Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
Data File : BF110225.D
Acq On : 26 Oct 2018 22:19
Operator : JU/SJ
Sample : J5205-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-102518

Manual Integrations APPROVED
Sohil
10/29/2018 11:56:47 AM

Quant Time: Oct 27 00:42:28 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 23 15:06:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	135394	20.00	ng		-0.01
21) Naphthalene-d8	8.25	136	520506	20.00	ng		-0.02
39) Acenaphthene-d10	10.01	164	201748	20.00	ng		-0.02
64) Phenanthrene-d10	11.50	188	313435	20.00	ng		-0.01
76) Chrysene-d12	14.15	240	227629	20.00	ng		-0.01
87) Perylene-d12	15.68	264	157327	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.58	112	257445	30.96	ng		-0.02
7) Phenol-d6	6.58	99	337735	31.76	ng		-0.02
23) Nitrobenzene-d5	7.53	82	185656	21.16	ng		-0.02
42) 2,4,6-Tribromophenol	10.80	330	50910	25.47	ng		-0.01
45) 2-Fluorobiphenyl	9.32	172	359793	28.00	ng		-0.02
79) Terphenyl-d14	13.09	244	271835	24.84	ng		-0.01
Target Compounds							Qvalue
71) Phenanthrene	11.53	178	36740	2.240	ng		97
75) Fluoranthene	12.72	202	68317	4.104	ng		98
78) Pyrene	12.96	202	56932	3.489	ng		97
81) Benzo(a)anthracene	14.14	228	27985	2.073	ng		96
88) Benzo(b)fluoranthene	15.22	252	26349m	2.900	ng		
90) Benzo(a)pyrene	15.61	252	17608	2.106	ng	#	88

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
Data File : BF110225.D
Acq On : 26 Oct 2018 22:19
Operator : JU/SJ
Sample : J5205-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 27 00:42:28 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 23 15:06:18 2018
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TR-05-102518

Manual Integrations APPROVED
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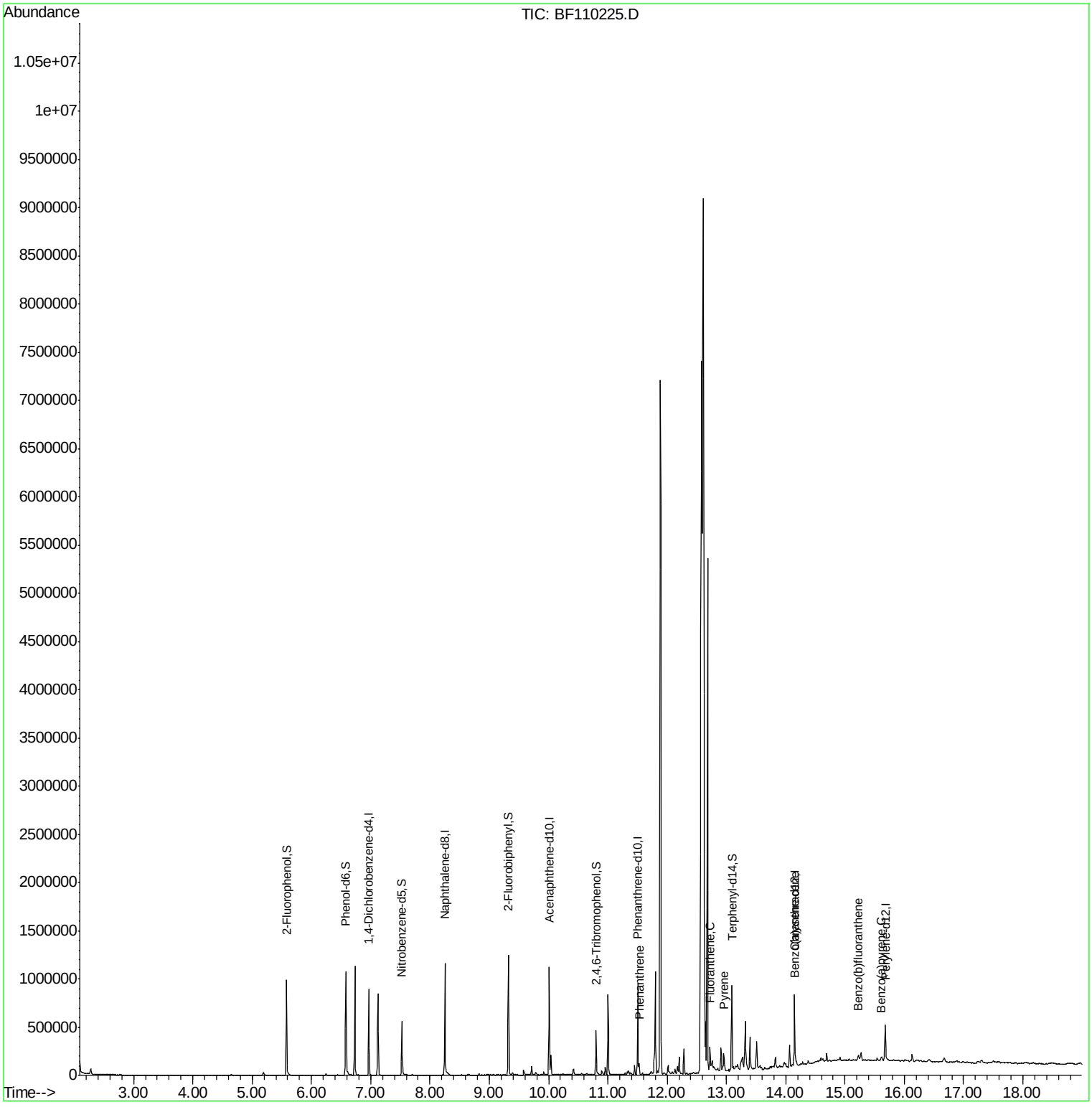
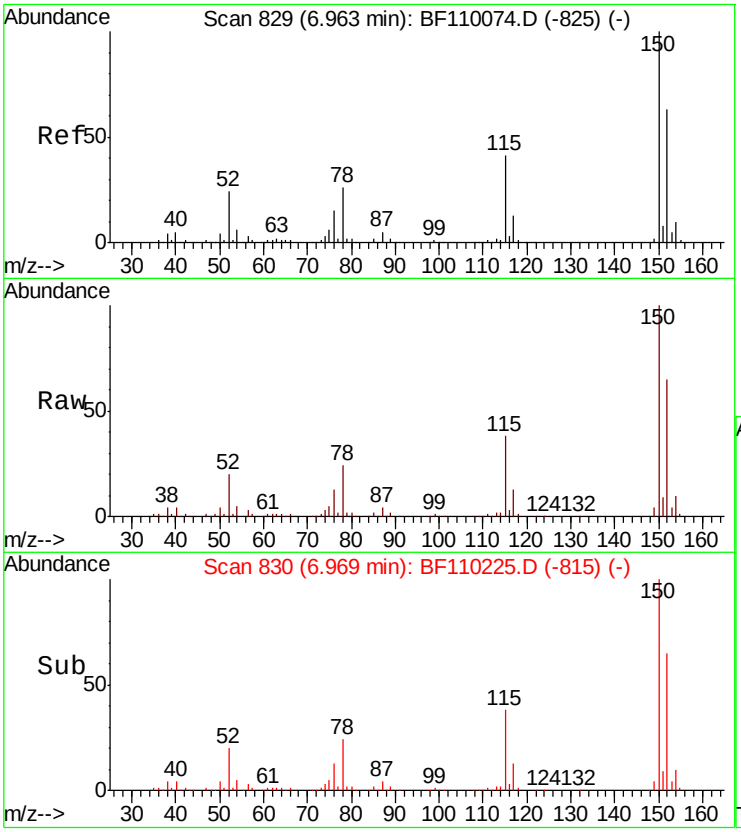
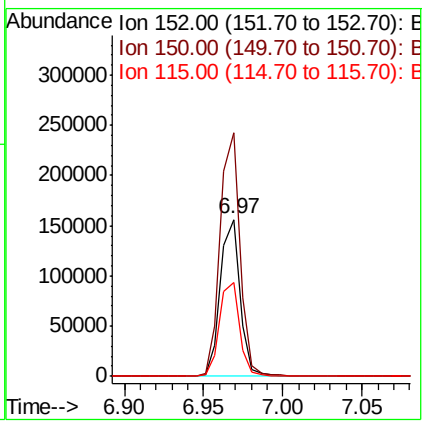




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110225.D
Acq: 26 Oct 2018 22:19

Tgt Ion:152 Resp: 135394

Ion	Ratio	Lower	Upper
152	100		
150	154.9	122.7	184.1
115	59.4	49.1	73.7



Instrument :
BNA_F
ClientSampleId :
TR-05-102518

Manual Integrations APPROVED
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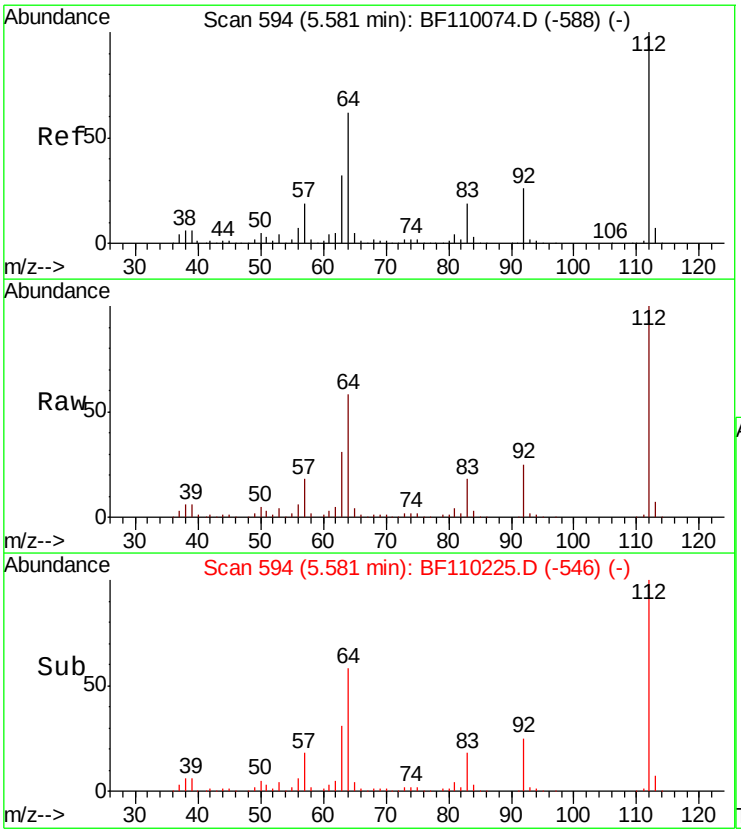
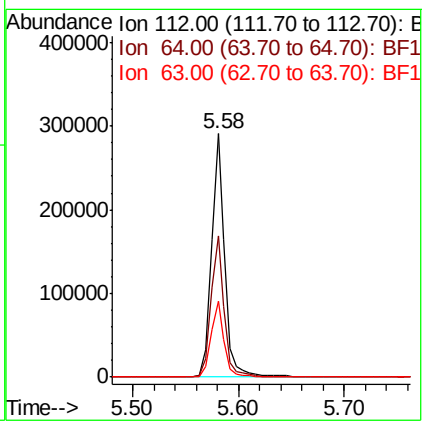
10/29/2018 11:56:47 AM

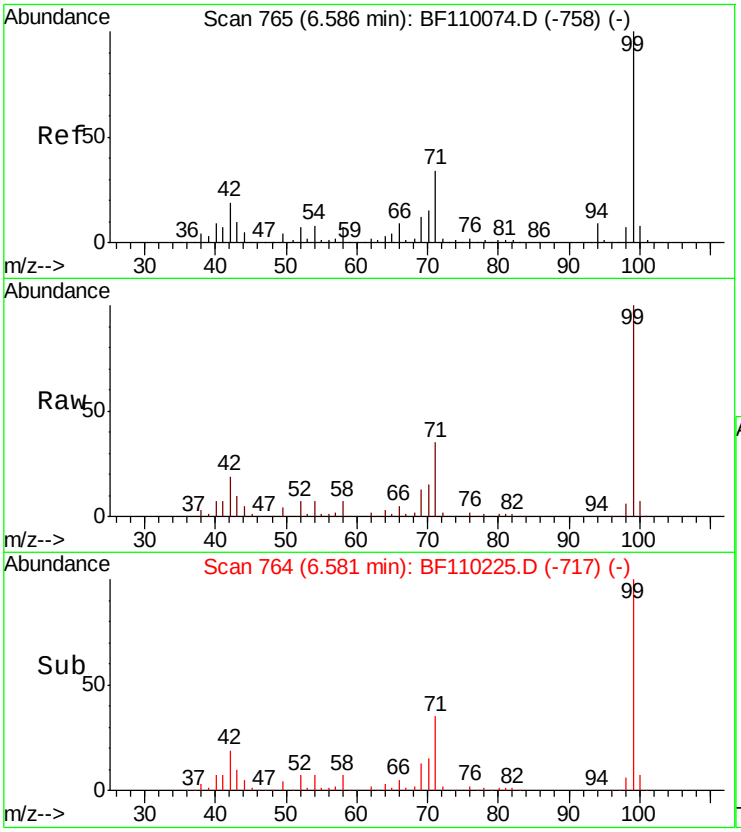


#5
2-Fluorophenol
Concen: 30.964 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.02 min
Lab File: BF110225.D
Acq: 26 Oct 2018 22:19

Tgt Ion:112 Resp: 257445

Ion	Ratio	Lower	Upper
112	100		
64	58.0	44.1	66.1
63	31.3	23.7	35.5

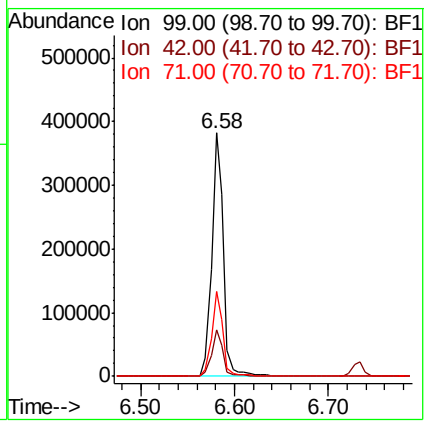




#7
Phenol-d6
Concen: 31.758 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.02 min
Lab File: BF110225.D
Acq: 26 Oct 2018 22:19

Tgt Ion: 99 Resp: 337735

Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.8	23.6
71	35.1	28.0	42.0



Instrument :
BNA_F
ClientSampleId :
TR-05-102518

Manual Integrations APPROVED
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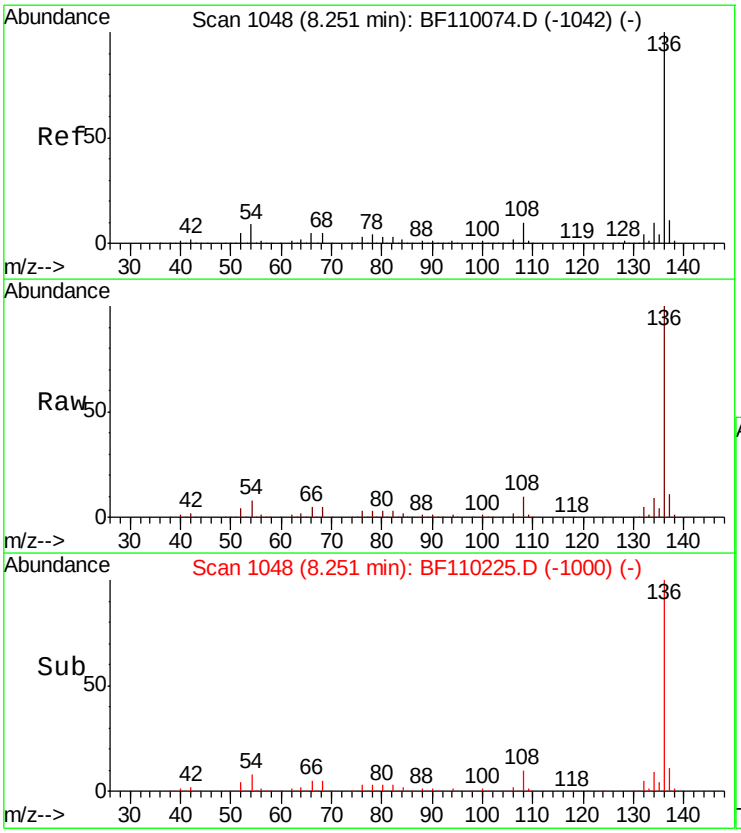
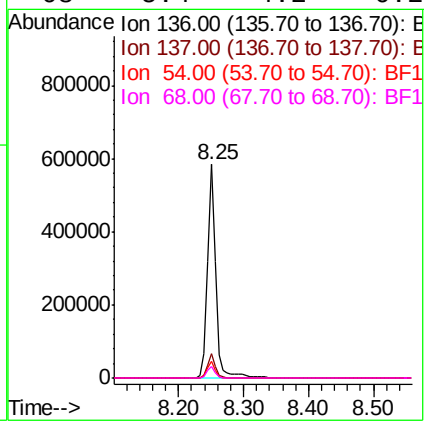
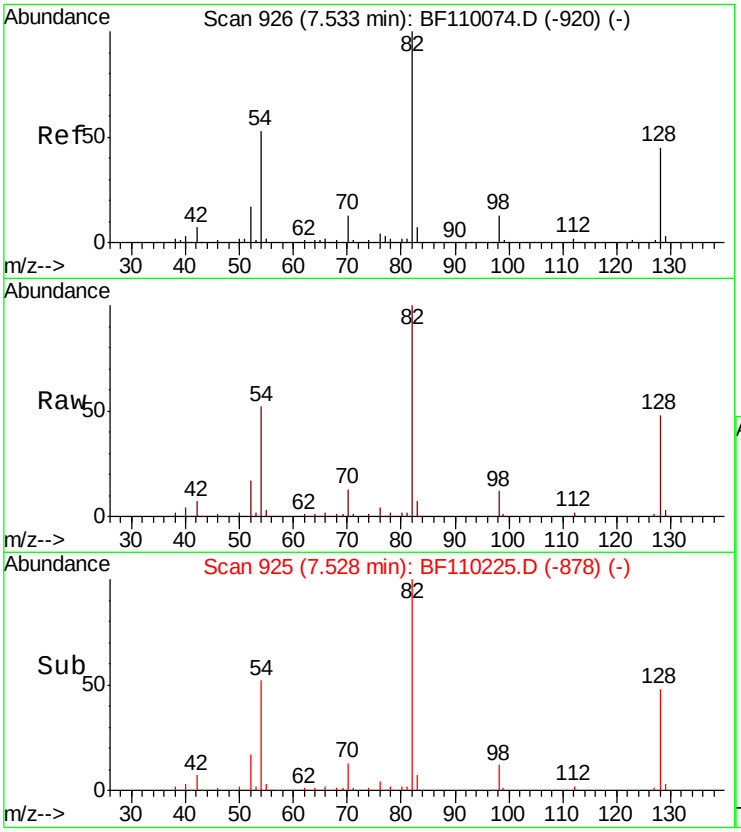


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110225.D
Acq: 26 Oct 2018 22:19

Tgt Ion:136 Resp: 520506

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	7.9	5.4	8.2
68	5.4	4.2	6.2

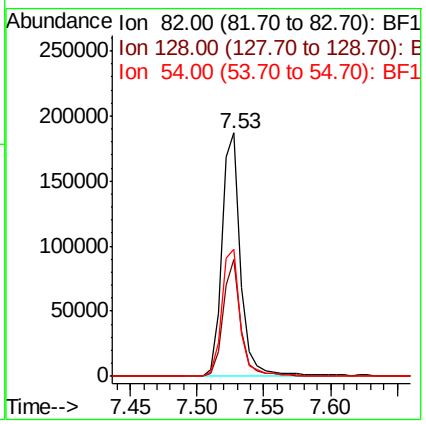




#23
Nitrobenzene-d5
Concen: 21.156 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110225.D
Acq: 26 Oct 2018 22:19

Tgt Ion: 82 Resp: 185656

Ion	Ratio	Lower	Upper
82	100		
128	48.2	34.2	51.2
54	52.3	38.6	58.0



Instrument :
BNA_F
ClientSampleId :
TR-05-102518

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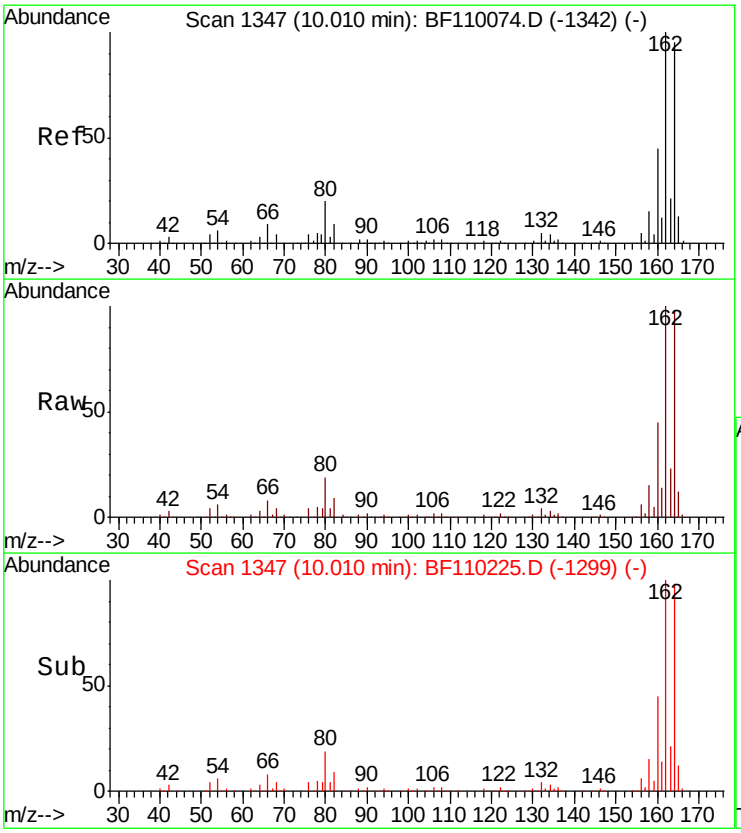
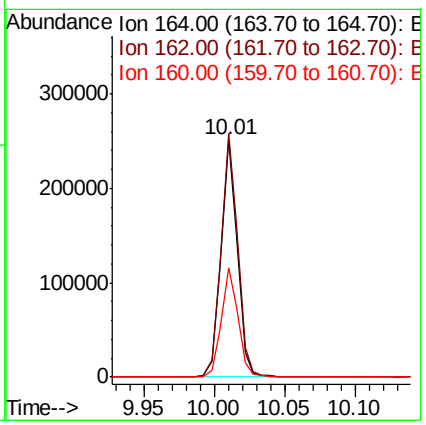
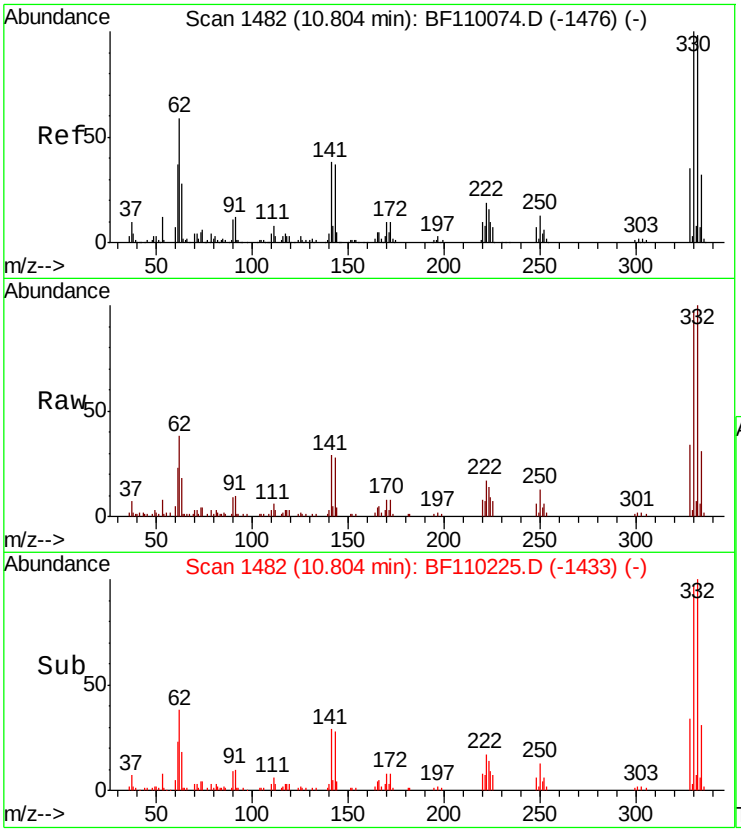


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110225.D
Acq: 26 Oct 2018 22:19

Tgt Ion:164 Resp: 201748

Ion	Ratio	Lower	Upper
164	100		
162	102.4	83.0	124.6
160	45.9	37.0	55.6





#42
2,4,6-Tribromophenol
Concen: 25.475 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF110225.D
Acq: 26 Oct 2018 22:19

Tgt Ion:330 Resp: 50910

Ion	Ratio	Lower	Upper
330	100		
332	101.5	77.1	115.7
141	37.7	27.0	40.4

Instrument :
BNA_F
ClientSampleId :
TR-05-102518

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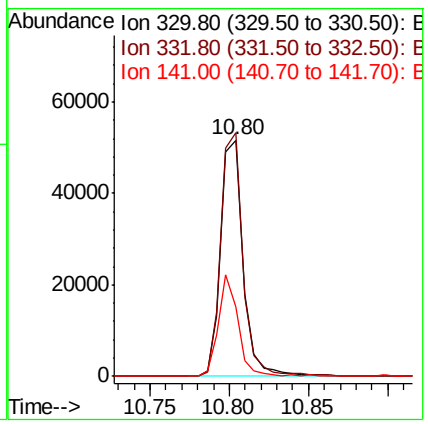
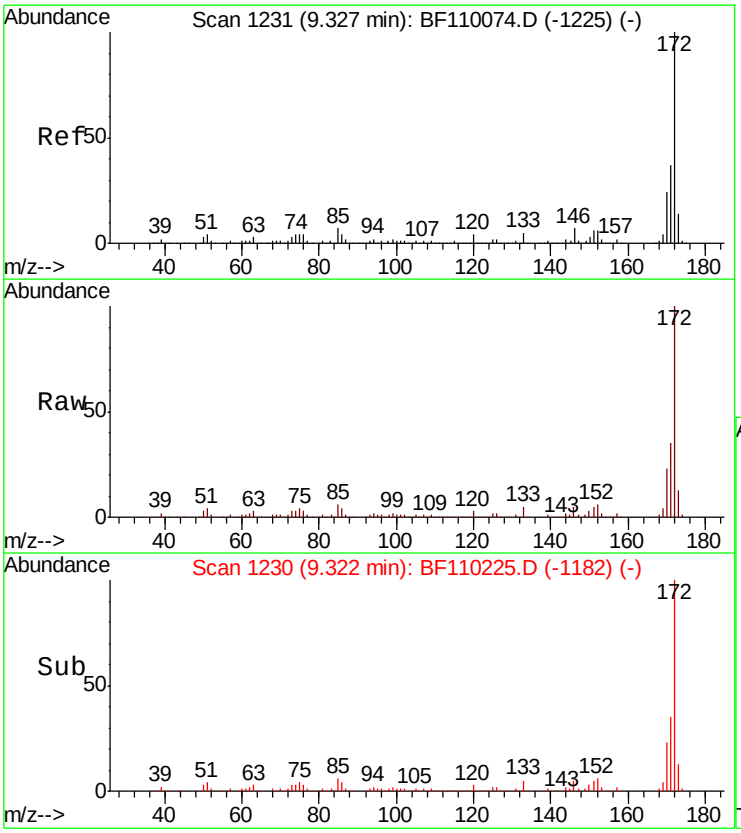
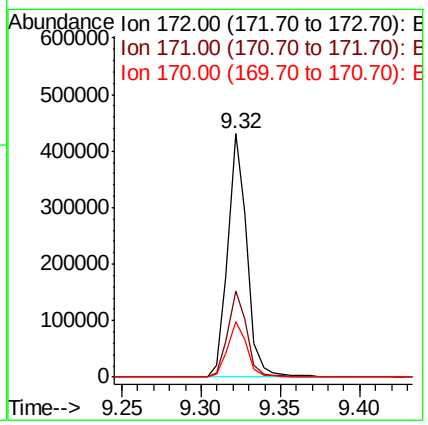


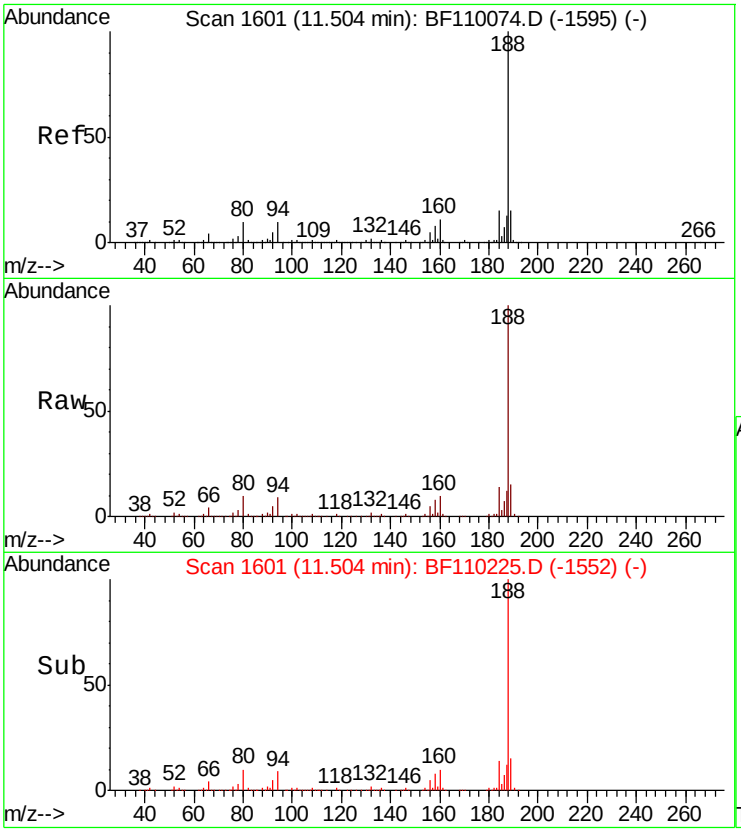


#45
2-Fluorobiphenyl
Concen: 28.004 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF110225.D
Acq: 26 Oct 2018 22:19

Tgt Ion:172 Resp: 359793

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	43.0
170	22.9	19.7	29.5

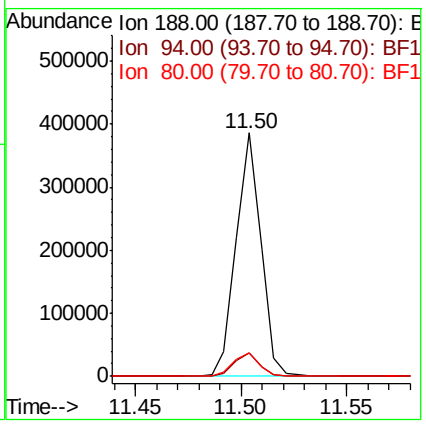




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110225.D
Acq: 26 Oct 2018 22:19

Tgt Ion:188 Resp: 313435

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.2	10.8
80	9.6	7.9	11.9



Instrument :
BNA_F
ClientSampleId :
TR-05-102518

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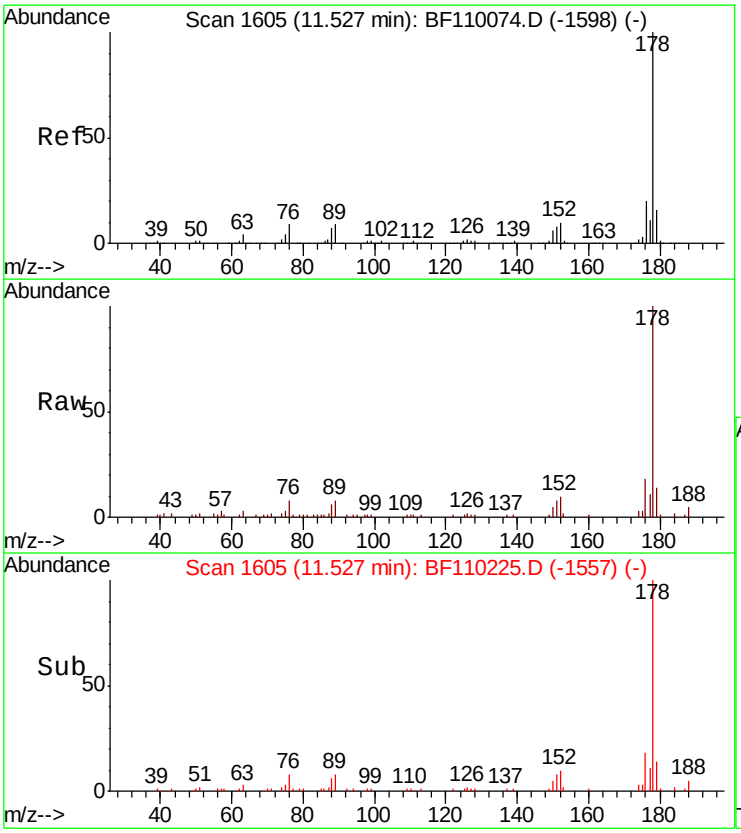
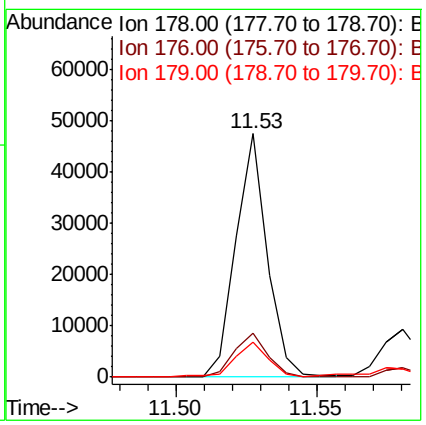
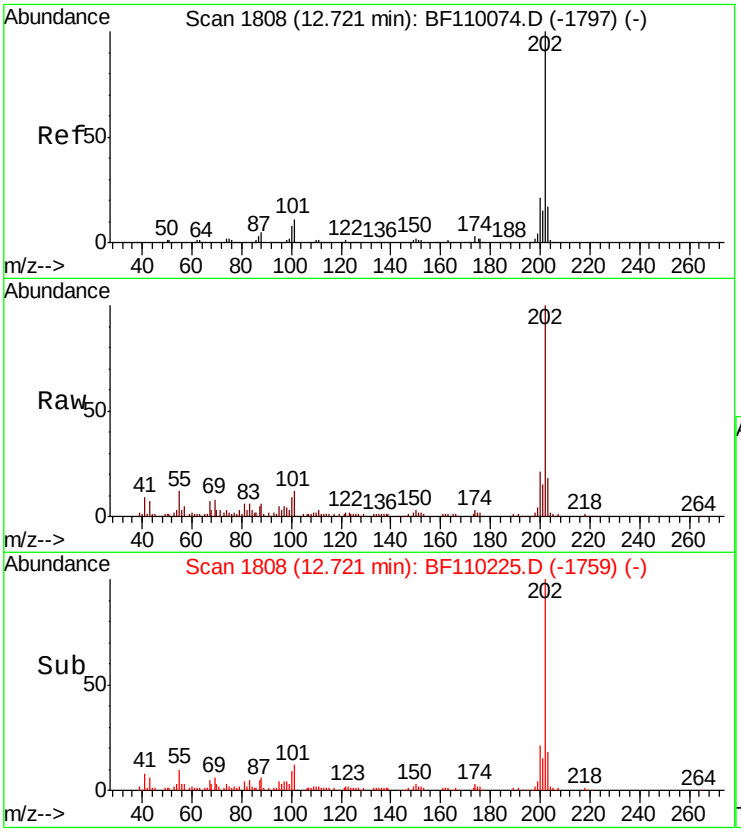


#71
Phenanthrene
Concen: 2.240 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF110225.D
Acq: 26 Oct 2018 22:19

Tgt Ion:178 Resp: 36740

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.5	23.3
179	14.5	12.5	18.7

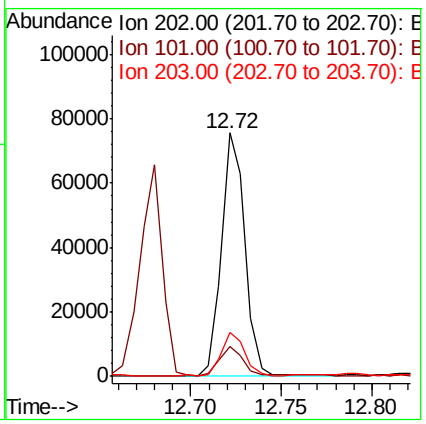




#75
Fluoranthene
Concen: 4.104 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF110225.D
Acq: 26 Oct 2018 22:19

Tgt Ion:202 Resp: 68317

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.4
203	18.2	0.0	37.7



Instrument :
BNA_F
ClientSampleId :
TR-05-102518

Manual Integrations APPROVED
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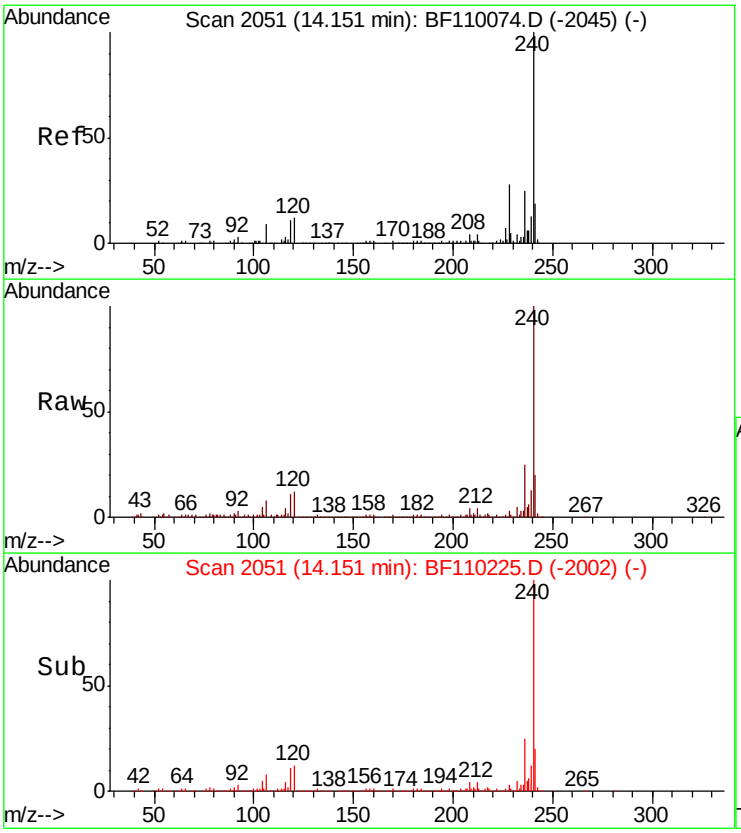
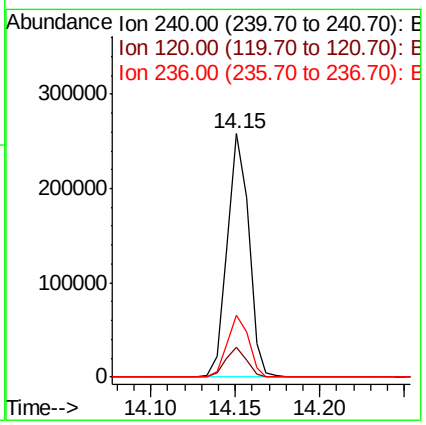
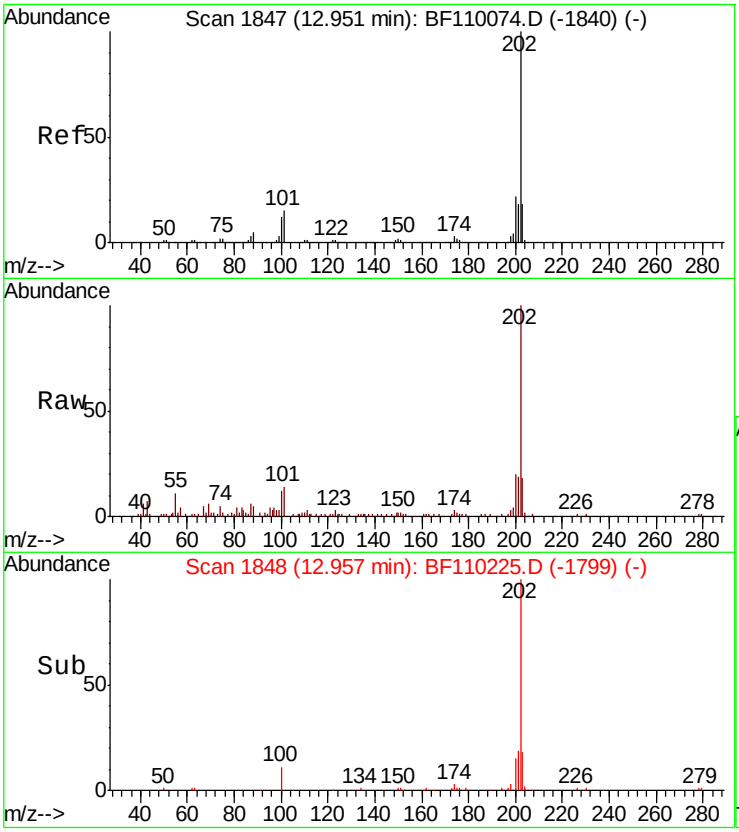


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110225.D
Acq: 26 Oct 2018 22:19

Tgt Ion:240 Resp: 227629

Ion	Ratio	Lower	Upper
240	100		
120	12.1	8.3	12.5
236	25.4	21.2	31.8

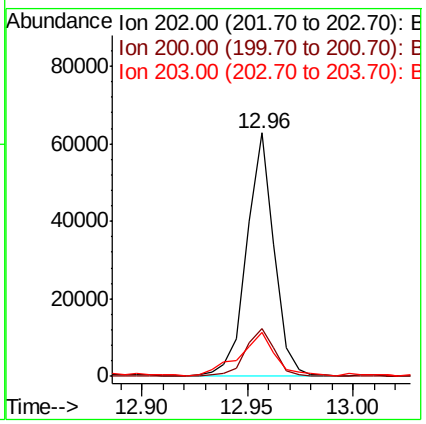




#78
Pyrene
Concen: 3.489 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF110225.D
Acq: 26 Oct 2018 22:19

Tgt Ion:202 Resp: 56932

Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.8	26.6
203	17.9	14.2	21.4



Instrument :
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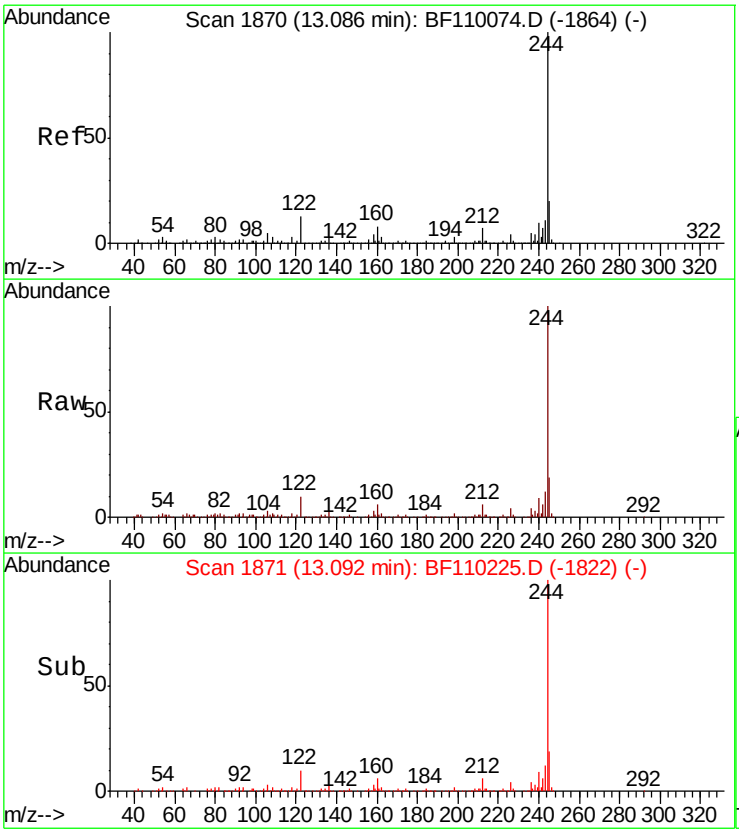
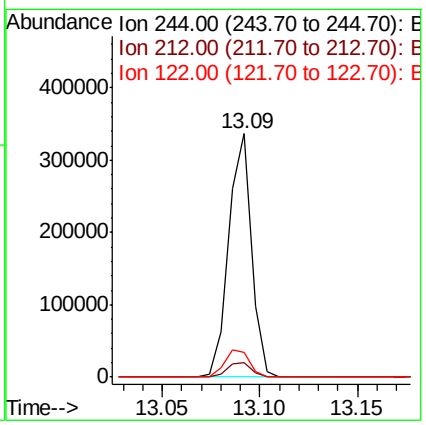
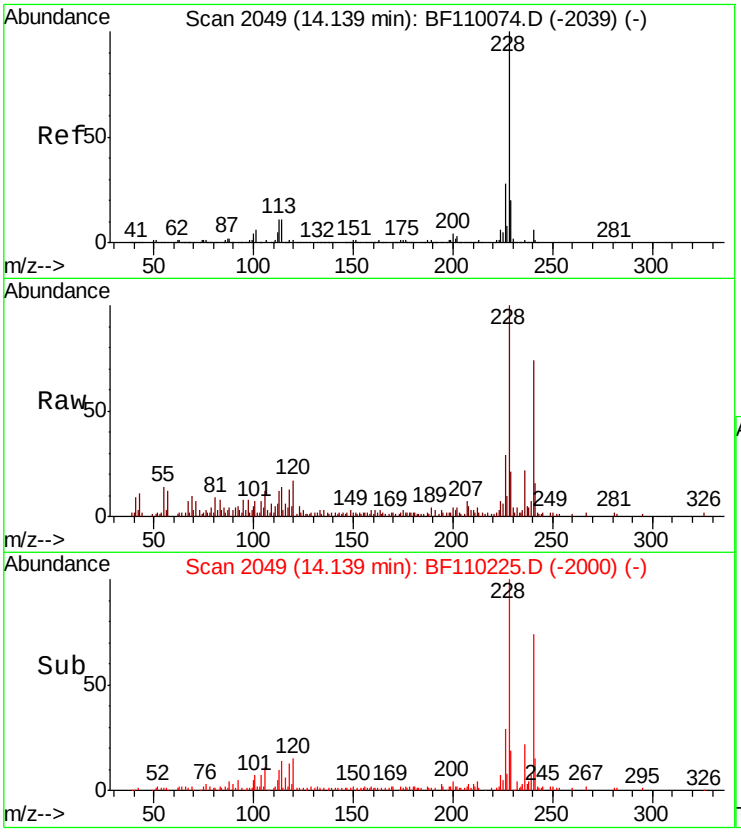


#79
Terphenyl-d14
Concen: 24.836 ng
RT: 13.09 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BF110225.D
Acq: 26 Oct 2018 22:19

Tgt Ion:244 Resp: 271835

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.8	8.8
122	10.4	8.7	13.1

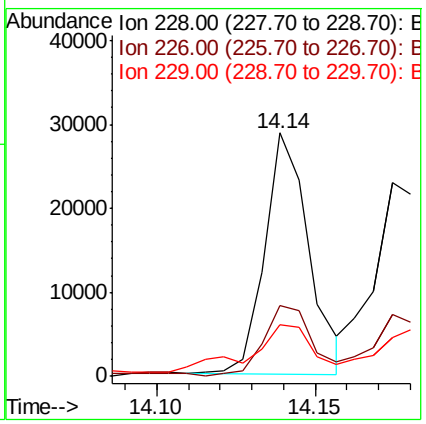




#81
Benzo(a)anthracene
Concen: 2.073 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BF110225.D
Acq: 26 Oct 2018 22:19

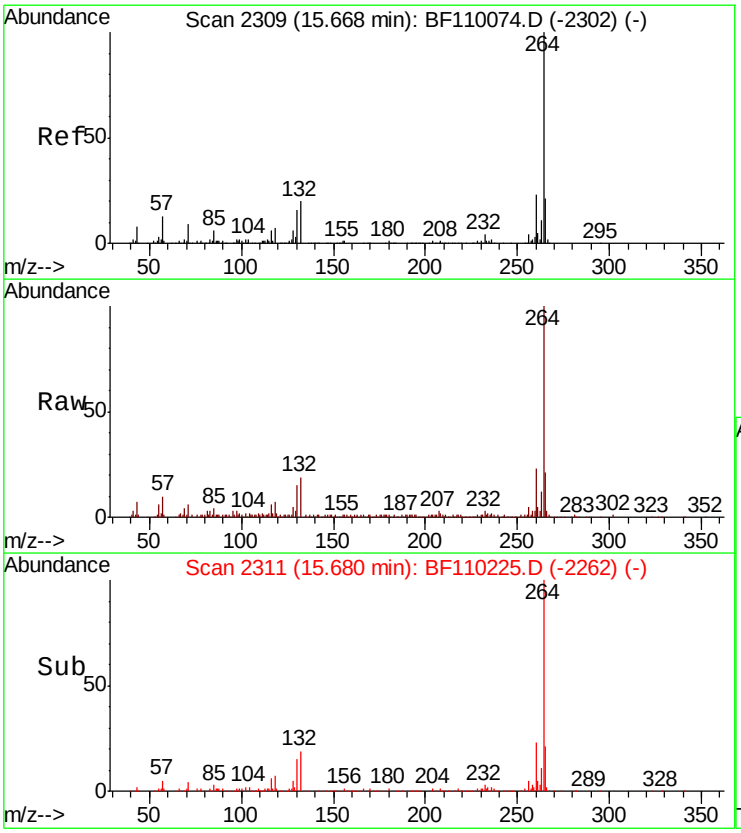
Tgt Ion:228 Resp: 27985

Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.1	33.1
229	21.3	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
TR-05-102518

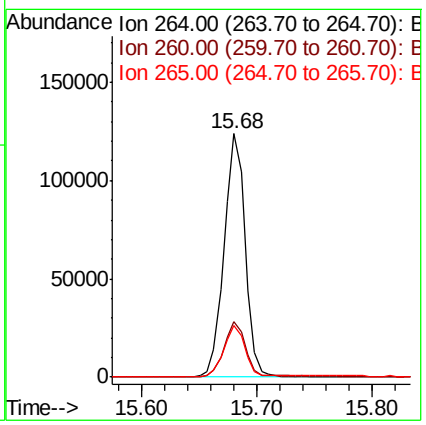
Manual Integrations APPROVED
Sohil
10/29/2018 11:56:47 AM

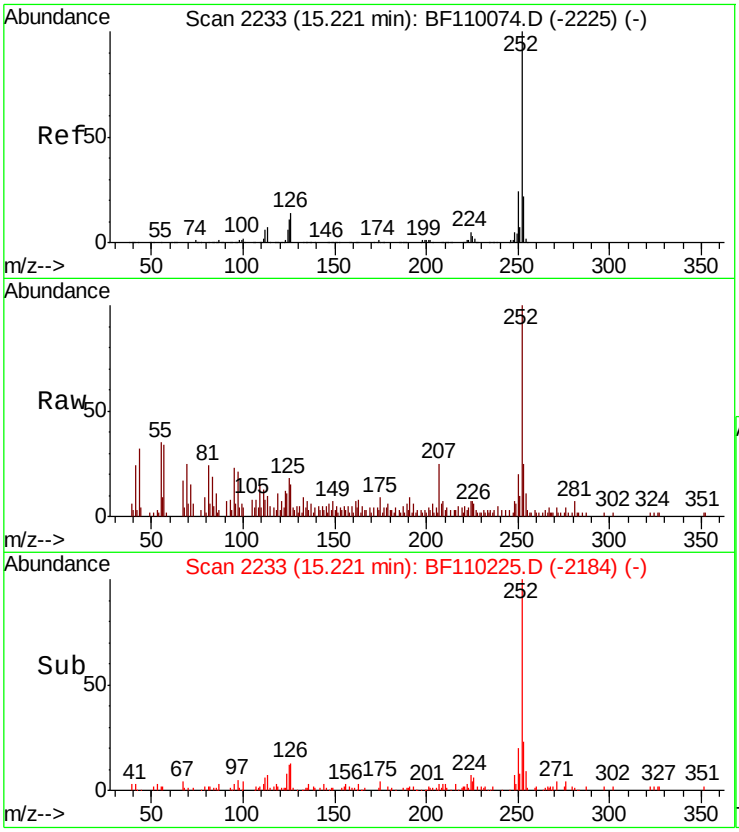


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2311
Delta R.T. -0.01 min
Lab File: BF110225.D
Acq: 26 Oct 2018 22:19

Tgt Ion:264 Resp: 157327

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.7	28.1
265	21.0	16.7	25.1

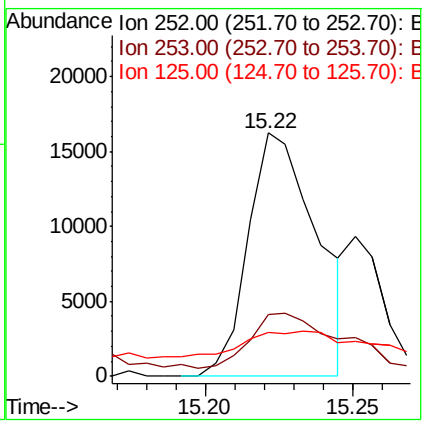




#88
Benzo(b)fluoranthene
Concen: 2.900 ng m
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF110225.D
Acq: 26 Oct 2018 22:19

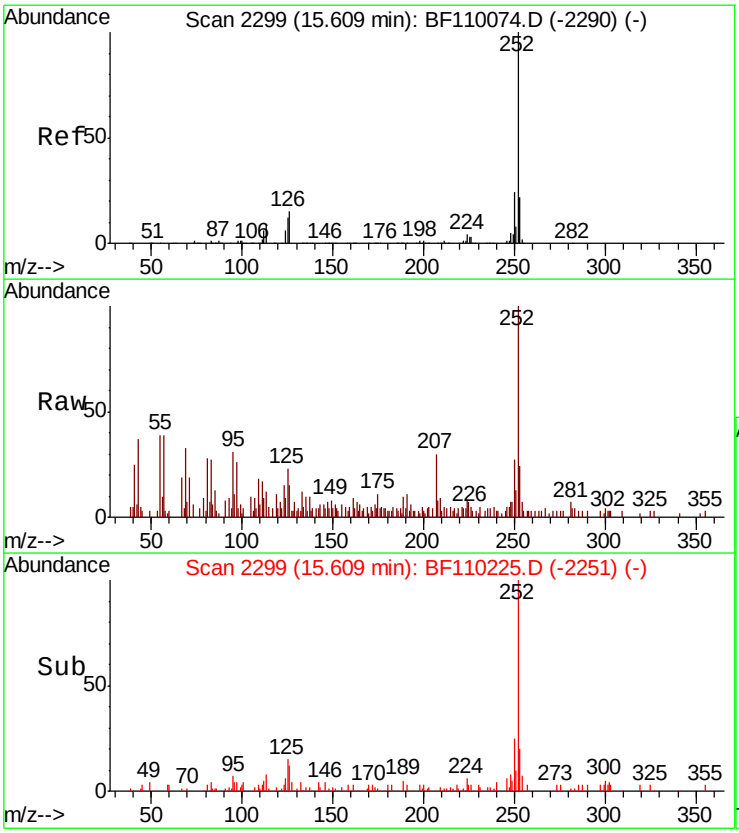
Tgt Ion:252 Resp: 26349

Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.2	25.8
125	18.3	8.2	12.4#



Instrument :
BNA_F
ClientSampleId :
TR-05-102518

Manual Integrations APPROVED
Sohil
10/29/2018 11:56:47 AM



#90
Benzo(a)pyrene
Concen: 2.106 ng
RT: 15.61 min Scan# 2299
Delta R.T. -0.02 min
Lab File: BF110225.D
Acq: 26 Oct 2018 22:19

Tgt Ion:252 Resp: 17608

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.4
125	23.0	9.0	13.6#