Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106932.D
Acq On : 28 Jun 2018 20:29
Operator : JU/SJ
Sample : J3242-15 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JC-02-062618-H

Manual Integrations APPROVED
Sohil
6/29/2018 2:30:48 PM

Quant Time: Jun 29 01:48:48 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 25 18:50:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	79219	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	304183	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	143495	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	232476	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	224059	20.00	ng	-0.03
86) Perylene-d12	15.67	264	223437	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	252739	54.02	ng	-0.01
7) Phenol-d6	6.59	99	316440	54.16	ng	-0.02
23) Nitrobenzene-d5	7.51	82	191787	35.04	ng	-0.02
41) 2,4,6-Tribromophenol	10.78	330	85311	51.29	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	396634	38.76	ng	-0.02
78) Terphenyl-d14	13.07	244	355665	38.45	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.70	163	78346	7.280	ng	98
70) Phenanthrene	11.51	178	24862	2.217	ng	98
74) Fluoranthene	12.70	202	52355	4.236	ng	94
77) Pyrene	12.94	202	50337	3.407	ng	99
80) Benzo(a)anthracene	14.12	228	30812	2.256	ng	97
82) Chrysene	14.16	228	27378	2.179	ng	96
87) Benzo(b)fluoranthene	15.21	252	41937m	3.021	ng	
89) Benzo(a)pyrene	15.60	252	28058	2.274	ng	95

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

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Manual Integrations APPROVED
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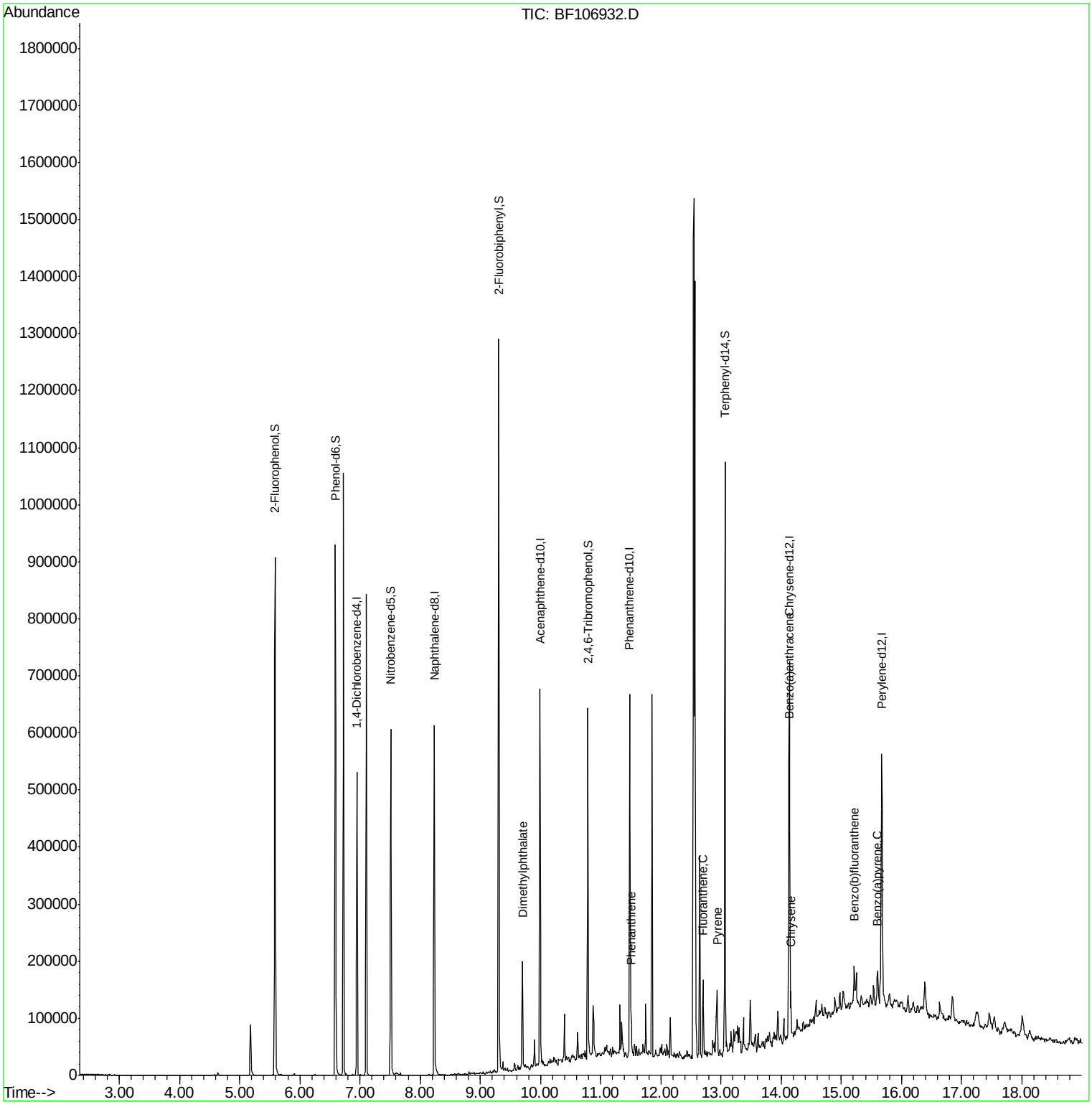
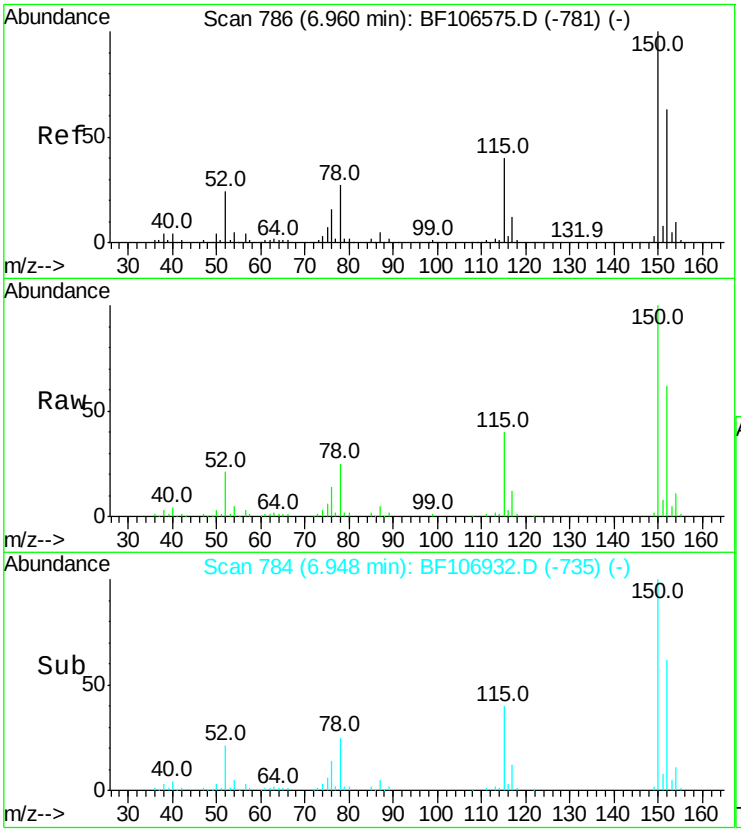
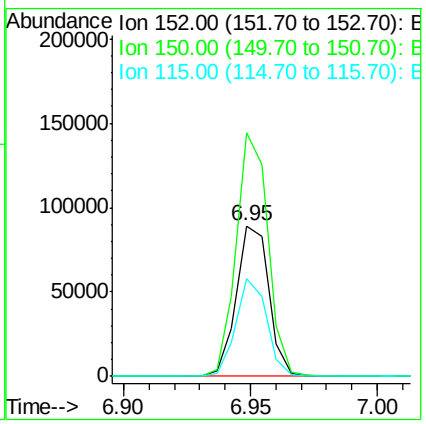




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

Tgt Ion:152 Resp: 79219

Ion	Ratio	Lower	Upper
152	100		
150	162.1	124.6	186.8
115	65.3	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
JC-02-062618-H

Manual Integrations APPROVED
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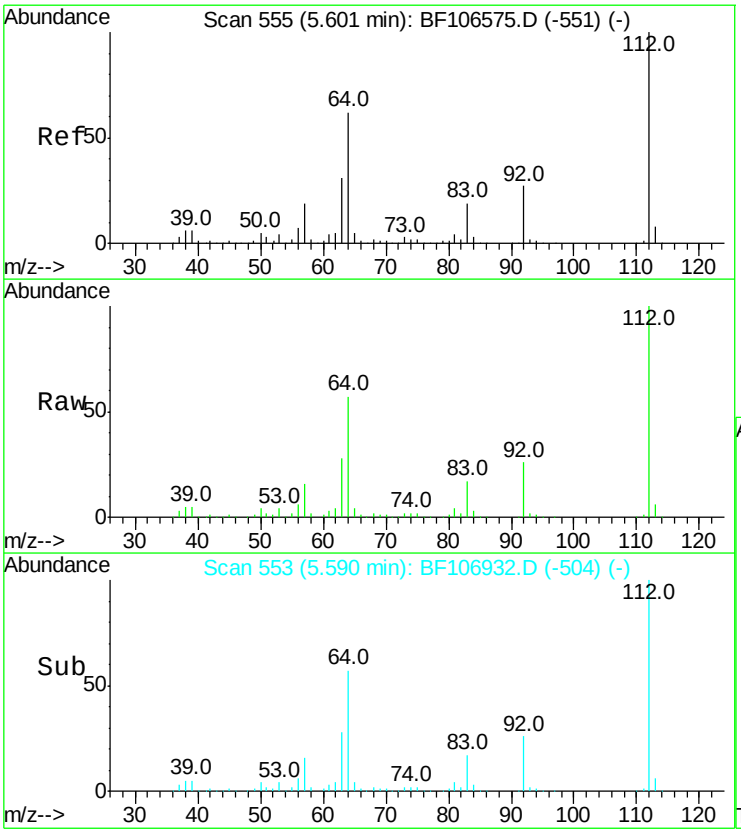
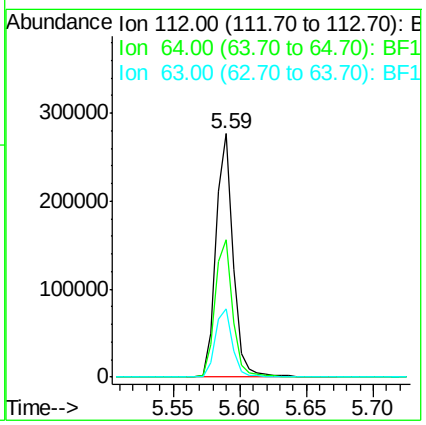
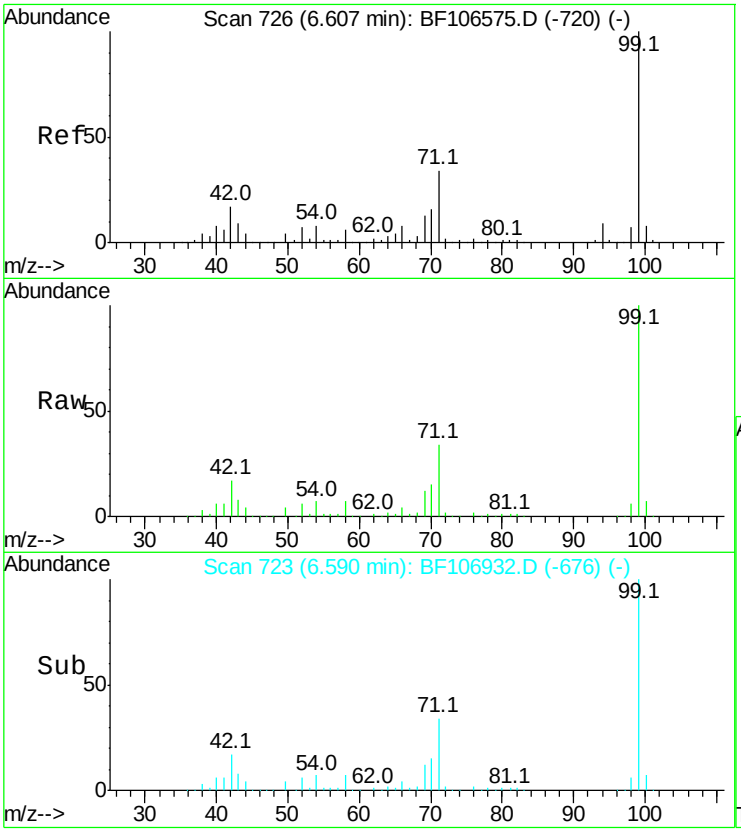


#5
2-Fluorophenol
Concen: 54.023 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

Tgt Ion:112 Resp: 252739

Ion	Ratio	Lower	Upper
112	100		
64	56.6	47.9	71.9
63	28.1	23.7	35.5

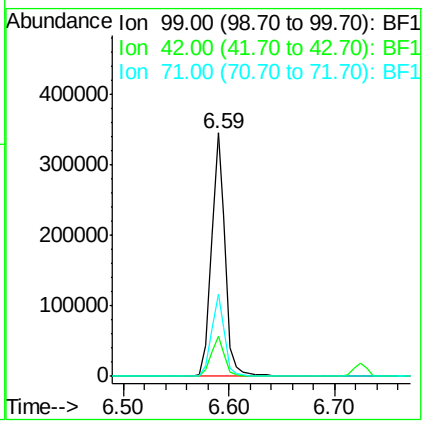




#7
Phenol-d6
Concen: 54.163 ng
RT: 6.59 min Scan# 723
Delta R.T. -0.02 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

Tgt Ion: 99 Resp: 316440

Ion	Ratio	Lower	Upper
99	100		
42	16.5	14.5	21.7
71	33.9	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
JC-02-062618-H

Manual Integrations APPROVED
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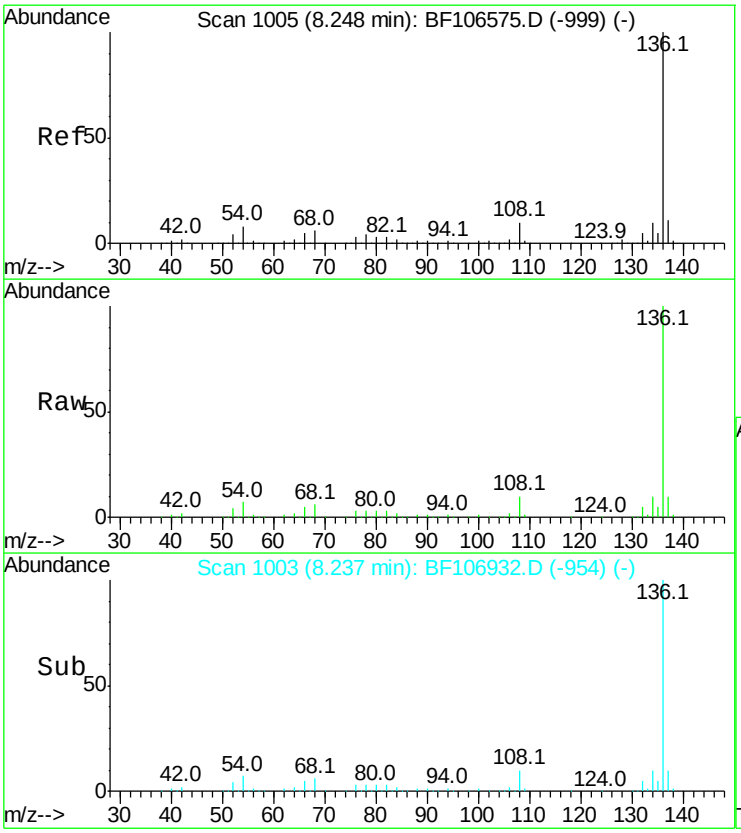
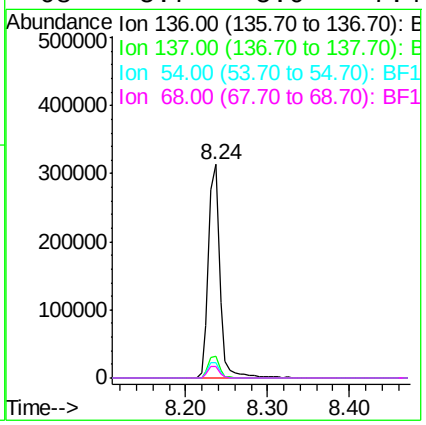
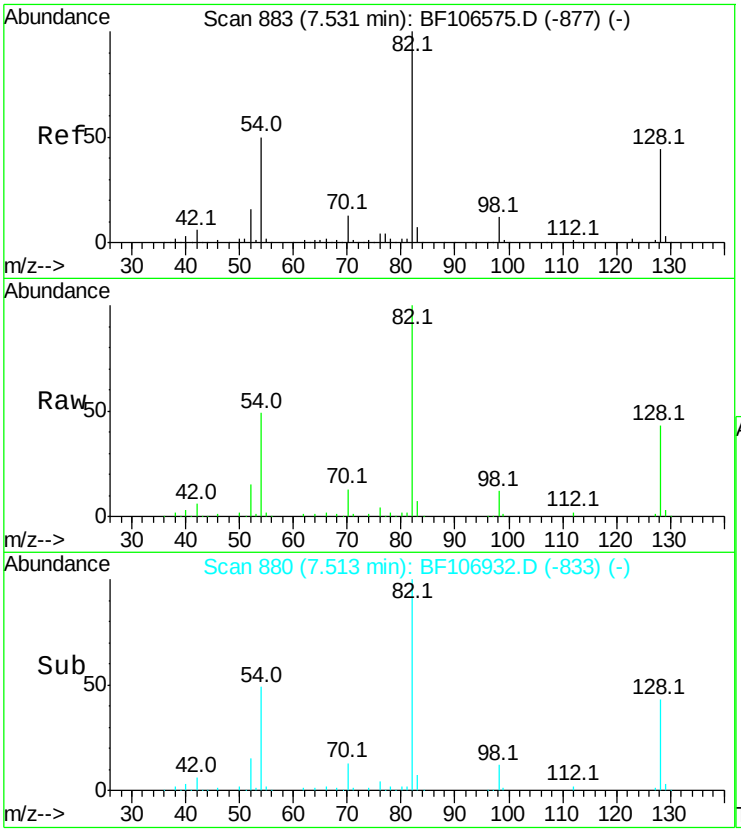


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

Tgt Ion:136 Resp: 304183

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	7.3	6.6	9.8
68	5.7	5.0	7.4

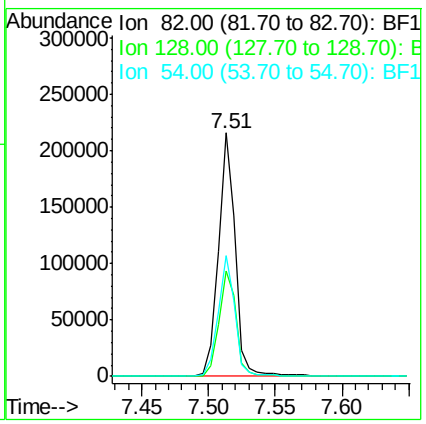




#23
Nitrobenzene-d5
Concen: 35.039 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

Tgt Ion: 82 Resp: 191787

Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.1	54.1
54	49.5	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
JC-02-062618-H

Manual Integrations APPROVED
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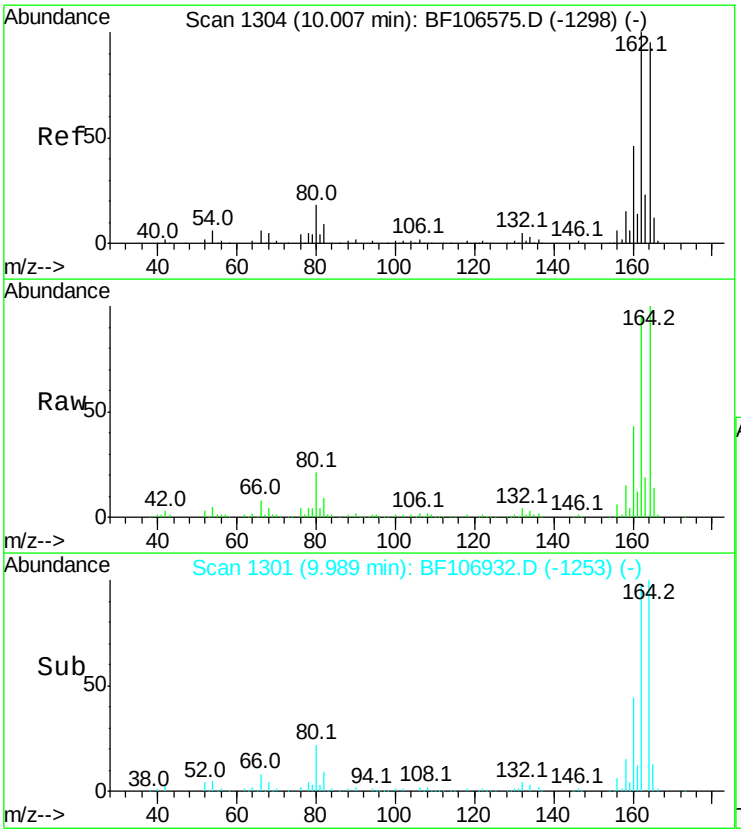
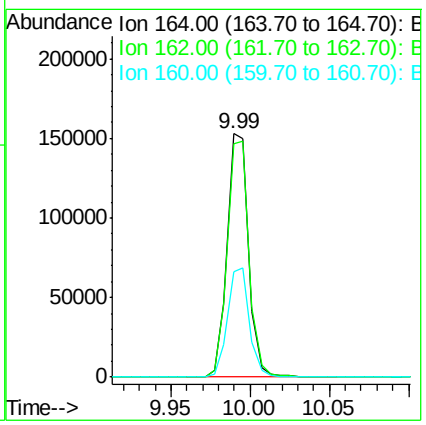
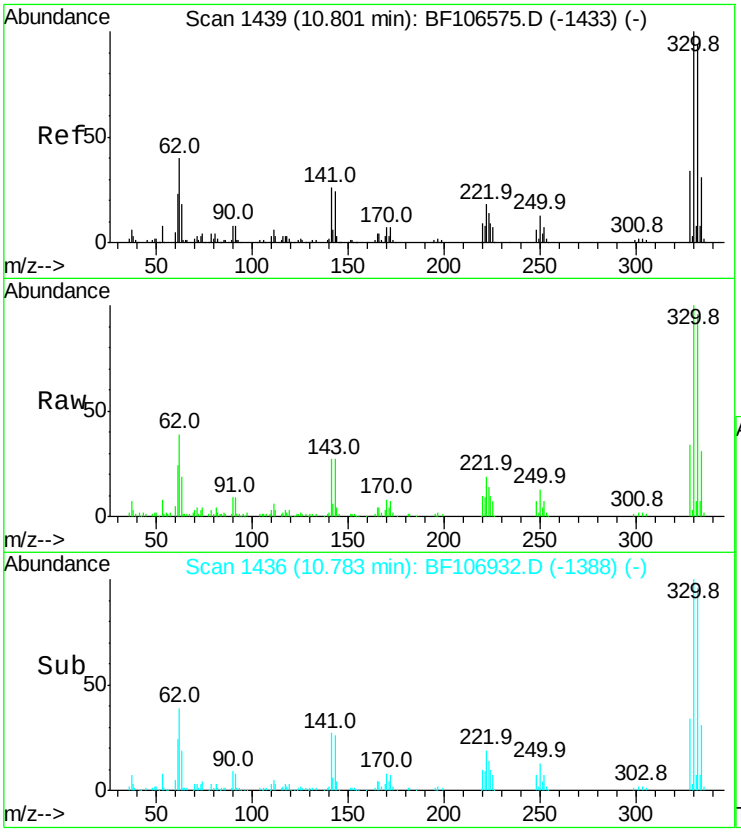


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

Tgt Ion:164 Resp: 143495

Ion	Ratio	Lower	Upper
164	100		
162	96.0	86.1	129.1
160	43.2	38.3	57.5

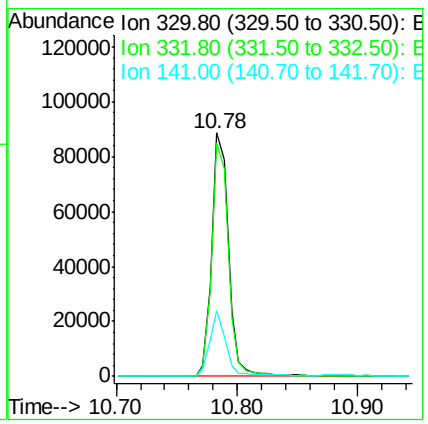




#41
2,4,6-Tribromophenol
Concen: 51.295 ng
RT: 10.78 min Scan# 1436
Delta R.T. -0.02 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

Tgt Ion:330 Resp: 85311

Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.0	115.6
141	26.1	29.9	44.9#



Instrument :
BNA_F
ClientSampleId :
JC-02-062618-H

Manual Integrations APPROVED
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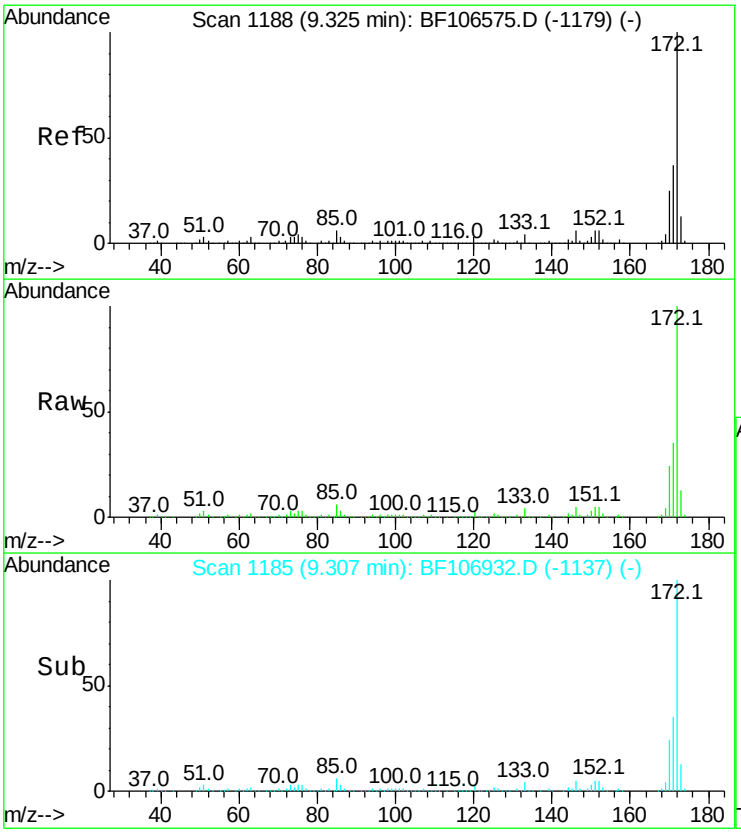
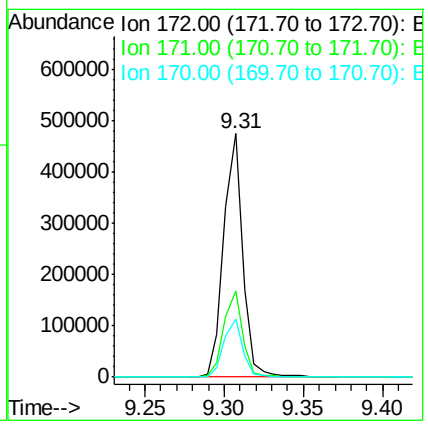
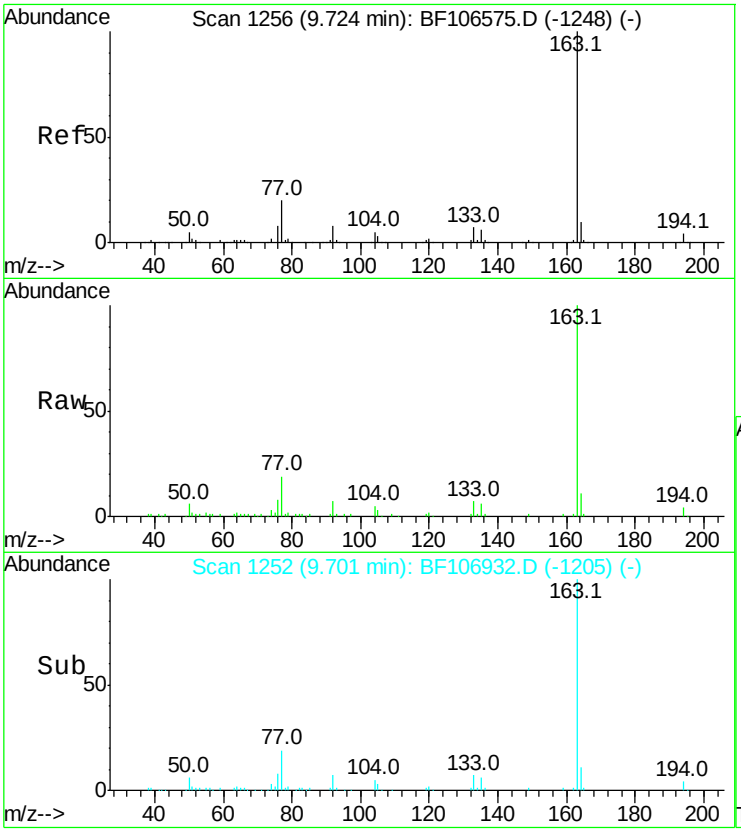


#44
2-Fluorobiphenyl
Concen: 38.761 ng
RT: 9.31 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

Tgt Ion:172 Resp: 396634

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.6	19.6	29.4

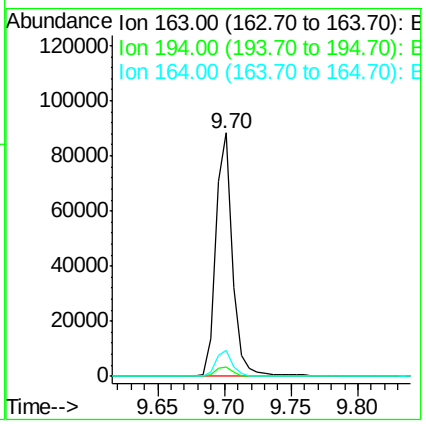




#49
Dimethylphthalate
Concen: 7.280 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

Tgt Ion:163 Resp: 78346

Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	10.9	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
JC-02-062618-H

Manual Integrations APPROVED
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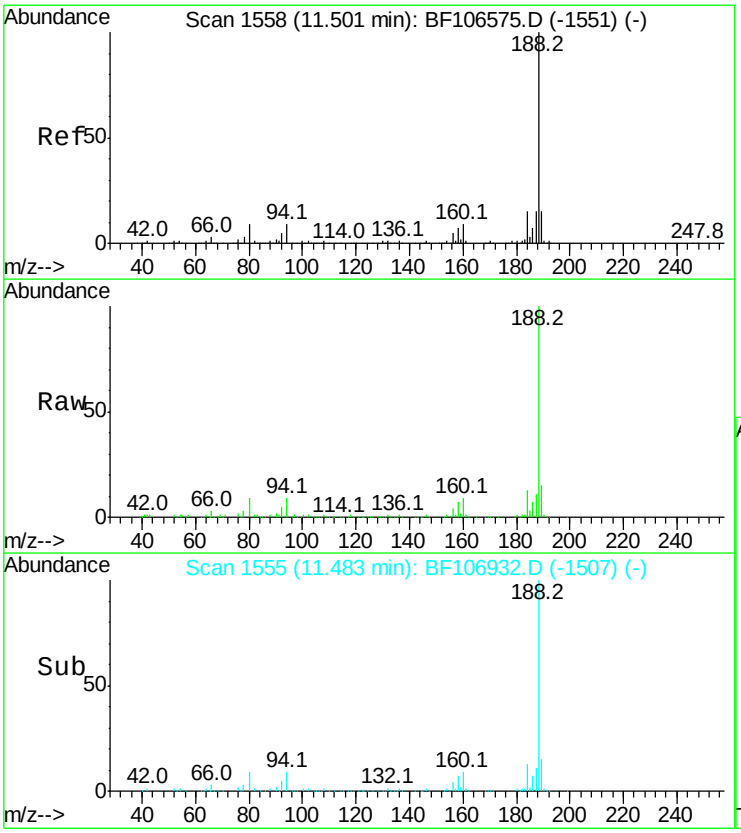
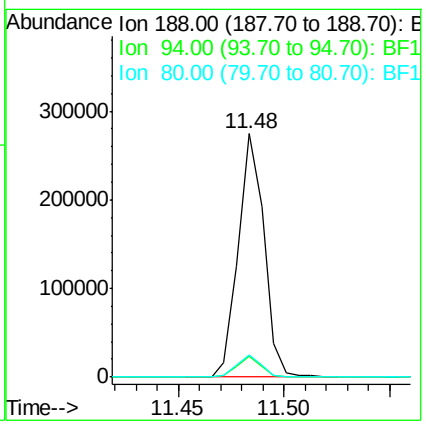
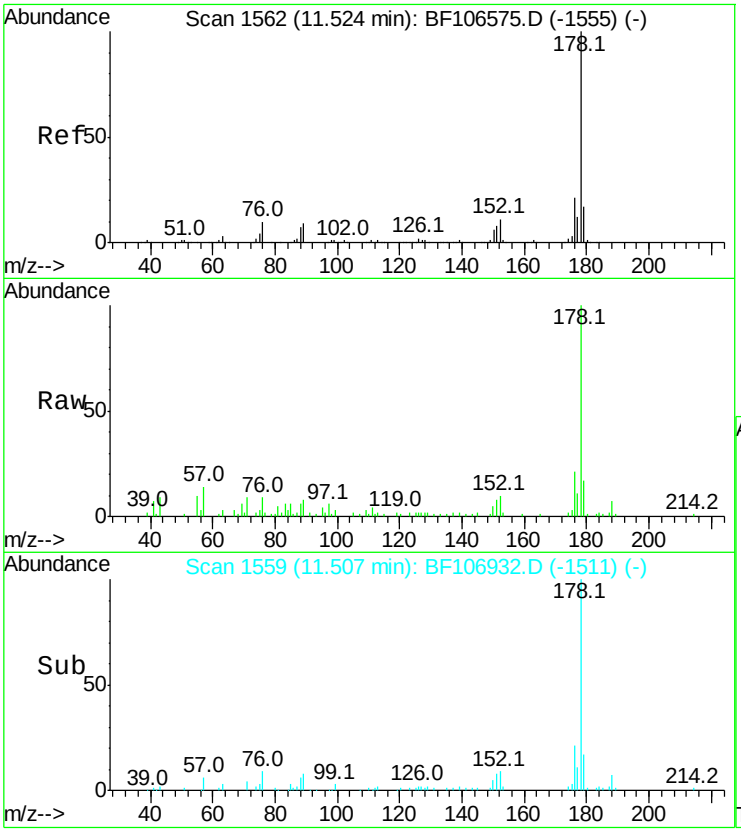


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

Tgt Ion:188 Resp: 232476

Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.5	12.7
80	9.0	9.2	13.8#

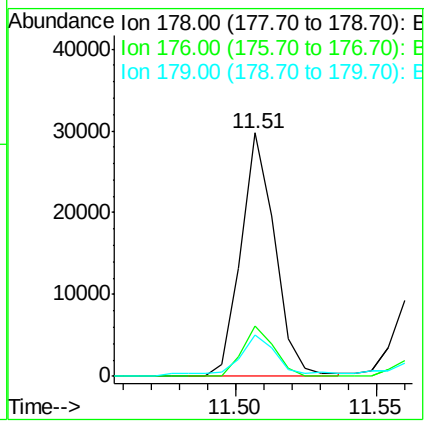




#70
Phenanthrene
Concen: 2.217 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

Tgt Ion:178 Resp: 24862

Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.8	23.8
179	16.8	13.0	19.6



Instrument :
BNA_F
ClientSampleId :
JC-02-062618-H

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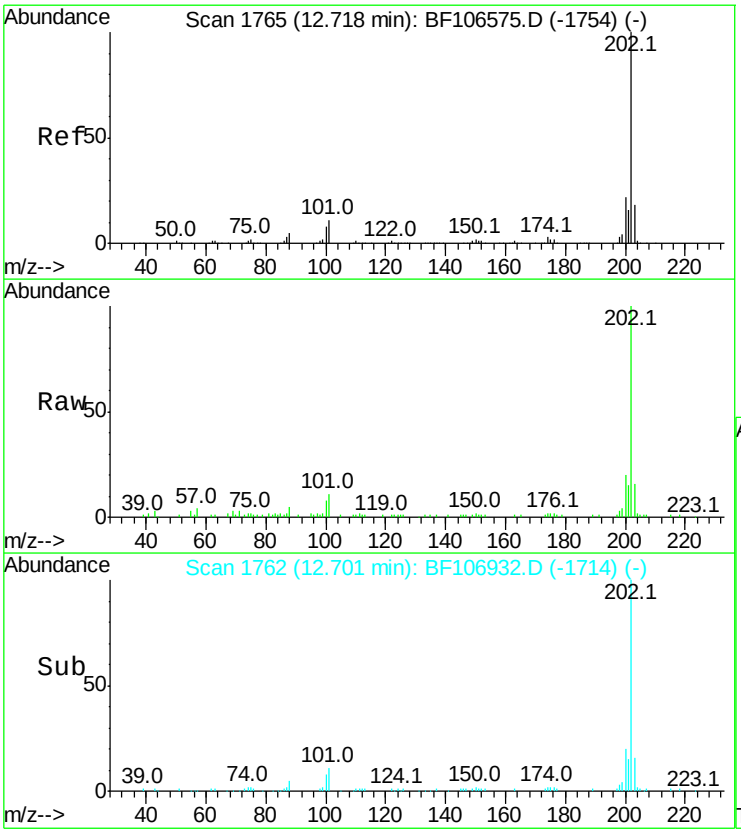
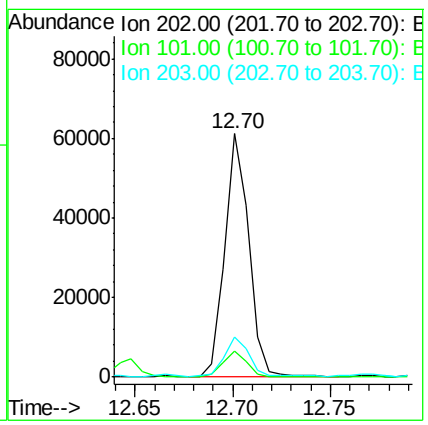
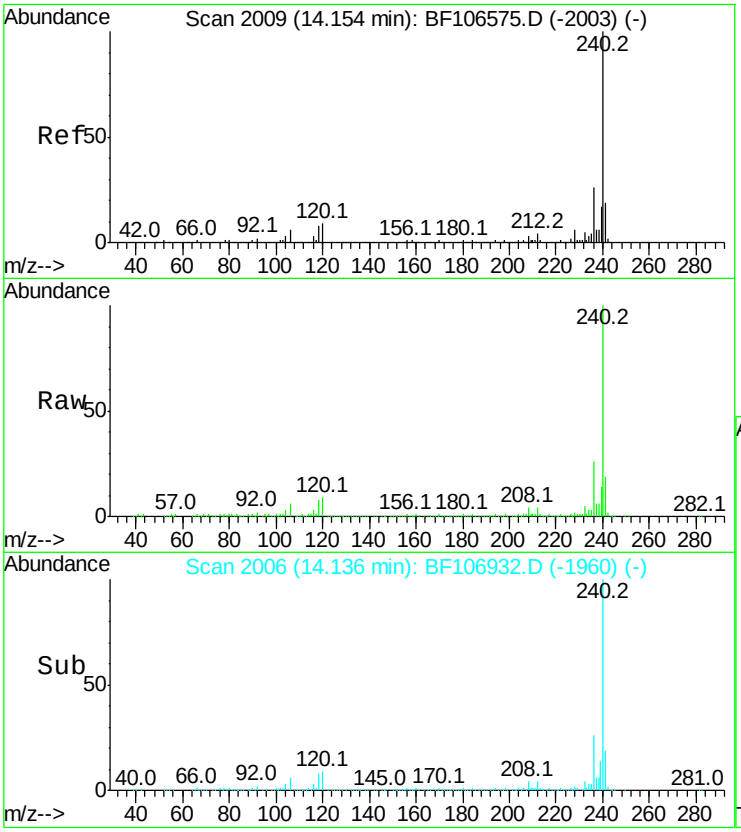


#74
Fluoranthene
Concen: 4.236 ng
RT: 12.70 min Scan# 1762
Delta R.T. -0.02 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

Tgt Ion:202 Resp: 52355

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	34.1
203	16.3	0.0	38.1

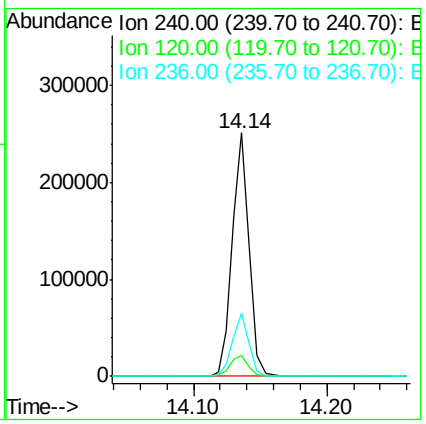




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.03 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

Tgt Ion:240 Resp: 224059

Ion	Ratio	Lower	Upper
240	100		
120	8.7	9.5	14.3#
236	25.7	20.7	31.1



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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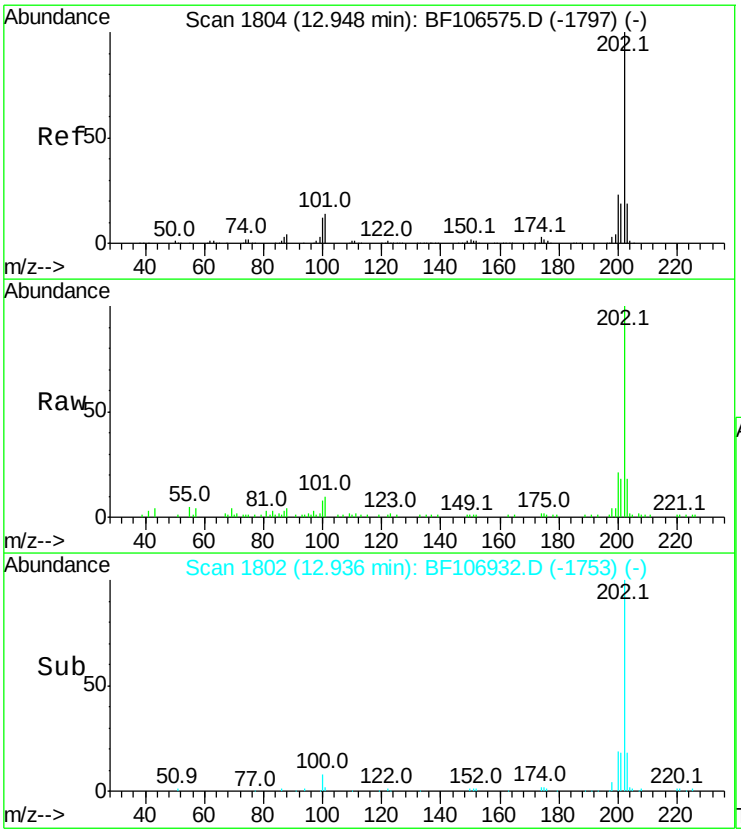
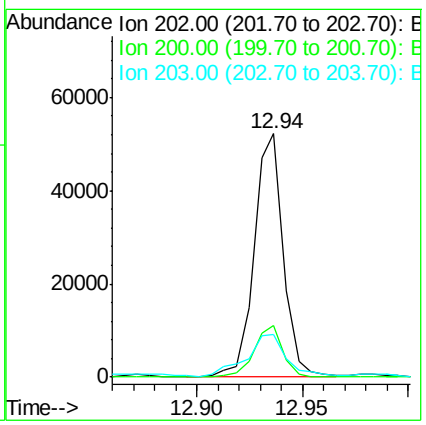
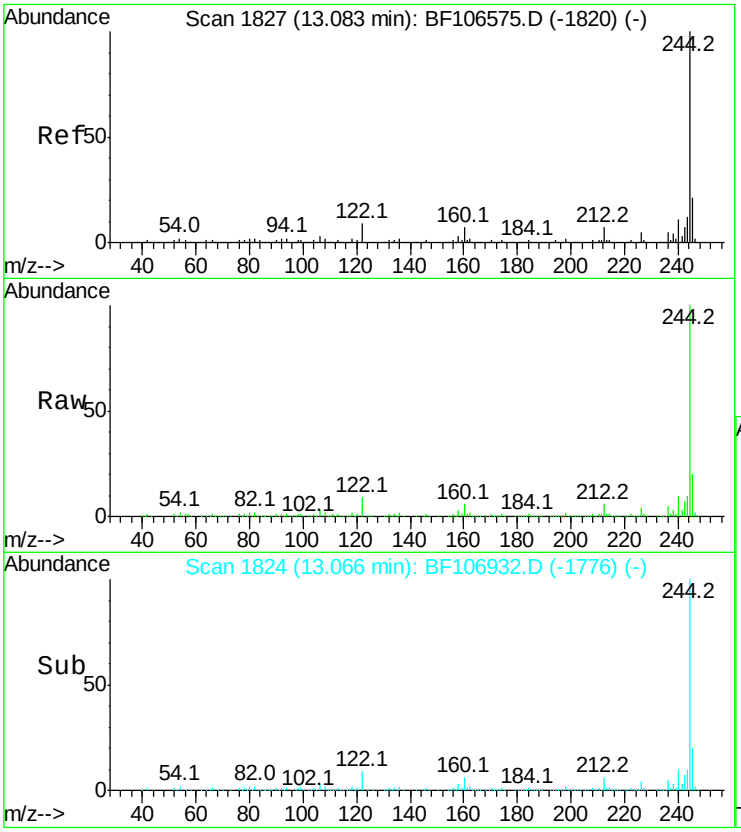


#77
Pyrene
Concen: 3.407 ng
RT: 12.94 min Scan# 1802
Delta R.T. -0.01 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

Tgt Ion:202 Resp: 50337

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.5	14.3	21.5

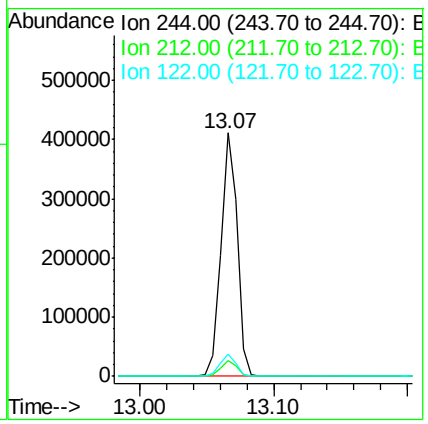




#78
Terphenyl-d14
Concen: 38.451 ng
RT: 13.07 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

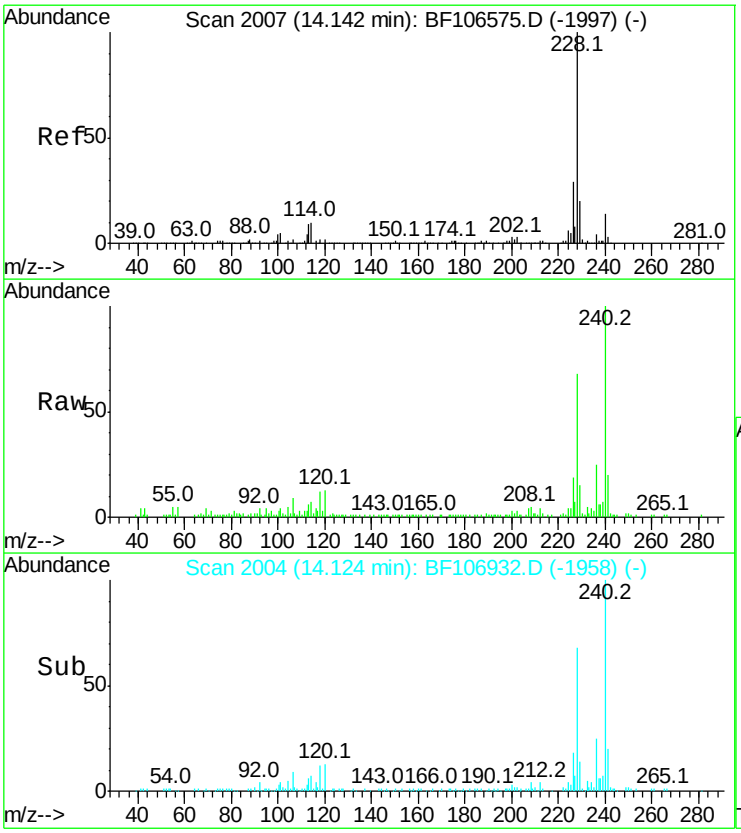
Tgt Ion:244 Resp: 355665

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	8.9	11.0	16.4#



Instrument :
BNA_F
ClientSampleId :
JC-02-062618-H

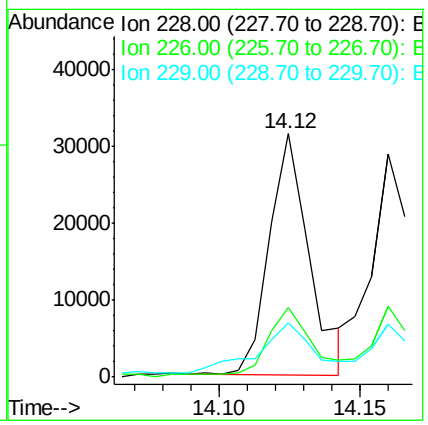
Manual Integrations APPROVED
Sohil
6/29/2018 2:30:48 PM

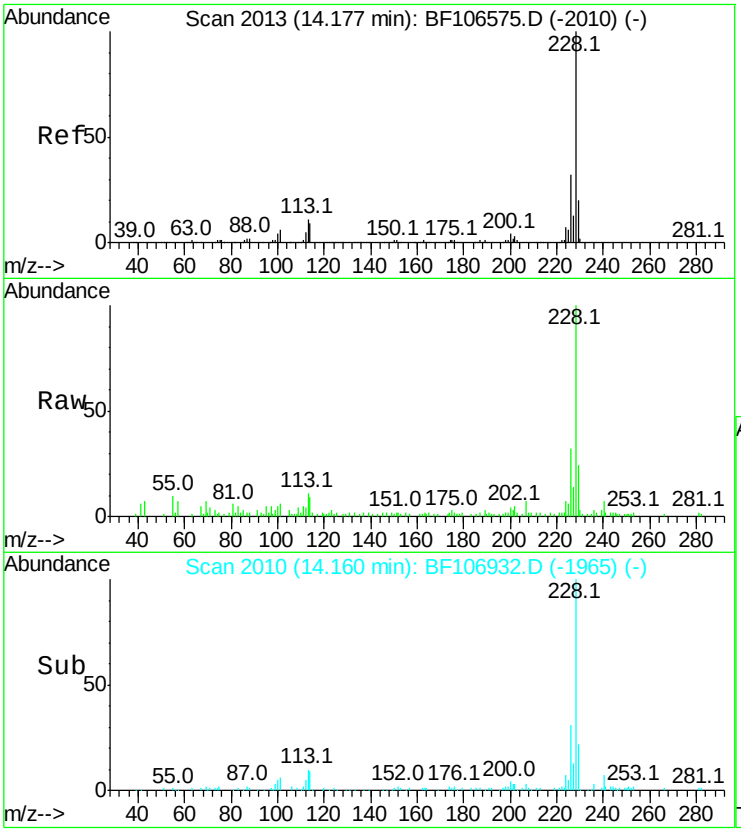


#80
Benzo(a)anthracene
Concen: 2.256 ng
RT: 14.12 min Scan# 2004
Delta R.T. -0.03 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

Tgt Ion:228 Resp: 30812

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	22.4	15.8	23.6

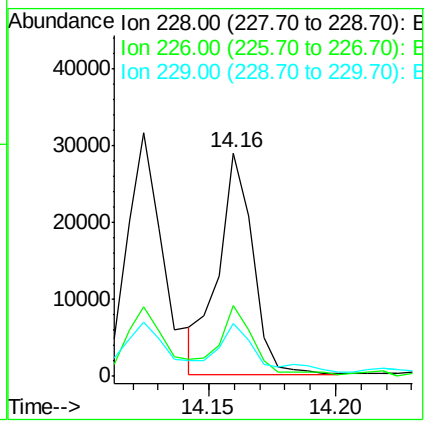




#82
Chrysene
Concen: 2.179 ng
RT: 14.16 min Scan# 2010
Delta R.T. -0.04 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

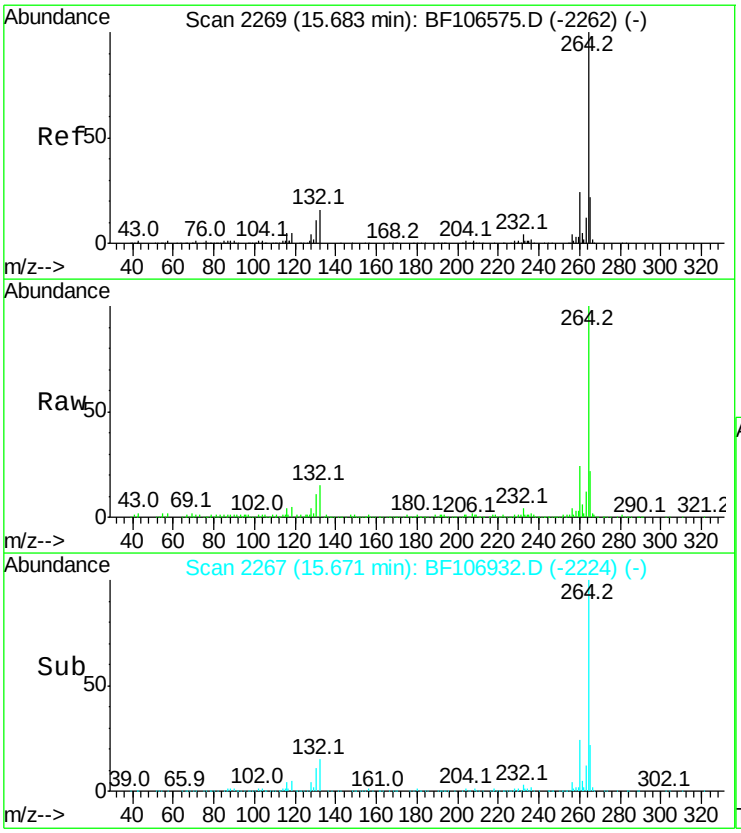
Tgt Ion:228 Resp: 27378

Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.0	37.6
229	23.8	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
JC-02-062618-H

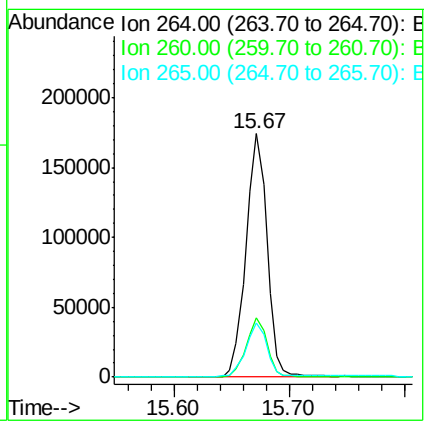
Manual Integrations APPROVED
Sohil
6/29/2018 2:30:48 PM

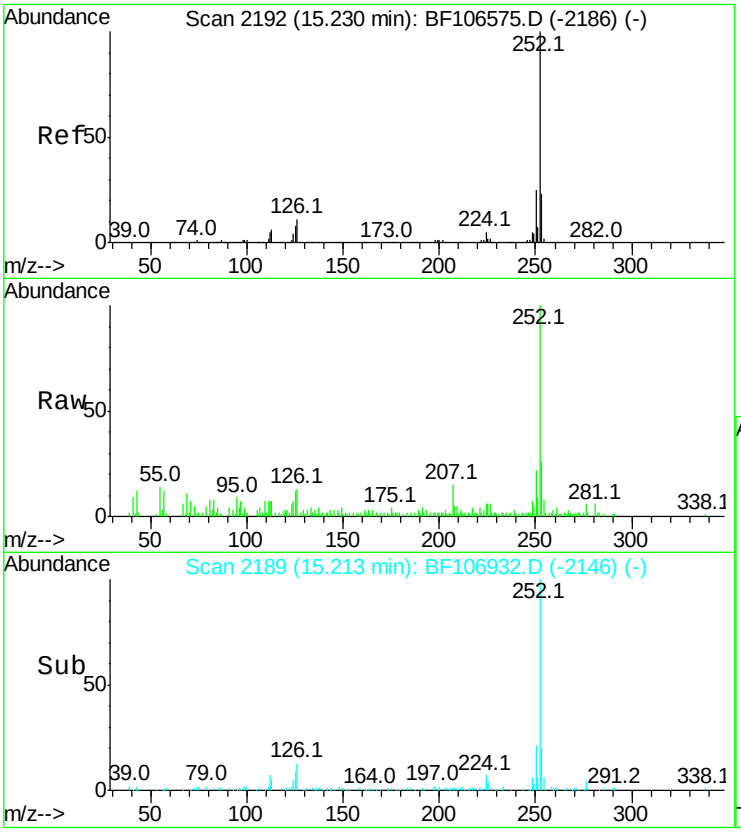


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2267
Delta R.T. -0.05 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

Tgt Ion:264 Resp: 223437

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.0	17.5	26.3

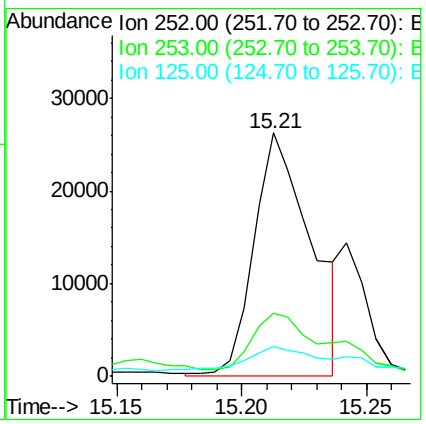




#87
Benzo(b)fluoranthene
Concen: 3.021 ng m
RT: 15.21 min Scan# 2189
Delta R.T. -0.05 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

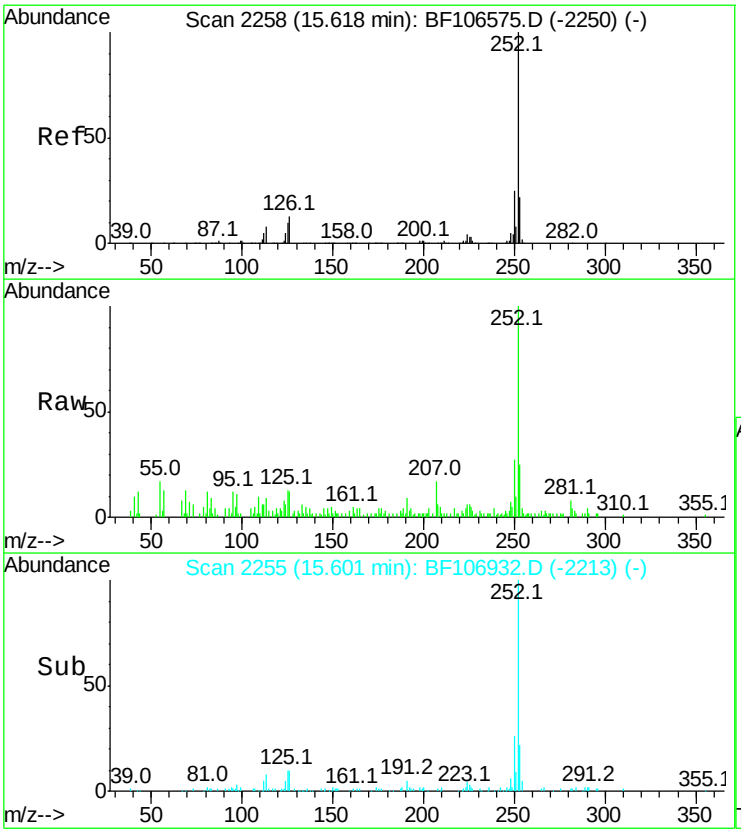
Tgt Ion:252 Resp: 41937

Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.0	25.6#
125	12.3	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
JC-02-062618-H

Manual Integrations APPROVED
Sohil
6/29/2018 2:30:48 PM



#89
Benzo(a)pyrene
Concen: 2.274 ng
RT: 15.60 min Scan# 2255
Delta R.T. -0.05 min
Lab File: BF106932.D
Acq: 28 Jun 2018 20:29

Tgt Ion:252 Resp: 28058

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.1	25.7
125	13.3	9.8	14.6