

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
 Data File : BF113094.D
 Acq On : 18 Mar 2019 17:00
 Operator : JU/SJ
 Sample : K1901-03 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(0.5-1.5)

Manual Integrations
 APPROVED

Sohil
 3/19/2019 5:09:48 PM

Quant Time: Mar 19 05:29:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	165566	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	554178	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	286492	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	504880	20.00	ng	0.00
76) Chrysene-d12	13.87	240	431816	20.00	ng	0.00
87) Perylene-d12	15.28	264	474466	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	159470	14.98	ng	0.00
7) Phenol-d6	6.37	99	220175	16.47	ng	0.00
23) Nitrobenzene-d5	7.29	82	122490	13.23	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	52090	17.13	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	264669	11.30	ng	-0.01
79) Terphenyl-d14	12.82	244	220718	9.91	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.26	178	141545	5.635	ng	98
75) Fluoranthene	12.44	202	269313	10.007	ng	95
78) Pyrene	12.67	202	241441	6.632	ng	99
81) Benzo(a)anthracene	13.86	228	133270	4.453	ng	99
83) Chrysene	13.89	228	141079	4.812	ng	97
88) Benzo(b)fluoranthene	14.88	252	170422m	5.553	ng	
89) Benzo(k)fluoranthene	14.90	252	65094m	2.342	ng	
90) Benzo(a)pyrene	15.22	252	114813	4.230	ng	98

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

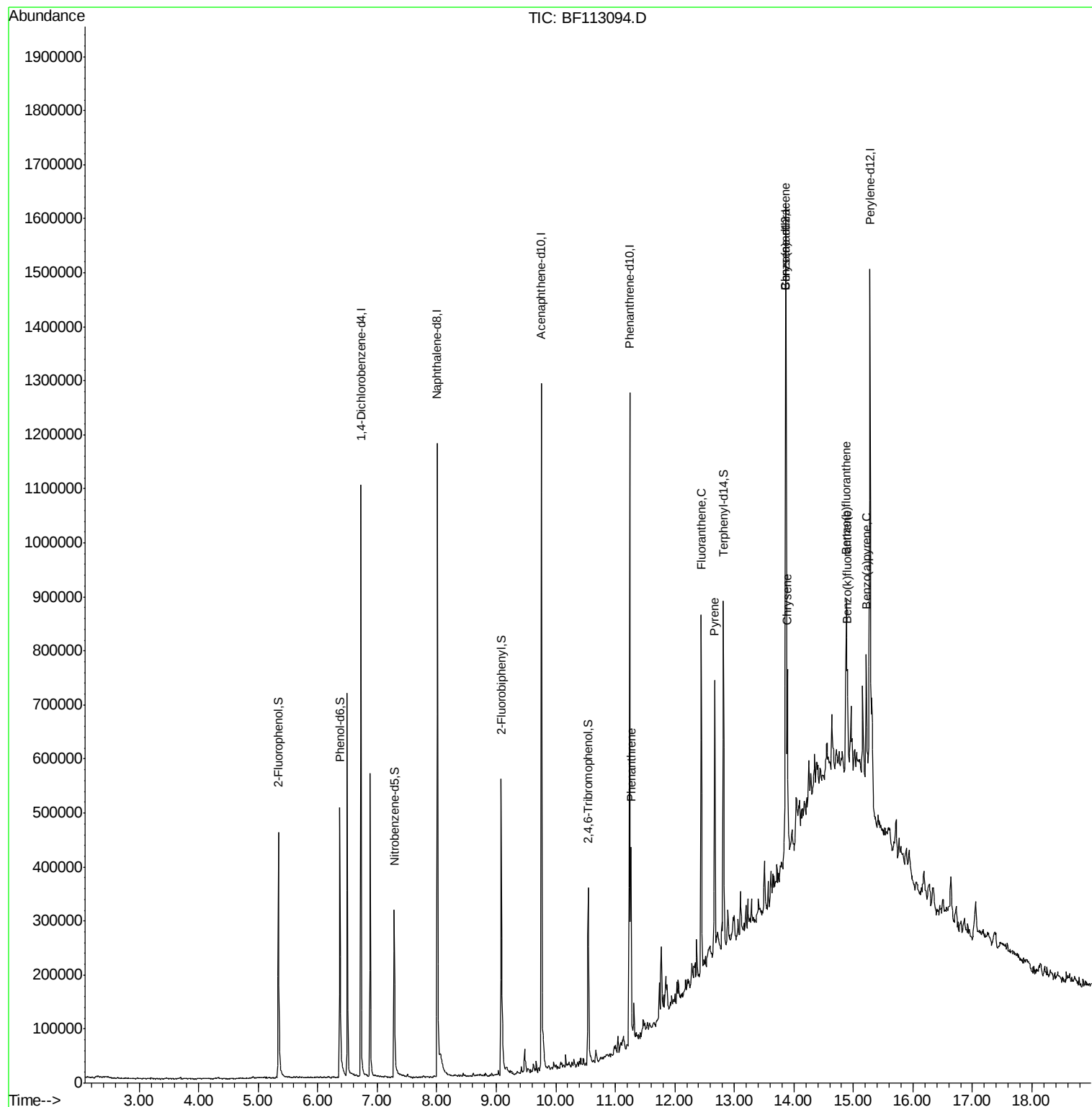
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113094.D
Acq On : 18 Mar 2019 17:00
Operator : JU/SJ
Sample : K1901-03 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

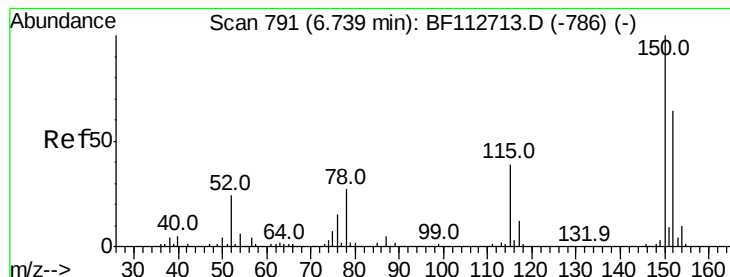
Instrument :
BNA_F
ClientSampleId :
SB-3(0.5-1.5)

Manual Integrations
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 13 03:42:55 2019
Response via : Initial Calibration





#1

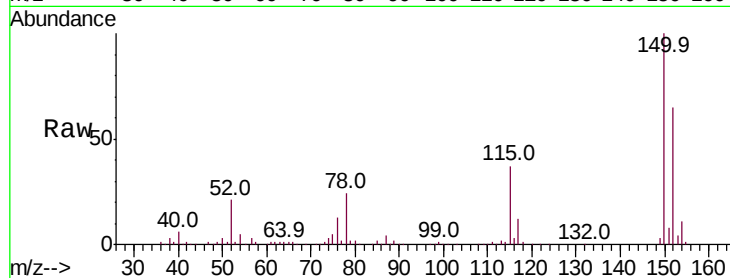
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113094.D
Acq: 18 Mar 2019 17:00

Instrument :
BNA_F
ClientSampleId :
SB-3(0.5-1.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.2	186.2
115	56.3	48.2	72.4

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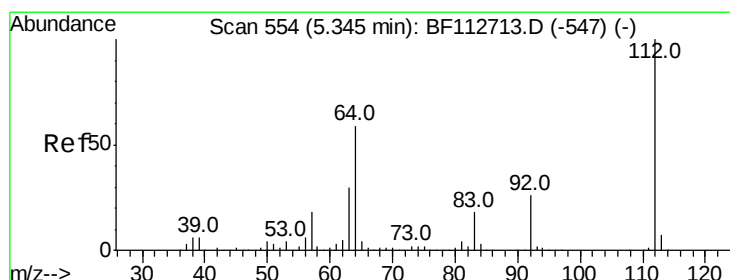
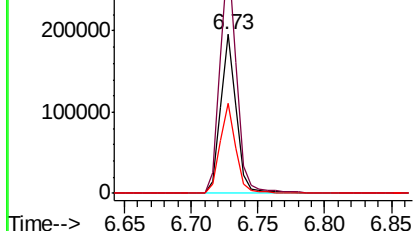
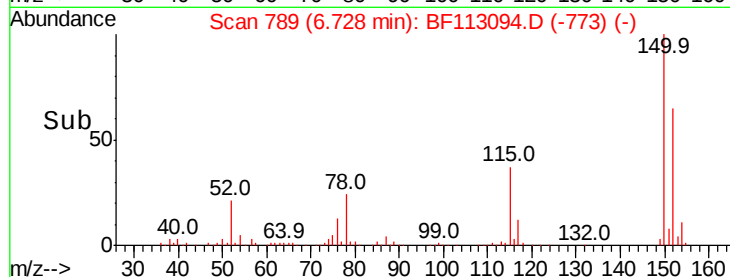


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

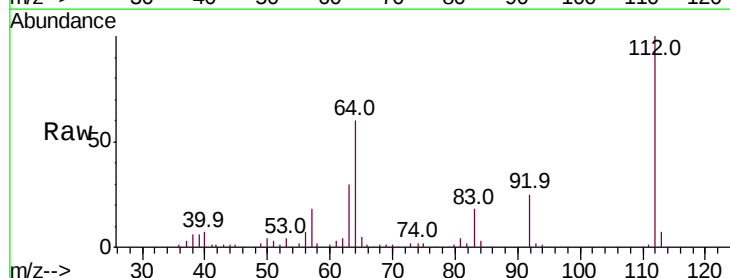
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 14.983 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF113094.D
Acq: 18 Mar 2019 17:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	47.6	71.4
63	29.6	24.4	36.6

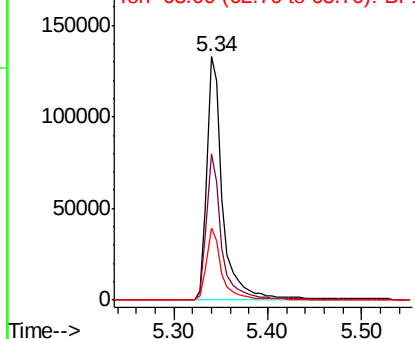
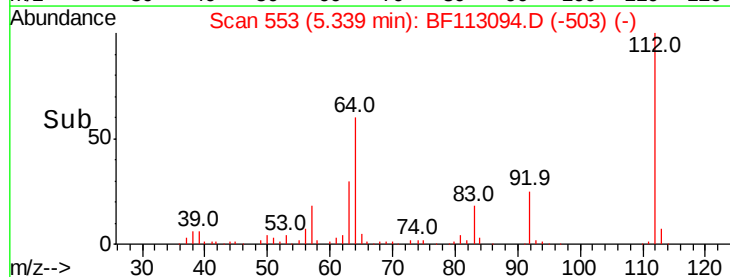


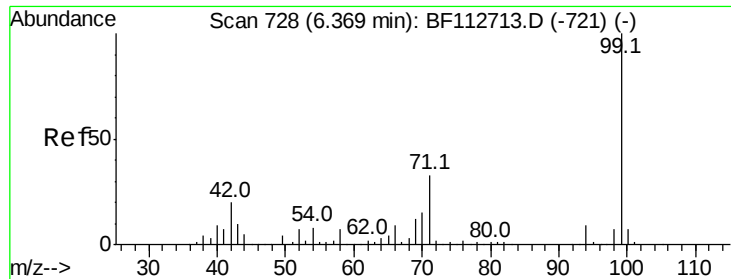
Abundance

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: 16.468 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113094.D

Acq: 18 Mar 2019 17:00

Instrument :

BNA_F

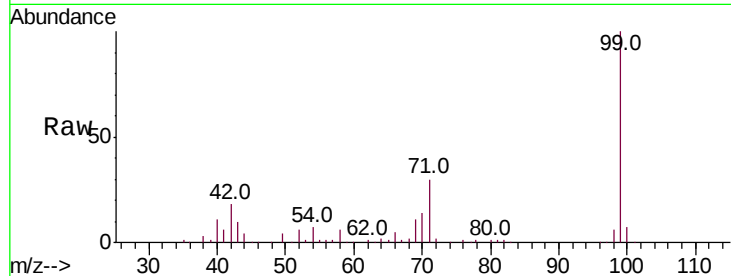
ClientSampled :

SB-3(0.5-1.5)

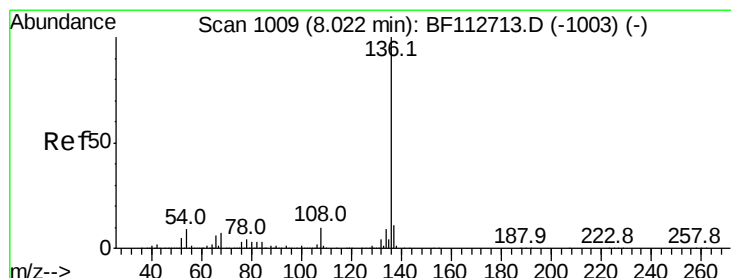
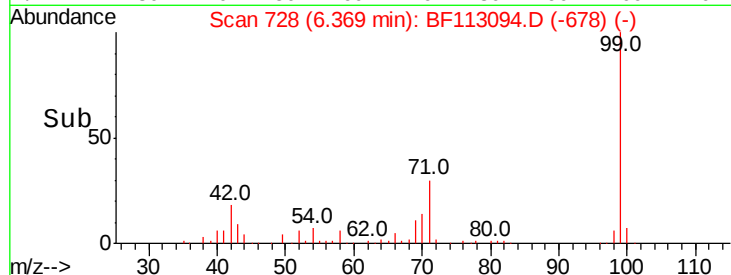
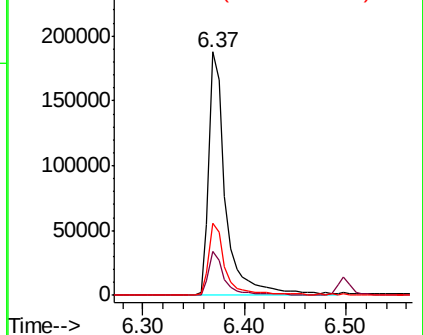
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		220175		
42	18.0	16.3	24.5		
71	29.9	26.2	39.4		

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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

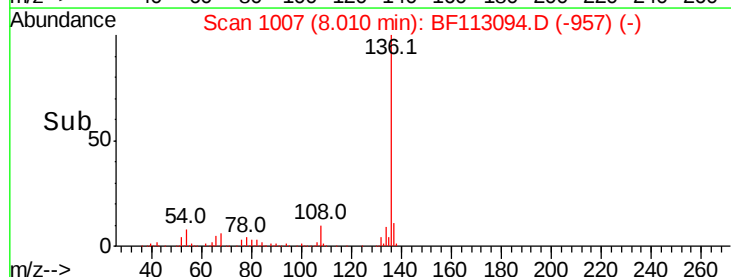
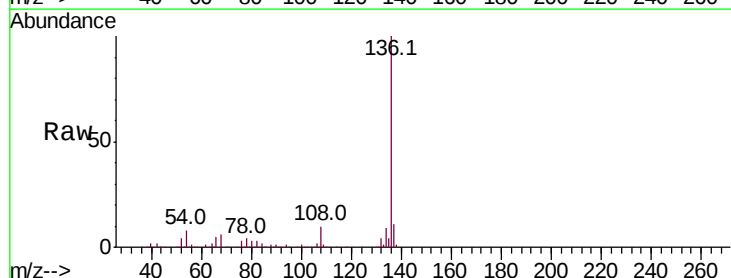
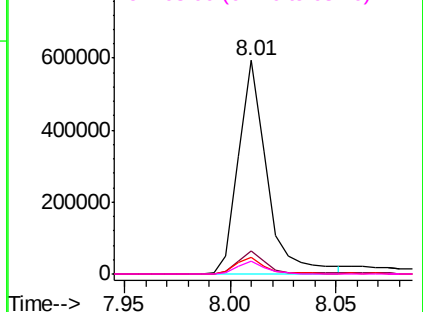
Delta R.T. -0.01 min

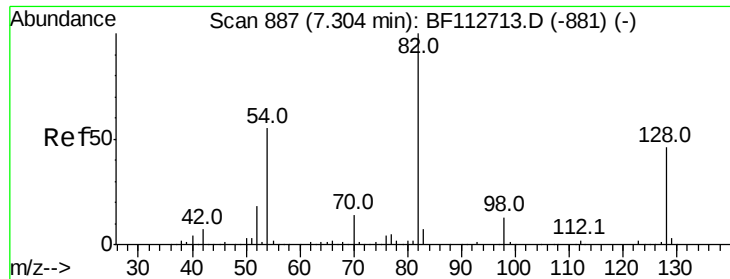
Lab File: BF113094.D

Acq: 18 Mar 2019 17:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		554178		
137	10.8	8.9	13.3		
54	7.9	7.3	10.9		
68	5.8	5.4	8.2		

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





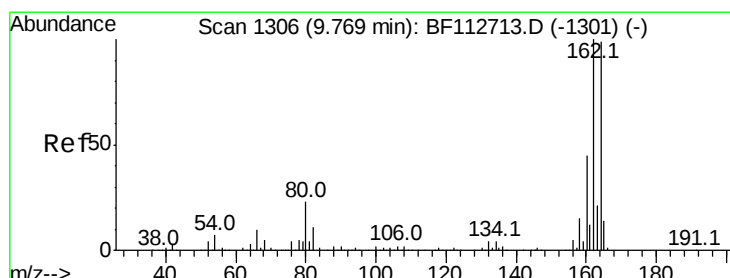
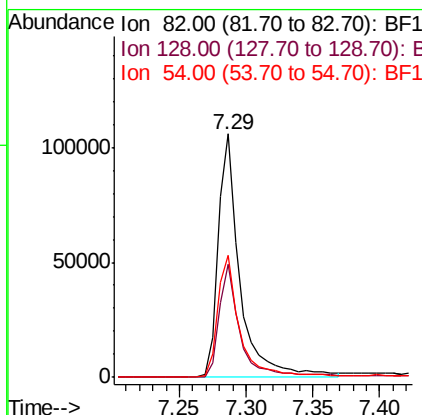
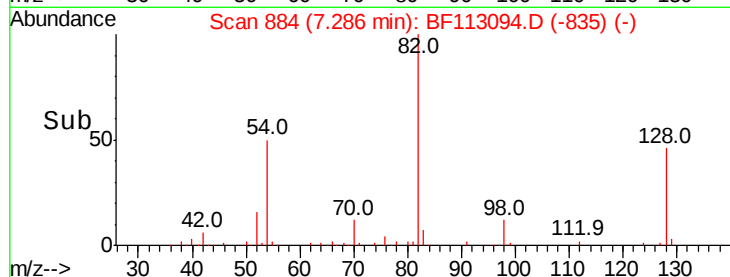
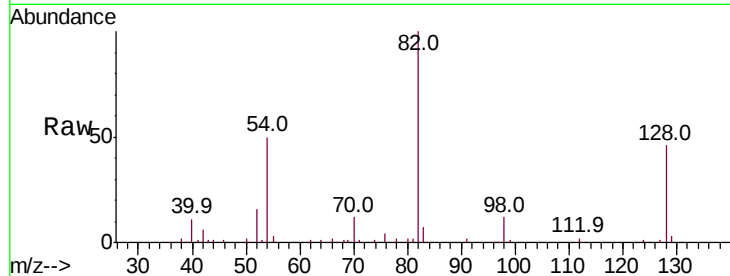
#23
Nitrobenzene-d5
Concen: 13.226 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113094.D
Acq: 18 Mar 2019 17:00

Instrument :
BNA_F
ClientSampled :
SB-3(0.5-1.5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.3	54.5
54	49.9	43.7	65.5

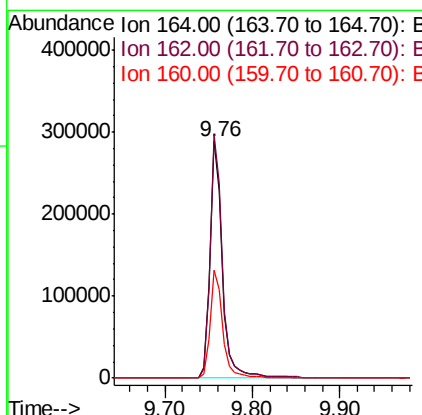
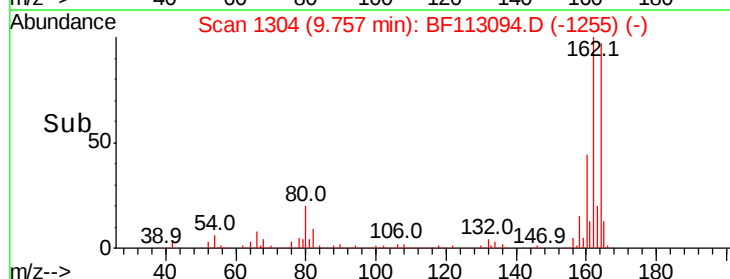
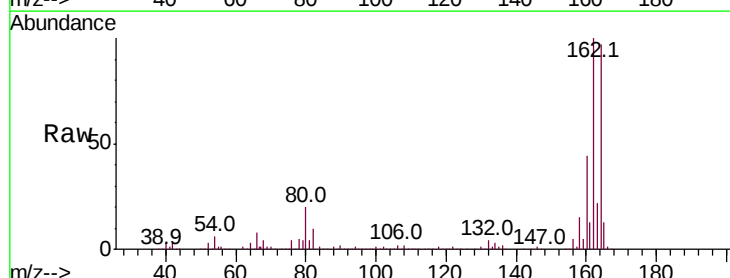
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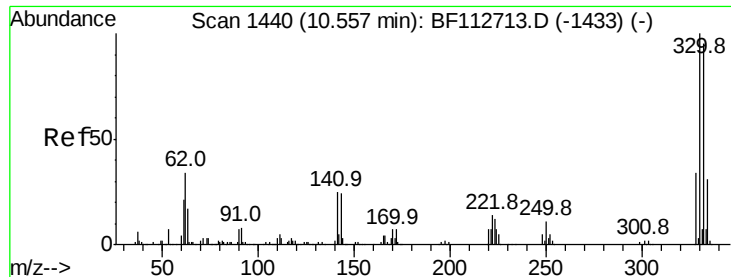
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113094.D
Acq: 18 Mar 2019 17:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	80.6	120.8
160	45.4	36.0	54.0





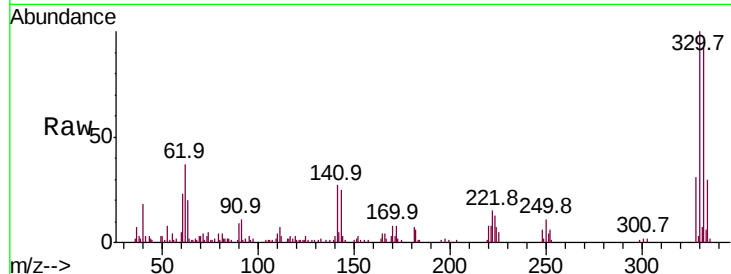
#42
 2,4,6-Tribromophenol
 Concen: 17.127 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113094.D
 Acq: 18 Mar 2019 17:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(0.5-1.5)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.2	114.4
141	31.1	27.0	40.6

Manual Integrations
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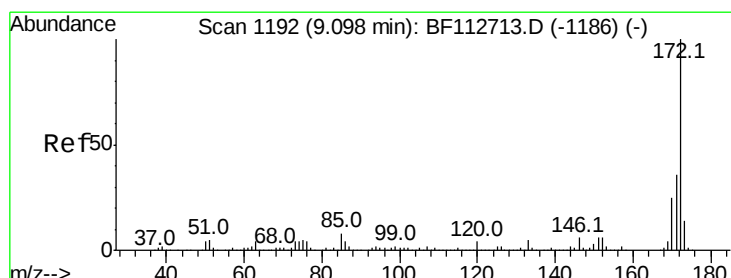
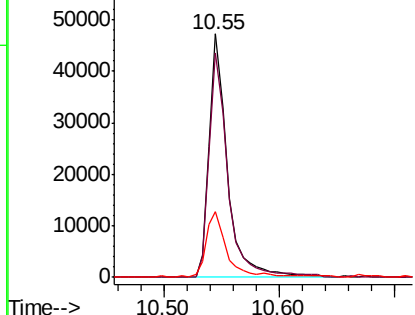
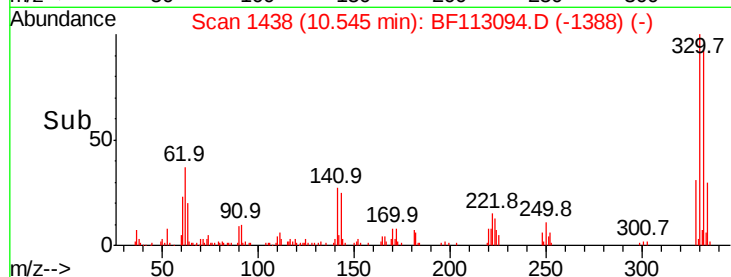


Abundance

Ion 329.80 (329.50 to 330.50): E

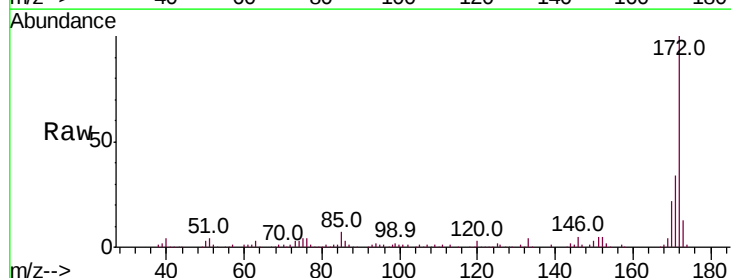
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 11.301 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113094.D
 Acq: 18 Mar 2019 17:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	29.0	43.4
170	22.5	20.0	30.0

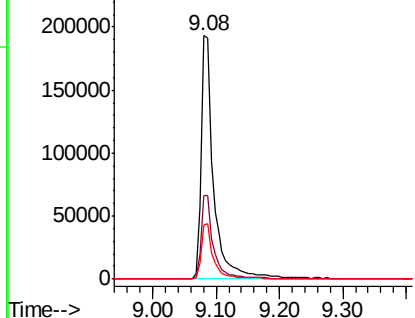
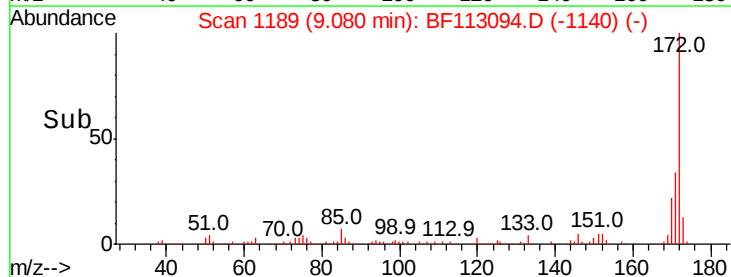


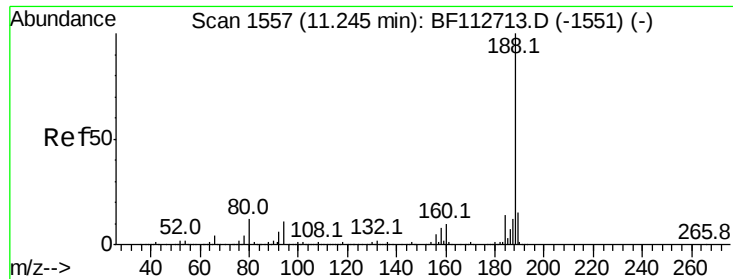
Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF113094.D

Acq: 18 Mar 2019 17:00

Instrument :

BNA_F

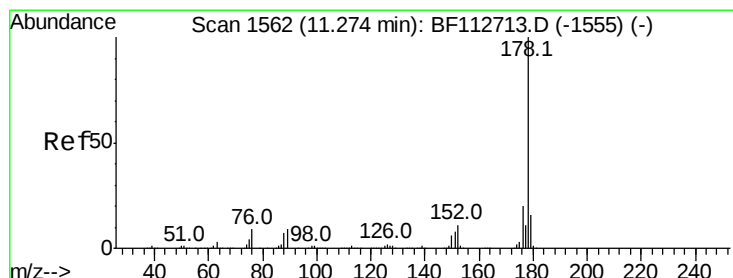
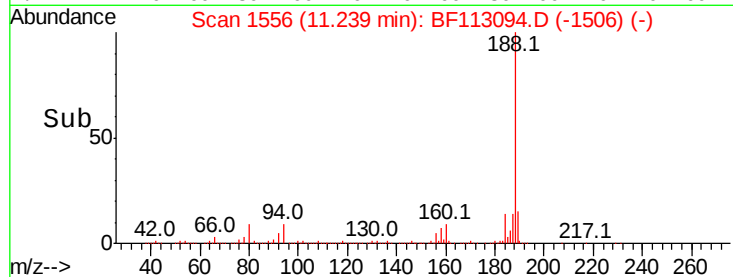
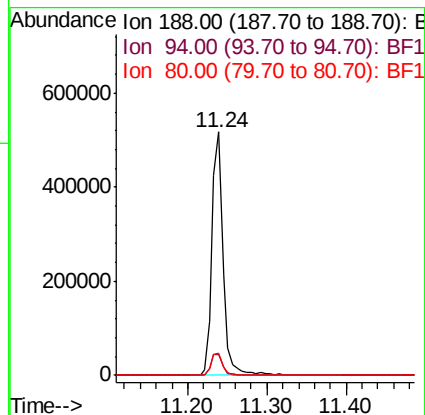
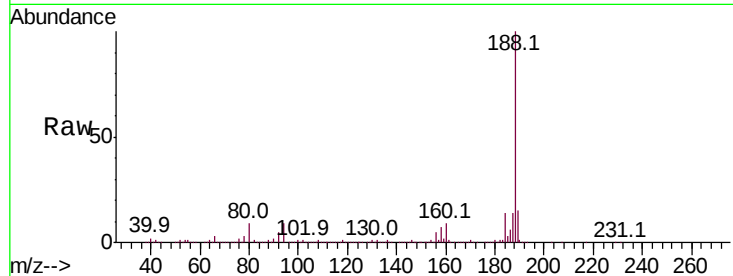
ClientSampleId :

SB-3(0.5-1.5)

Tot Ion:	188	Resp:	504880
Ion Ratio	Lower	Upper	
188	100		
94	8.6	9.0	13.4#
80	8.9	9.2	13.8#

Manual Integrations
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#71

Phenanthrene

Concen: 5.635 ng

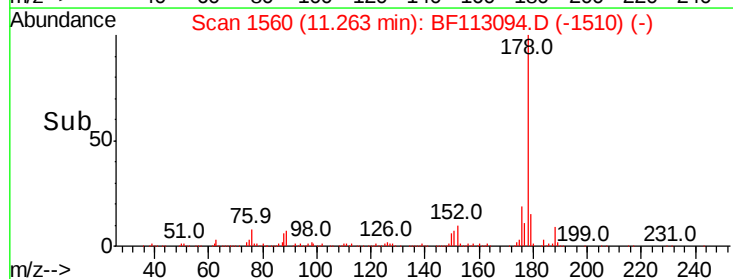
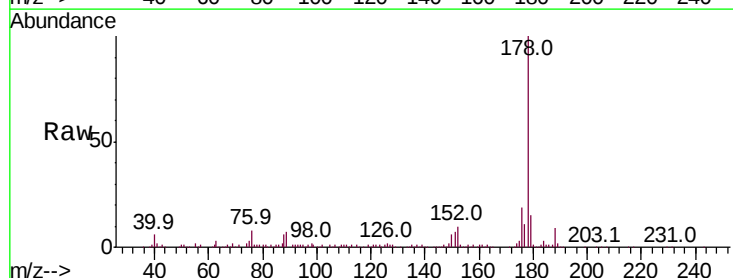
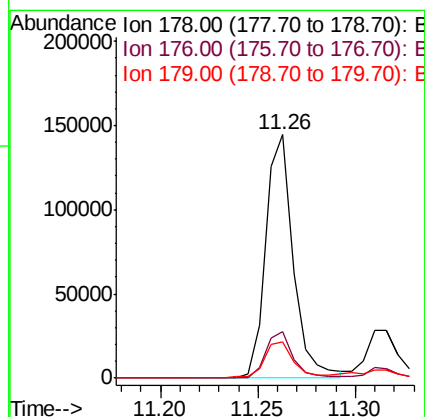
RT: 11.26 min Scan# 1560

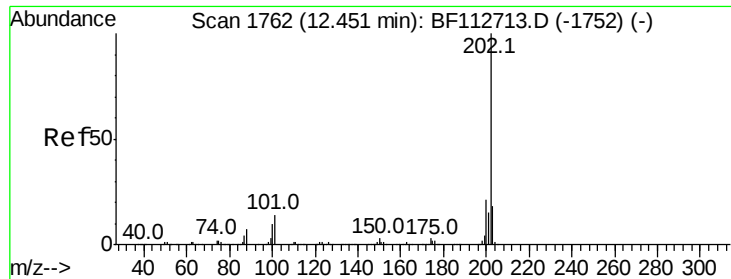
Delta R.T. -0.01 min

Lab File: BF113094.D

Acq: 18 Mar 2019 17:00

Tgt Ion:	178	Resp:	141545
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.3	24.5
179	15.1	12.7	19.1





#75

Fluoranthene

Concen: 10.007 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF113094.D

Acq: 18 Mar 2019 17:00

Instrument :

BNA_F

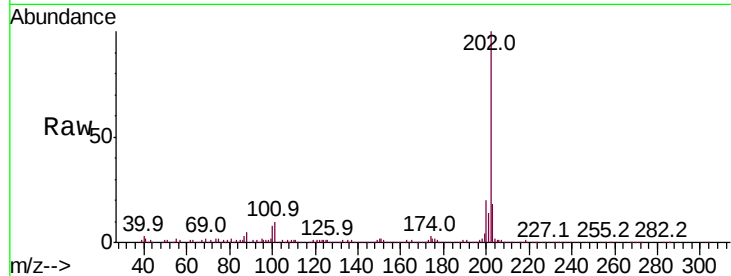
ClientSampleId :

SB-3(0.5-1.5)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.2	0.0	33.8
203	17.8	0.0	38.4

Manual Integrations
APPROVED

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3/19/2019 5:09:48 PM

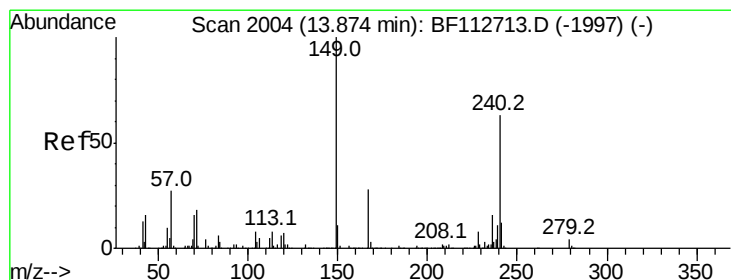
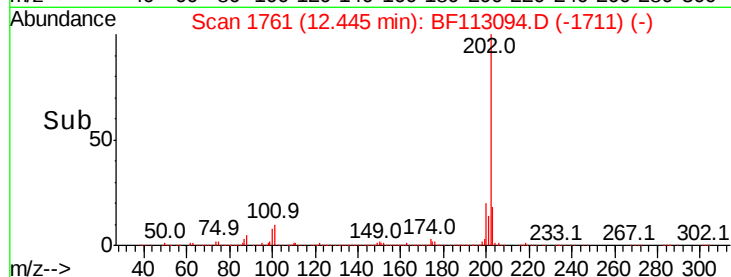
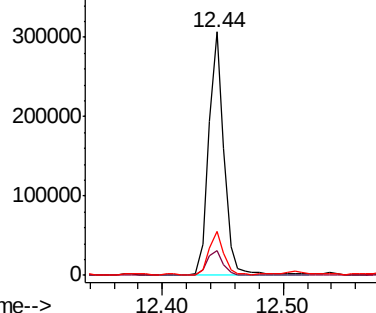


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BF113094.D

Acq: 18 Mar 2019 17:00

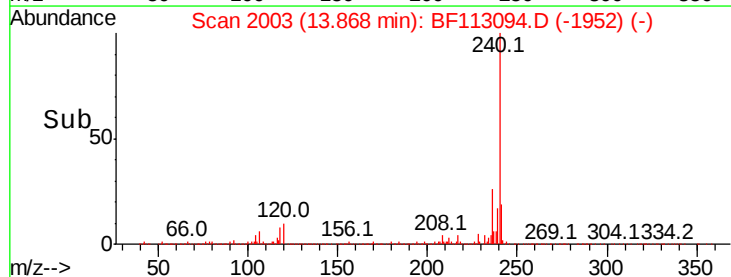
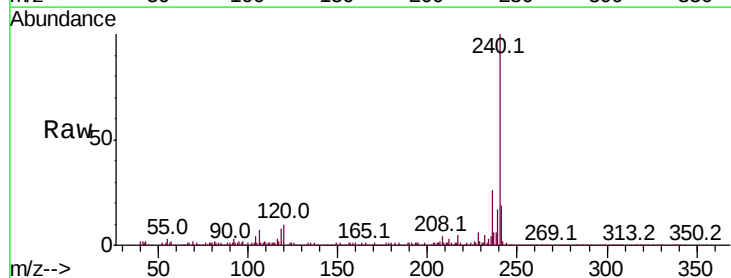
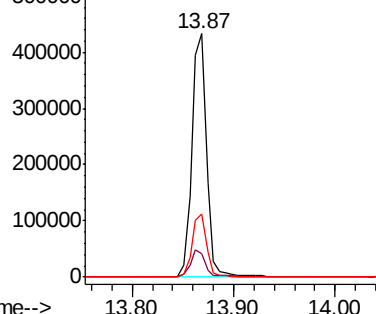
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.9	8.9	13.3
236	25.9	20.7	31.1

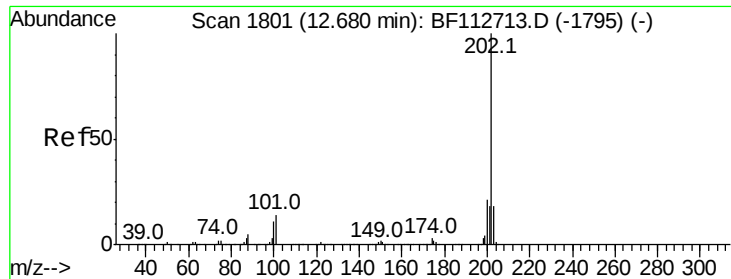
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





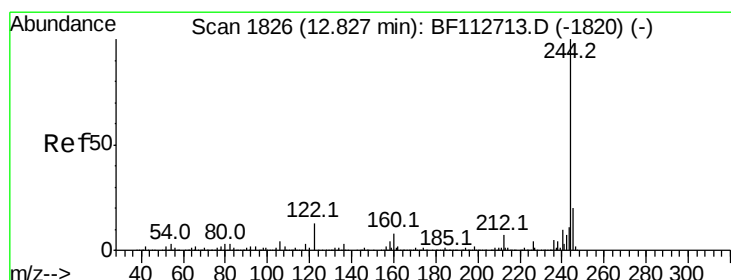
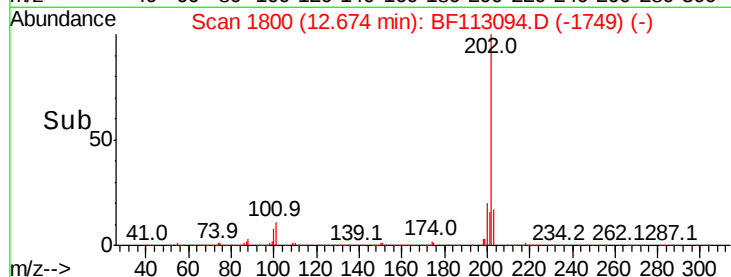
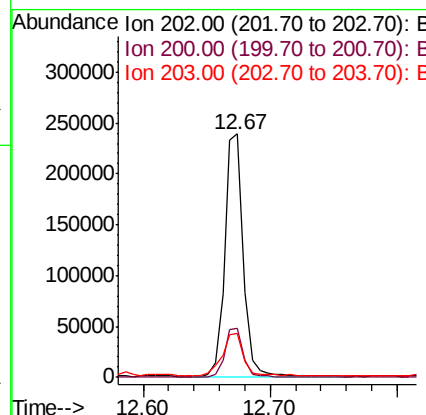
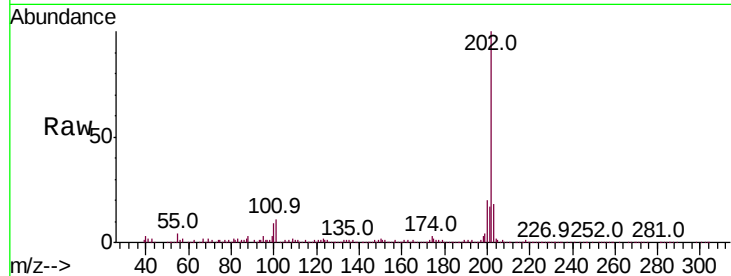
#78
Pvrene
Concen: 6.632 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.00 min
Lab File: BF113094.D
Acq: 18 Mar 2019 17:00

Instrument :
BNA_F
ClientSampleId :
SB-3(0.5-1.5)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.1	17.0	25.4
203	17.8	14.4	21.6

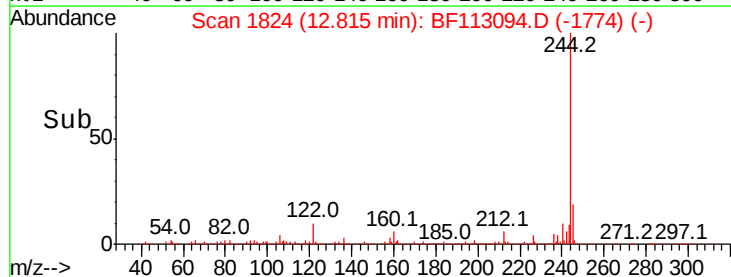
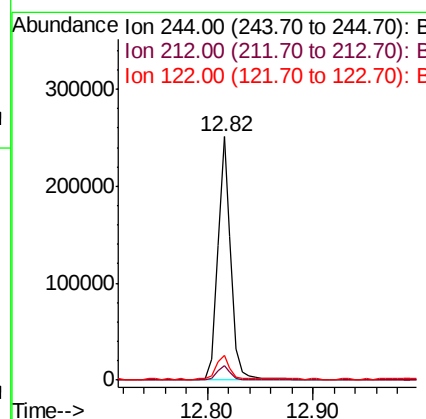
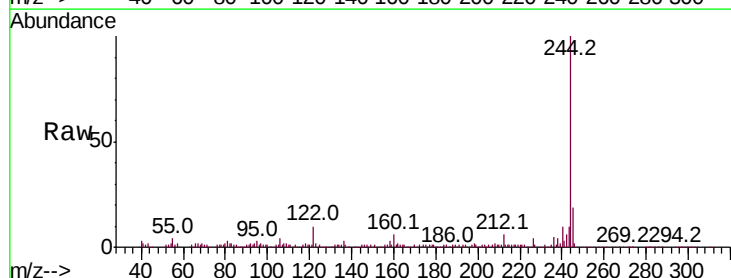
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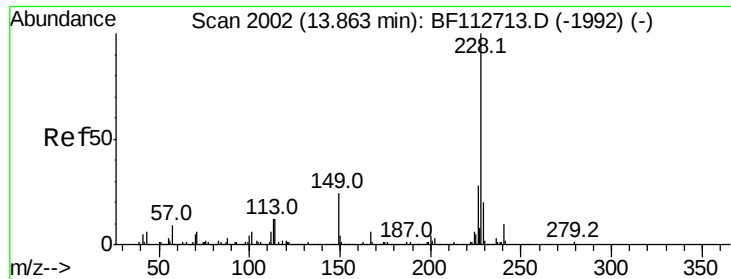
Sohil
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#79
Terphenyl-d14
Concen: 9.908 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF113094.D
Acq: 18 Mar 2019 17:00

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.0	5.6	8.4
122	10.3	10.5	15.7#





#81

Benzo(a)anthracene

Concen: 4.453 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BF113094.D

Acq: 18 Mar 2019 17:00

Instrument :

BNA_F

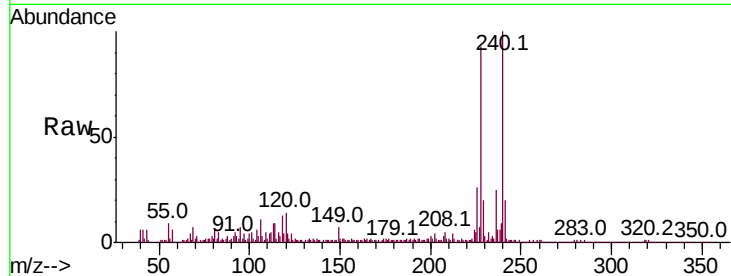
ClientSampleId :

SB-3(0.5-1.5)

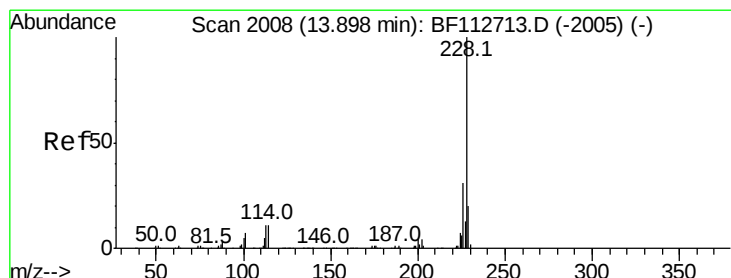
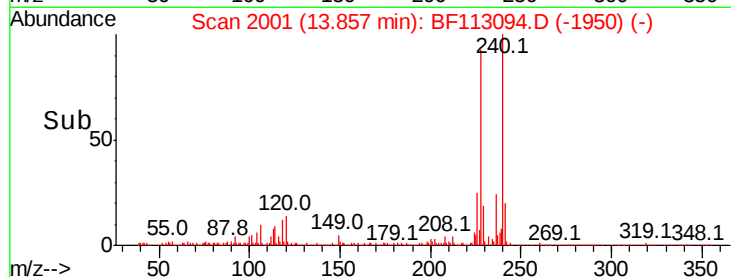
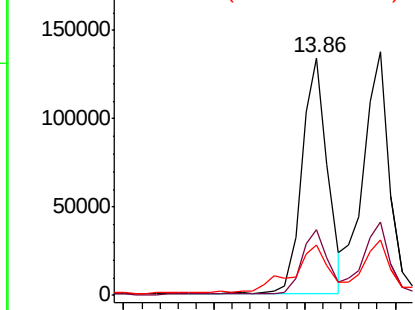
Tot Ion:	228	Resp:	133270
Ion Ratio	Lower	Upper	
228	100		
226	27.7	22.2	33.4
229	21.1	16.0	24.0

Manual Integrations
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 4.812 ng

RT: 13.89 min Scan# 2007

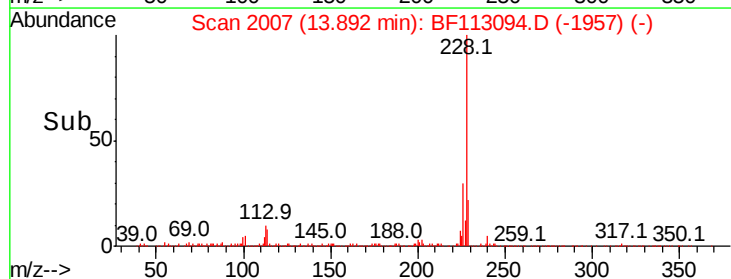
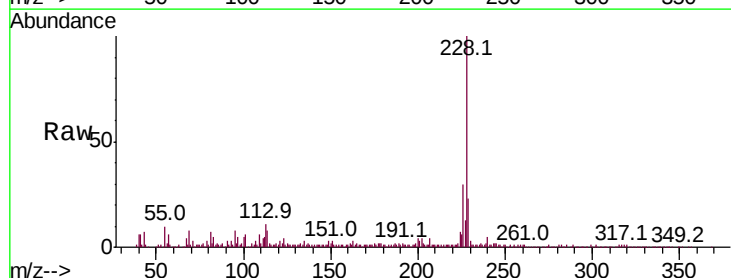
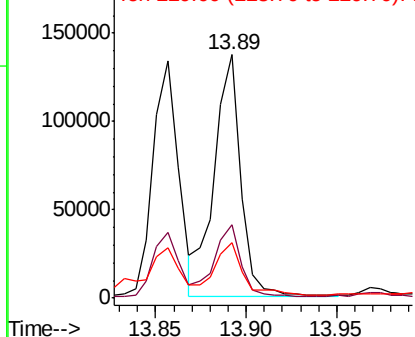
Delta R.T. -0.01 min

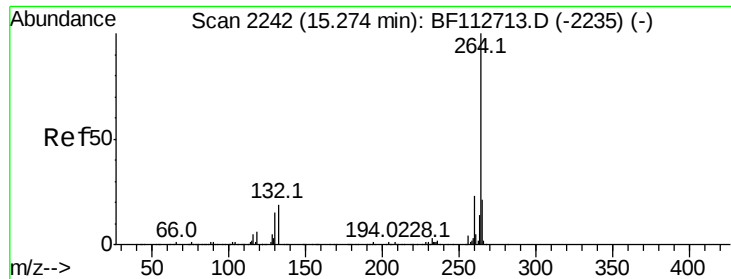
Lab File: BF113094.D

Acq: 18 Mar 2019 17:00

Tgt Ion:	228	Resp:	141079
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.9	37.3
229	22.8	16.3	24.5

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





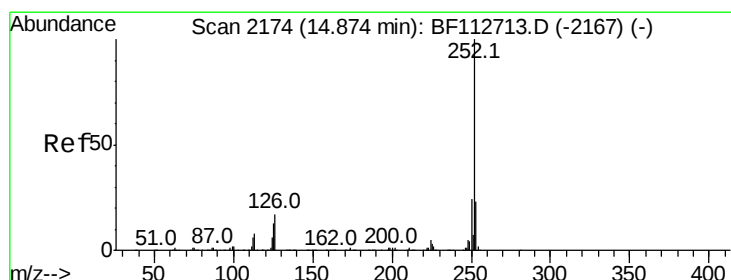
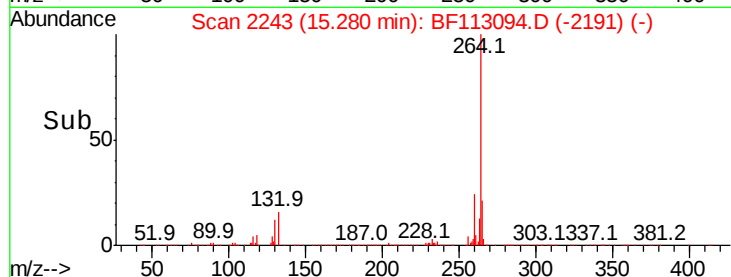
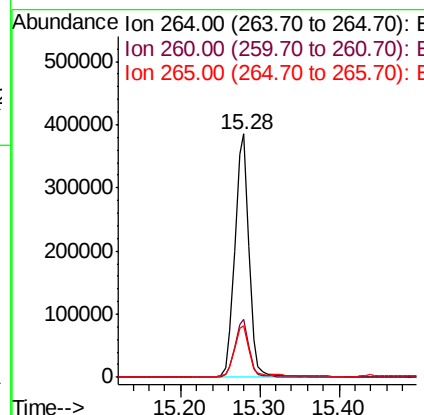
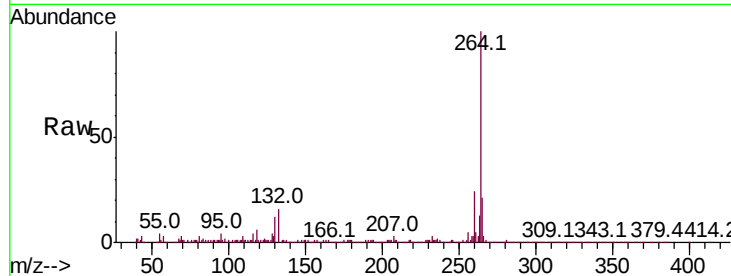
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF113094.D
Acq: 18 Mar 2019 17:00

Instrument :
BNA_F
ClientSampled :
SB-3(0.5-1.5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	21.5	17.2	25.8

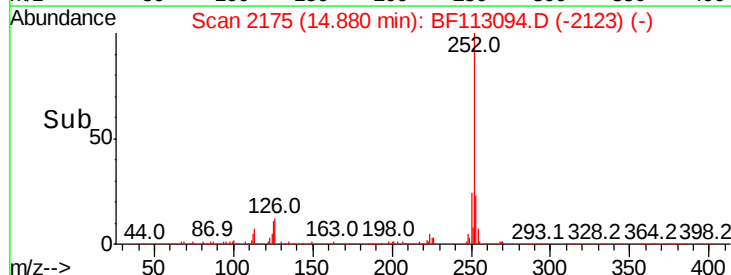
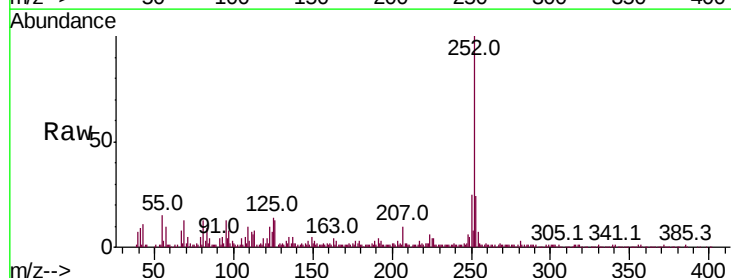
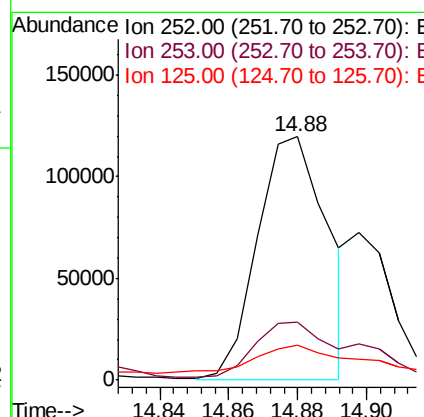
Manual Integrations
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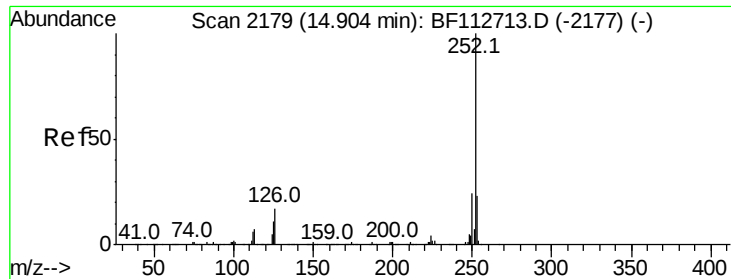
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#88
Benzo(b)fluoranthene
Concen: 5.553 ng m
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF113094.D
Acq: 18 Mar 2019 17:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	14.3	10.2	15.2





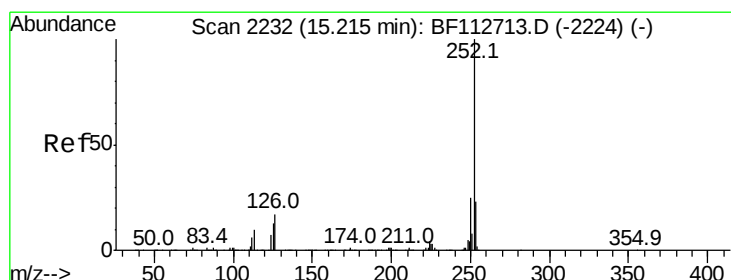
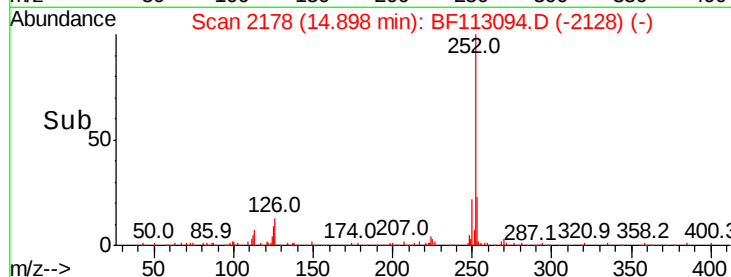
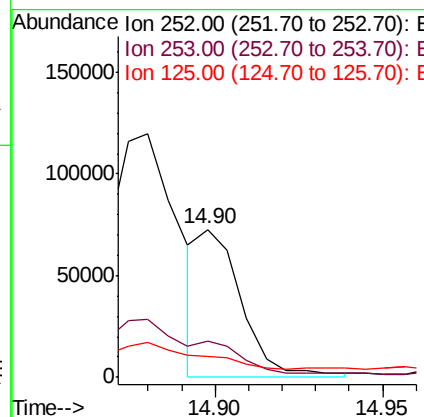
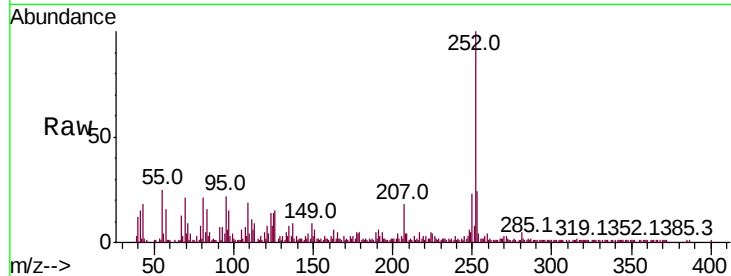
#89
Benzo(k)fluoranthene
Concen: 2.342 ng m
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF113094.D
Acq: 18 Mar 2019 17:00

Instrument :
BNA_F
ClientSampleId :
SB-3(0.5-1.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.2
125	14.3	9.8	14.6

Manual Integrations
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#90
Benzo(a)pyrene
Concen: 4.230 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF113094.D
Acq: 18 Mar 2019 17:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	14.1	10.7	16.1

