

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030419\
 Data File : BF112823.D
 Acq On : 4 Mar 2019 14:45
 Operator : JU/SJ
 Sample : K1707-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S12

Manual Integrations
 APPROVED

Sohil
 3/5/2019 11:00:43 AM

Quant Time: Mar 05 01:17:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	160205	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	613328	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	269431	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	465139	20.00	ng	0.00
76) Chrysene-d12	13.88	240	401901	20.00	ng	0.00
87) Perylene-d12	15.29	264	401016	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	992549	96.37	ng	0.01
7) Phenol-d6	6.38	99	1307882	101.09	ng	0.01
23) Nitrobenzene-d5	7.30	82	843796	82.32	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	310331	108.49	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1263322	75.41	ng	0.00
79) Terphenyl-d14	12.83	244	963948	46.49	ng	0.00
Target Compounds						
10) Phenol	6.39	94	32028	2.122	ng	91
50) Dimethylphthalate	9.49	163	95418	4.803	ng	98
71) Phenanthrene	11.27	178	101885	4.403	ng	98
75) Fluoranthene	12.46	202	162234	6.543	ng	96
78) Pyrene	12.69	202	166302	4.908	ng	96
81) Benzo(a)anthracene	13.87	228	98437m	3.534	ng	
83) Chrysene	13.90	228	113116	4.146	ng	96
86) Indeno(1,2,3-cd)pyrene	16.65	276	48793	2.098	ng	95
88) Benzo(b)fluoranthene	14.89	252	150324m	5.795	ng	
90) Benzo(a)pyrene	15.23	252	93122	4.059	ng	99
92) Benzo(g,h,i)perylene	17.06	276	45631	2.321	ng	99

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

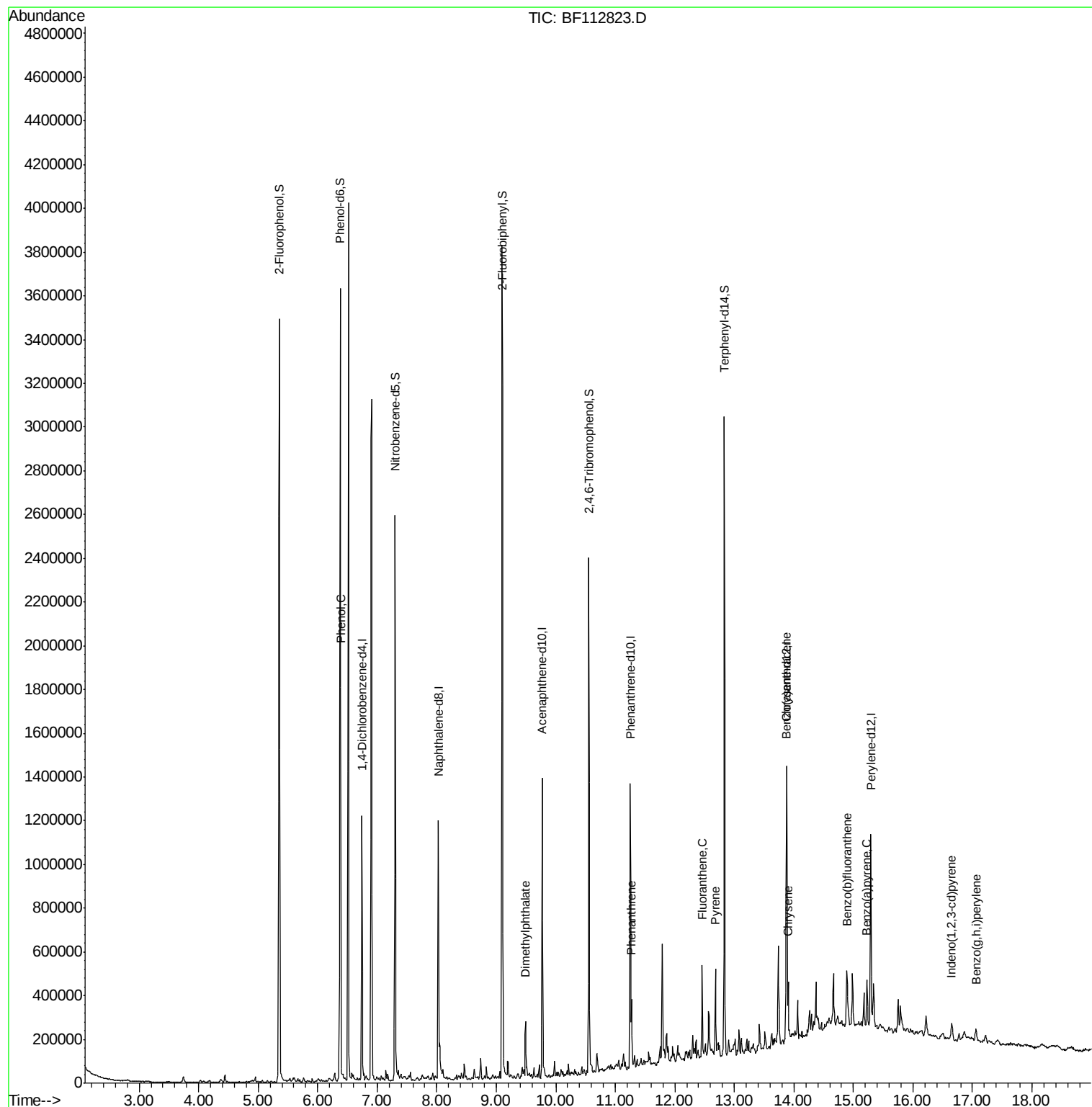
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030419\
Data File : BF112823.D
Acq On : 4 Mar 2019 14:45
Operator : JU/SJ
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Instrument :
BNA_F
ClientSampleId :
S12

Manual Integrations
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3/5/2019 11:00:43 AM

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

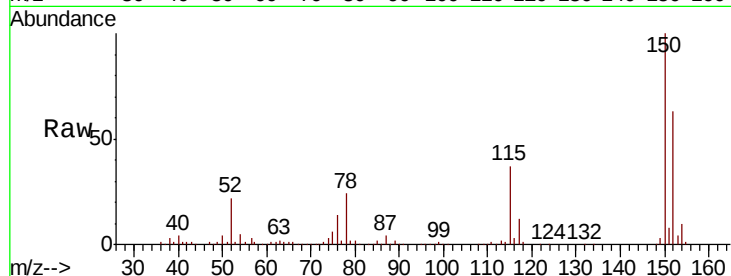
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112823.D
Acq: 4 Mar 2019 14:45

Instrument :
BNA_F
ClientSampled :
S12

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.2	186.2
115	59.5	48.2	72.4

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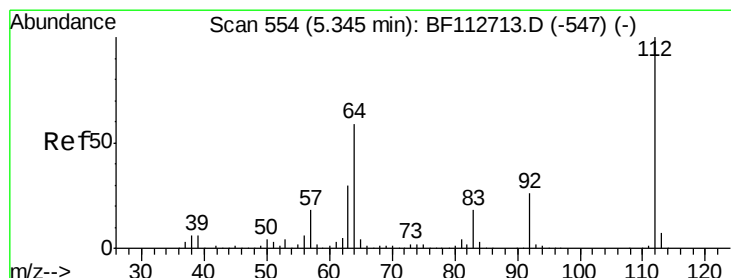
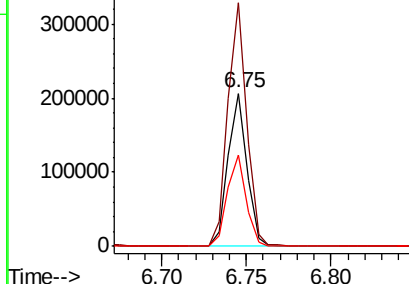
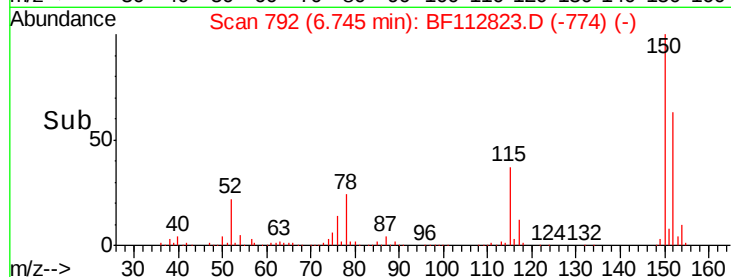


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

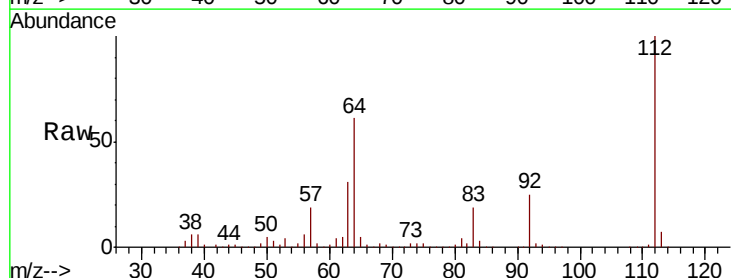
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.374 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF112823.D
Acq: 4 Mar 2019 14:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.0	47.6	71.4
63	31.3	24.4	36.6

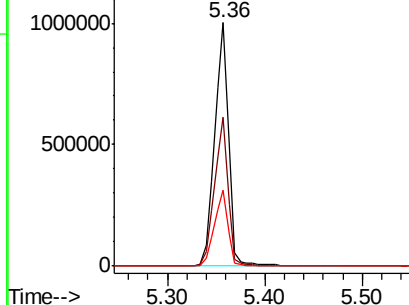
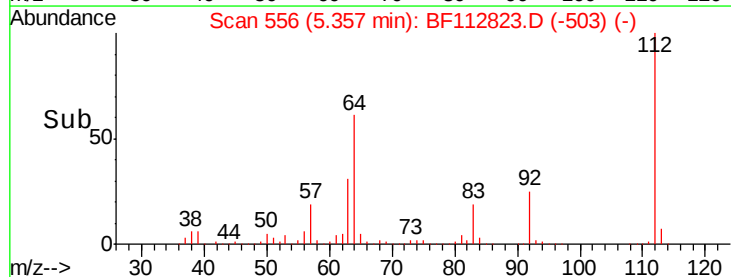


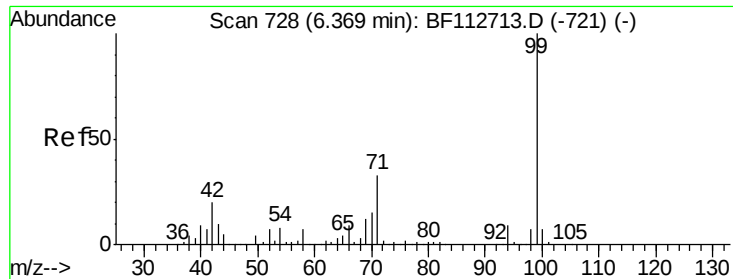
Abundance

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: 101.095 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF112823.D

Acq: 4 Mar 2019 14:45

Instrument :

BNA_F

ClientSampleId :

S12

Tot Ion: 99 Resp: 1307882

Ion Ratio Lower Upper

99 100

42 19.8 16.3 24.5

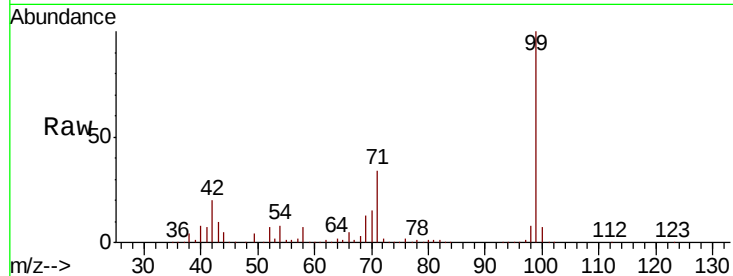
71 33.9 26.2 39.4

Manual Integrations

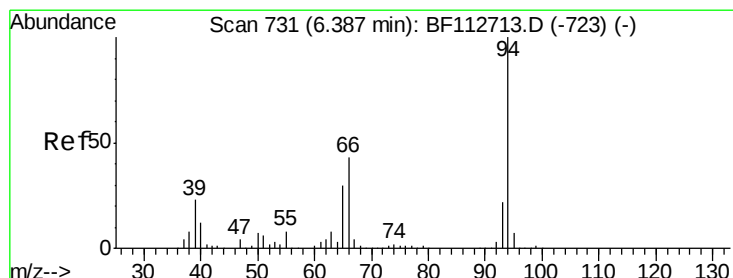
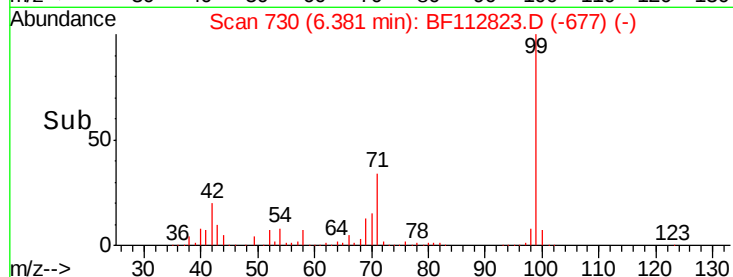
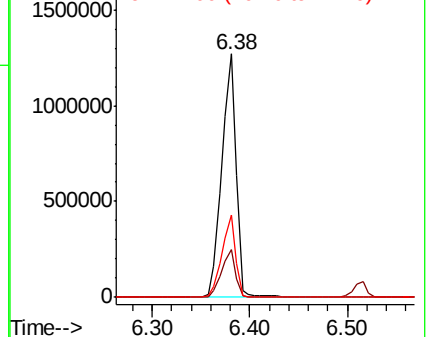
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.122 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF112823.D

Acq: 4 Mar 2019 14:45

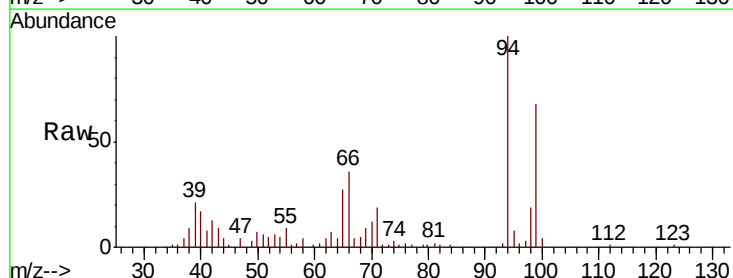
Tgt Ion: 94 Resp: 32028

Ion Ratio Lower Upper

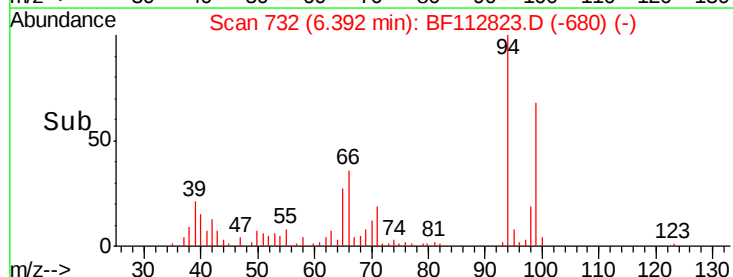
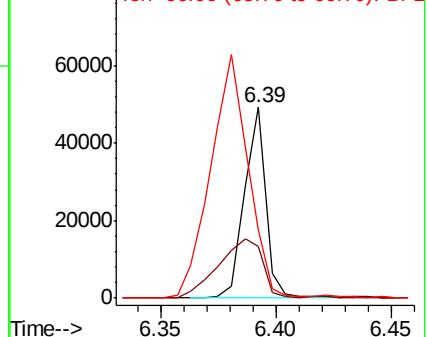
94 100

65 27.4 10.5 50.5

66 35.7 22.6 62.6



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





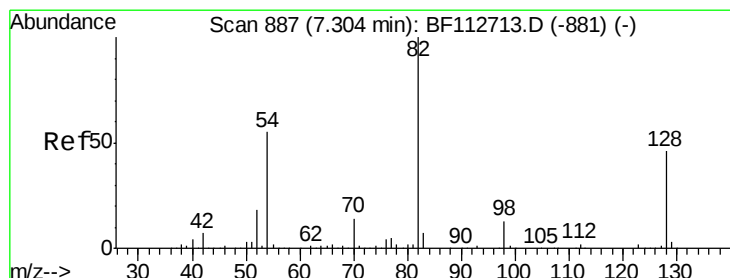
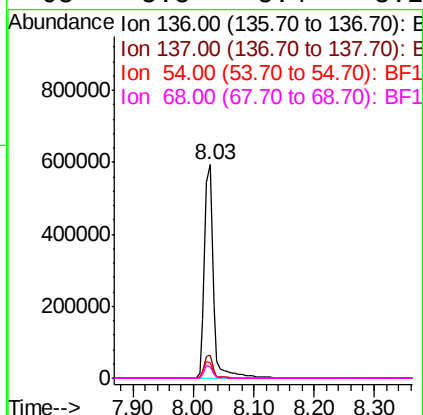
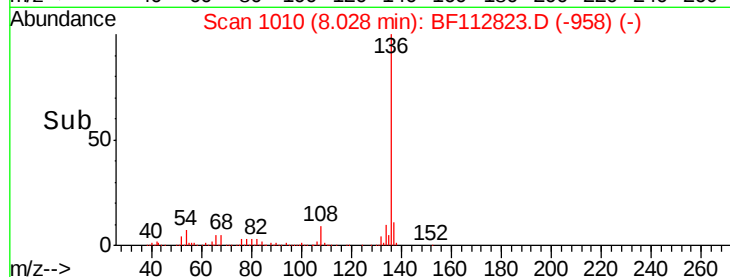
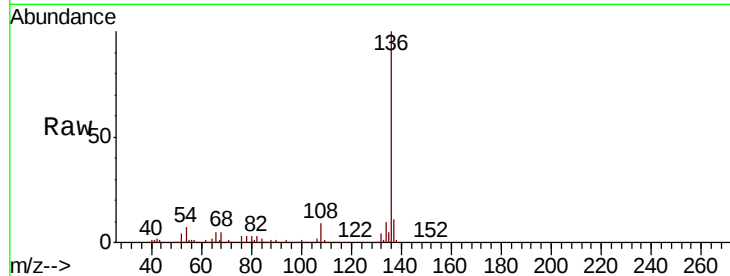
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.01 min
Lab File: BF112823.D
Acq: 4 Mar 2019 14:45

Instrument :
BNA_F
ClientSampleId :
S12

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		613328		
137	10.7		8.9	13.3	
54	7.3		7.3	10.9	
68	5.5		5.4	8.2	

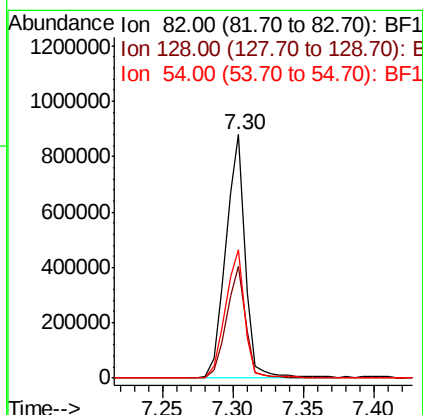
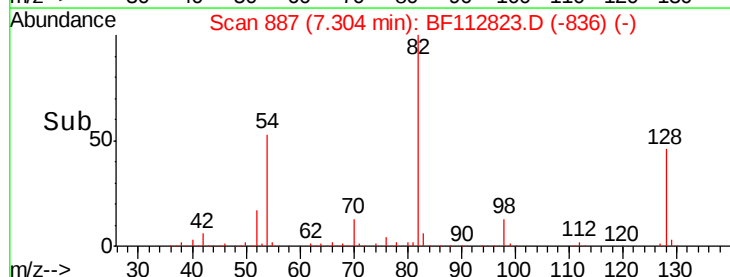
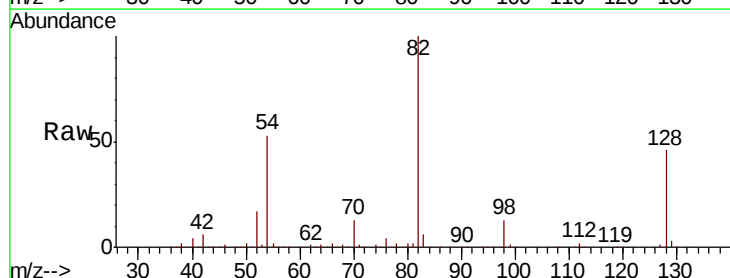
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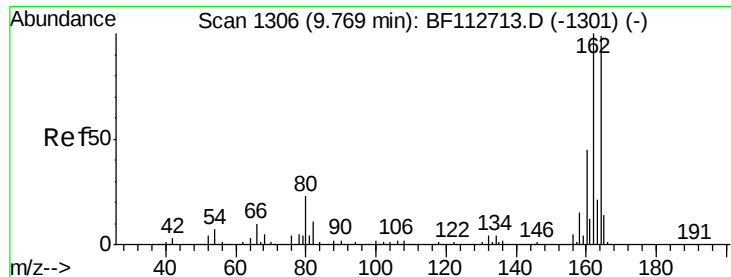
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#23
Nitrobenzene-d5
Concen: 82.323 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.00 min
Lab File: BF112823.D
Acq: 4 Mar 2019 14:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		843796		
128	45.7		36.3	54.5	
54	52.6		43.7	65.5	





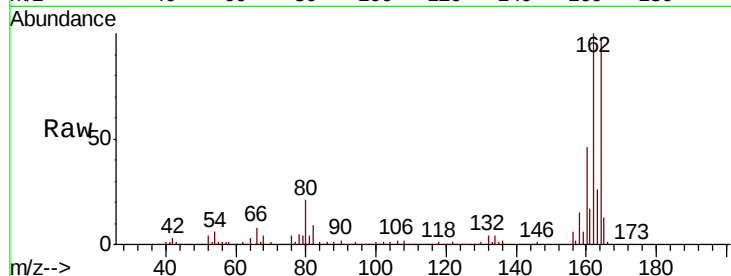
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: BF112823.D
 Acq: 4 Mar 2019 14:45

Instrument :
 BNA_F
 ClientSampleId :
 S12

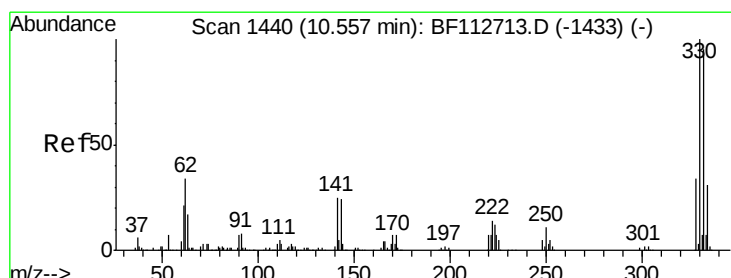
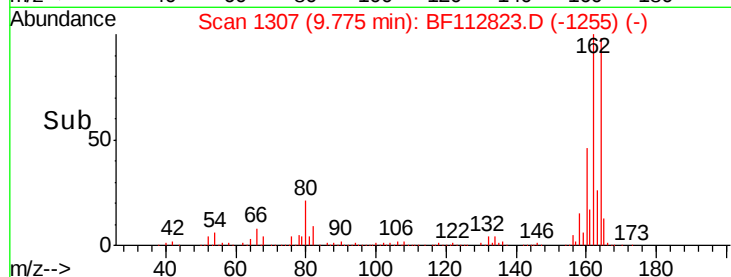
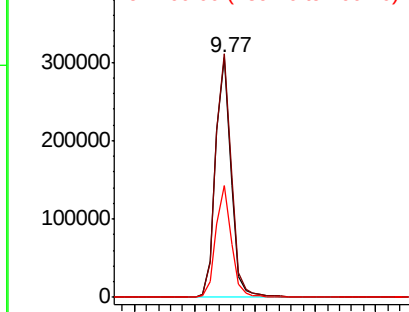
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.7	80.6	120.8	
160	46.6	36.0	54.0	

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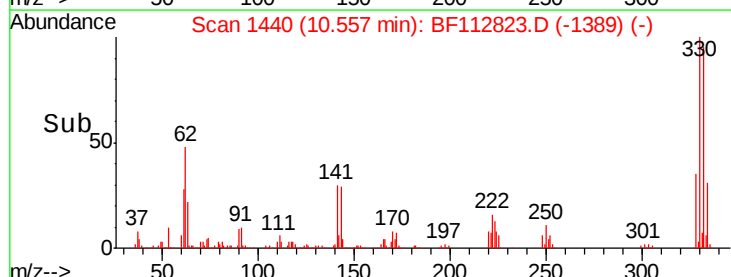
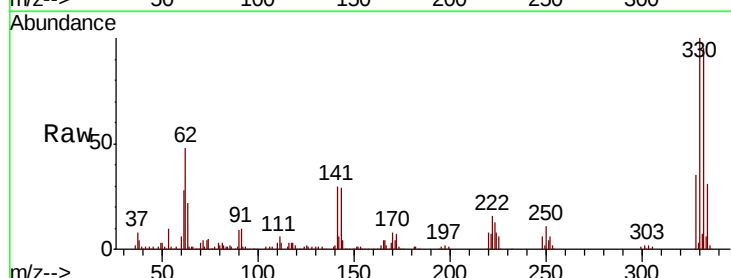
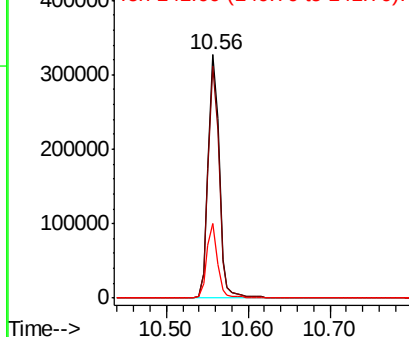
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

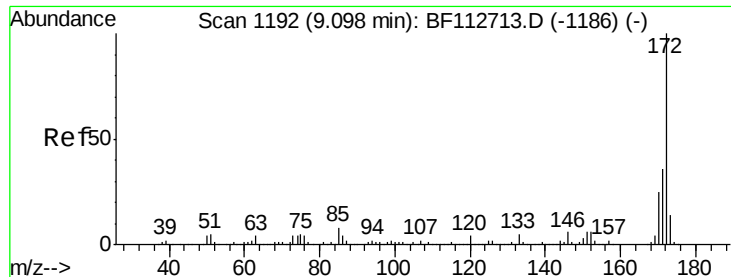


#42
 2,4,6-Tribromophenol
 Concen: 108.494 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF112823.D
 Acq: 4 Mar 2019 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.2	76.2	114.4	
141	29.3	27.0	40.6	

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





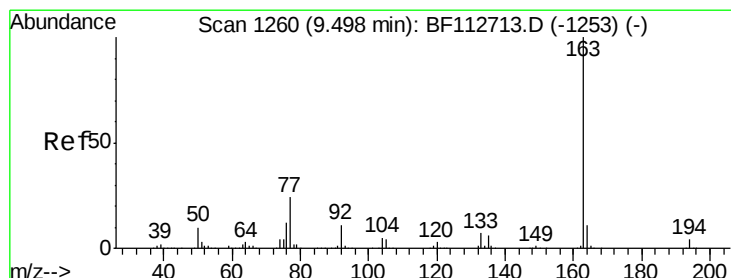
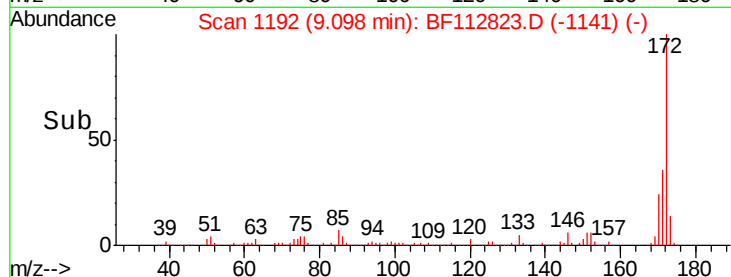
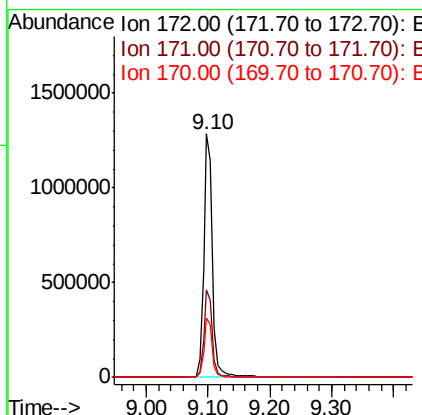
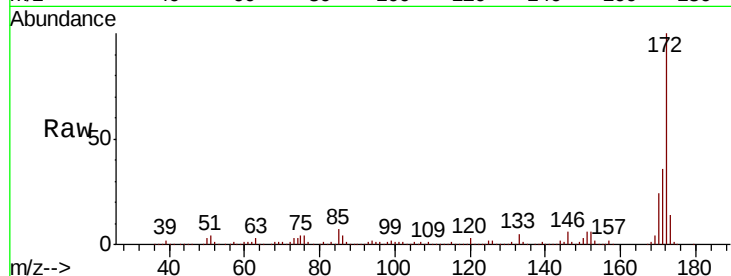
#45
2-Fluorobiphenyl
Concen: 75.406 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112823.D
Acq: 4 Mar 2019 14:45

Instrument :
BNA_F
ClientSampleId :
S12

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.0	43.4
170	24.1	20.0	30.0

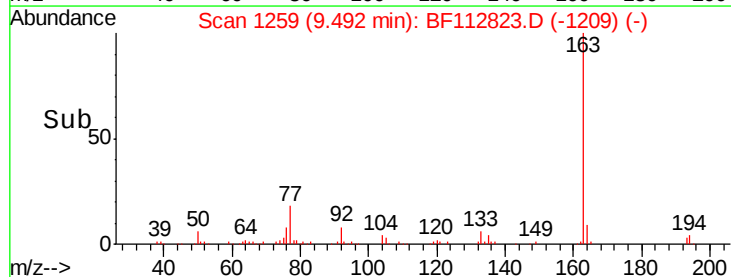
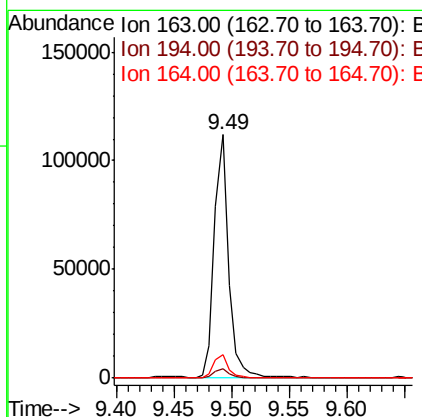
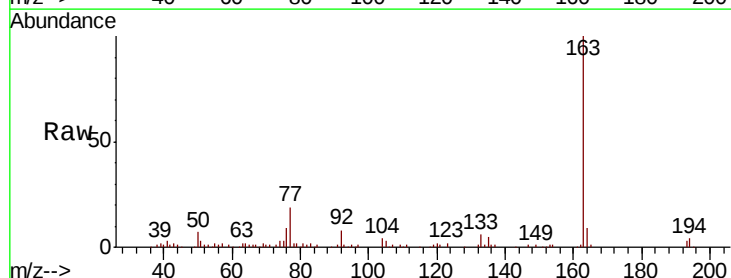
Manual Integrations
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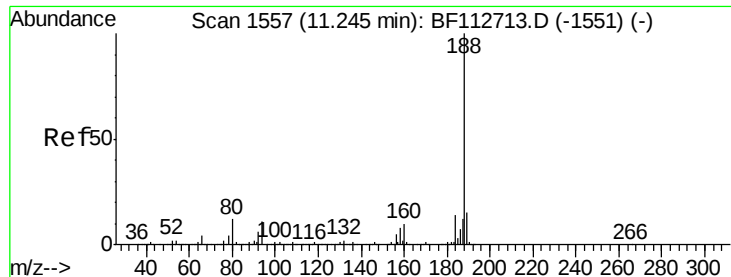
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#50
Dimethylphthalate
Concen: 4.803 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF112823.D
Acq: 4 Mar 2019 14:45

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.4
164	9.4	8.4	12.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BF112823.D

Acq: 4 Mar 2019 14:45

Instrument :

BNA_F

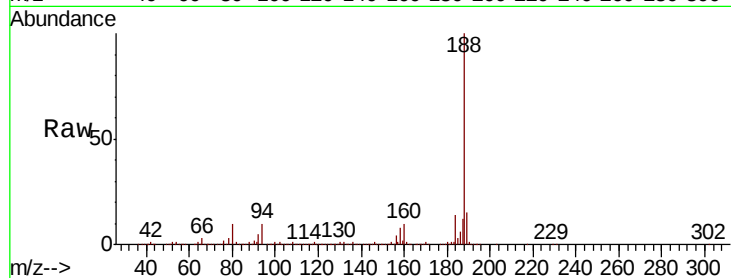
ClientSampled :

S12

Tot Ion:	188	Resp:	465139
Ion Ratio	Lower	Upper	
188	100		
94	9.9	9.0	13.4
80	10.5	9.2	13.8

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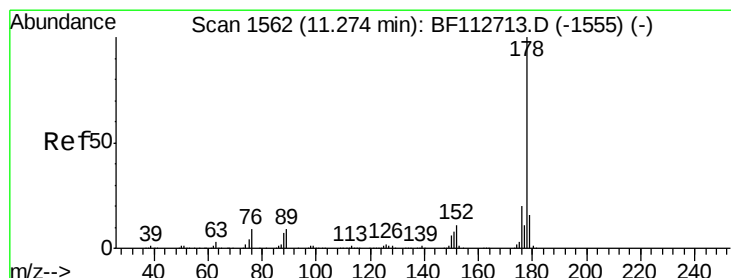
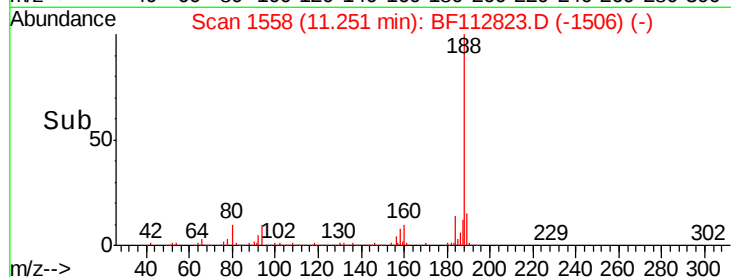
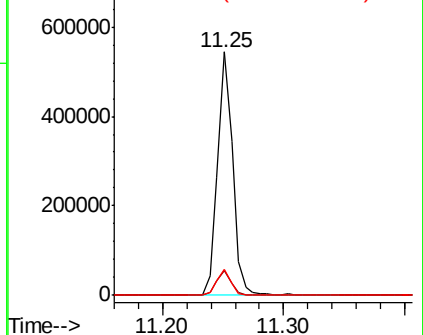
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 4.403 ng

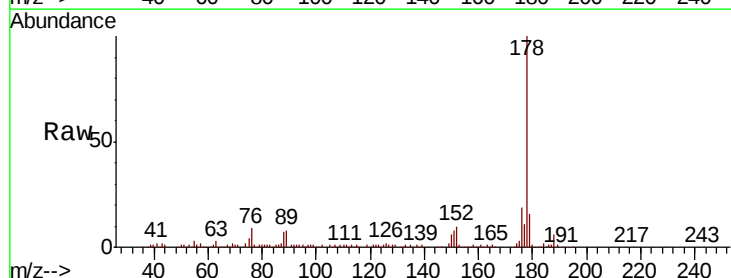
RT: 11.27 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF112823.D

Acq: 4 Mar 2019 14:45

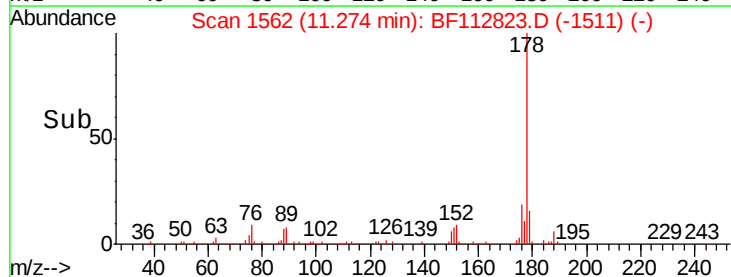
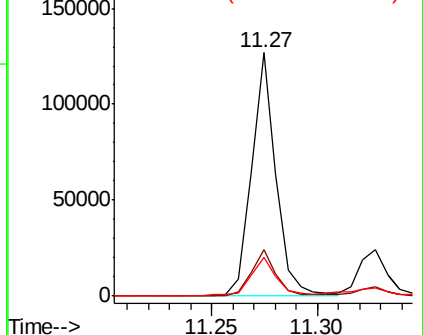
Tgt Ion:	178	Resp:	101885
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.3	24.5
179	16.1	12.7	19.1

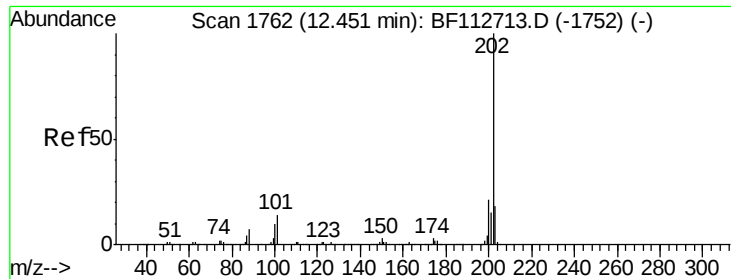


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 6.543 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112823.D

Acq: 4 Mar 2019 14:45

Instrument :

BNA_F

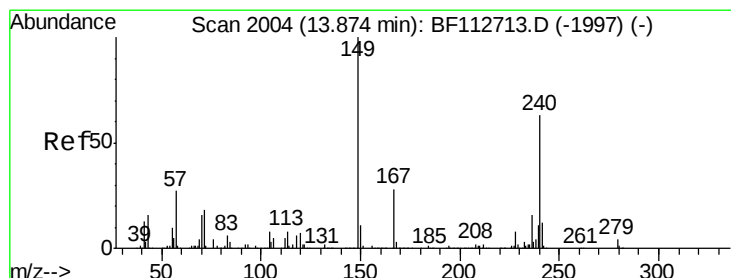
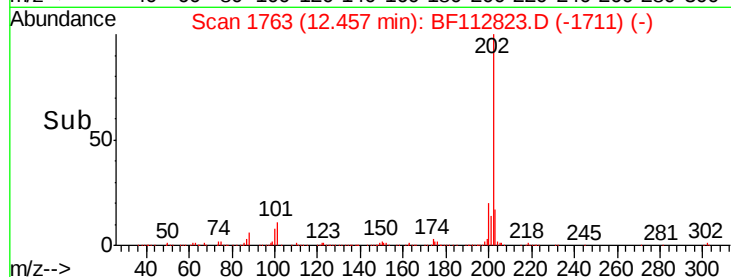
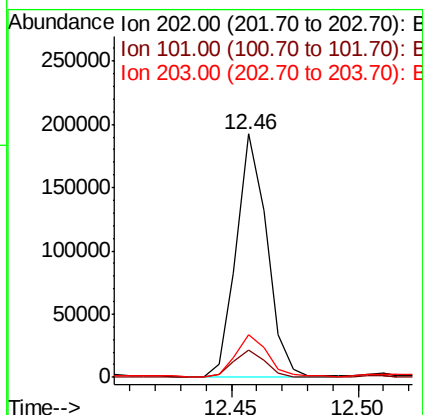
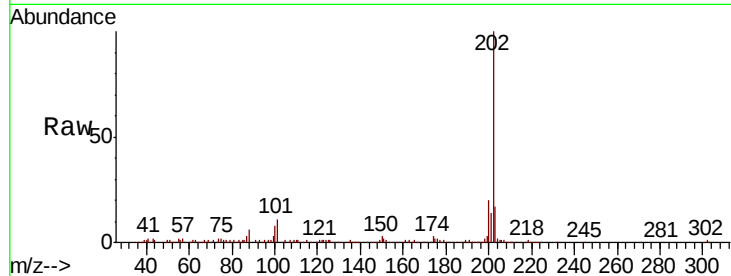
ClientSampled :

S12

Tot Ion:	202	Resp:	162234
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	33.8
203	17.4	0.0	38.4

Manual Integrations
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3/5/2019 11:00:43 AM



#76

Chrysene-d12

Concen: 20.000 ng

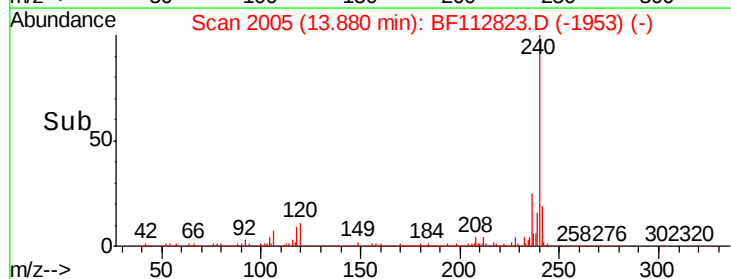
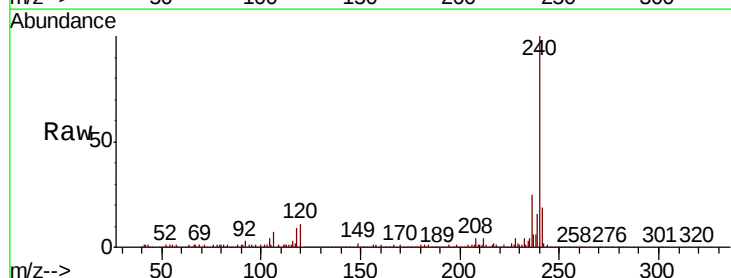
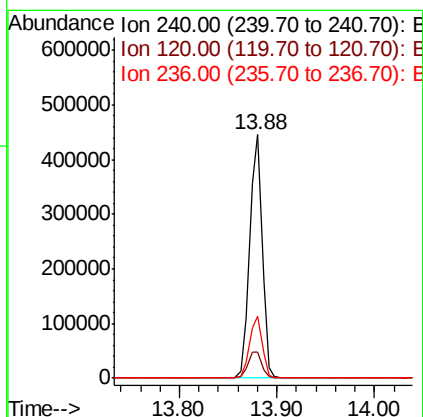
RT: 13.88 min Scan# 2005

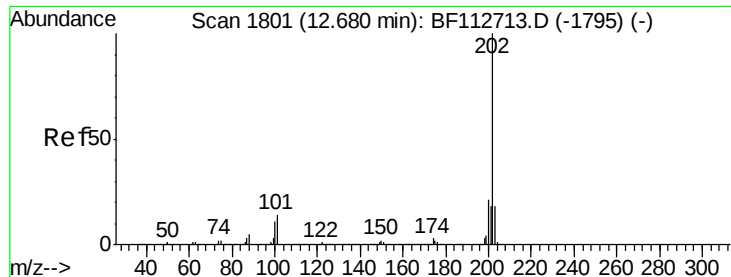
Delta R.T. 0.01 min

Lab File: BF112823.D

Acq: 4 Mar 2019 14:45

Tgt Ion:	240	Resp:	401901
Ion Ratio	Lower	Upper	
240	100		
120	10.9	8.9	13.3
236	25.5	20.7	31.1





#78

Pvrene

Concen: 4.908 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.01 min

Lab File: BF112823.D

Acq: 4 Mar 2019 14:45

Instrument :

BNA_F

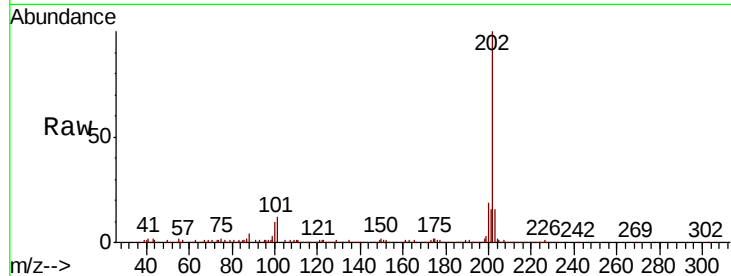
ClientSampled :

S12

Tot Ion:	202	Resp:	166302
Ion Ratio		Lower	Upper
202	100		
200	19.0	17.0	25.4
203	16.5	14.4	21.6

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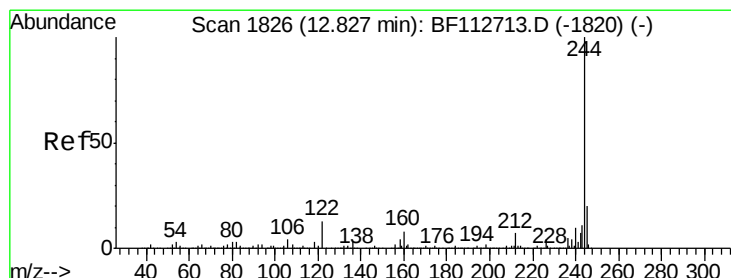
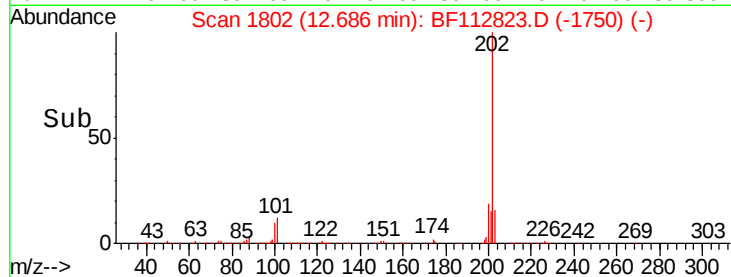
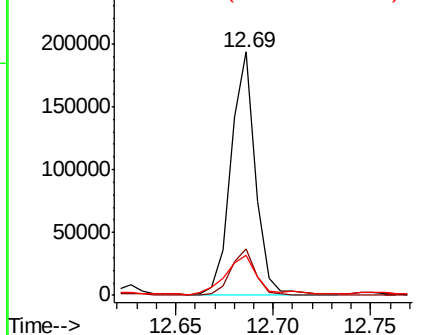


Abundance

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: 46.494 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF112823.D

Acq: 4 Mar 2019 14:45

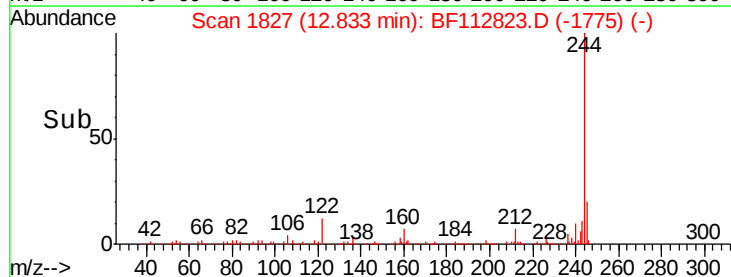
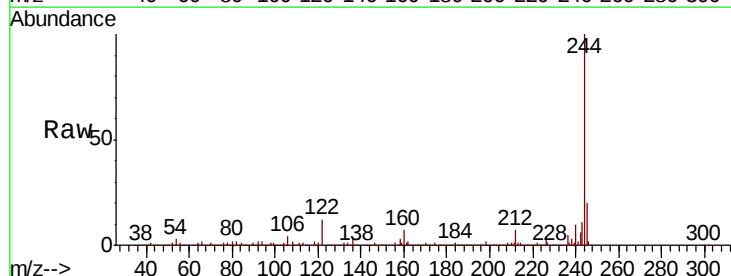
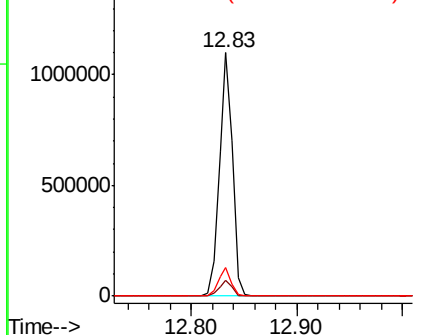
Tgt Ion:	244	Resp:	963948
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.6	8.4
122	11.6	10.5	15.7

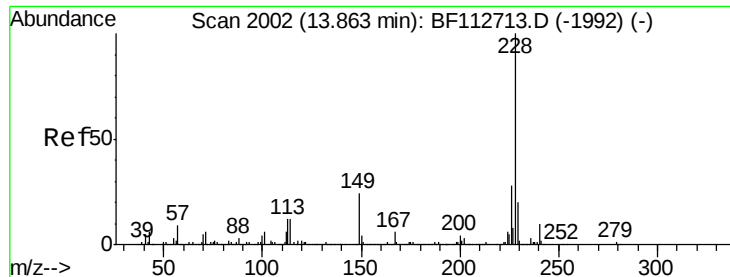
Abundance

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





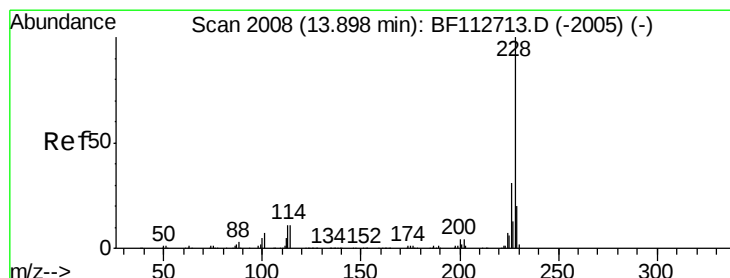
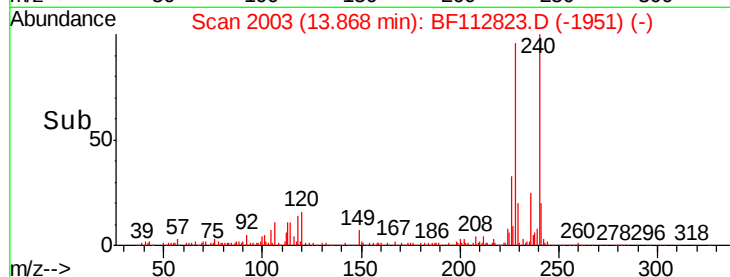
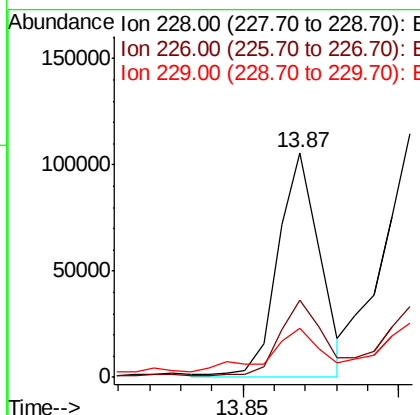
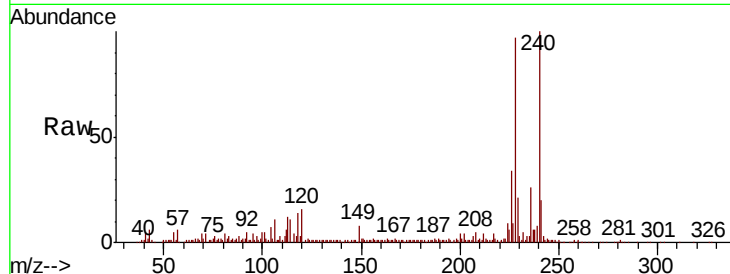
#81
Benzo(a)anthracene
Concen: 3.534 ng m
RT: 13.87 min Scan# 2003
Delta R.T. 0.01 min
Lab File: BF112823.D
Acq: 4 Mar 2019 14:45

Instrument :
BNA_F
ClientSampleId :
S12

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.5	22.2	33.4#
229	21.9	16.0	24.0

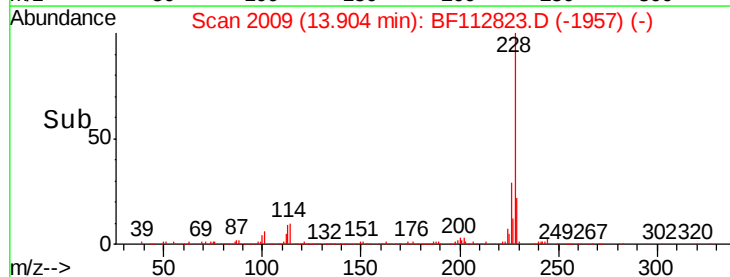
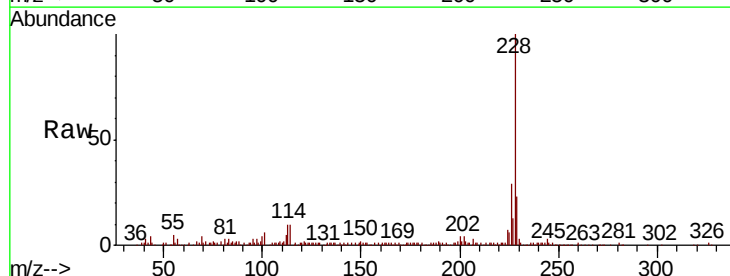
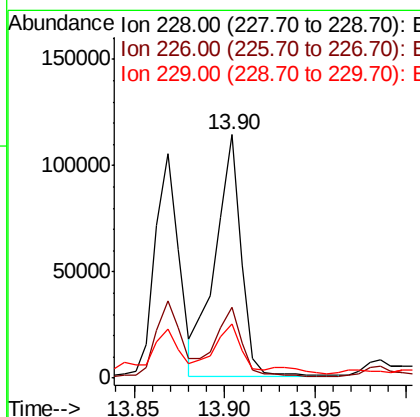
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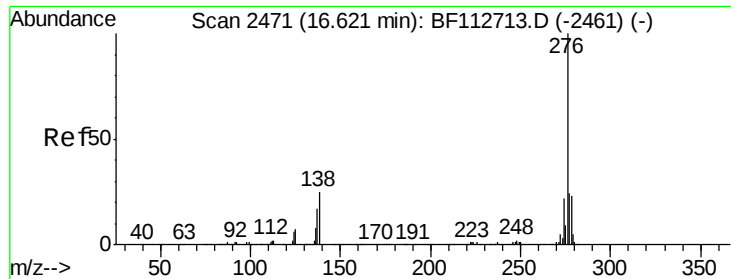
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#83
Chrysene
Concen: 4.146 ng
RT: 13.90 min Scan# 2009
Delta R.T. 0.01 min
Lab File: BF112823.D
Acq: 4 Mar 2019 14:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.9	37.3
229	22.5	16.3	24.5





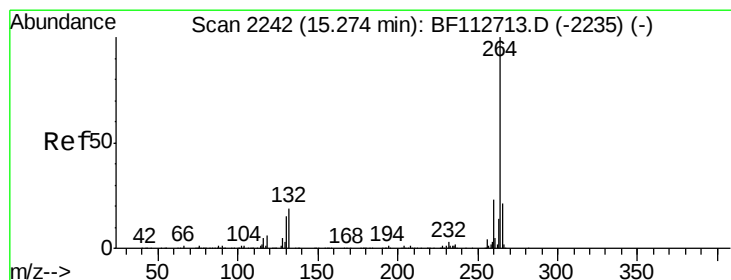
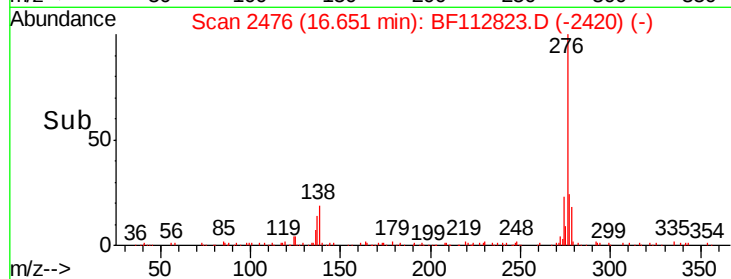
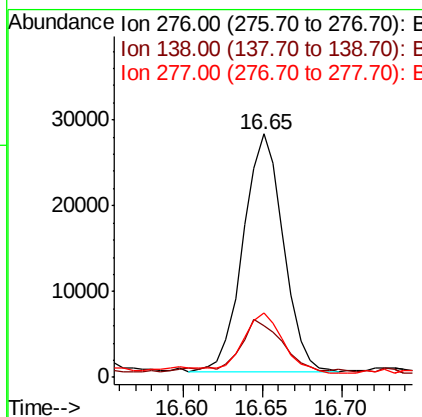
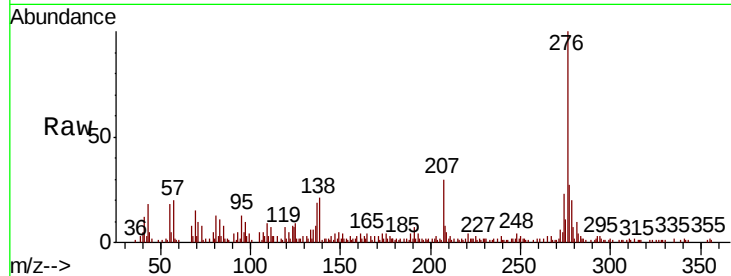
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.098 ng
 RT: 16.65 min Scan# 2476
 Delta R.T. 0.03 min
 Lab File: BF112823.D
 Acq: 4 Mar 2019 14:45

Instrument :
 BNA_F
 ClientSampled :
 S12

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.7	23.2	34.8
277	25.8	19.9	29.9

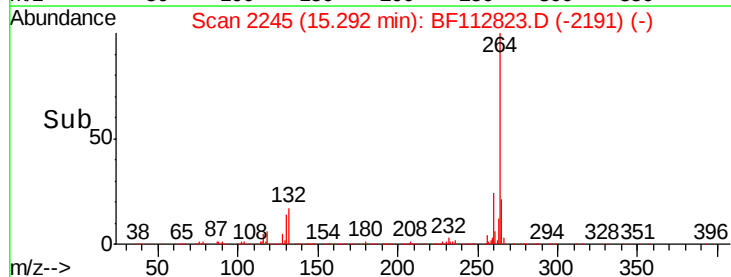
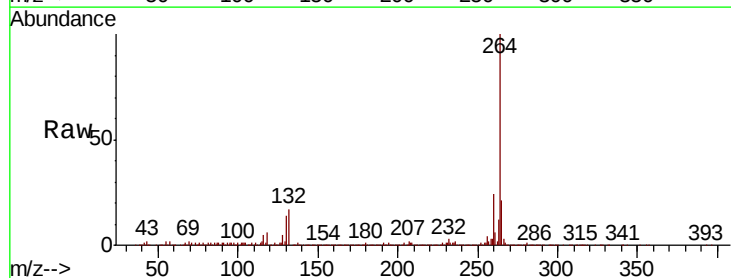
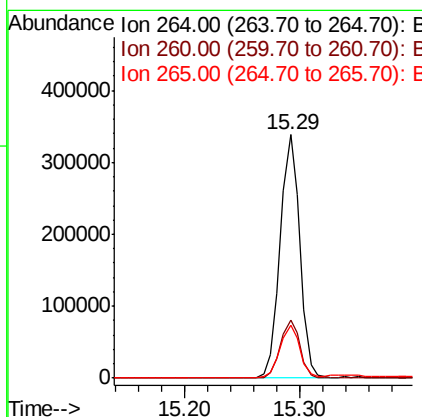
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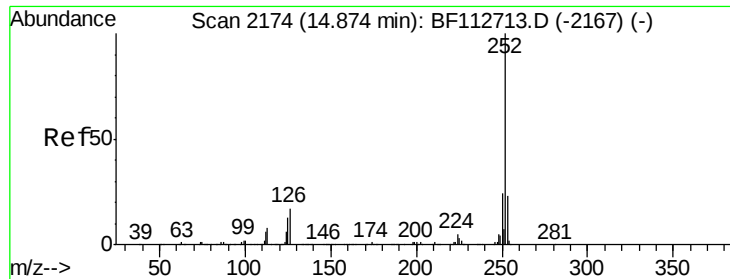
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2245
 Delta R.T. 0.02 min
 Lab File: BF112823.D
 Acq: 4 Mar 2019 14:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	21.5	17.2	25.8





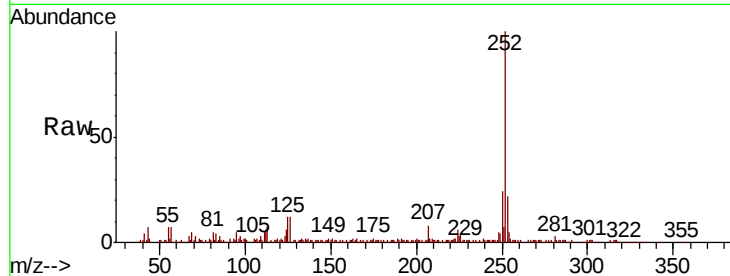
#88
Benzo(b)fluoranthene
Concen: 5.795 ng m
RT: 14.89 min Scan# 2177
Delta R.T. 0.02 min
Lab File: BF112823.D
Acq: 4 Mar 2019 14:45

Instrument :
BNA_F
ClientSampleId :
S12

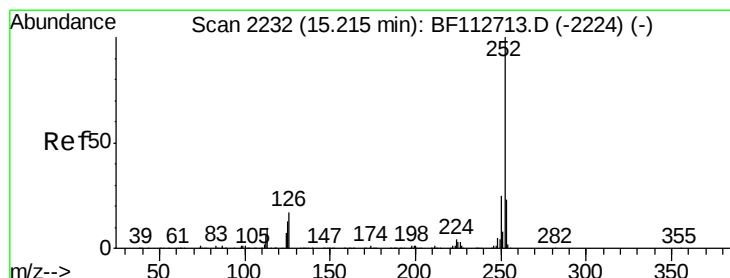
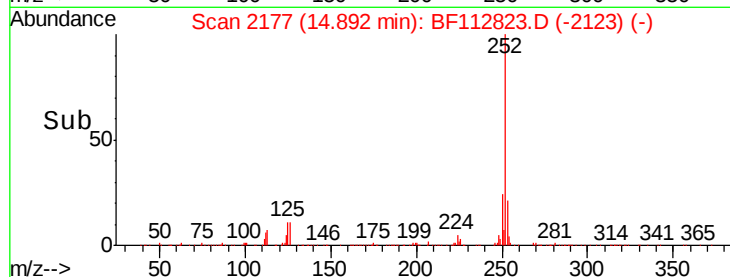
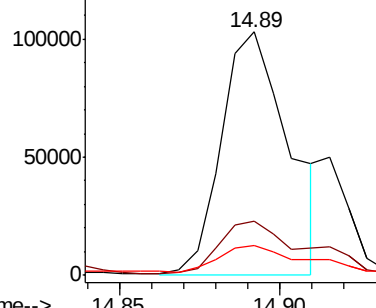
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	12.1	10.2	15.2

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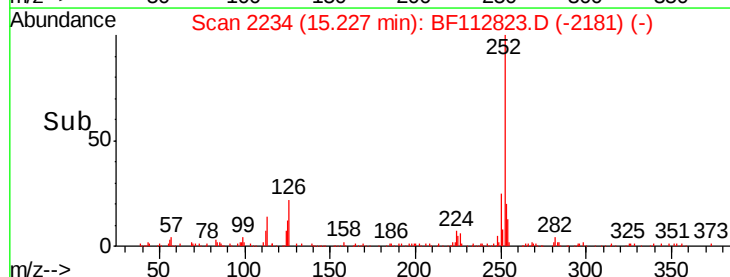
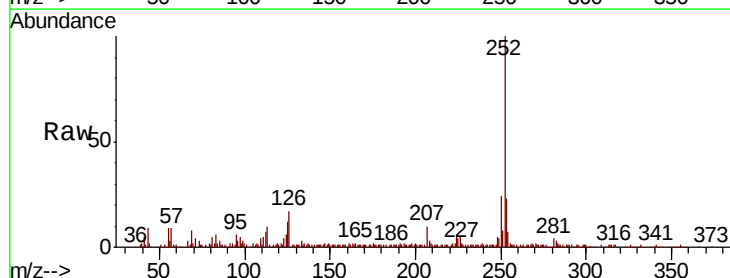
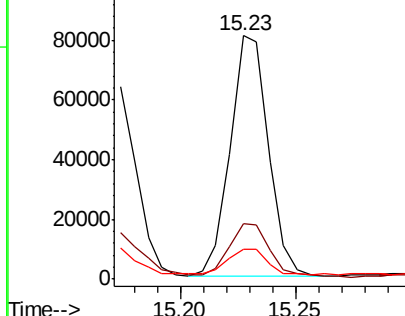
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

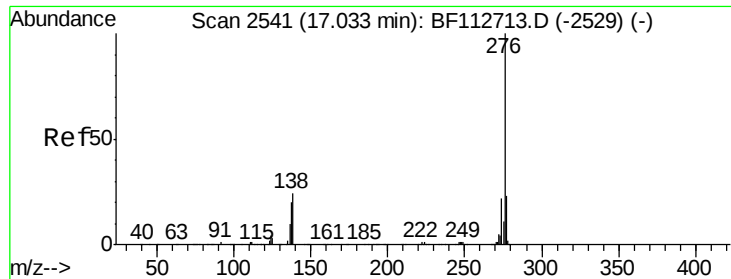


#90
Benzo(a)pyrene
Concen: 4.059 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BF112823.D
Acq: 4 Mar 2019 14:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	12.5	10.7	16.1

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





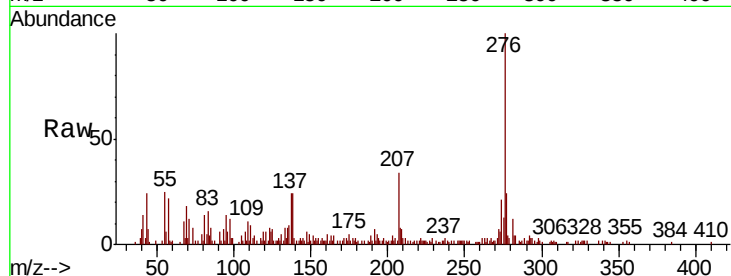
#92
 Benzo(a,h,i)perylene
 Concen: 2.321 ng
 RT: 17.06 min Scan# 2545
 Delta R.T. 0.02 min
 Lab File: BF112823.D
 Acq: 4 Mar 2019 14:45

Instrument :
 BNA_F
 ClientSampleId :
 S12

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	27.8
138	23.8	19.4	29.0

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

