

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110818\
 Data File : BF110604.D
 Acq On : 9 Nov 2018 00:02
 Operator : JU/SJ
 Sample : J5768-03 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-110718-B

Manual Integrations
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Quant Time: Nov 09 13:24:18 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 08 14:14:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	79503	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	334804	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	147681	20.00	ng	-0.01
64) Phenanthrene-d10	11.48	188	232108	20.00	ng	0.00
76) Chrysene-d12	14.13	240	173314	20.00	ng	-0.01
87) Perylene-d12	15.65	264	147235	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	192942	39.42	ng	0.00
7) Phenol-d6	6.56	99	250667	40.05	ng	-0.01
23) Nitrobenzene-d5	7.50	82	154998	26.66	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	43564	29.28	ng	-0.01
45) 2-Fluorobiphenyl	9.30	172	293906	28.42	ng	0.00
79) Terphenyl-d14	13.06	244	196470	21.23	ng	-0.01
Target Compounds						
71) Phenanthrene	11.50	178	116614	9.378	ng	98
72) Anthracene	11.56	178	26815m	2.138	ng	
75) Fluoranthene	12.70	202	91156	7.312	ng	98
78) Pyrene	12.93	202	89043	6.673	ng	98
81) Benzo(a)anthracene	14.12	228	35371	3.414	ng	97
83) Chrysene	14.15	228	32032m	3.246	ng	
88) Benzo(b)fluoranthene	15.20	252	27162m	3.084	ng	
90) Benzo(a)pyrene	15.59	252	23300	2.911	ng	95

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

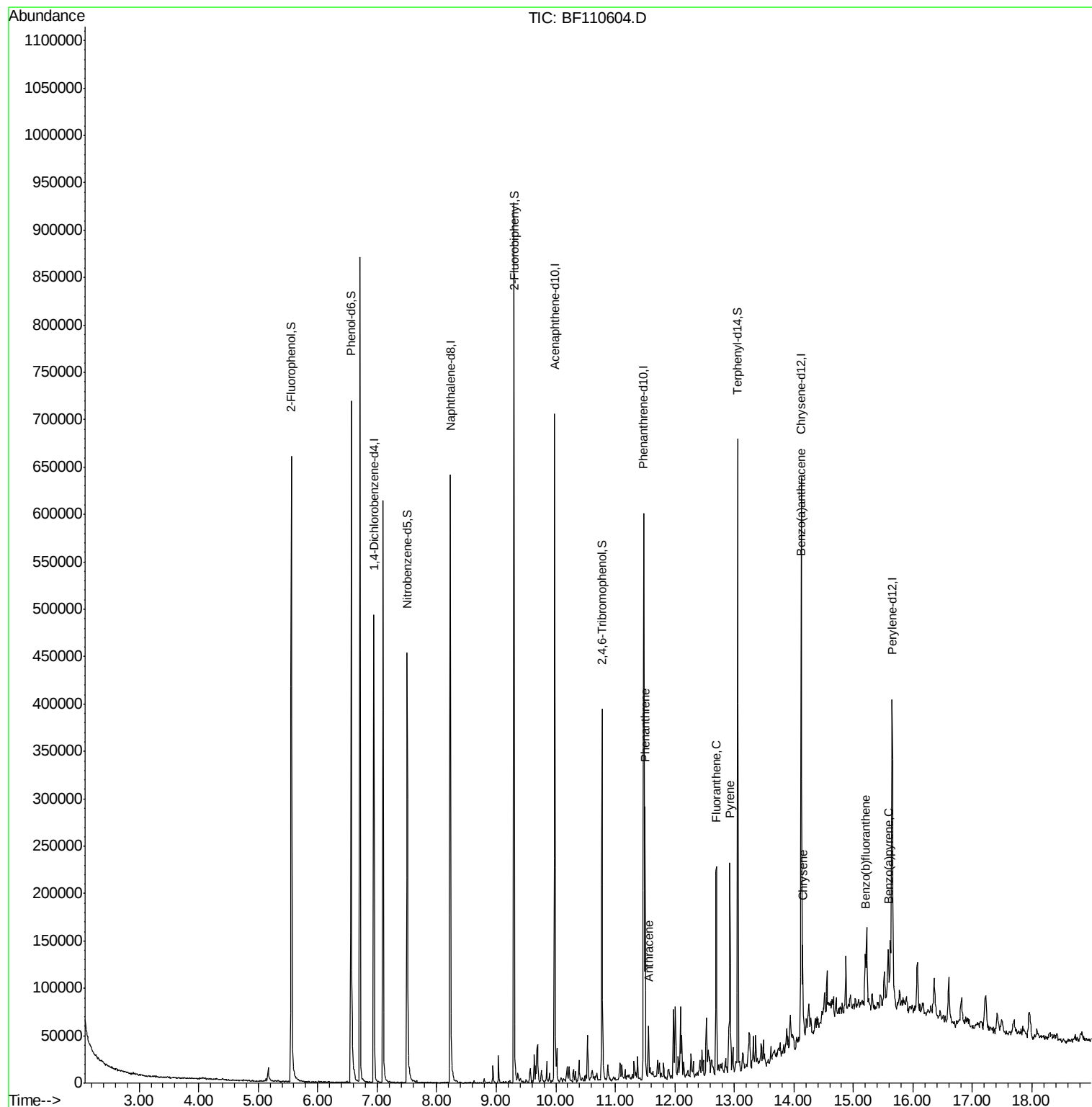
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110818\
Data File : BF110604.D
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Operator : JU/SJ
Sample : J5768-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

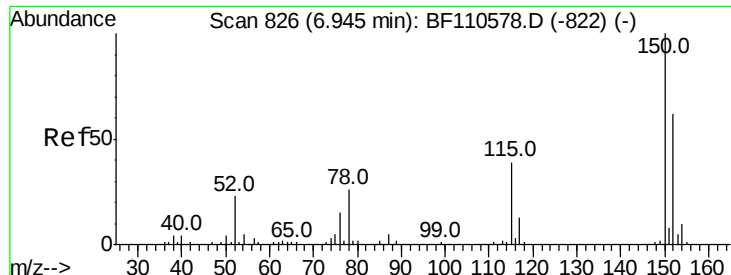
Instrument :
BNA_F
ClientSampleId :
OK-02-110718-B

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Quant Time: Nov 09 13:24:18 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
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#1

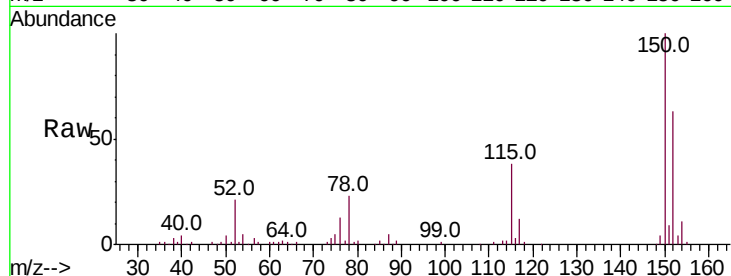
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110604.D
Acq: 9 Nov 2018 00:02

Instrument :
BNA_F
ClientSampleId :
OK-02-110718-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	122.7	184.1
115	60.1	49.1	73.7

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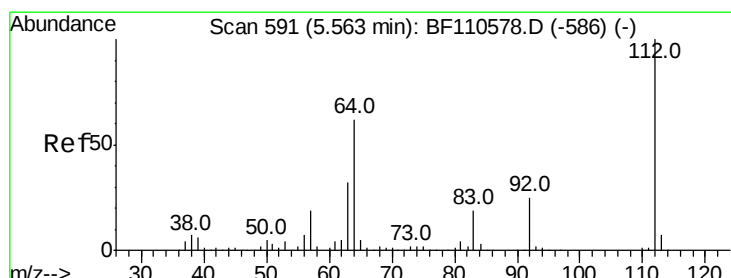
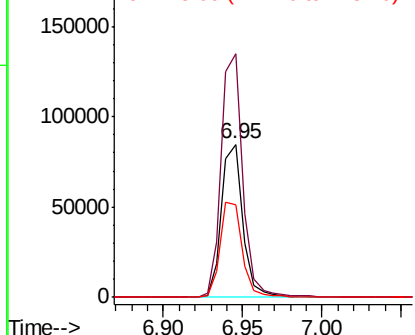
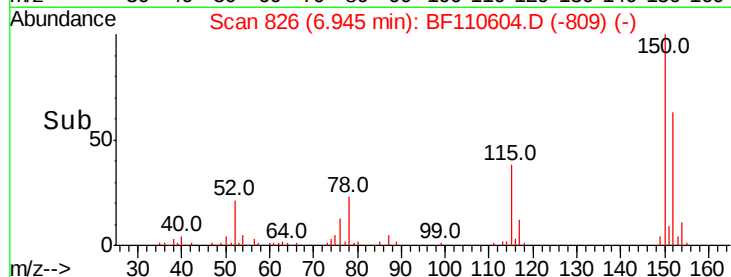


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

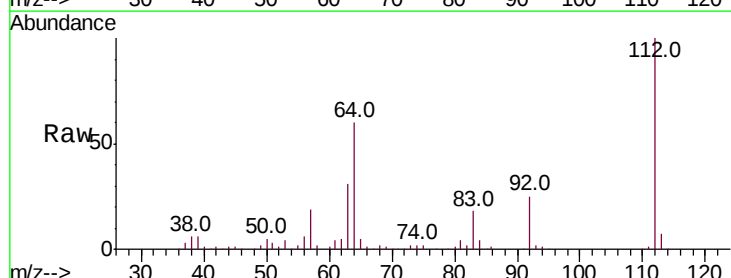
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 39.420 ng
RT: 5.56 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF110604.D
Acq: 9 Nov 2018 00:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.9	44.1	66.1
63	31.0	23.7	35.5

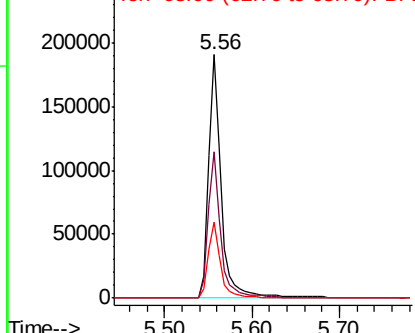
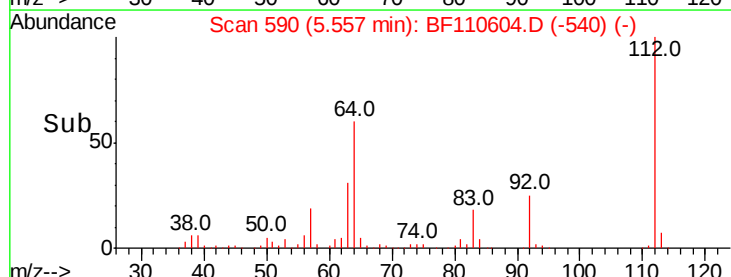


Abundance

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: 40.049 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110604.D

Acq: 9 Nov 2018 00:02

Instrument :

BNA_F

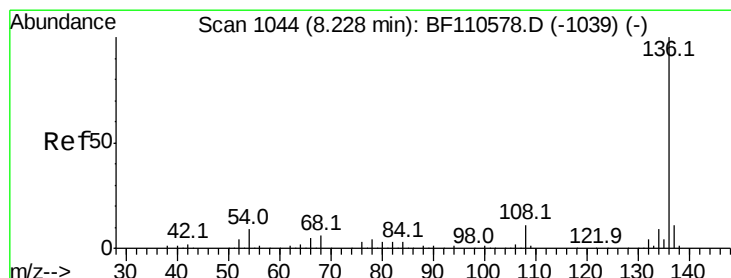
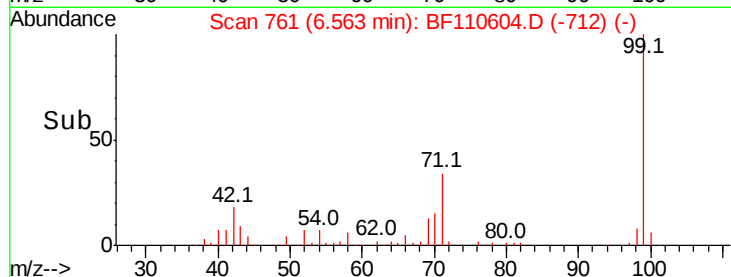
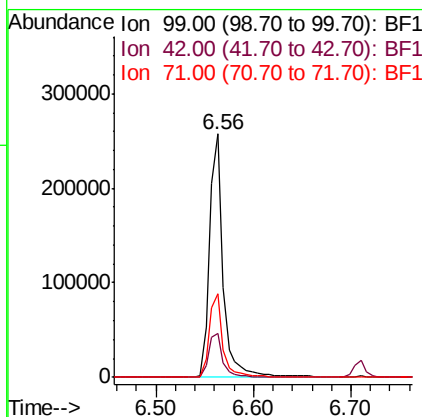
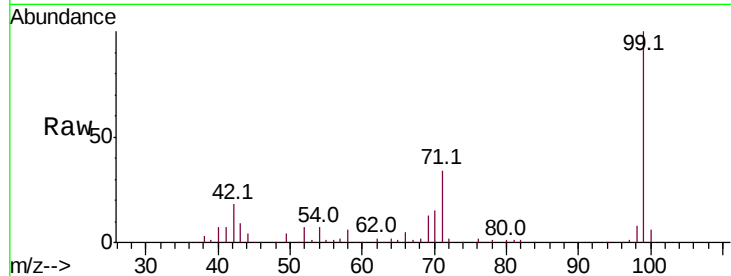
ClientSampleId :

OK-02-110718-B

Tot Ion:	99	Resp:	250667
Ion Ratio	Lower	Upper	
99	100		
42	18.1	15.8	23.6
71	34.4	28.0	42.0

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#21

Naphthalene-d8

Concen: 20.000 ng

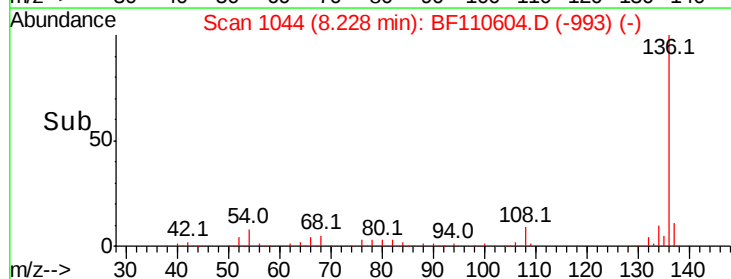
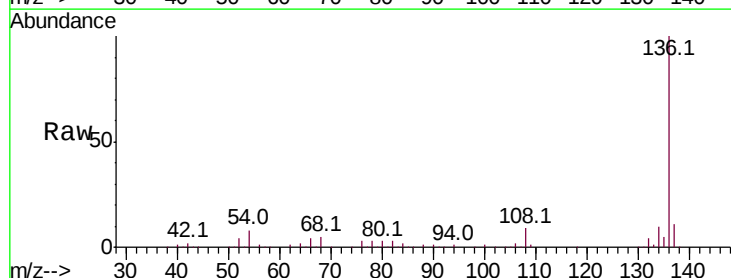
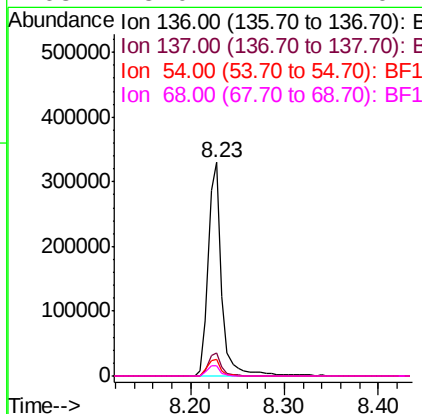
RT: 8.23 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BF110604.D

Acq: 9 Nov 2018 00:02

Tgt Ion:	136	Resp:	334804
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.8	13.2
54	7.6	5.4	8.2
68	5.0	4.2	6.2





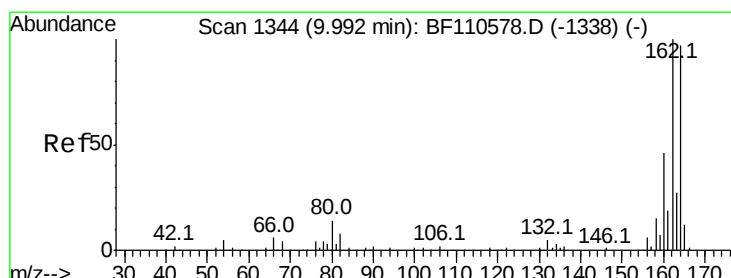
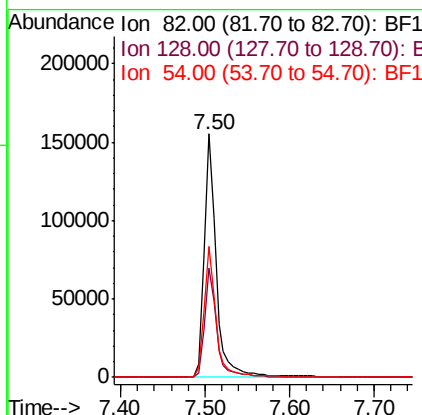
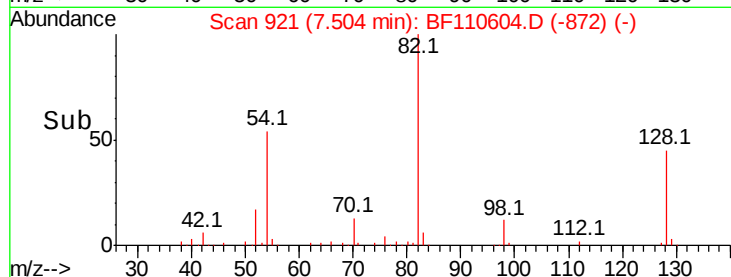
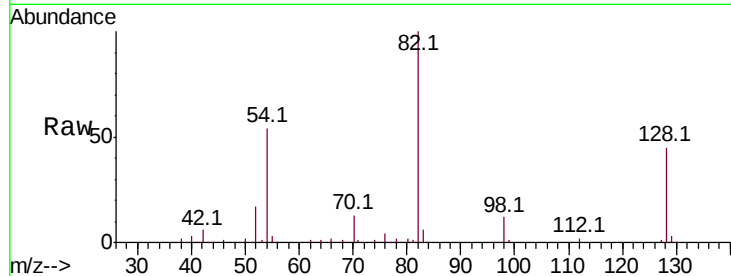
#23
Nitrobenzene-d5
Concen: 26.661 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110604.D
Acq: 9 Nov 2018 00:02

Instrument :
BNA_F
ClientSampleId :
OK-02-110718-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.2	51.2
54	53.9	38.6	58.0

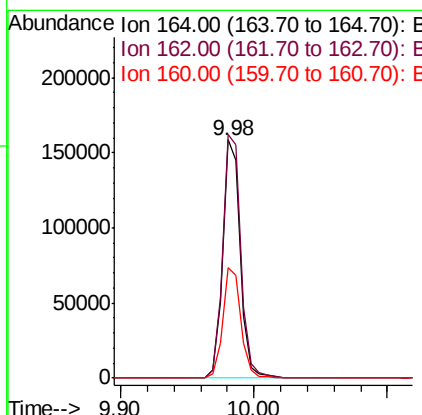
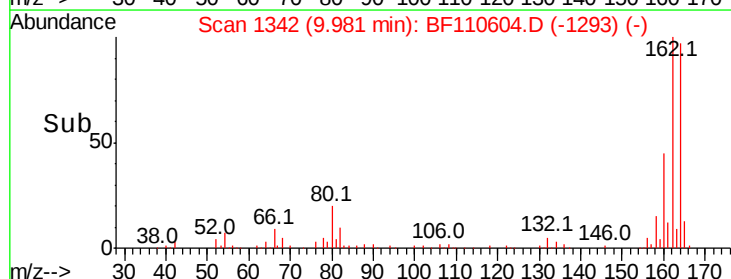
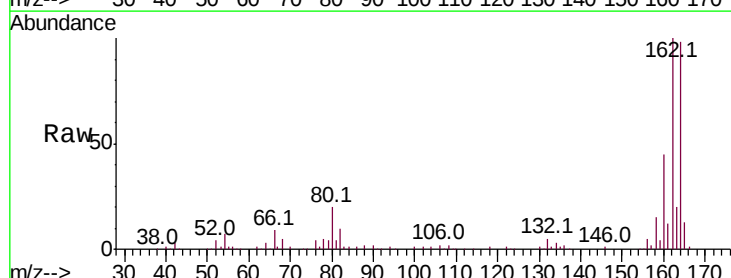
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110604.D
Acq: 9 Nov 2018 00:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	83.0	124.6
160	46.3	37.0	55.6





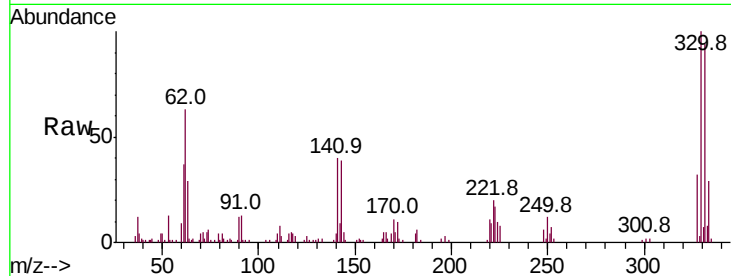
#42
 2,4,6-Tribromophenol
 Concen: 29.275 ng
 RT: 10.77 min Scan# 1477
 Delta R.T. -0.01 min
 Lab File: BF110604.D
 Acq: 9 Nov 2018 00:02

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-110718-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.1	115.7
141	38.4	27.0	40.4

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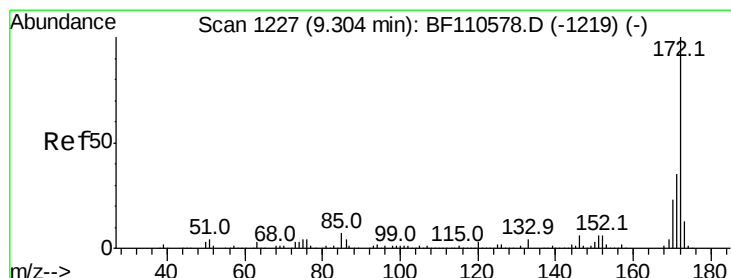
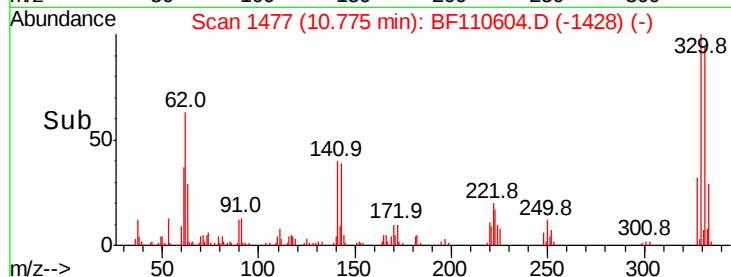
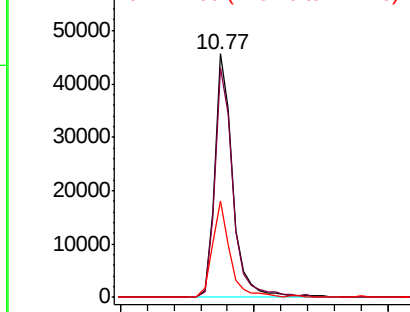


Abundance

Ion 329.80 (329.50 to 330.50): E

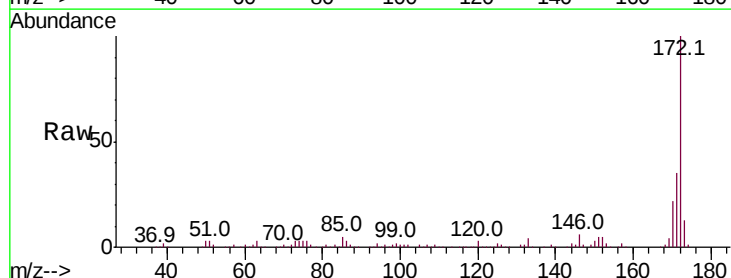
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 28.423 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110604.D
 Acq: 9 Nov 2018 00:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	43.0
170	22.3	19.7	29.5

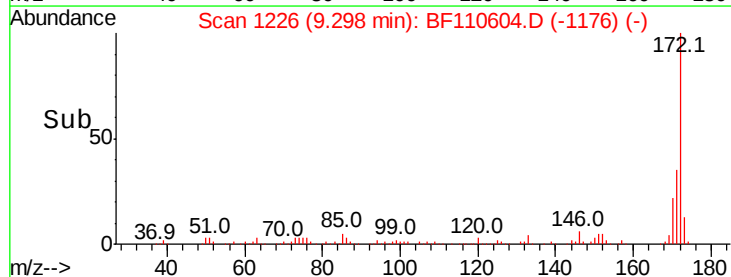
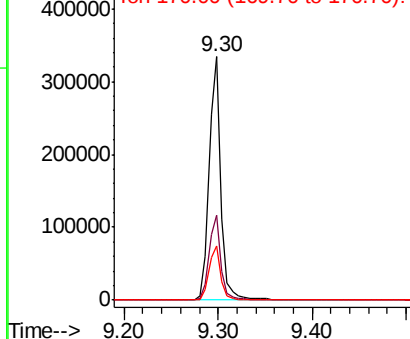


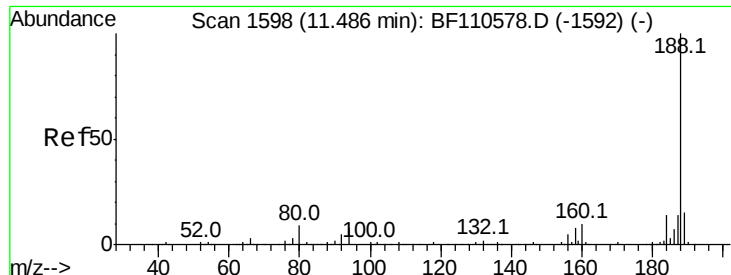
Abundance

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: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF110604.D

Acq: 9 Nov 2018 00:02

Instrument :

BNA_F

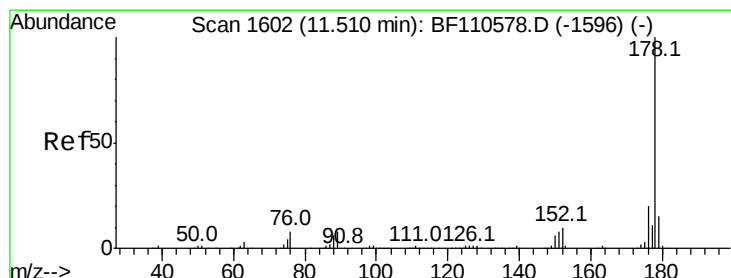
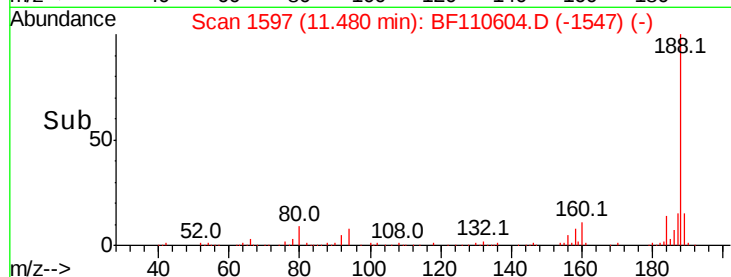
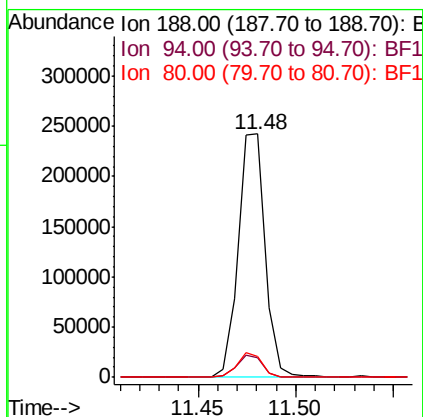
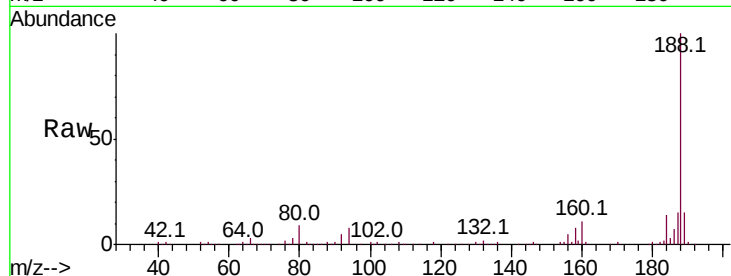
ClientSampleId :

OK-02-110718-B

Tot Ion:	188	Resp:	232108
Ion Ratio	Lower	Upper	
188	100		
94	8.0	7.2	10.8
80	8.6	7.9	11.9

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#71

Phenanthrene

Concen: 9.378 ng

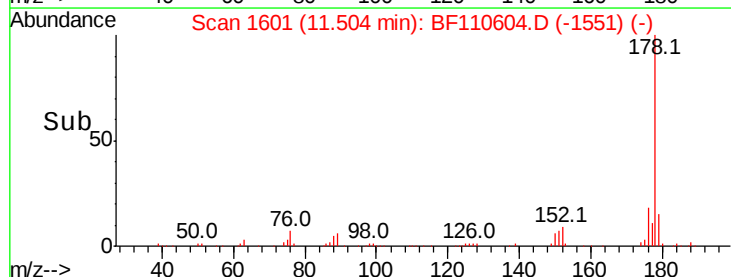
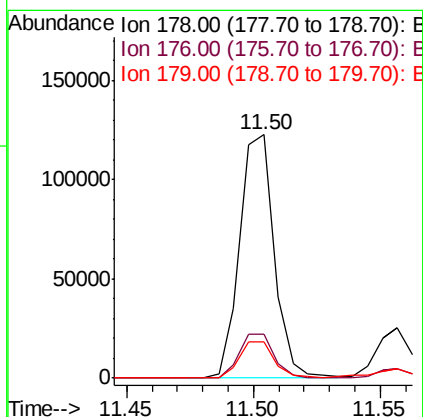
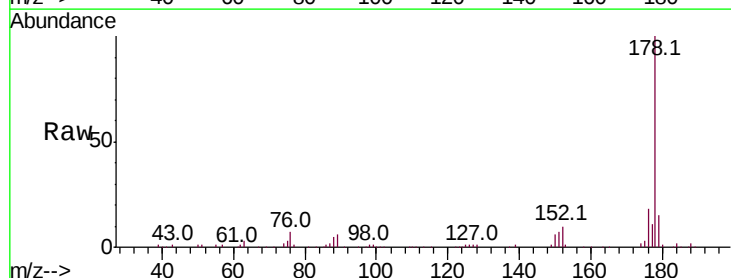
RT: 11.50 min Scan# 1601

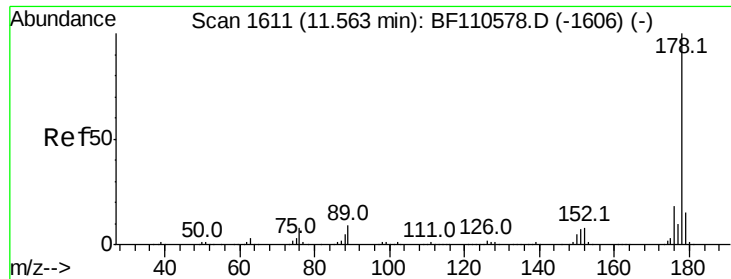
Delta R.T. -0.01 min

Lab File: BF110604.D

Acq: 9 Nov 2018 00:02

Tgt Ion:	178	Resp:	116614
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.5	23.3
179	15.0	12.5	18.7





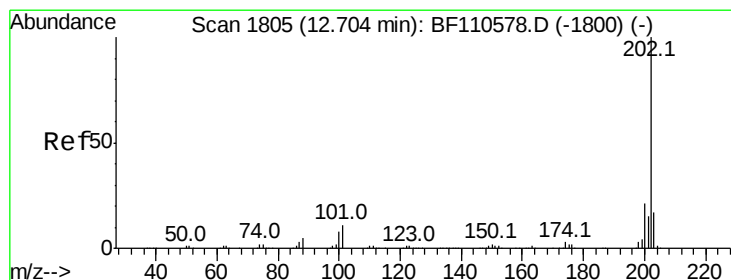
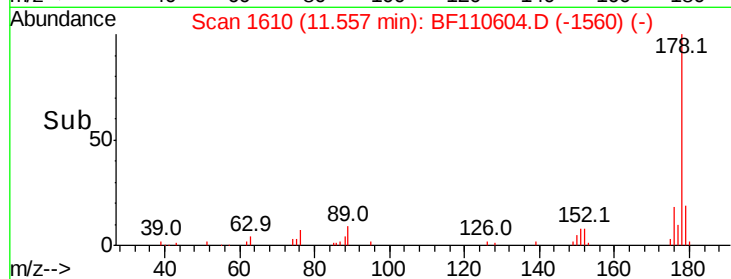
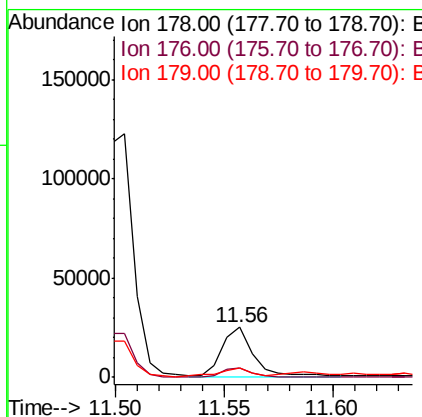
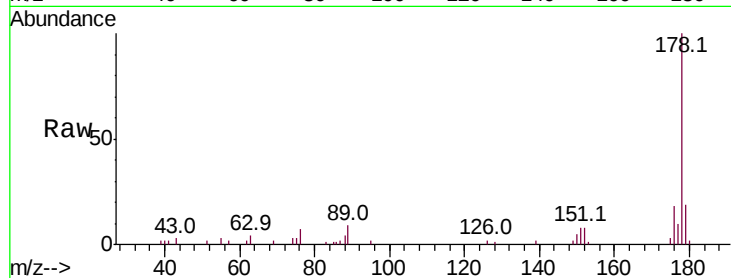
#72
 Anthracene
 Concen: 2.138 ng/mL
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BF110604.D
 Acq: 9 Nov 2018 00:02

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-110718-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	18.9	12.6	18.8

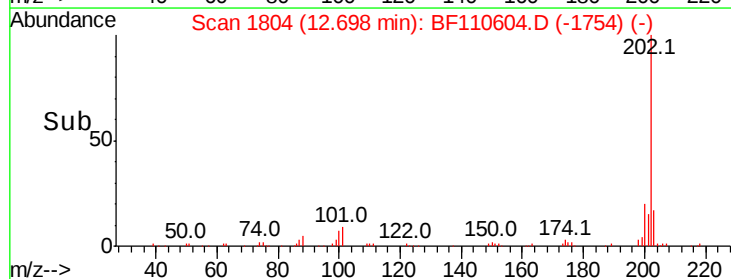
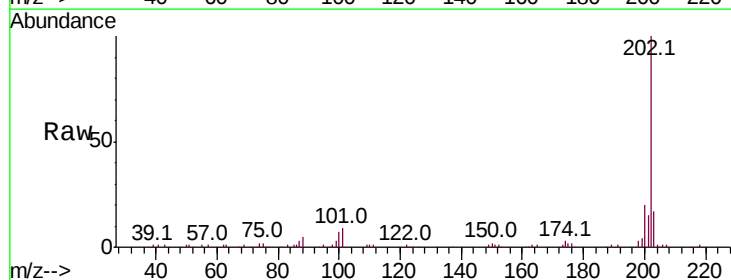
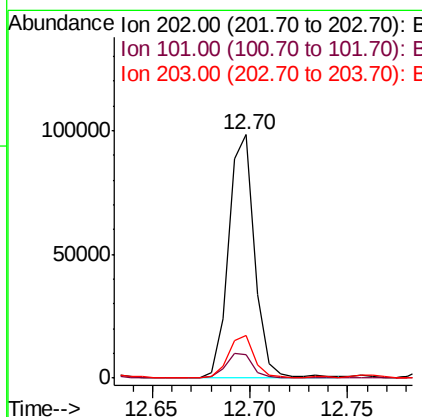
Manual Integrations
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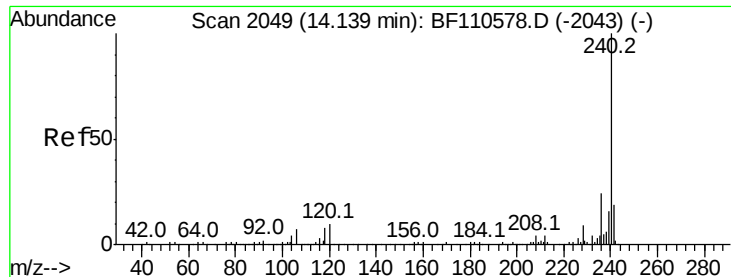
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#75
 Fluoranthene
 Concen: 7.312 ng/mL
 RT: 12.70 min Scan# 1804
 Delta R.T. -0.01 min
 Lab File: BF110604.D
 Acq: 9 Nov 2018 00:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	31.4
203	17.5	0.0	37.7





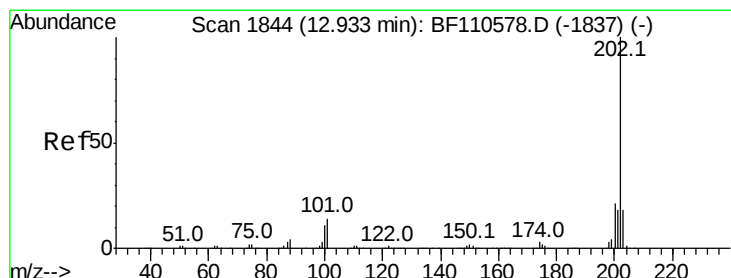
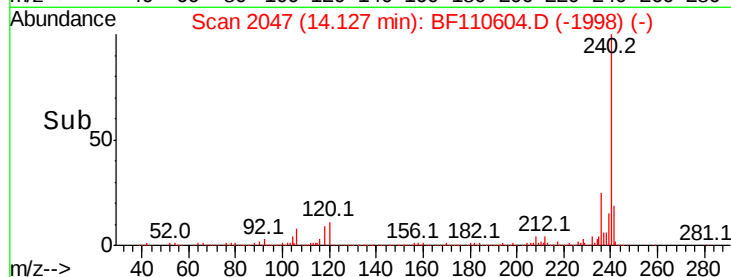
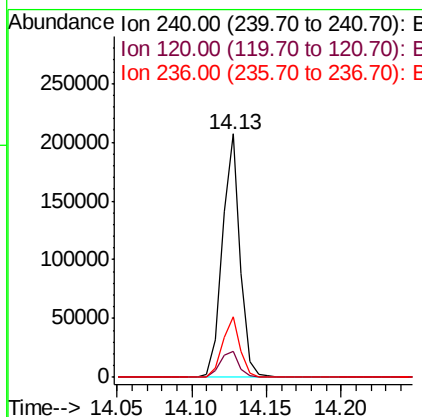
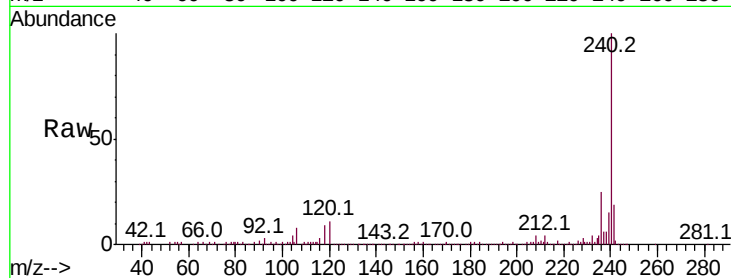
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110604.D
Acq: 9 Nov 2018 00:02

Instrument :
BNA_F
ClientSampleId :
OK-02-110718-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.3	12.5
236	24.8	21.2	31.8

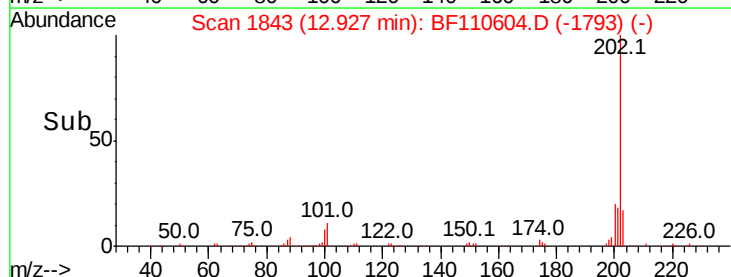
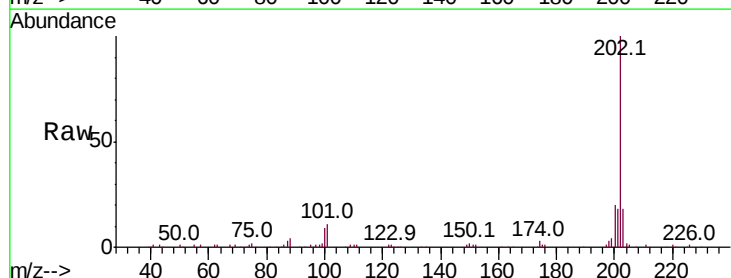
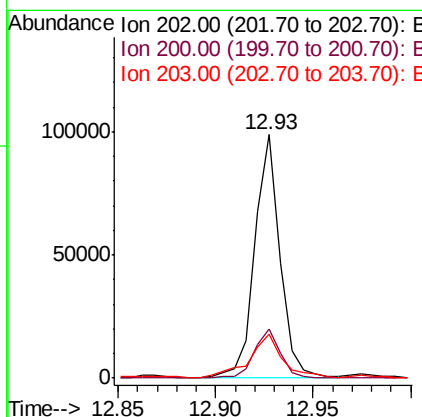
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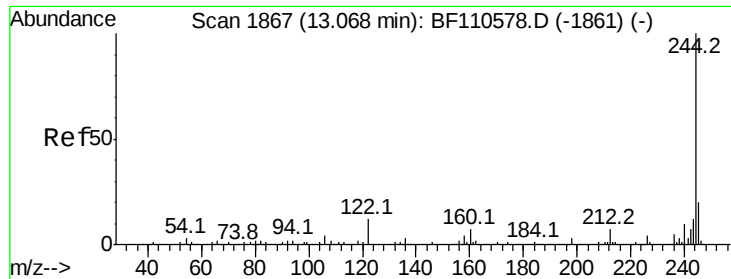
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#78
Pyrene
Concen: 6.673 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110604.D
Acq: 9 Nov 2018 00:02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.8	26.6
203	18.0	14.2	21.4





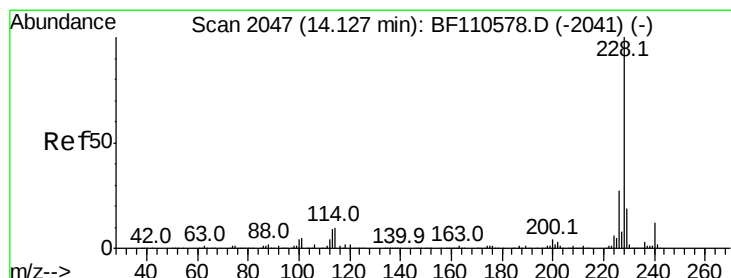
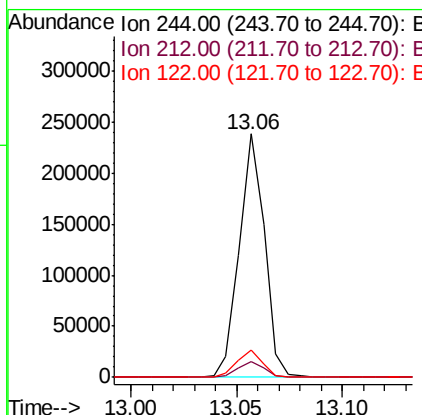
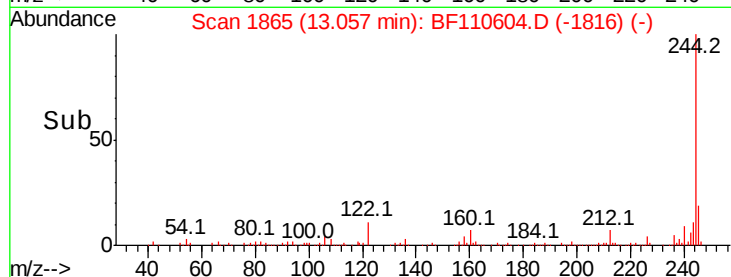
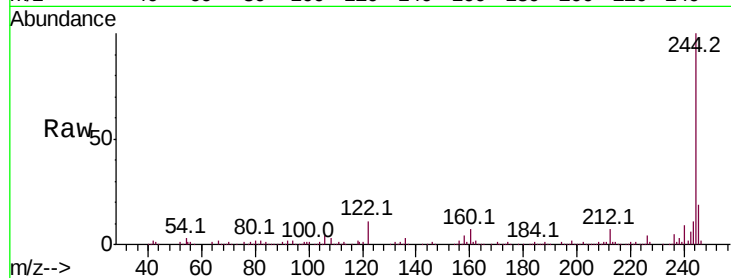
#79
 Terphenyl-d14
 Concen: 21.230 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: BF110604.D
 Acq: 9 Nov 2018 00:02

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-110718-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	11.4	8.7	13.1

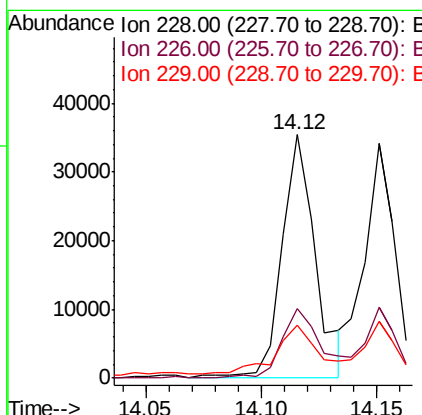
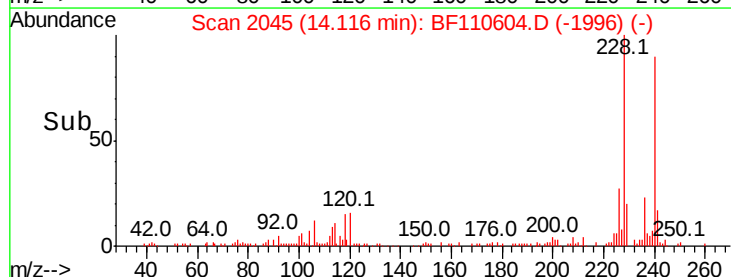
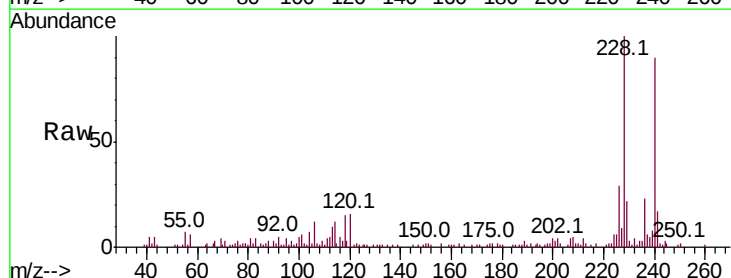
Manual Integrations
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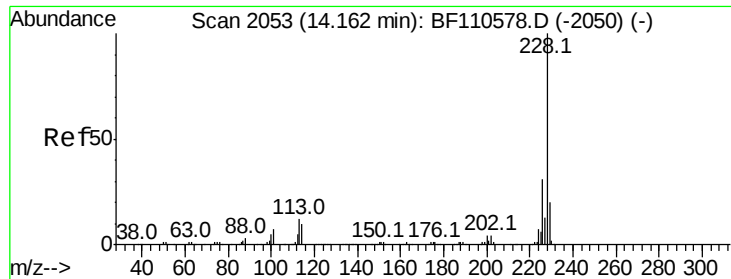
Sohil
 11/9/2018 4:26:15 PM



#81
 Benzo(a)anthracene
 Concen: 3.414 ng
 RT: 14.12 min Scan# 2045
 Delta R.T. -0.01 min
 Lab File: BF110604.D
 Acq: 9 Nov 2018 00:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.1	33.1
229	21.8	15.6	23.4





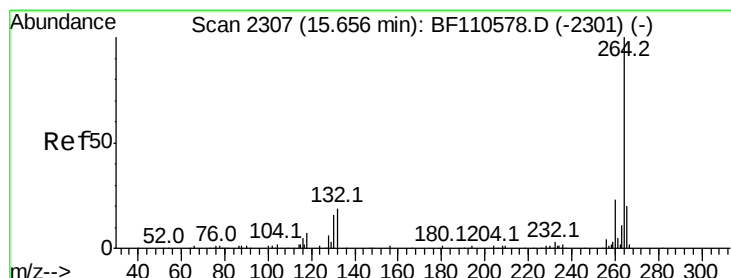
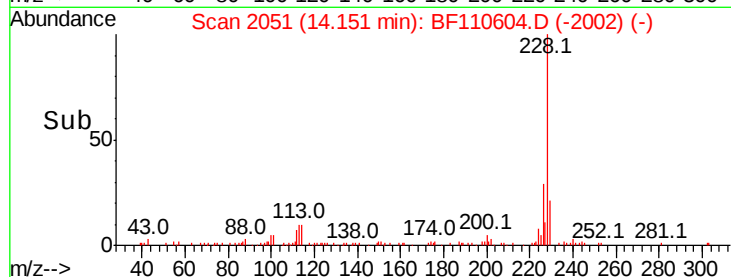
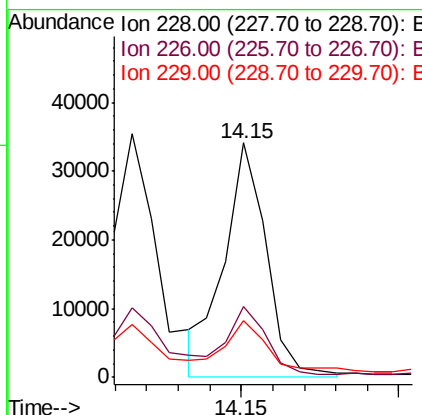
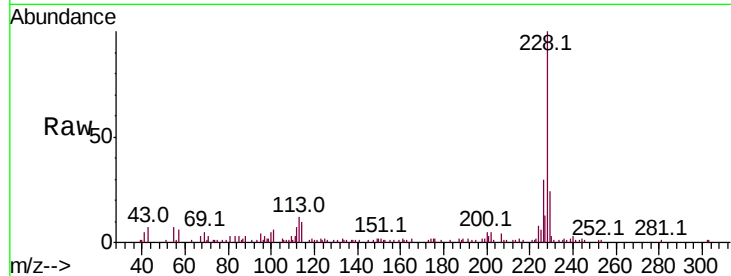
#83
Chrysene
Concen: 3.246 ng/ml
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110604.D
Acq: 9 Nov 2018 00:02

Instrument :
BNA_F
ClientSampleId :
OK-02-110718-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.7	37.1
229	24.4	15.9	23.9

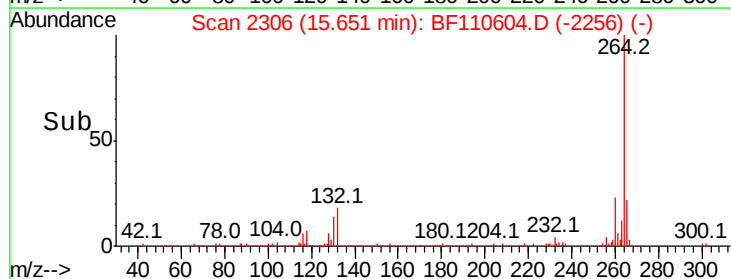
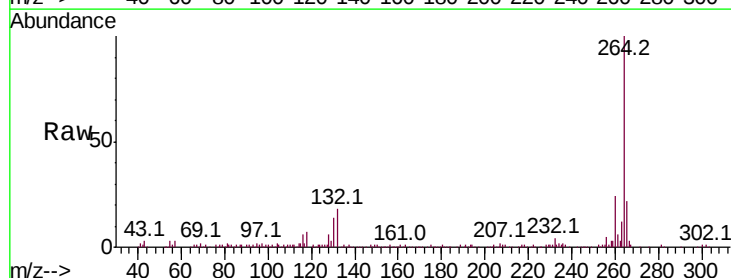
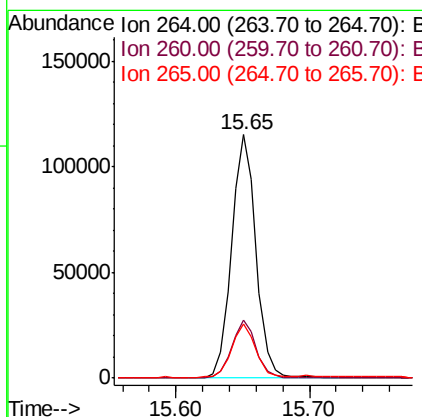
Manual Integrations
APPROVED

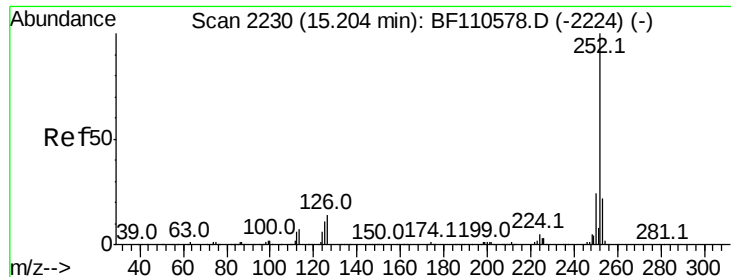
Sohil
11/9/2018 4:26:15 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.65 min Scan# 2306
Delta R.T. -0.01 min
Lab File: BF110604.D
Acq: 9 Nov 2018 00:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	22.1	16.7	25.1





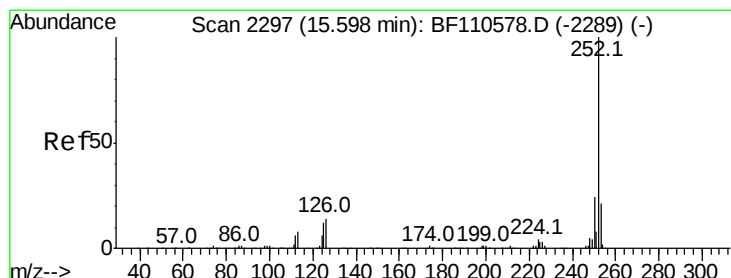
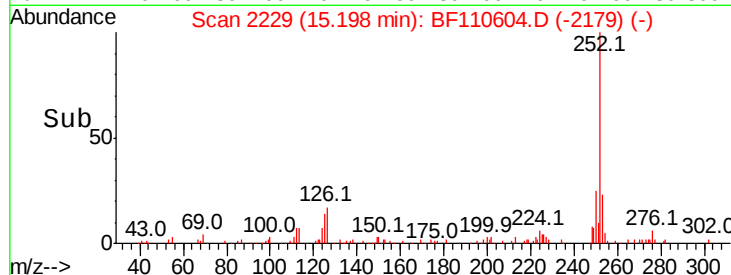
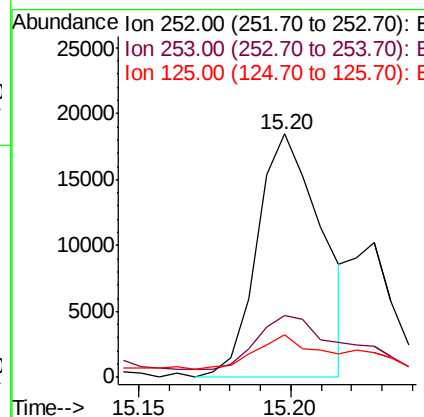
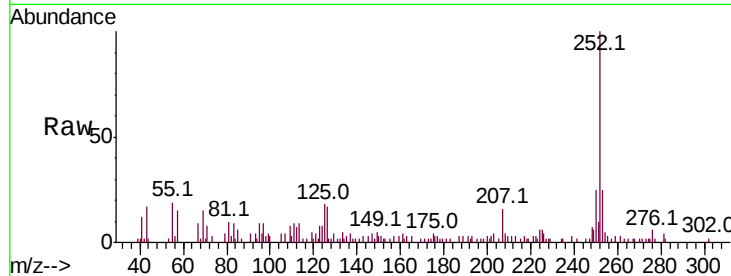
#88
Benzo(b)fluoranthene
Concen: 3.084 ng m
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF110604.D
Acq: 9 Nov 2018 00:02

Instrument :
BNA_F
ClientSampleId :
OK-02-110718-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.2	25.8
125	17.8	8.2	12.4

Manual Integrations
APPROVED

Sohil
11/9/2018 4:26:15 PM



#90
Benzo(a)pyrene
Concen: 2.911 ng
RT: 15.59 min Scan# 2295
Delta R.T. -0.01 min
Lab File: BF110604.D
Acq: 9 Nov 2018 00:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.2	18.2	27.4
125	12.8	9.0	13.6

