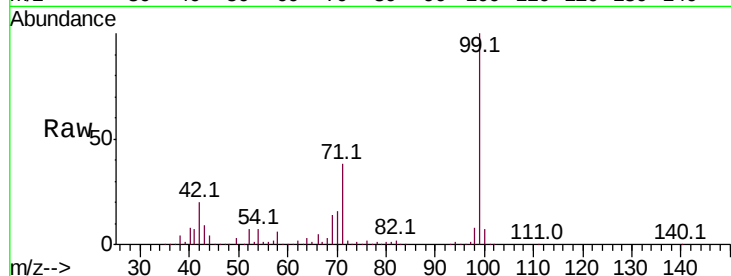
99 100

42 19.6 15.1 22.7

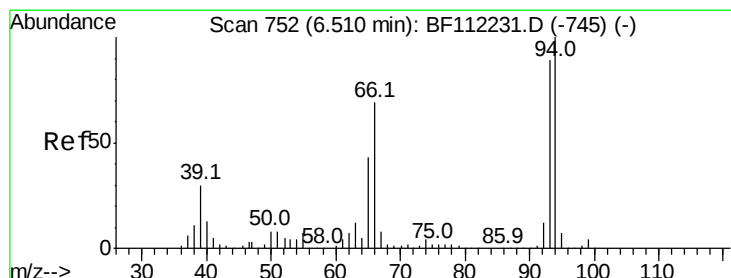
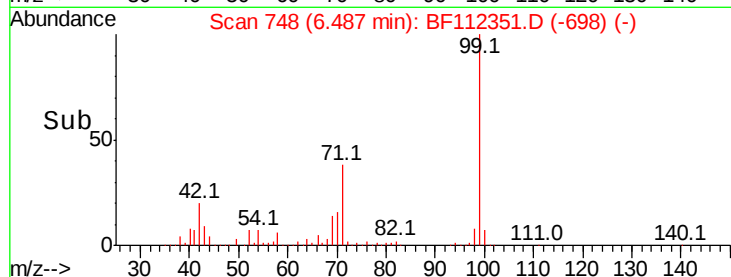
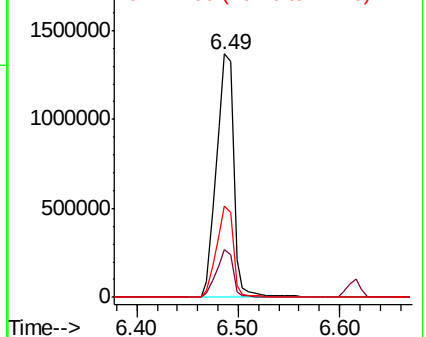
71 37.7 26.9 40.3

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



#10

Phenol

Concen: 7.529 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112351.D

Acq: 1 Feb 2019 15:08

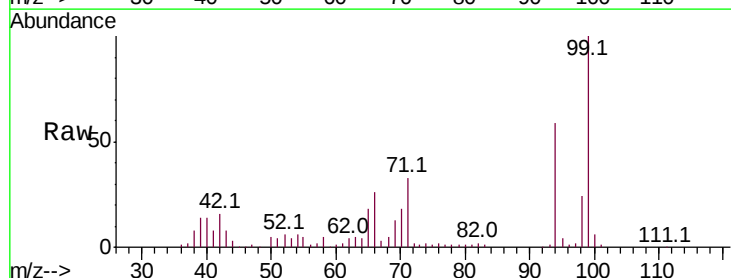
Tgt Ion: 94 Resp: 94371

Ion Ratio Lower Upper

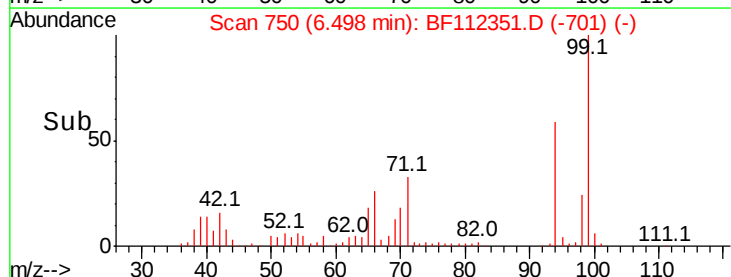
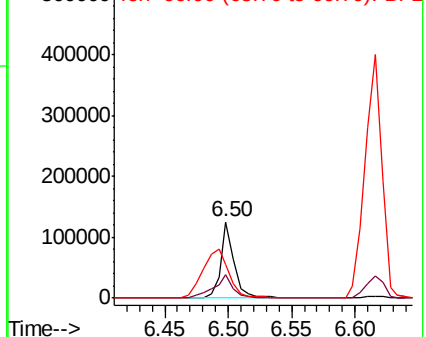
94 100

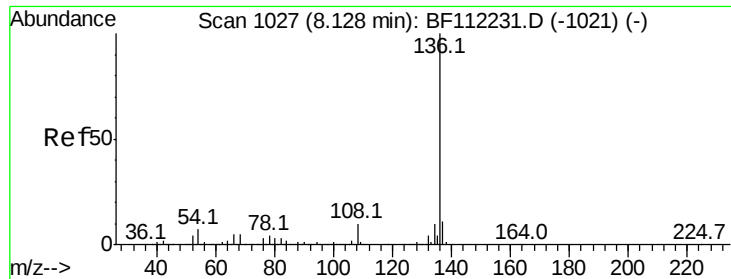
65 30.6 20.3 60.3

66 44.4 42.4 82.4



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





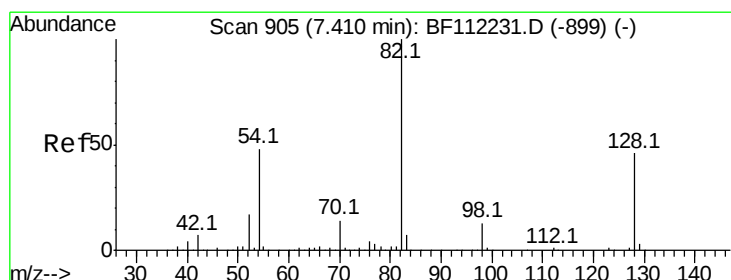
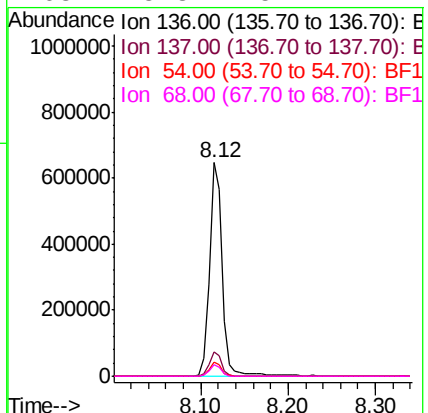
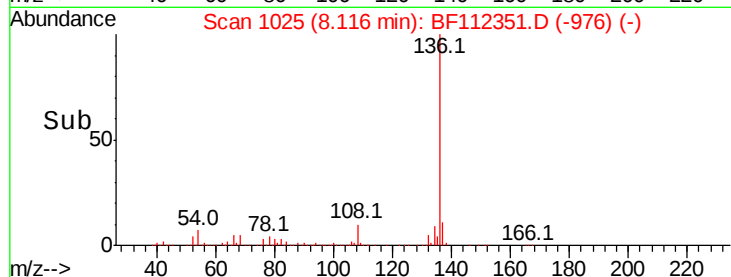
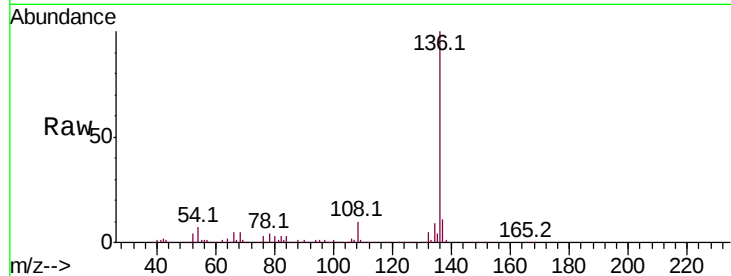
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112351.D
Acq: 1 Feb 2019 15:08

Instrument :
BNA_F
ClientSampled :
0036-COMP-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	9.1	13.7	
54	6.7	5.9	8.9	
68	5.3	5.1	7.7	

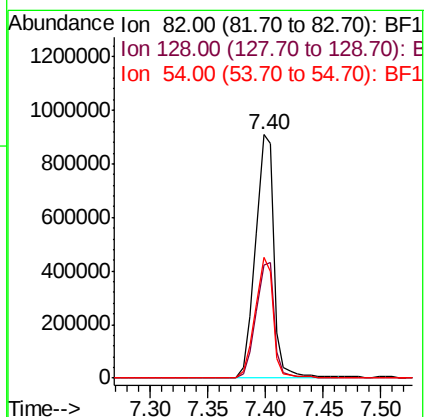
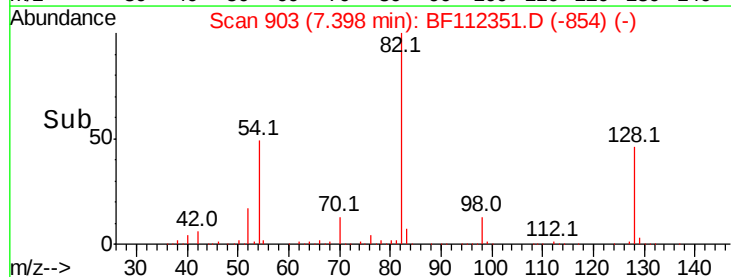
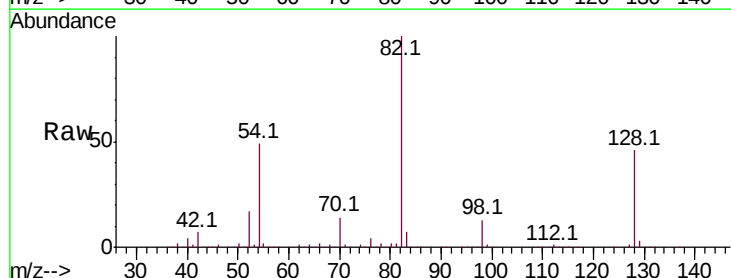
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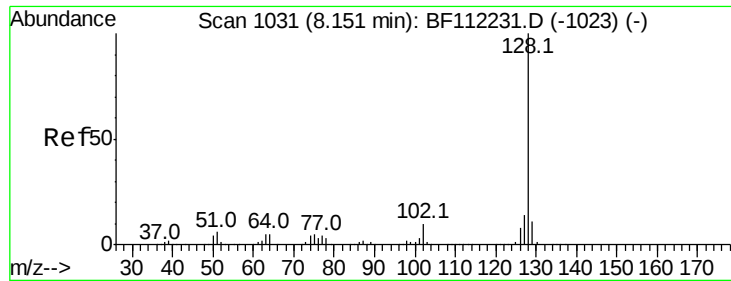
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#23
Nitrobenzene-d5
Concen: 90.476 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112351.D
Acq: 1 Feb 2019 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.3	37.8	56.8	
54	49.3	39.7	59.5	





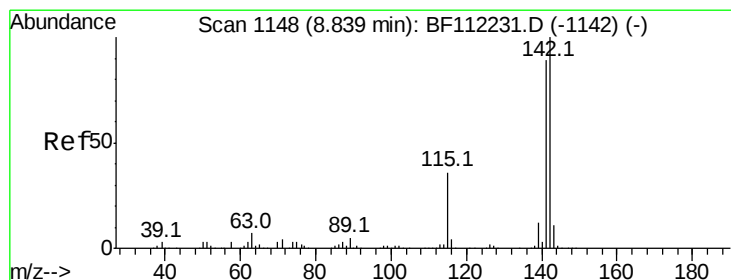
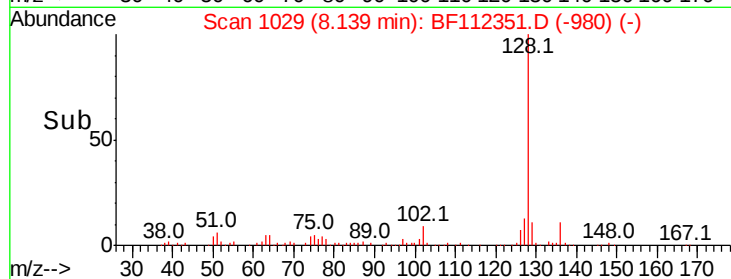
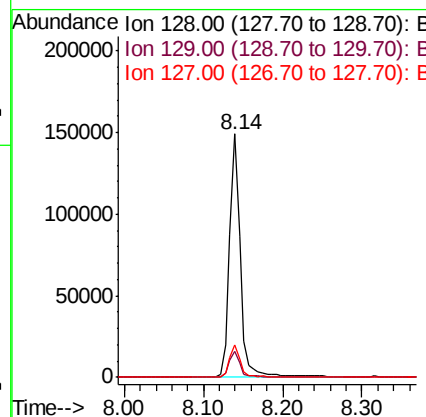
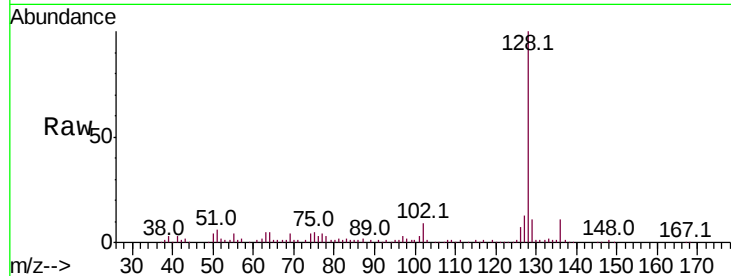
#31
Naphthalene
Concen: 4.664 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF112351.D
Acq: 1 Feb 2019 15:08

Instrument :
BNA_F
ClientSampleId :
0036-COMP-2

Tot Ion	Ratio	Resp	Lower	Upper
128	100	142261		
129	10.9		9.6	14.4
127	13.5		11.1	16.7

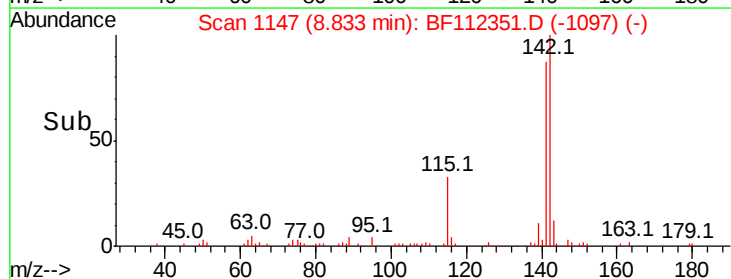
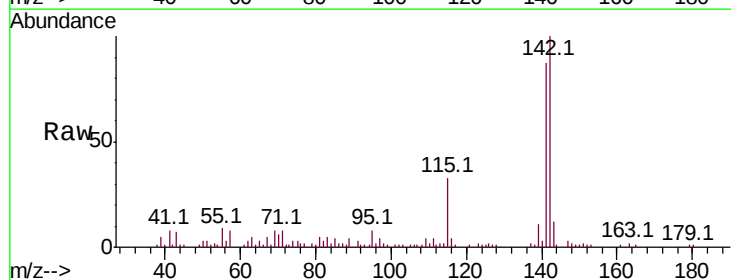
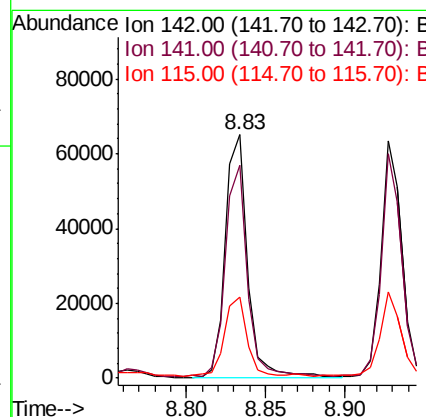
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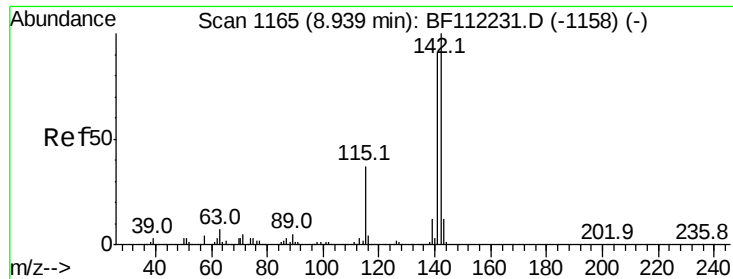
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#37
2-Methylnaphthalene
Concen: 3.076 ng
RT: 8.83 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF112351.D
Acq: 1 Feb 2019 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	64221		
141	87.3		70.9	106.3
115	33.2		24.9	37.3





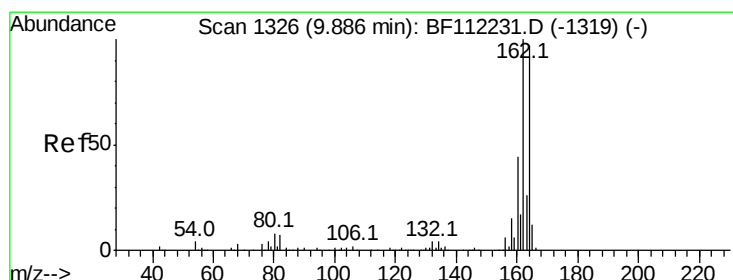
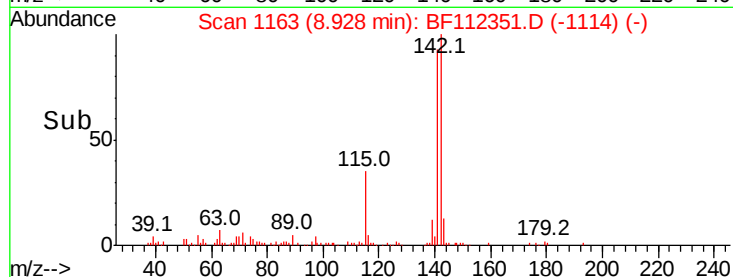
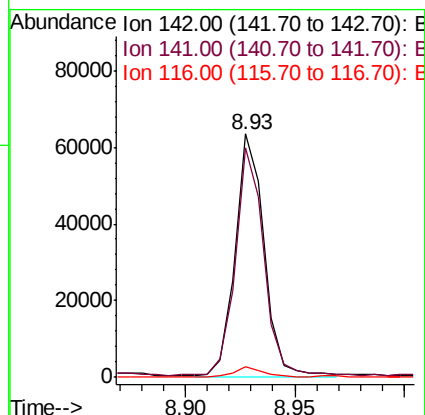
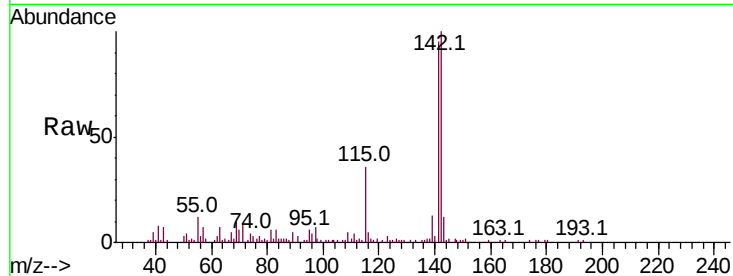
#38
1-Methylnaphthalene
Concen: 2.964 ng m
RT: 8.93 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF112351.D
Acq: 1 Feb 2019 15:08

Instrument :
BNA_F
ClientSampleId :
0036-COMP-2

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.5	72.6	108.8
116	4.5	2.8	4.2#

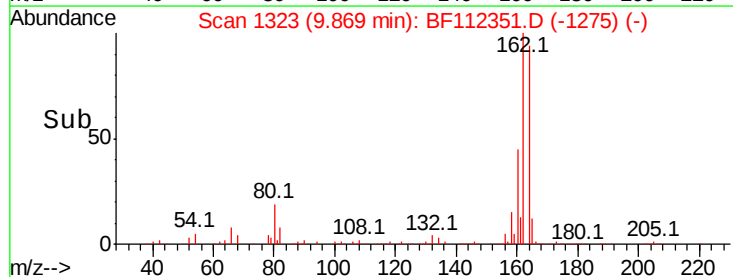
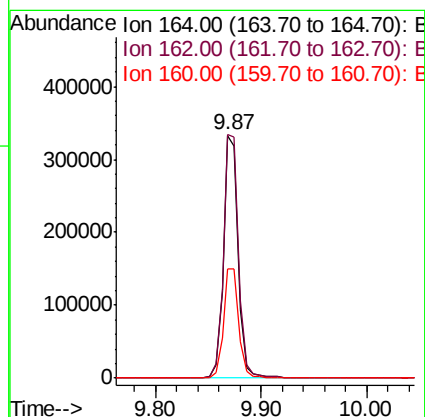
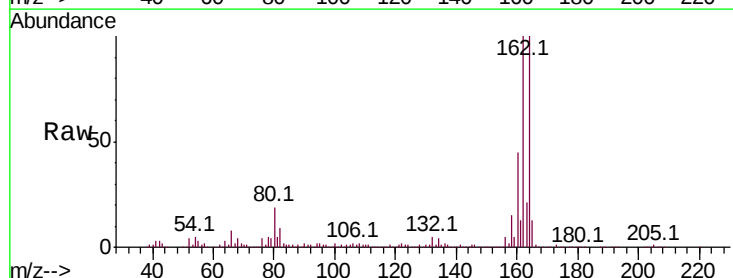
Manual Integrations
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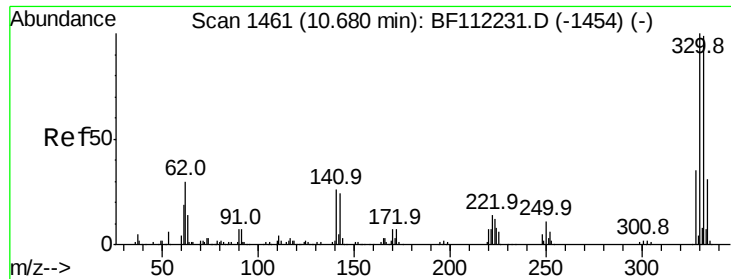
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112351.D
Acq: 1 Feb 2019 15:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.2	82.2	123.4
160	44.9	36.2	54.4





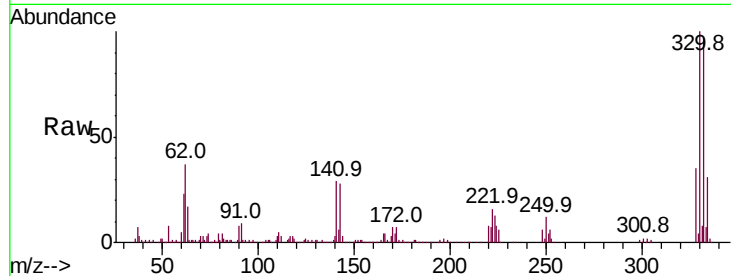
#42
 2,4,6-Tribromophenol
 Concen: 137.621 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF112351.D
 Acq: 1 Feb 2019 15:08

Instrument :
 BNA_F
 ClientSampleId :
 0036-COMP-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	523148		
332	96.3	76.6	114.8	
141	32.3	24.3	36.5	

Manual Integrations
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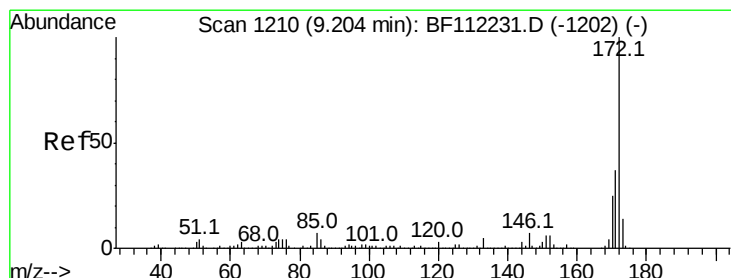
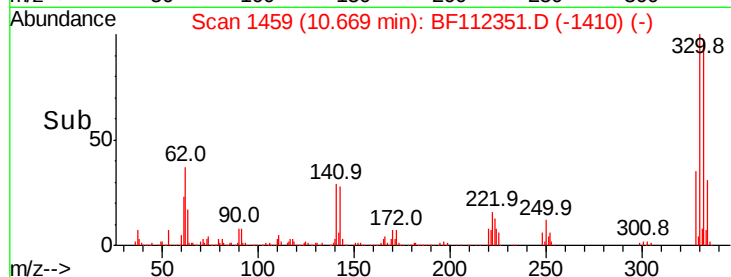
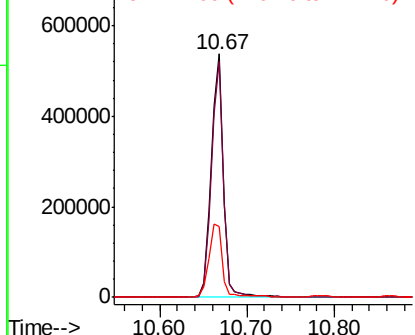


Abundance

Ion 329.80 (329.50 to 330.50): E

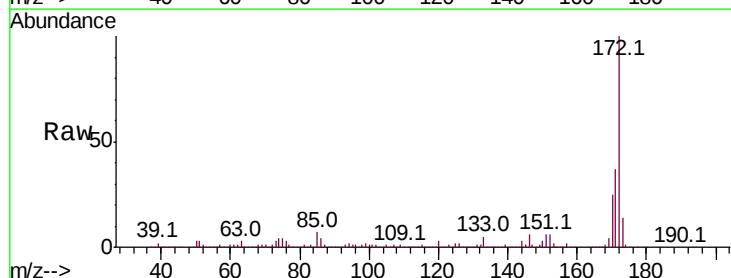
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 73.748 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF112351.D
 Acq: 1 Feb 2019 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1702918		
171	37.3	30.5	45.7	
170	24.6	20.2	30.4	

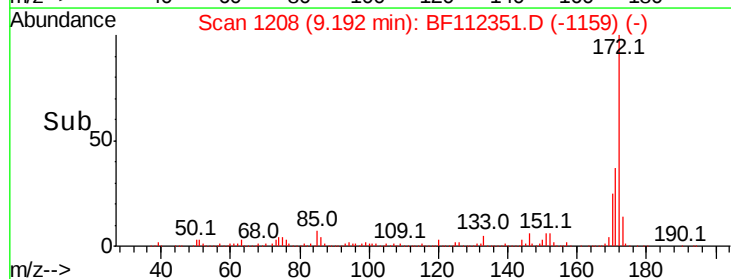
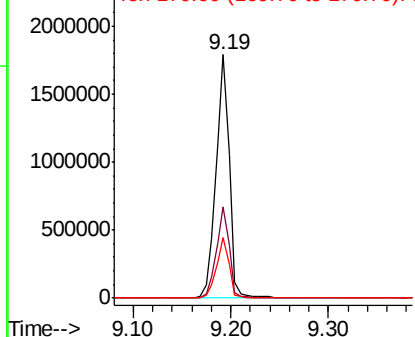


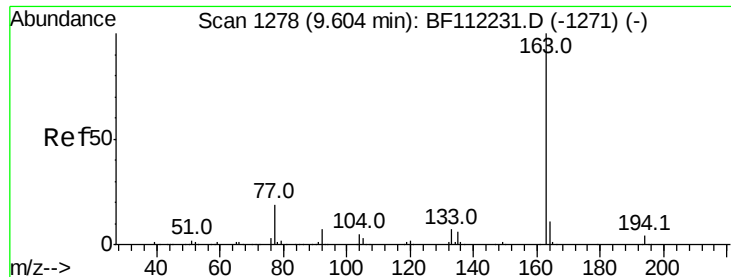
Abundance

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





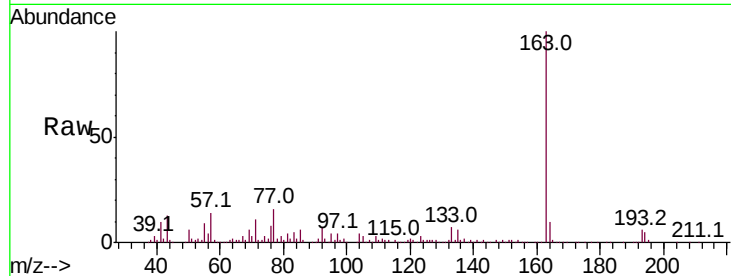
#50
Dimethylphthalate
Concen: 7.176 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF112351.D
Acq: 1 Feb 2019 15:08

Instrument :
BNA_F
ClientSampleId :
0036-COMP-2

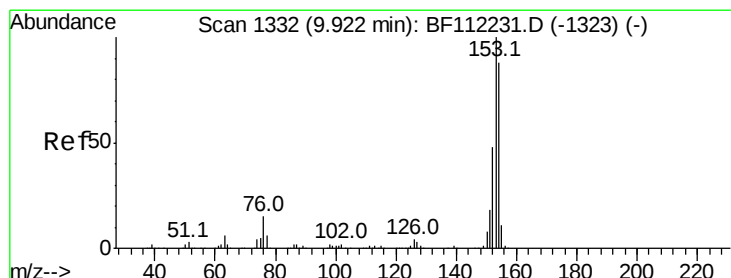
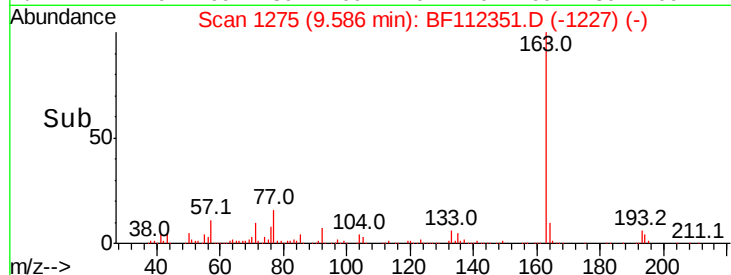
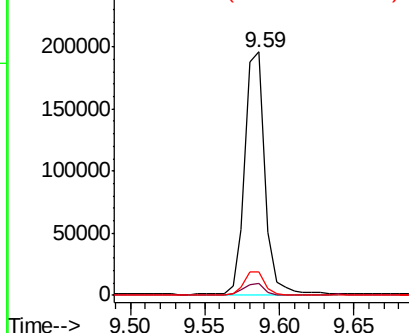
Tot Ion	Ratio	Resp	Lower	Upper
163	100	182084		
194	4.8	3.3	4.9	
164	9.8	8.5	12.7	

Manual Integrations
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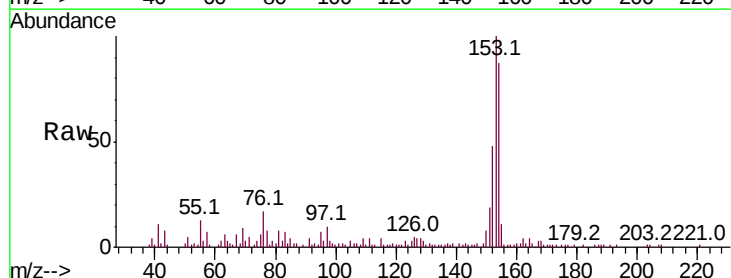


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

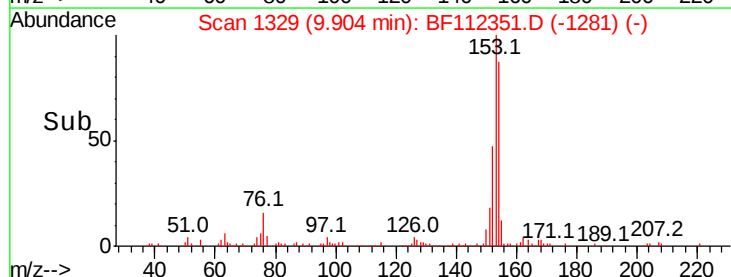
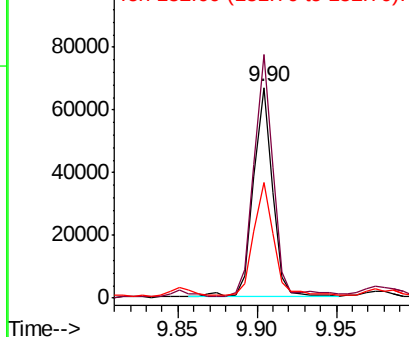


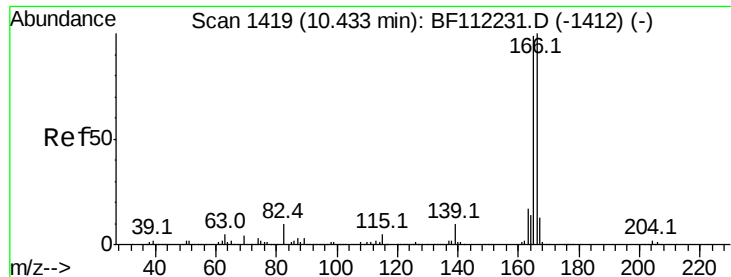
#52
Acenaphthene
Concen: 2.911 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF112351.D
Acq: 1 Feb 2019 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	56433		
153	115.5	89.8	134.6	
152	55.0	43.5	65.3	



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





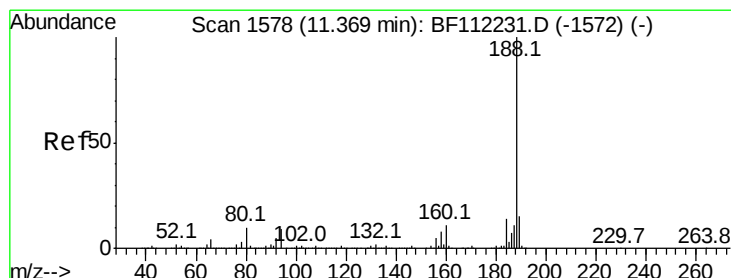
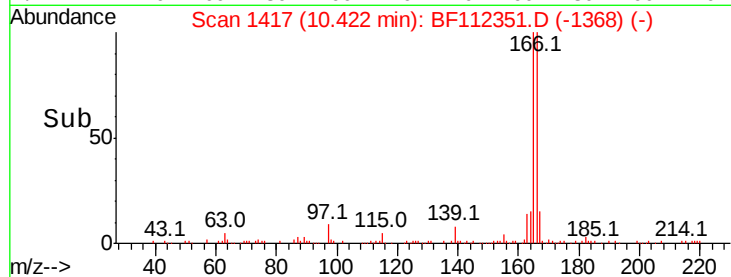
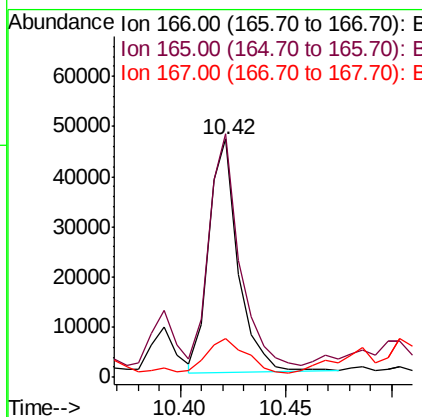
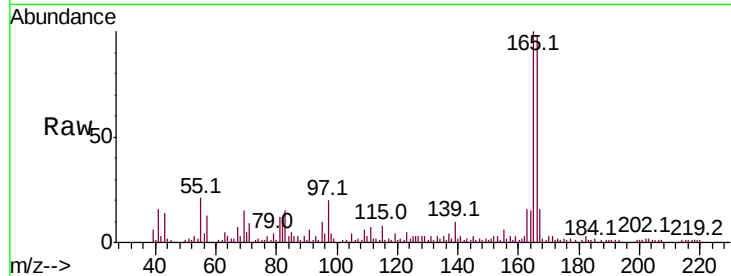
#58
 Fluorene
 Concen: 2.040 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF112351.D
 Acq: 1 Feb 2019 15:08

Instrument :
 BNA_F
 ClientSampleId :
 0036-COMP-2

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.3	77.1	115.7
167	16.3	11.3	16.9

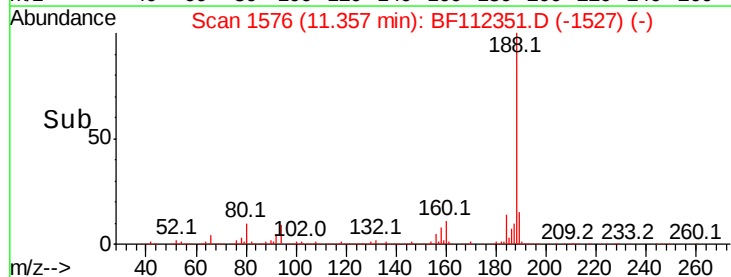
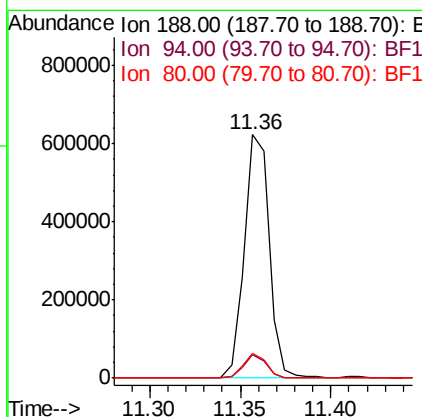
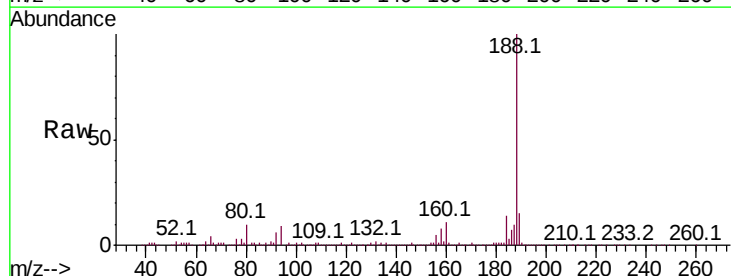
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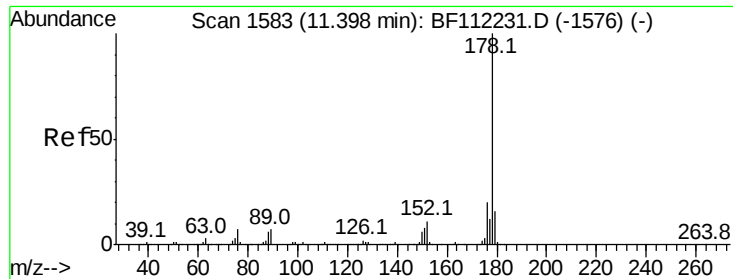
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 2/4/2019 12:42:56 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF112351.D
 Acq: 1 Feb 2019 15:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.2	12.2
80	10.2	8.9	13.3





#71

Phenanthrene

Concen: 9.797 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF112351.D

Acq: 1 Feb 2019 15:08

Instrument :

BNA_F

ClientSampleId :

0036-COMP-2

Tot Ion:178 Resp: 303609

Ion Ratio Lower Upper

178 100

176 19.1 16.3 24.5

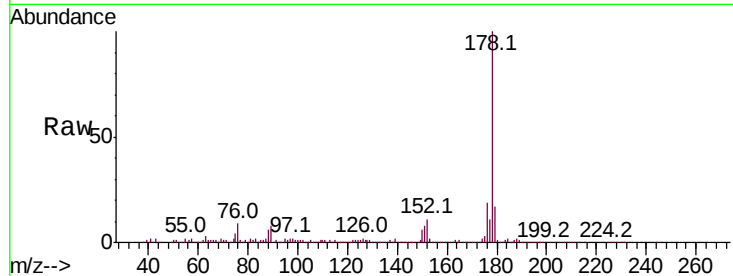
179 16.7 13.0 19.4

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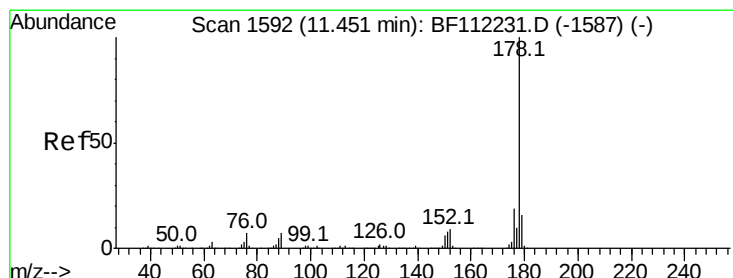
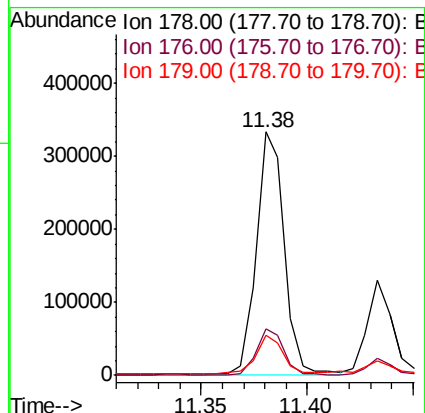
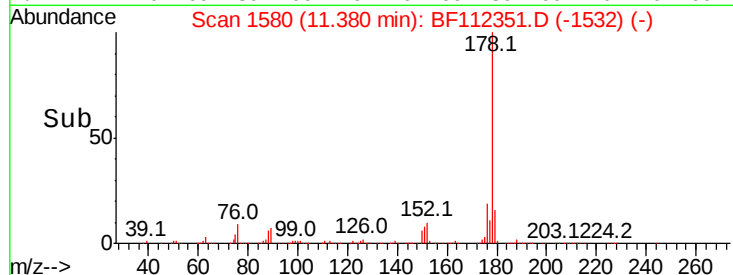
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 3.236 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.02 min

Lab File: BF112351.D

Acq: 1 Feb 2019 15:08

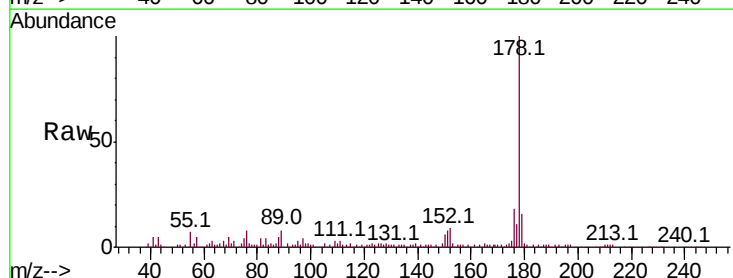
Tgt Ion:178 Resp: 99887

Ion Ratio Lower Upper

178 100

176 18.0 15.5 23.3

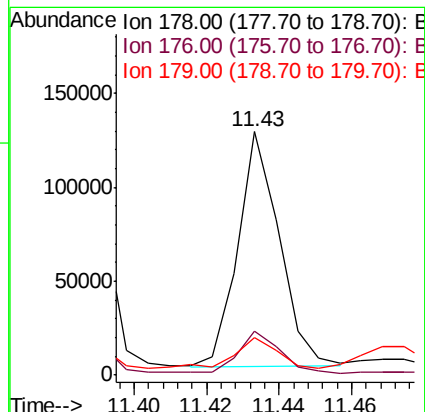
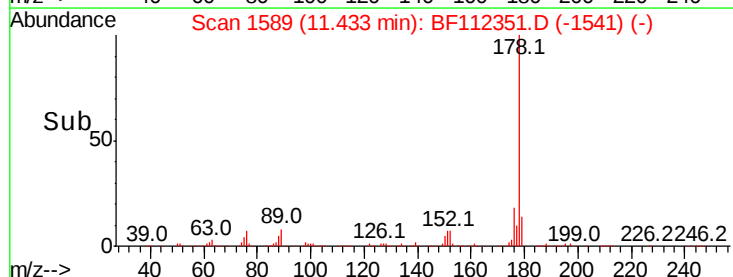
179 15.7 12.8 19.2

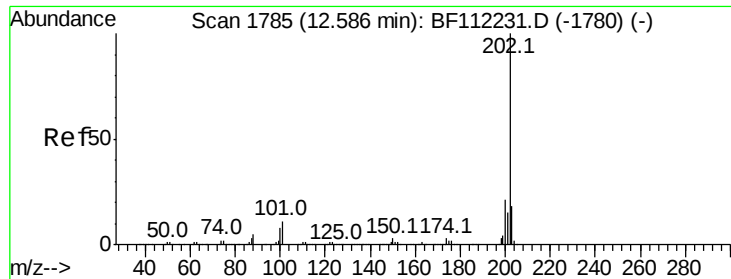


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 8.255 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112351.D

Acq: 1 Feb 2019 15:08

Instrument :

BNA_F

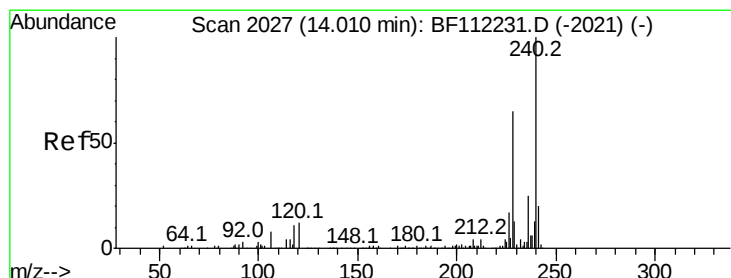
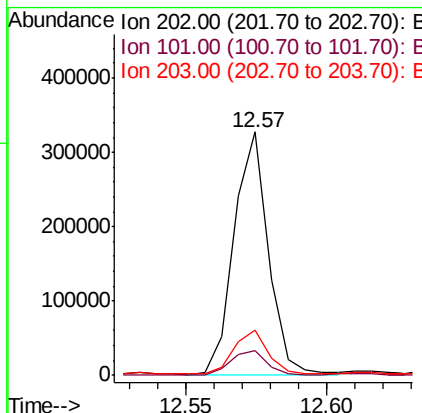
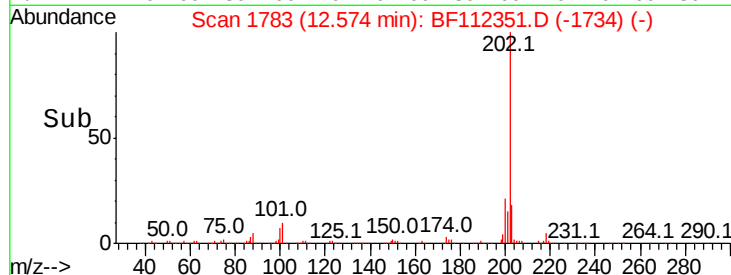
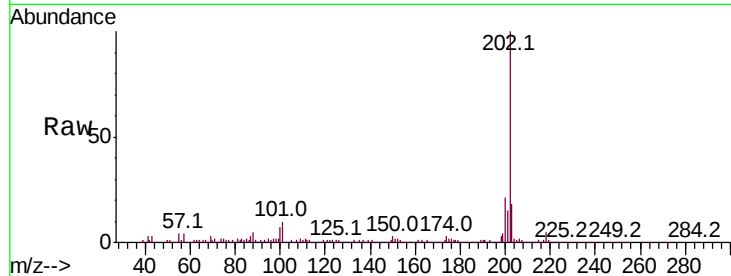
ClientSampleId :

0036-COMP-2

Tot Ion:	202	Resp:	274380
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	31.8
203	18.4	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

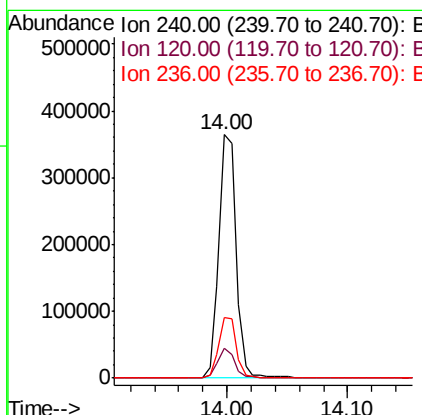
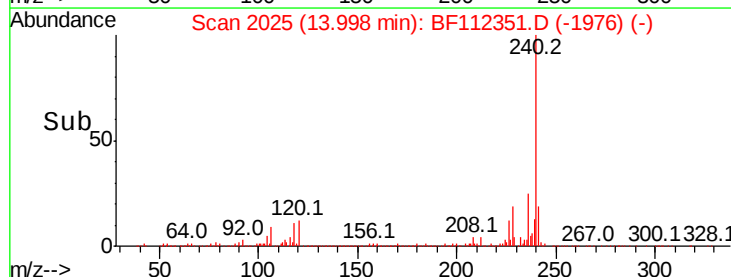
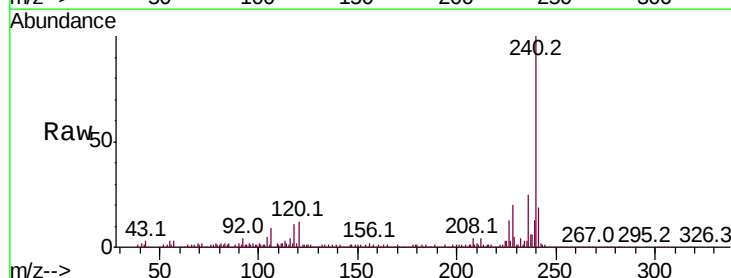
RT: 14.00 min Scan# 2025

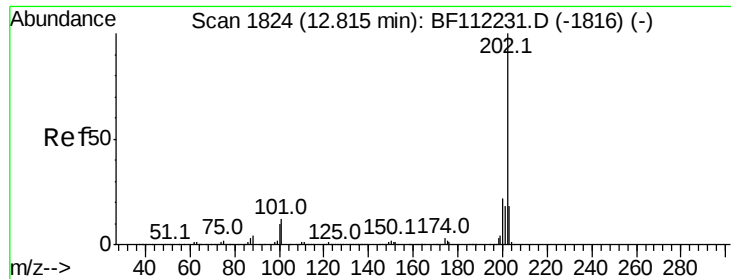
Delta R.T. -0.01 min

Lab File: BF112351.D

Acq: 1 Feb 2019 15:08

Tgt Ion:	240	Resp:	357630
Ion Ratio	Lower	Upper	
240	100		
120	12.2	9.0	13.6
236	25.0	20.7	31.1





#78

Pvrene

Concen: 13.137 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF112351.D

Acq: 1 Feb 2019 15:08

Instrument :

BNA_F

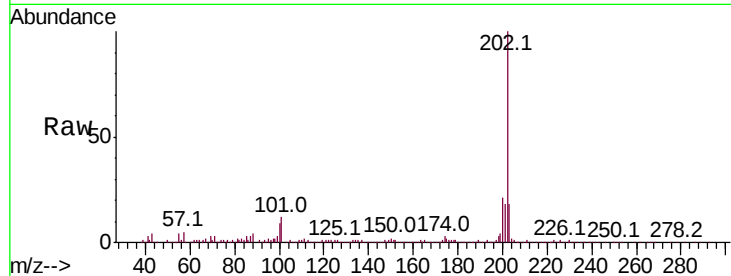
ClientSampleId :

0036-COMP-2

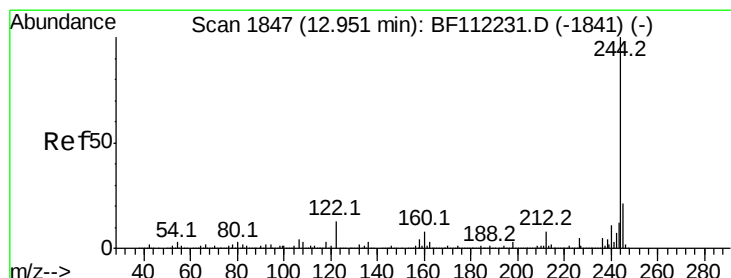
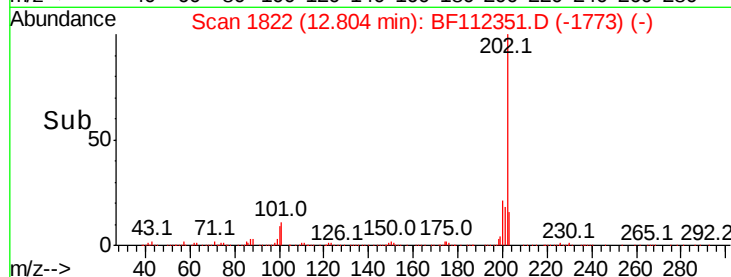
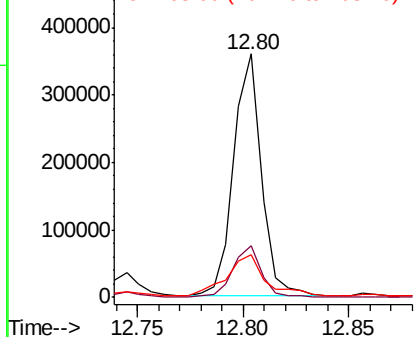
Tot Ion:	202	Resp:	325279
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.7	26.5
203	17.7	14.6	22.0

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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: 78.752 ng

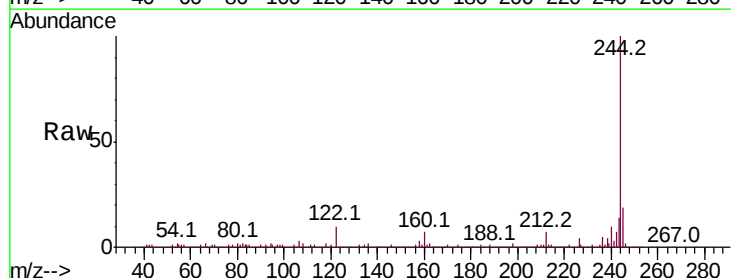
RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

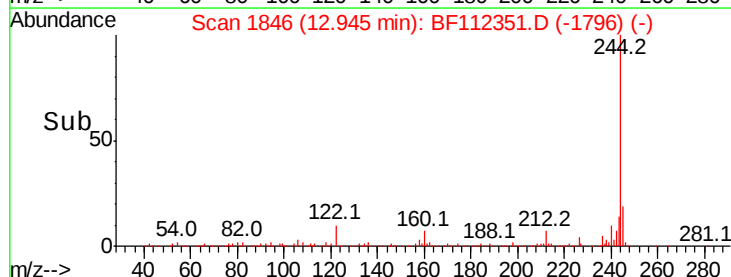
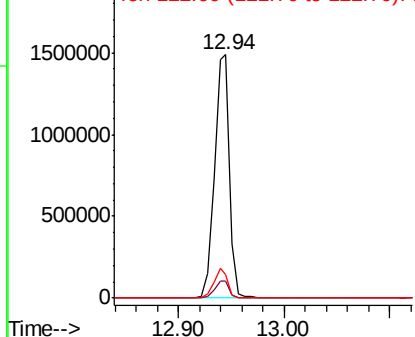
Lab File: BF112351.D

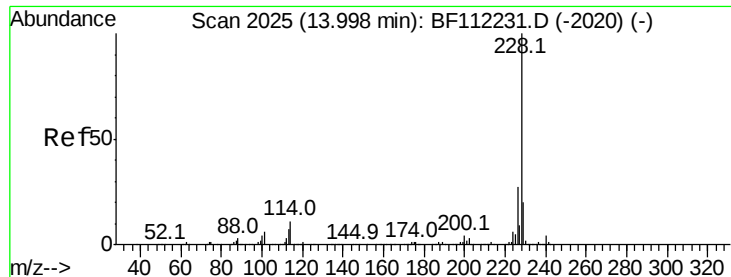
Acq: 1 Feb 2019 15:08

Tgt Ion:	244	Resp:	1495341
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.9	8.9
122	9.6	9.8	14.6#



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





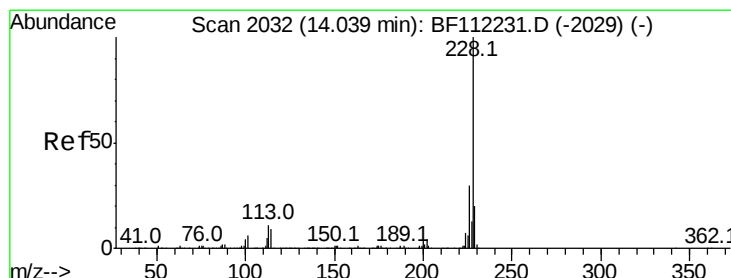
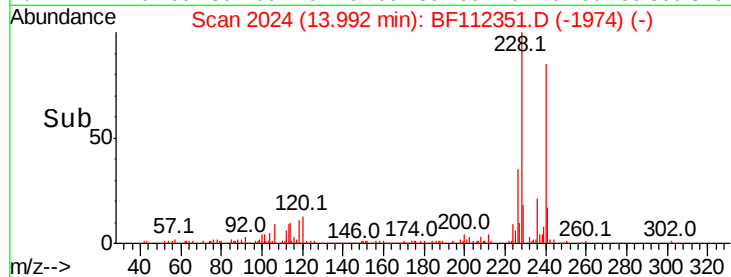
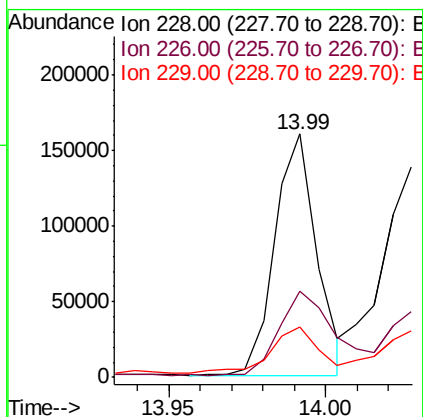
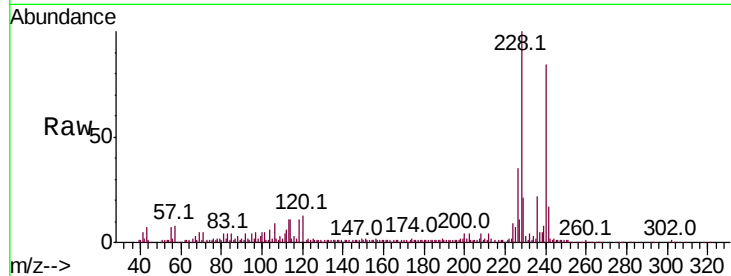
#81
Benzo(a)anthracene
Concen: 7.123 ng m
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF112351.D
Acq: 1 Feb 2019 15:08

Instrument :
BNA_F
ClientSampleId :
0036-COMP-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.5	22.6	34.0#
229	20.7	16.5	24.7

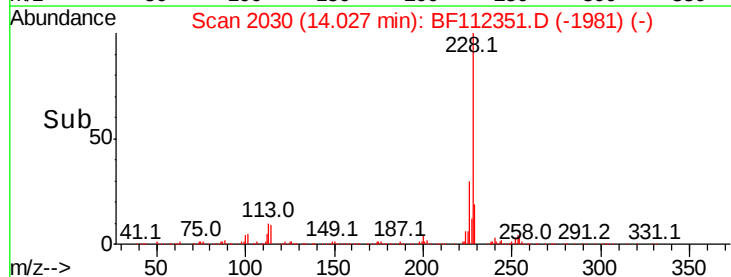
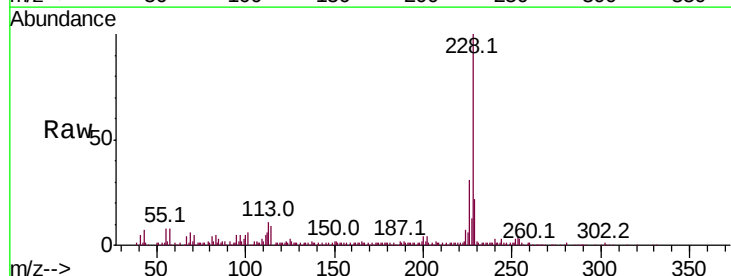
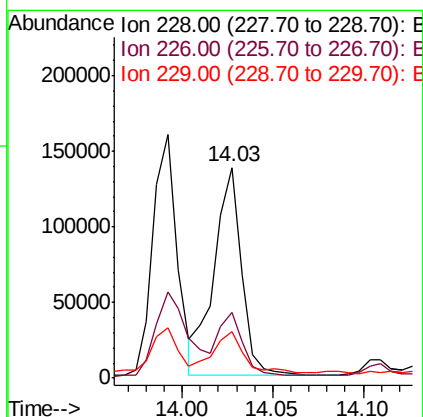
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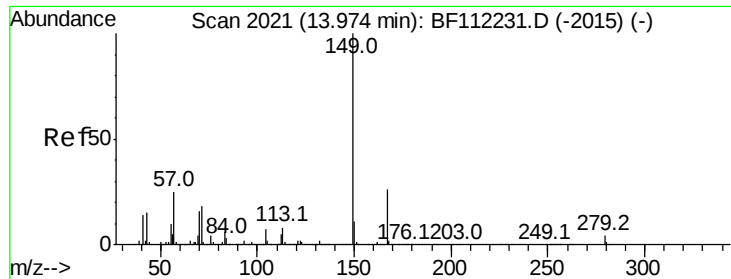
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#83
Chrysene
Concen: 7.235 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112351.D
Acq: 1 Feb 2019 15:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	22.1	16.6	24.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.194 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF112351.D

Acq: 1 Feb 2019 15:08

Instrument :

BNA_F

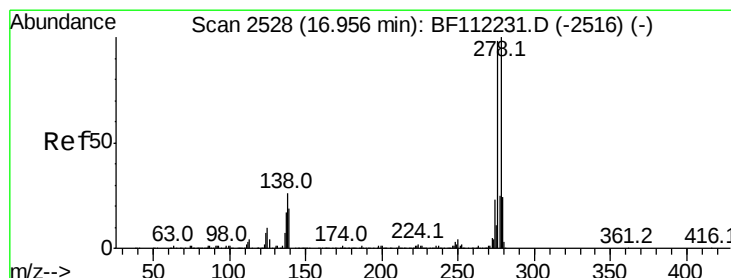
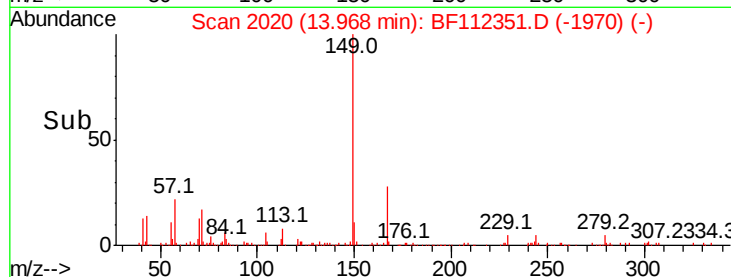
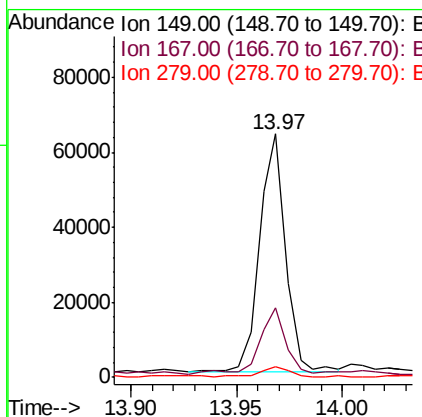
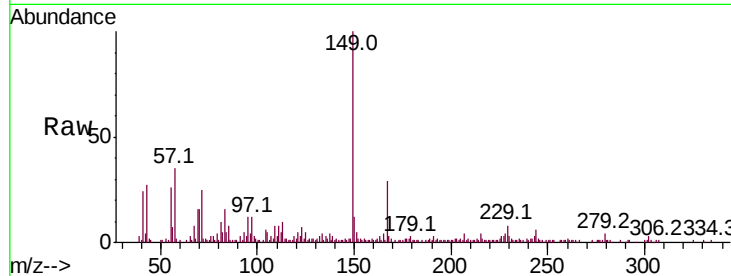
ClientSampleId :

0036-COMP-2

Tot Ion:	149	Resp:	54316
Ion Ratio	Lower	Upper	
149	100		
167	28.6	22.5	33.7
279	4.4	3.8	5.6

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#86

Indeno(1,2,3-cd)pyrene

Concen: 5.086 ng

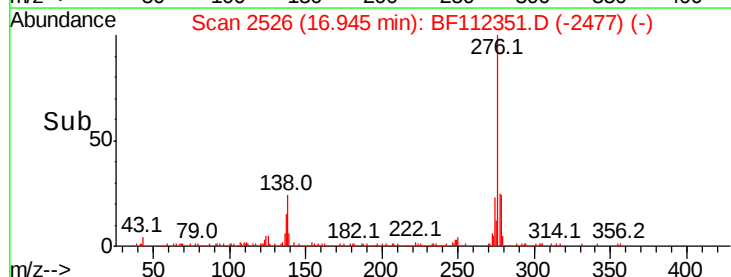
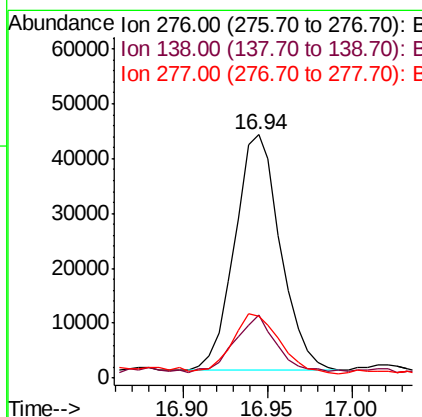
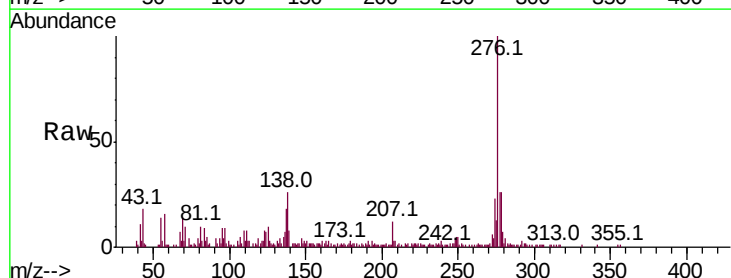
RT: 16.94 min Scan# 2526

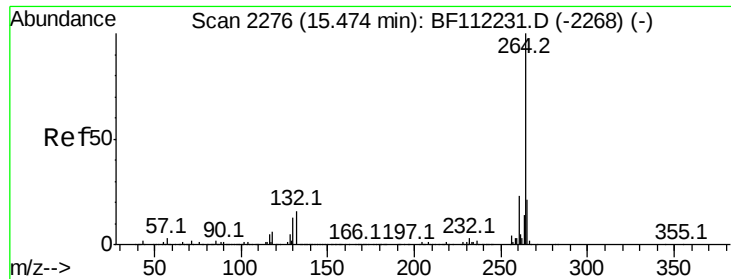
Delta R.T. -0.01 min

Lab File: BF112351.D

Acq: 1 Feb 2019 15:08

Tgt Ion:	276	Resp:	80874
Ion Ratio	Lower	Upper	
276	100		
138	22.1	22.6	34.0#
277	26.4	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF112351.D

Acq: 1 Feb 2019 15:08

Instrument :

BNA_F

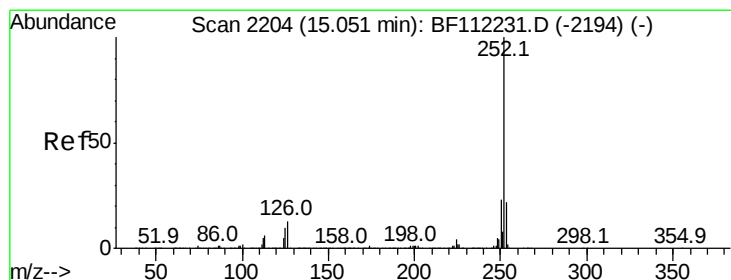
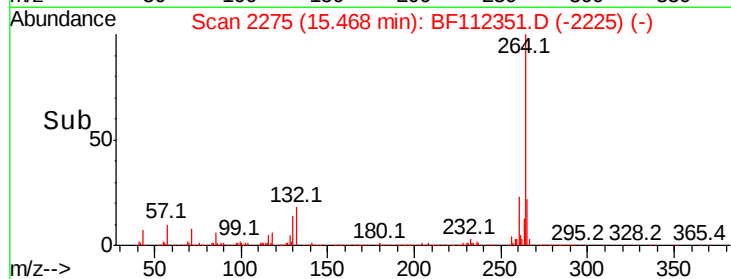
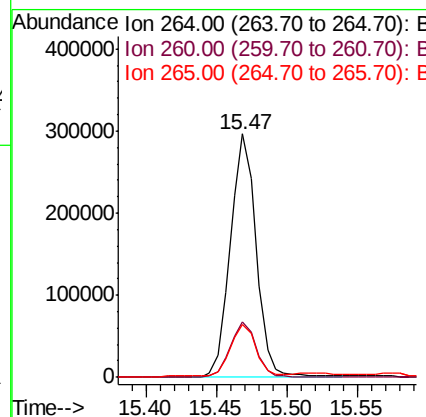
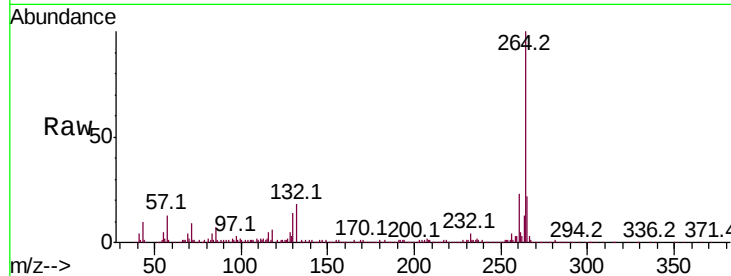
ClientSampleId :

0036-COMP-2

Tot Ion:	264	Resp:	376453
Ion Ratio	Lower	Upper	
264	100		
260	23.0	18.2	27.2
265	21.8	17.0	25.4

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#88

Benzo(b)fluoranthene

Concen: 6.426 ng m

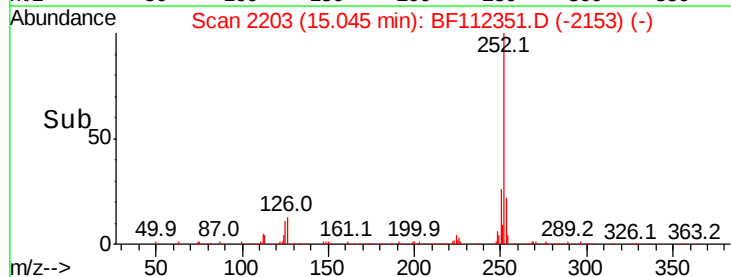
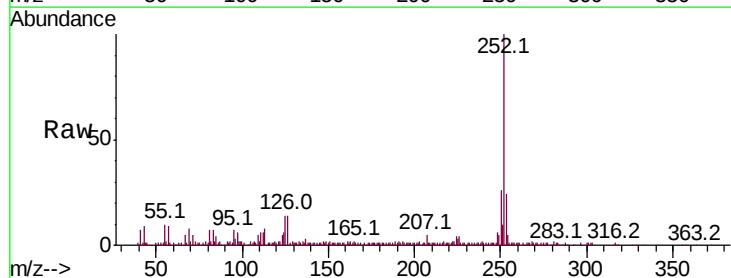
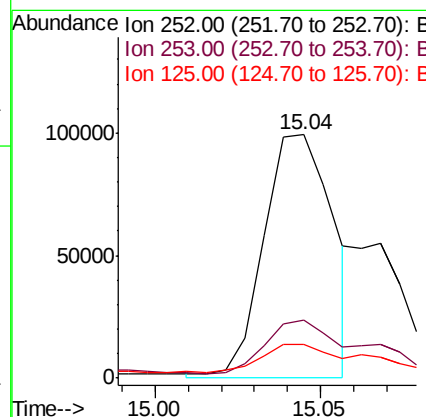
RT: 15.04 min Scan# 2203

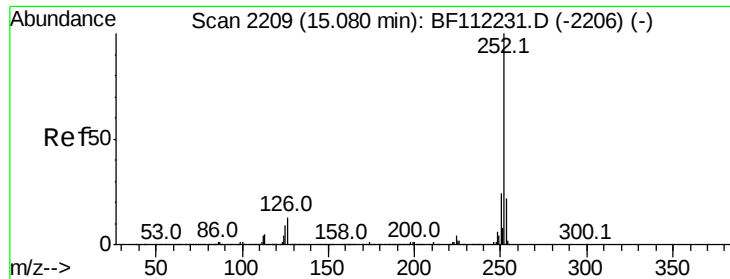
Delta R.T. -0.01 min

Lab File: BF112351.D

Acq: 1 Feb 2019 15:08

Tgt Ion:	252	Resp:	144684
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.0	27.0
125	13.7	8.7	13.1#





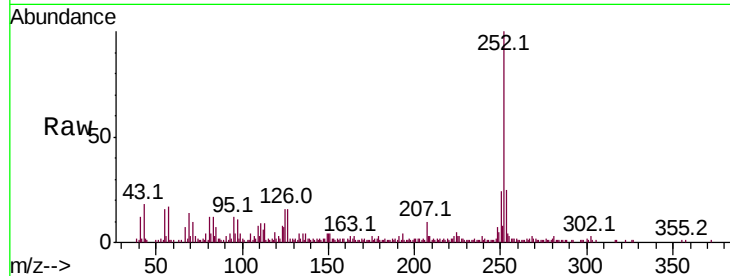
#89
Benzo(k)fluoranthene
Concen: 2.906 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112351.D
Acq: 1 Feb 2019 15:08

Instrument :
BNA_F
ClientSampleId :
0036-COMP-2

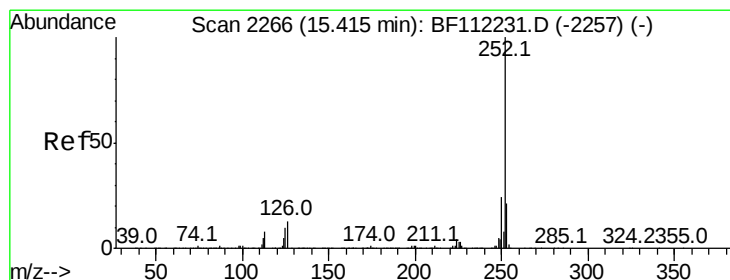
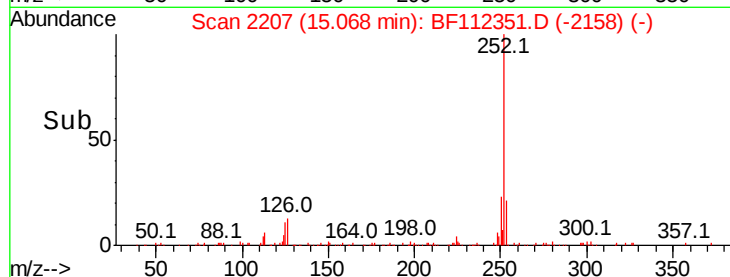
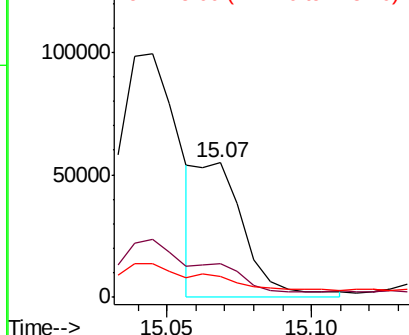
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.0	27.0
125	15.5	9.1	13.7

Manual Integrations
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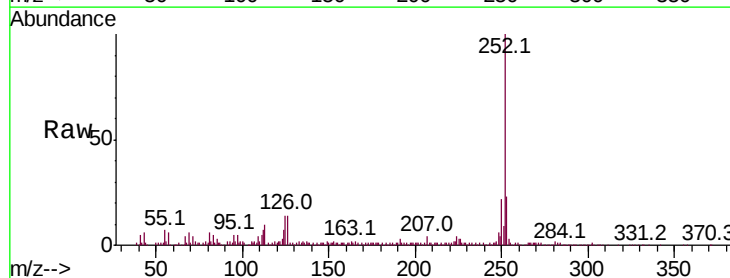


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

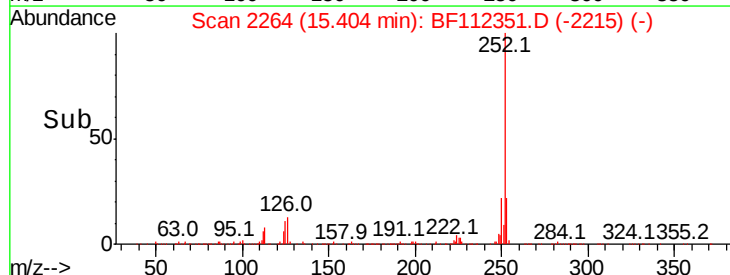
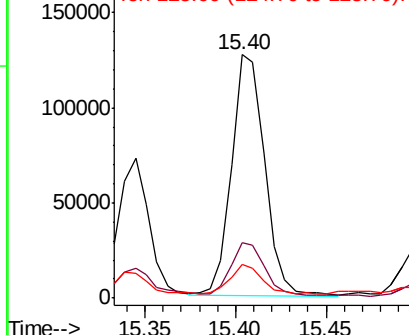


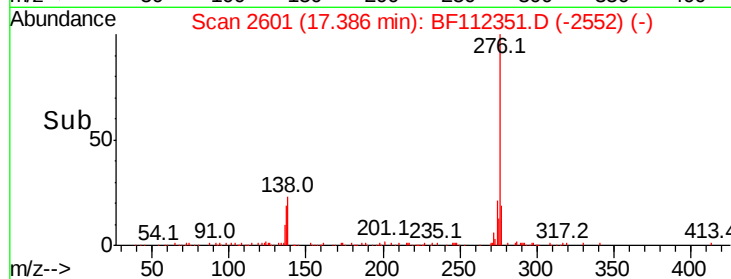
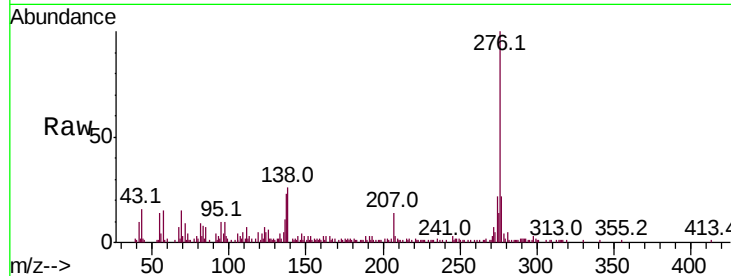
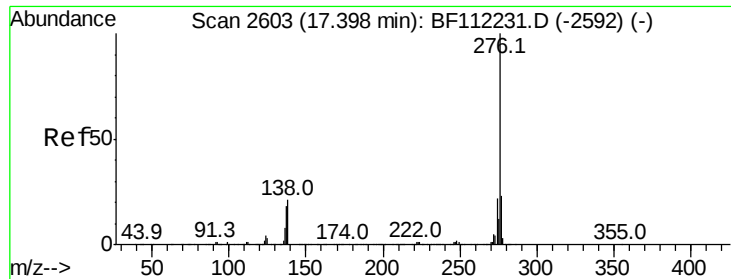
#90
Benzo(a)pyrene
Concen: 7.987 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF112351.D
Acq: 1 Feb 2019 15:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	13.8	9.0	13.4



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





#92
 Benzo(a,h,i)perylene
 Concen: 5.627 ng
 RT: 17.39 min Scan# 2601
 Delta R.T. -0.01 min
 Lab File: BF112351.D
 Acq: 1 Feb 2019 15:08

Tot Ion:	276	Resp:	86675
Ion Ratio	Lower	Upper	
276	100		
277	21.5	19.4	29.0
138	25.5	19.1	28.7

Instrument :
 BNA_F
 ClientSampleId :
 0036-COMP-2

Manual Integrations
 APPROVED

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