Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083019.D
Acq On : 18 Nov 2015 20:29
Operator : UM/IZ
Sample : G4453-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CWC-MISC-1-20151116

Manual Integrations APPROVED
Mmdadoda
11/19/2015 6:44:45 PM

Quant Time: Nov 19 03:13:11 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 18 13:32:32 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	150714	20.00	ng		-0.01
21) Naphthalene-d8	8.02	136	598956	20.00	ng		0.00
38) Acenaphthene-d10	9.77	164	318798	20.00	ng		-0.01
63) Phenanthrene-d10	11.24	188	509803	20.00	ng		-0.01
75) Chrysene-d12	13.87	240	401509	20.00	ng		-0.02
86) Perylene-d12	15.27	264	305366	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.33	112	1209790	124.90	ng		0.00
7) Phenol-d6	6.38	99	1558789	121.05	ng		-0.01
23) Nitrobenzene-d5	7.30	82	1145619	83.23	ng		-0.01
41) 2,4,6-Tribromophenol	10.56	330	345797	94.60	ng		-0.01
44) 2-Fluorobiphenyl	9.09	172	1353927	60.87	ng		-0.01
78) Terphenyl-d14	12.83	244	1170149	69.12	ng		-0.01
Target Compounds							Qvalue
49) Dimethylphthalate	9.49	163	397008	15.20	ng		98
70) Phenanthrene	11.26	178	181972	6.15	ng		96
74) Fluoranthene	12.45	202	216702	6.82	ng		95
77) Pyrene	12.67	202	187031	6.78	ng		93
80) Benzo(a)anthracene	13.86	228	84881	3.38	ng		99
82) Chrysene	13.89	228	63167	2.75	ng		95
87) Benzo(b)fluoranthene	14.88	252	63585m	3.24	ng		
89) Benzo(a)pyrene	15.20	252	41861	2.47	ng	#	93

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083019.D
Acq On : 18 Nov 2015 20:29
Operator : UM/IZ
Sample : G4453-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 19 03:13:11 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 18 13:32:32 2015
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
CWC-MISC-1-20151116

Manual Integrations APPROVED
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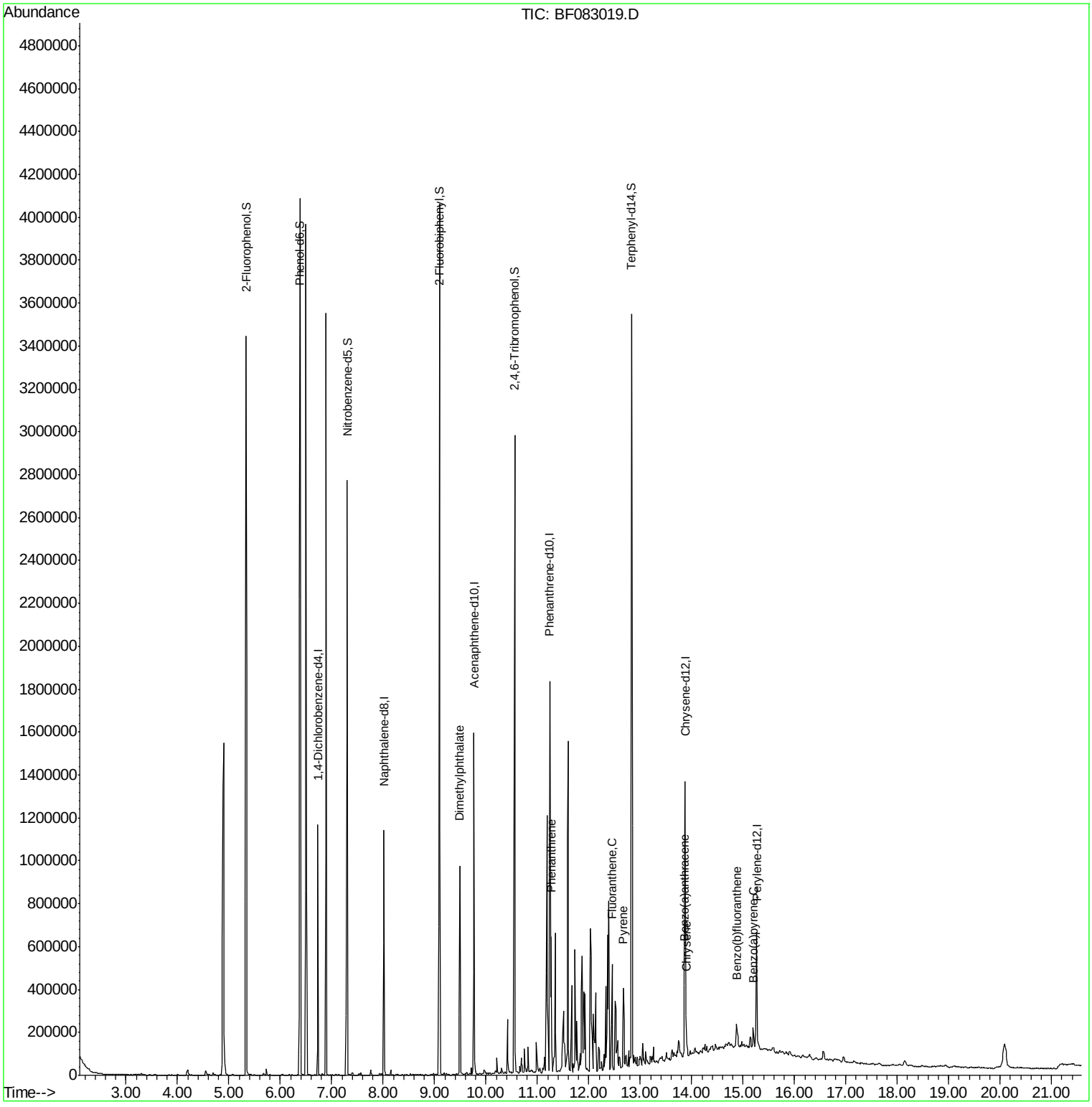
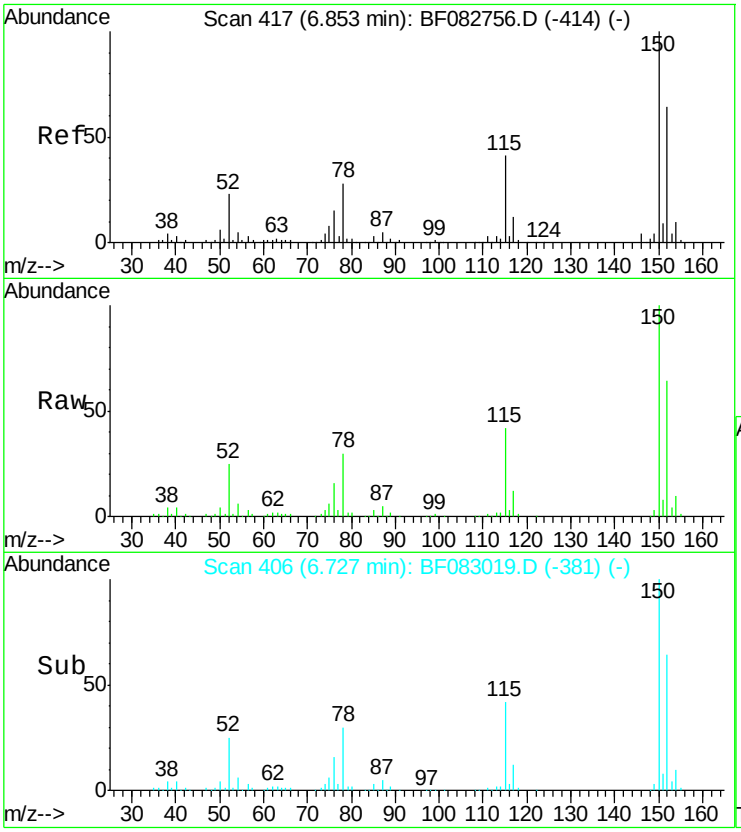
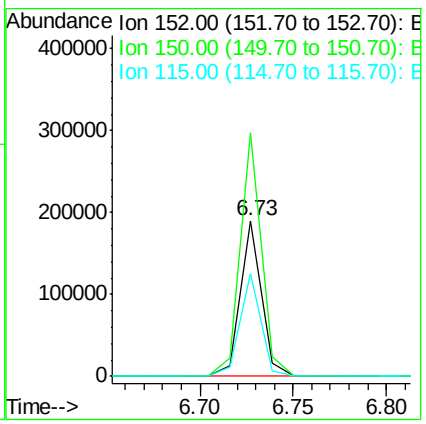




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.01 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Tgt Ion:152 Resp: 150714

Ion	Ratio	Lower	Upper
152	100		
150	156.3	127.0	190.4
115	66.1	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
CWC-MISC-1-20151116

Manual Integrations APPROVED
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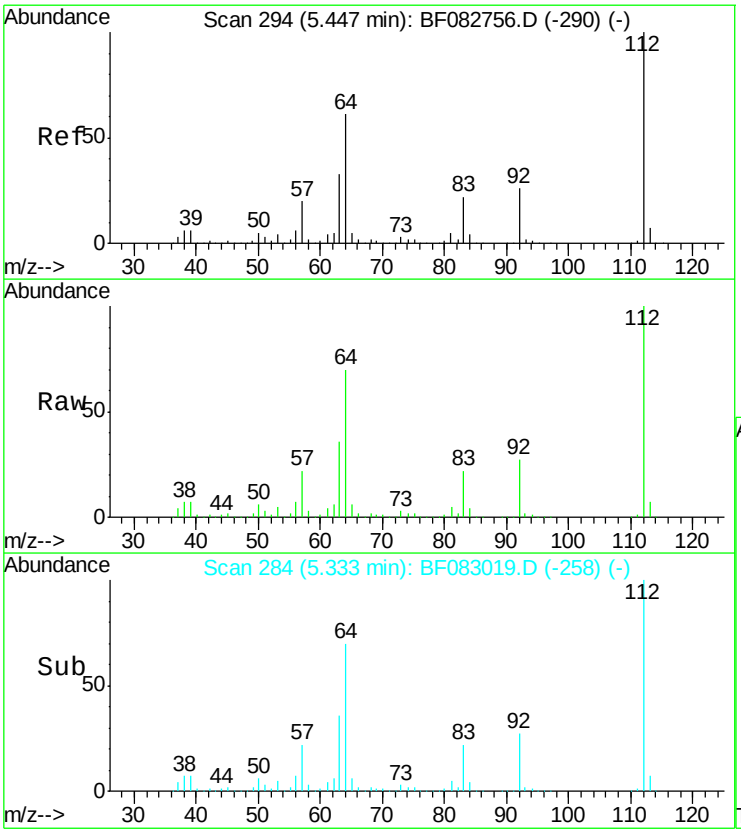
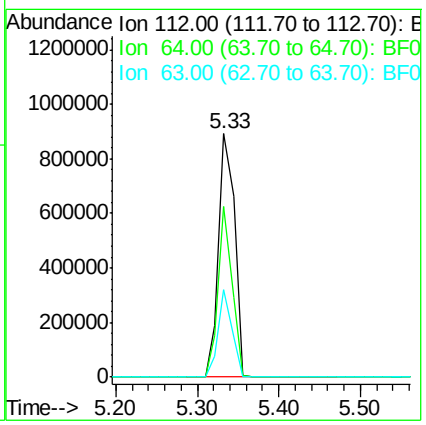
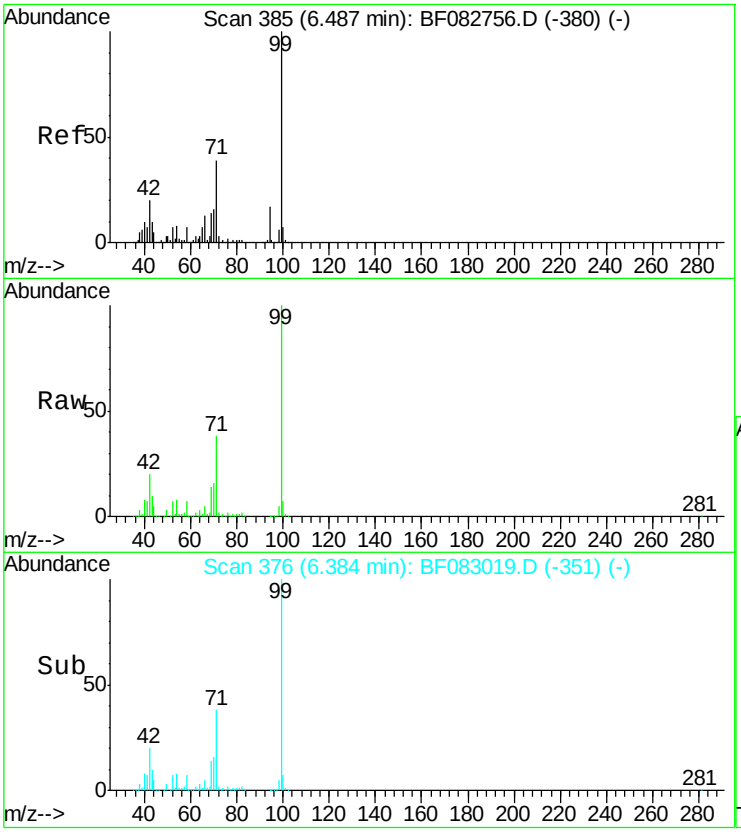


#5
2-Fluorophenol
Concen: 124.90 ng
RT: 5.33 min Scan# 284
Delta R.T. -0.00 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Tgt Ion:112 Resp: 1209790

Ion	Ratio	Lower	Upper
112	100		
64	70.3	48.9	73.3
63	36.1	28.1	42.1

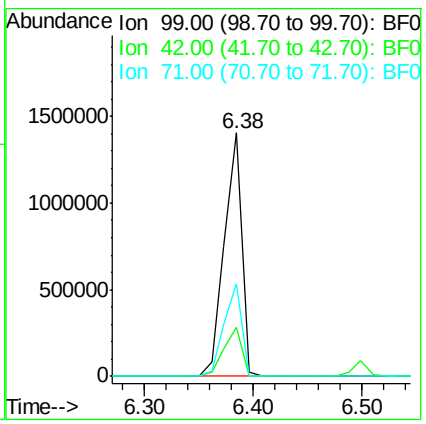




#7
Phenol-d6
Concen: 121.05 ng
RT: 6.38 min Scan# 376
Delta R.T. -0.01 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Tgt Ion: 99 Resp: 1558789

Ion	Ratio	Lower	Upper
99	100		
42	20.1	19.2	28.8
71	38.1	35.0	52.4



Instrument :
BNA_F
ClientSampleId :
CWC-MISC-1-20151116

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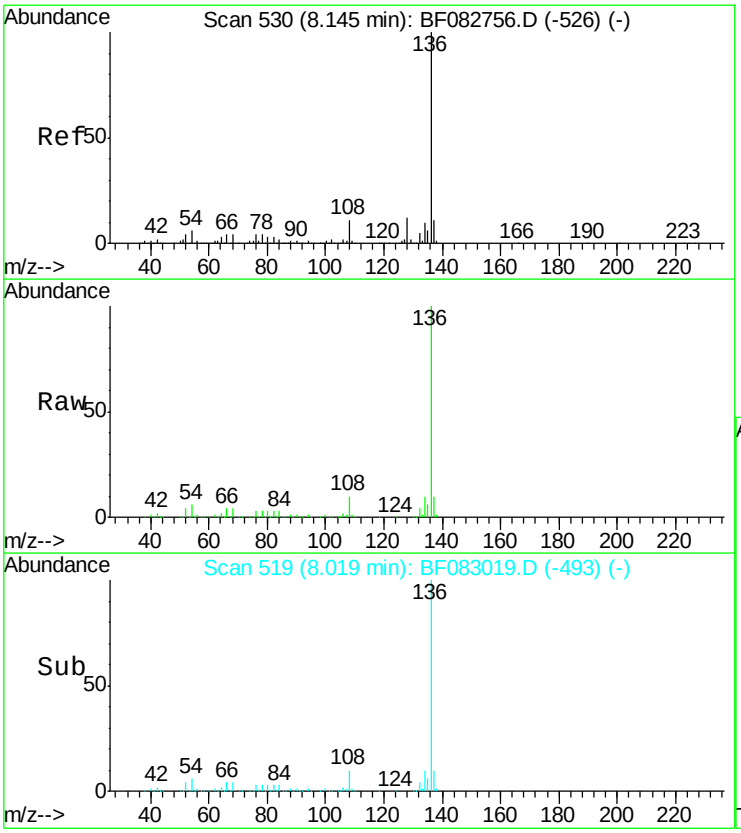
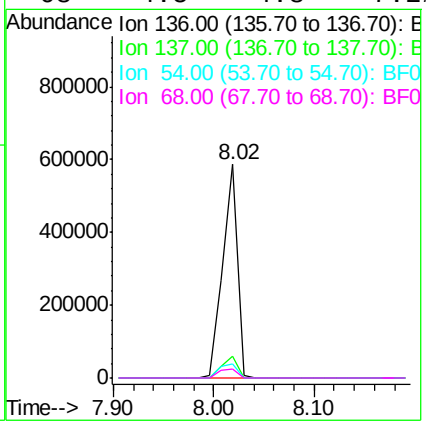
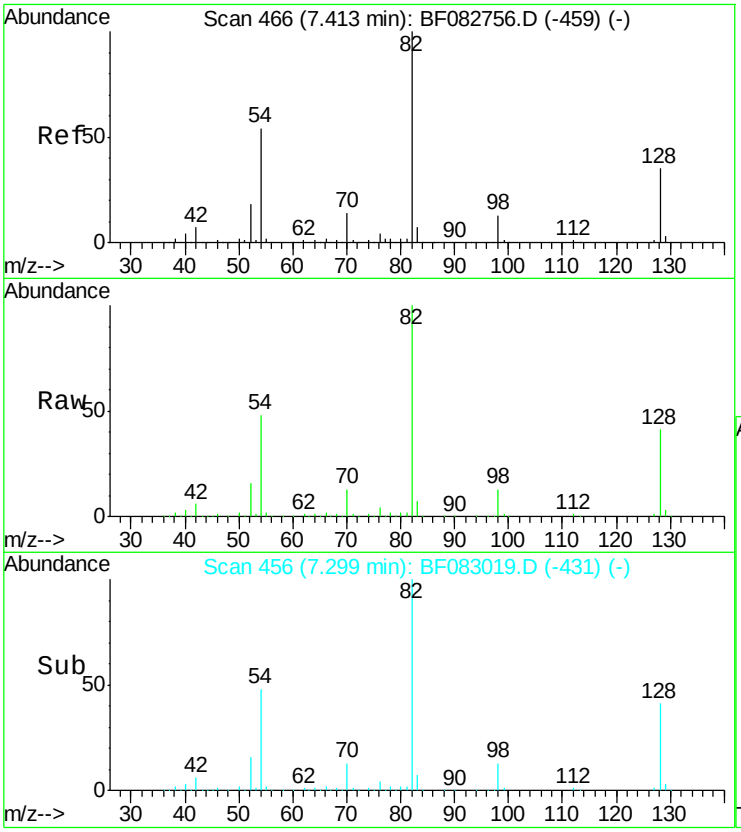


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.00 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Tgt Ion:136 Resp: 598956

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	6.4	9.1	13.7#
68	4.5	4.8	7.2#

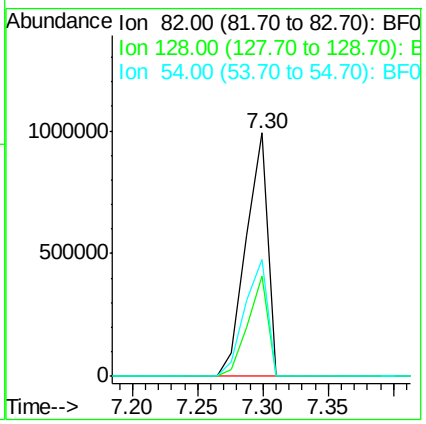




#23
Nitrobenzene-d5
Concen: 83.23 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Tgt Ion: 82 Resp: 1145619

Ion	Ratio	Lower	Upper
82	100		
128	41.0	26.8	40.2#
54	48.2	45.7	68.5



Instrument :
BNA_F
ClientSampleId :
CWC-MISC-1-20151116

Manual Integrations APPROVED
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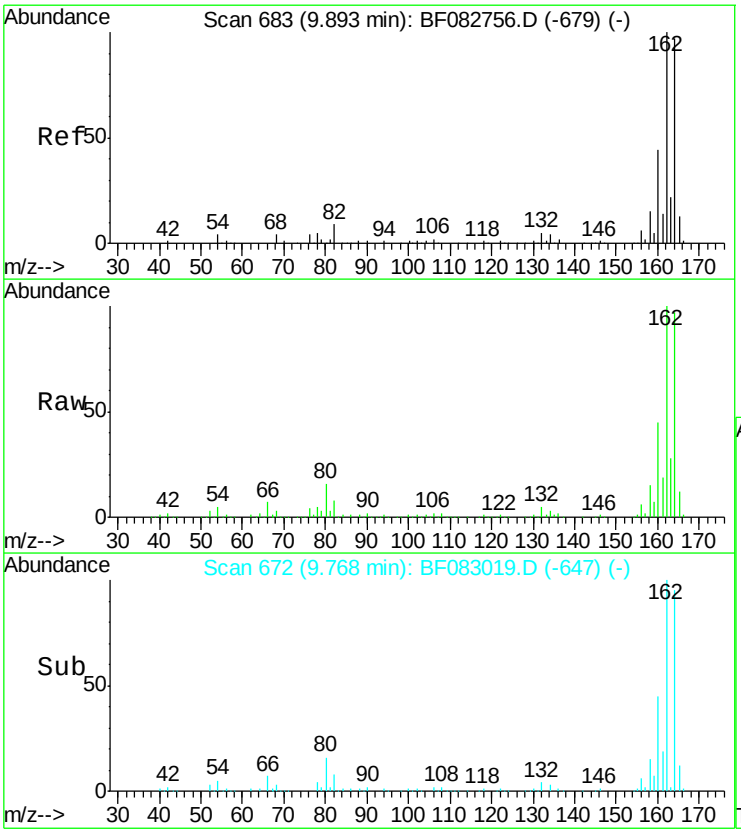
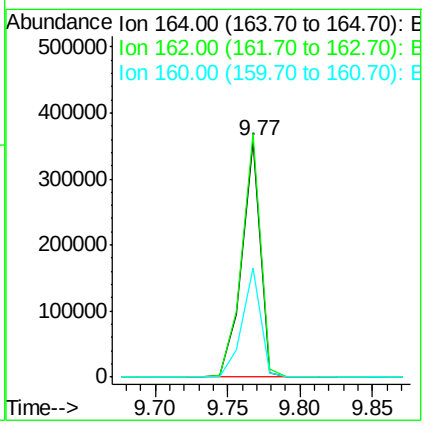
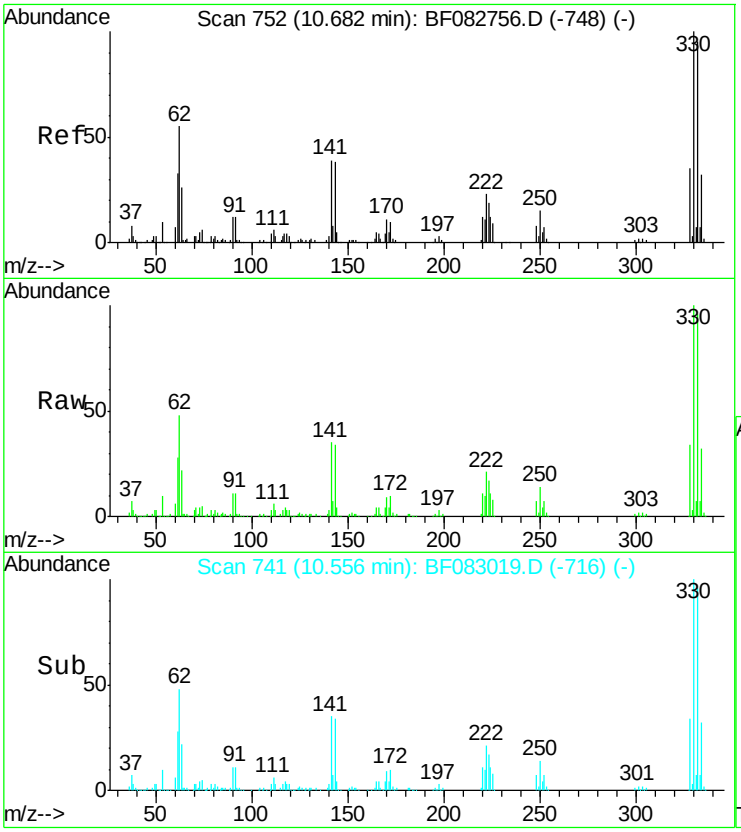


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.01 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Tgt Ion:164 Resp: 318798

Ion	Ratio	Lower	Upper
164	100		
162	103.0	84.9	127.3
160	46.0	37.5	56.3

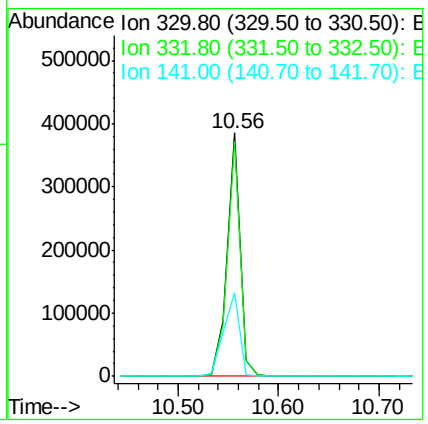




#41
2,4,6-Tribromophenol
Concen: 94.60 ng
RT: 10.56 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Tgt Ion:330 Resp: 345797

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	114.8
141	41.7	41.2	61.8



Instrument :
BNA_F
ClientSampleId :
CWC-MISC-1-20151116

Manual Integrations APPROVED
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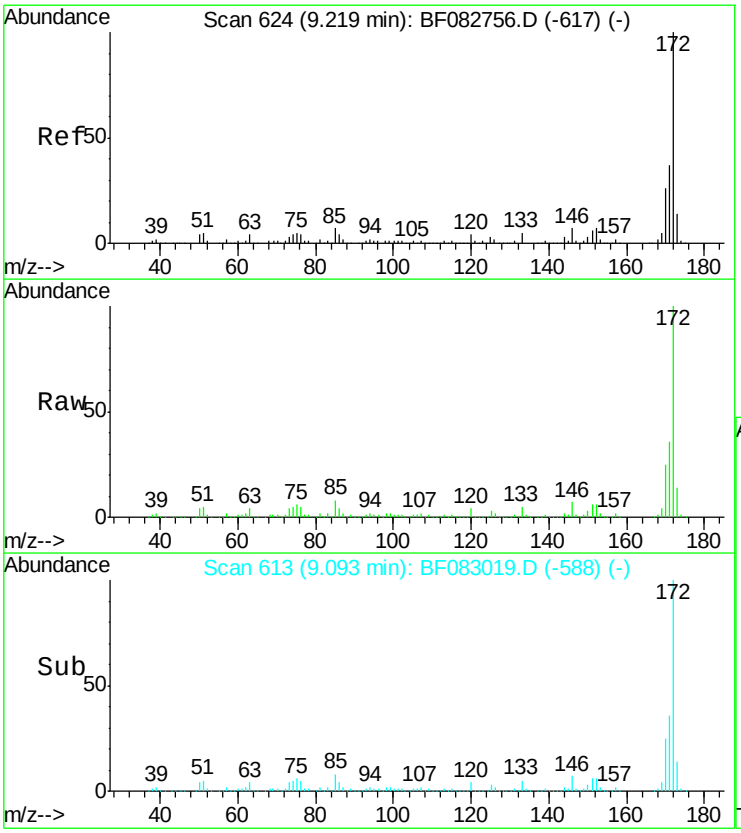
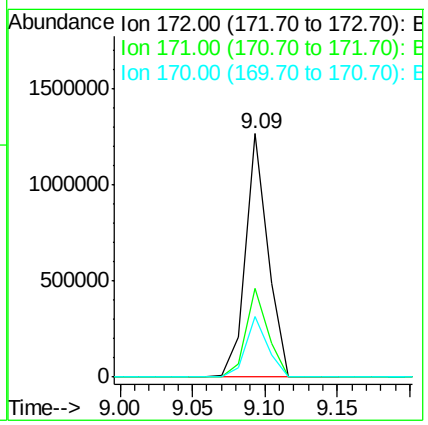
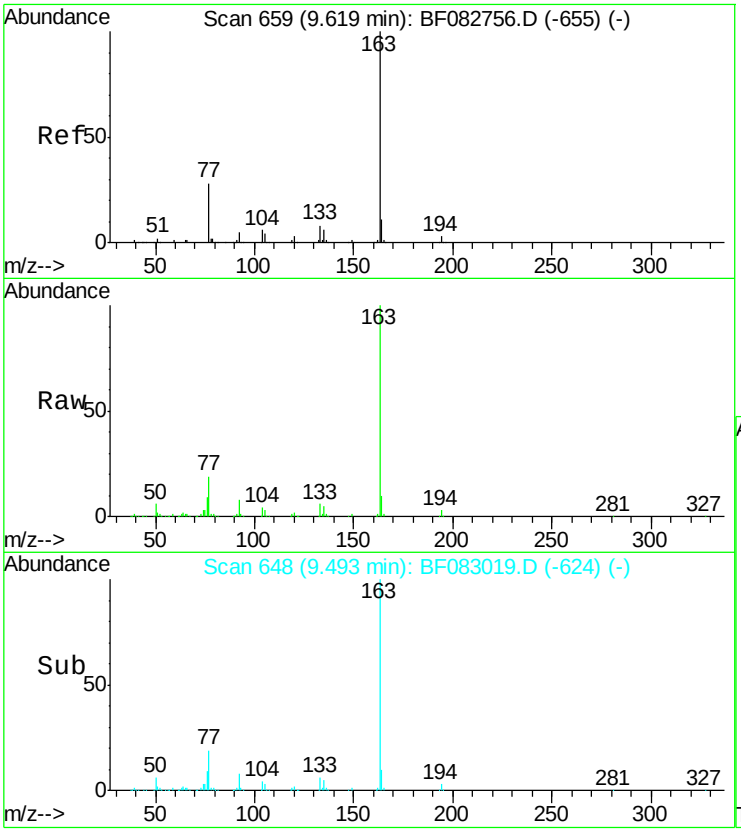


#44
2-Fluorobiphenyl
Concen: 60.87 ng
RT: 9.09 min Scan# 613
Delta R.T. -0.01 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Tgt Ion:172 Resp: 1353927

Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.8	46.2
170	24.7	21.2	31.8

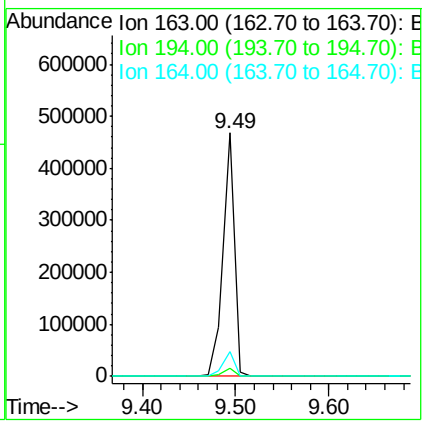




#49
Dimethylphthalate
Concen: 15.20 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Tgt Ion:163 Resp: 397008

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.1	8.7	13.1



Instrument :
BNA_F
ClientSampleId :
CWC-MISC-1-20151116

Manual Integrations APPROVED
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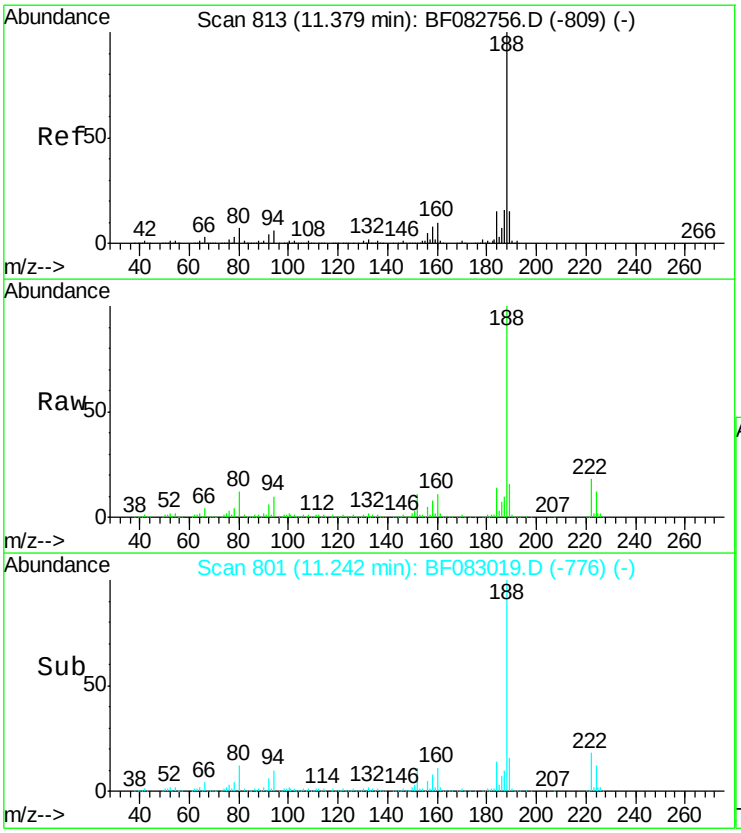
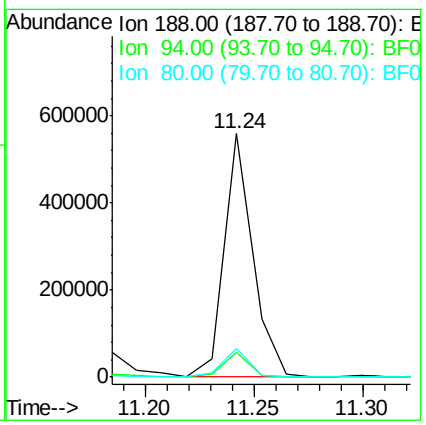
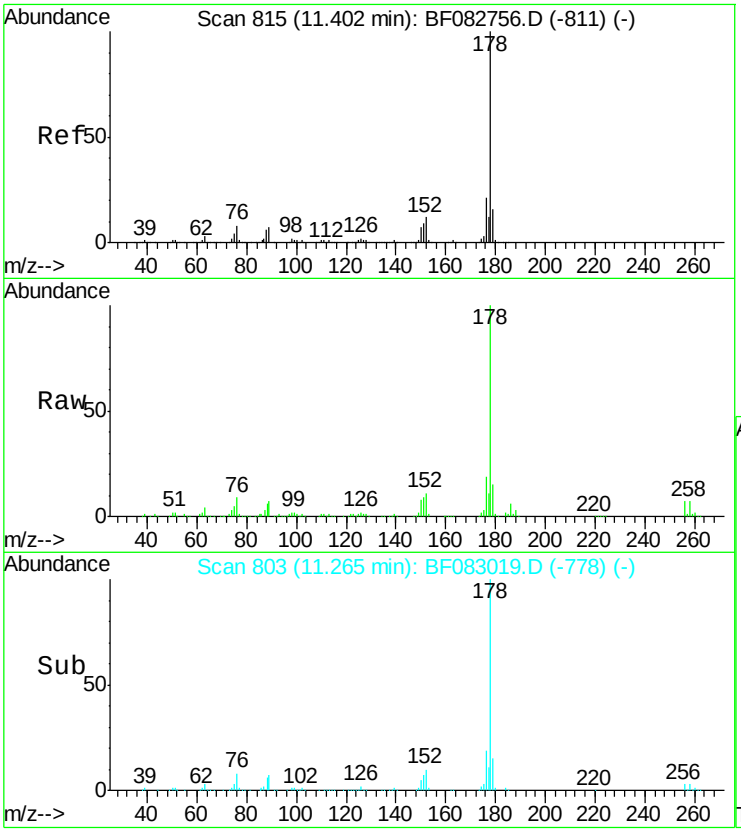


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Tgt Ion:188 Resp: 509803

Ion	Ratio	Lower	Upper
188	100		
94	10.4	6.1	9.1#
80	11.9	7.0	10.6#

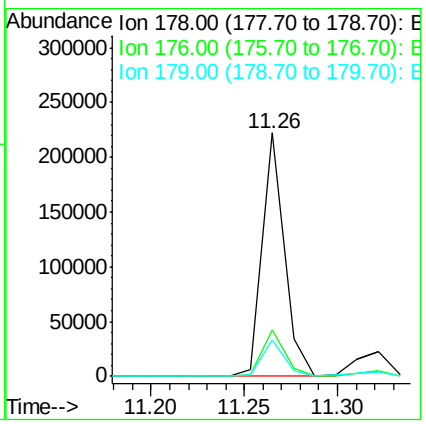




#70
Phenanthrene
Concen: 6.15 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Tgt Ion:178 Resp: 181972

Ion	Ratio	Lower	Upper
178	100		
176	18.9	17.0	25.4
179	15.1	13.4	20.0



Instrument :
BNA_F
ClientSampleId :
CWC-MISC-1-20151116

Manual Integrations APPROVED
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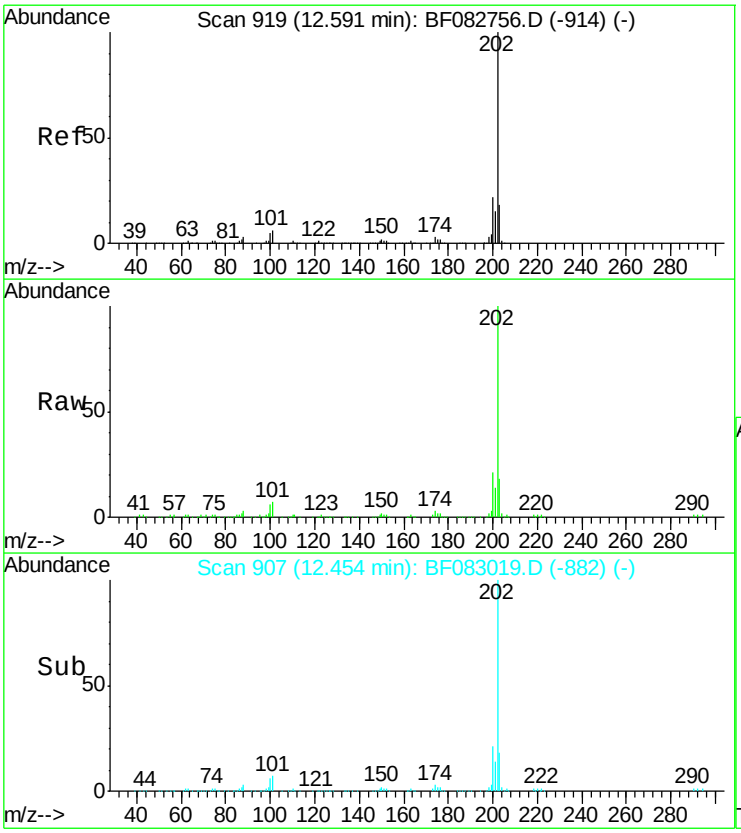
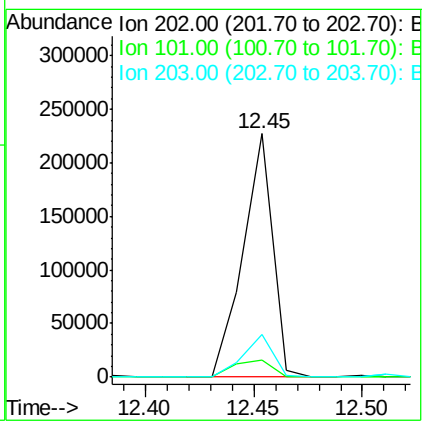
11/19/2015 6:44:45 PM

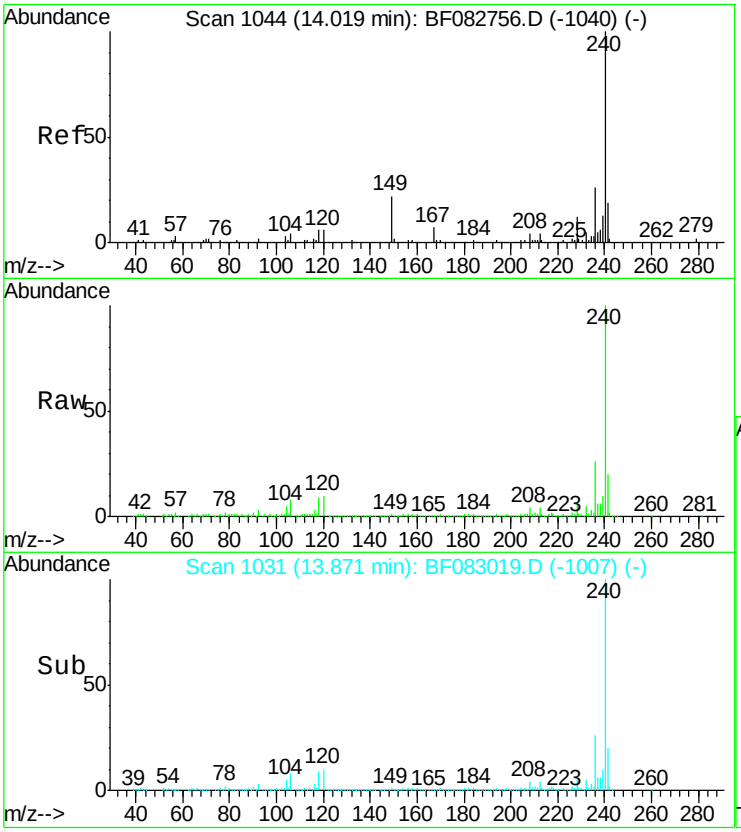


#74
Fluoranthene
Concen: 6.82 ng
RT: 12.45 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Tgt Ion:202 Resp: 216702

Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	30.5
203	17.5	0.0	38.5

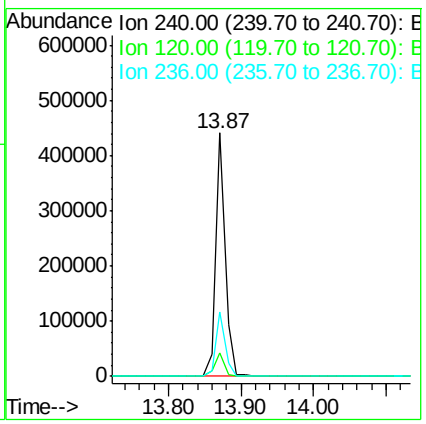




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.87 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Tgt Ion:240 Resp: 401509

Ion	Ratio	Lower	Upper
240	100		
120	9.9	10.9	16.3#
236	26.4	21.6	32.4



Instrument :
BNA_F
ClientSampleId :
CWC-MISC-1-20151116

Manual Integrations APPROVED
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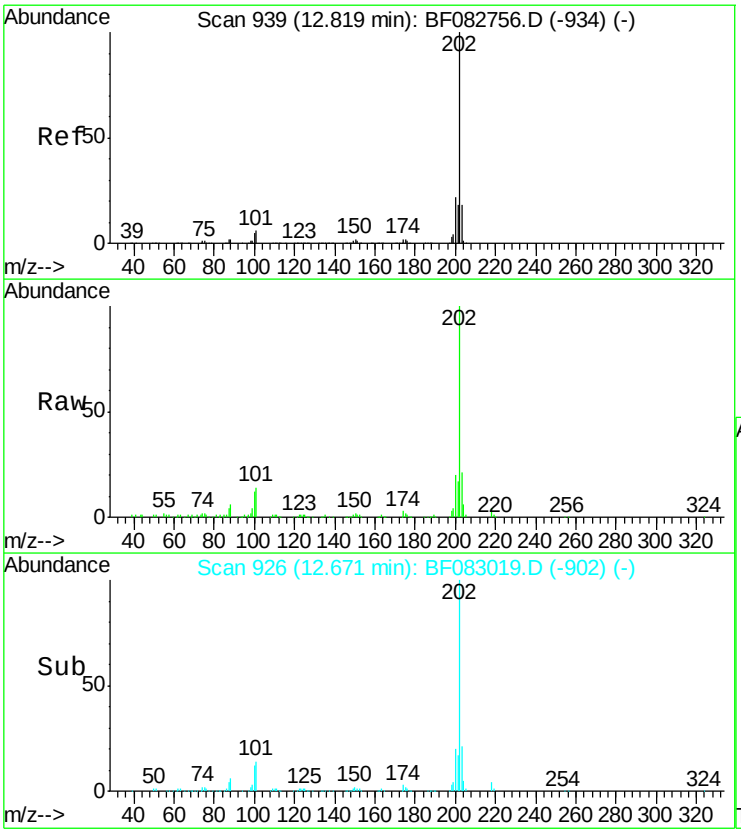
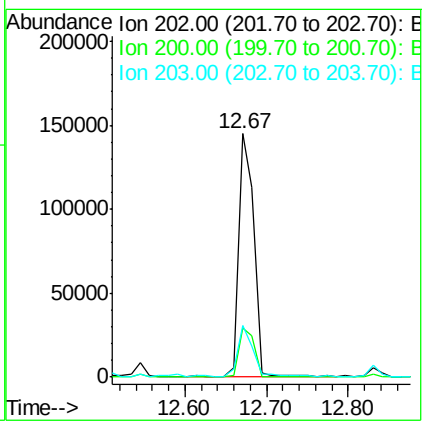
11/19/2015 6:44:45 PM

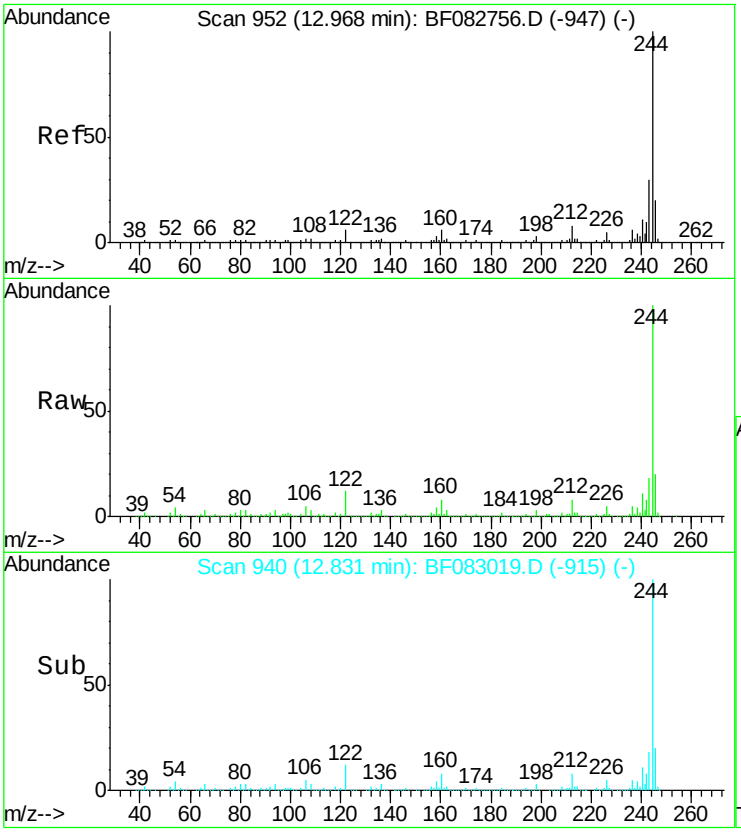


#77
Pyrene
Concen: 6.78 ng
RT: 12.67 min Scan# 926
Delta R.T. -0.02 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Tgt Ion:202 Resp: 187031

Ion	Ratio	Lower	Upper
202	100		
200	20.0	18.7	28.1
203	21.4	14.8	22.2

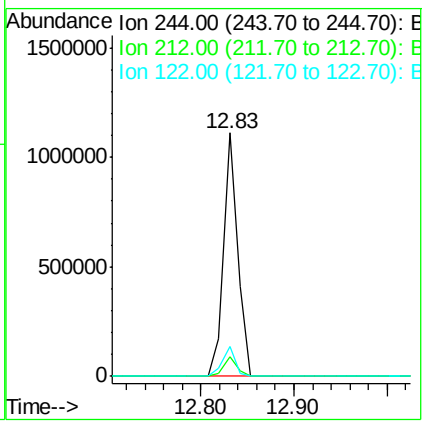




#78
Terphenyl-d14
Concen: 69.12 ng
RT: 12.83 min Scan# 940
Delta R.T. -0.01 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

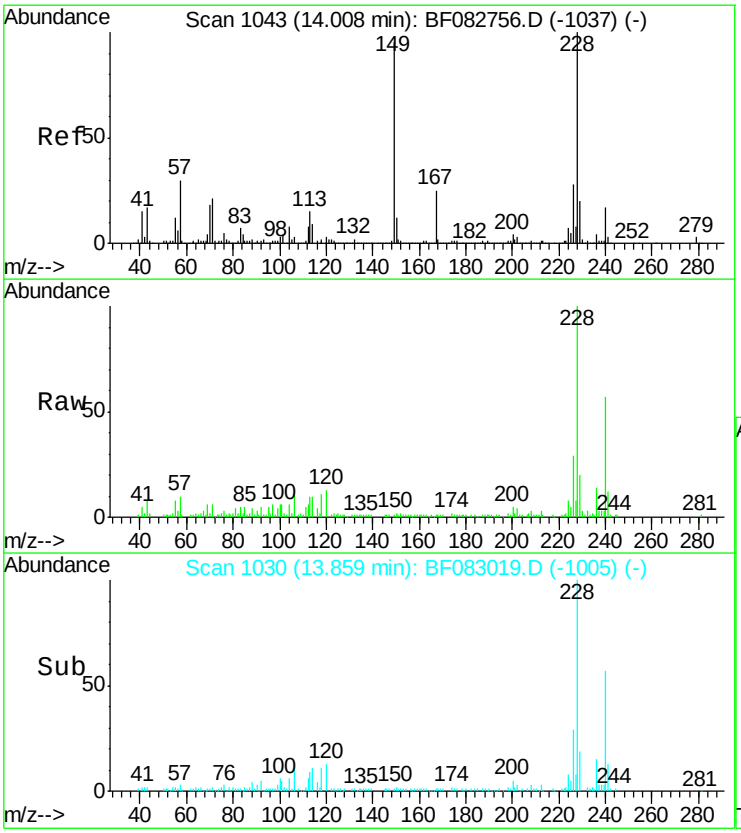
Tgt Ion:244 Resp: 1170149

Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.6	11.4
122	12.5	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
CWC-MISC-1-20151116

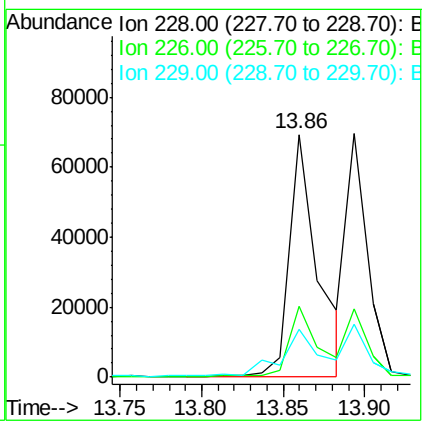
Manual Integrations APPROVED
Mmdadoda
11/19/2015 6:44:45 PM

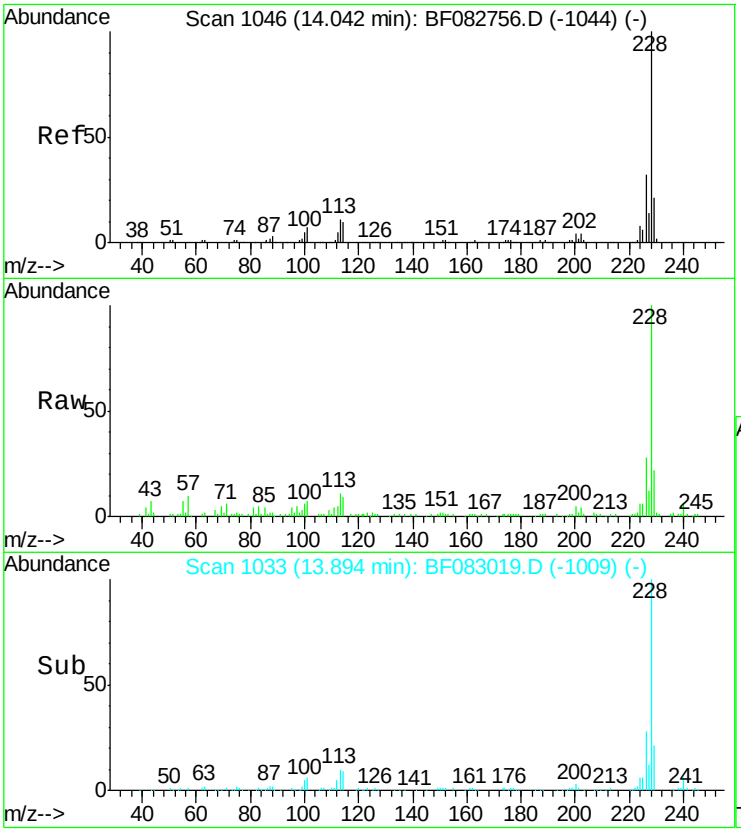


#80
Benzo(a)anthracene
Concen: 3.38 ng
RT: 13.86 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Tgt Ion:228 Resp: 84881

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.4	35.2
229	19.9	16.3	24.5

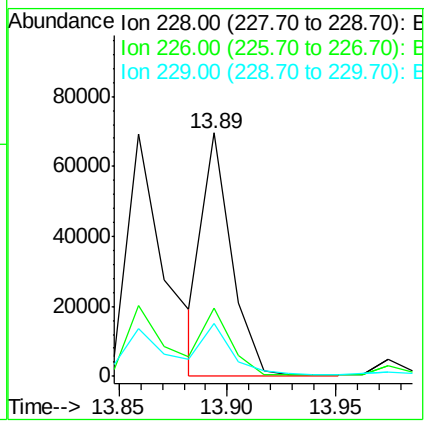




#82
Chrysene
Concen: 2.75 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Tgt Ion:228 Resp: 63167

Ion	Ratio	Lower	Upper
228	100		
226	28.0	25.5	38.3
229	21.7	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
CWC-MISC-1-20151116

Manual Integrations APPROVED
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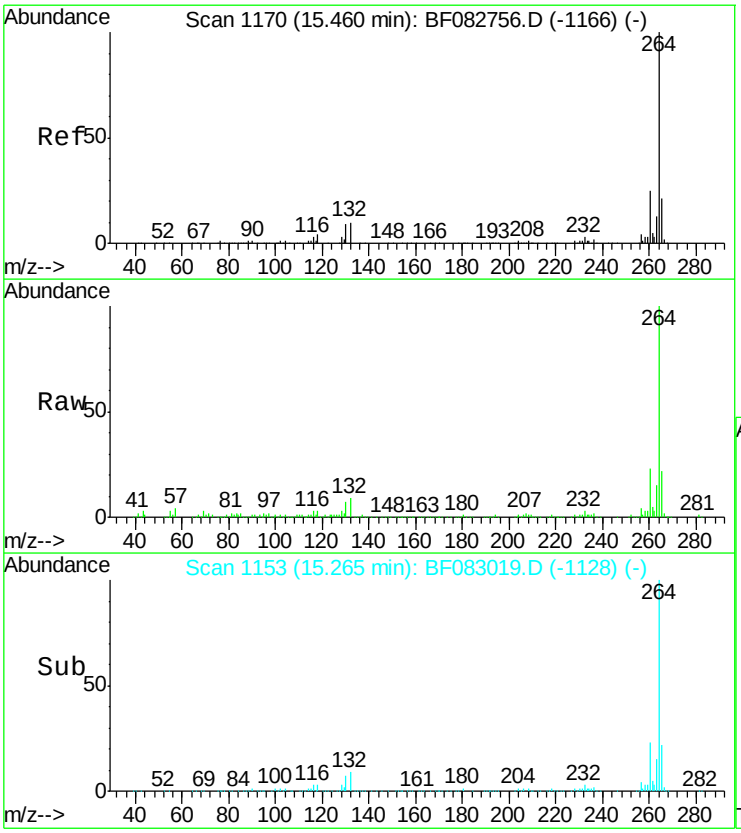
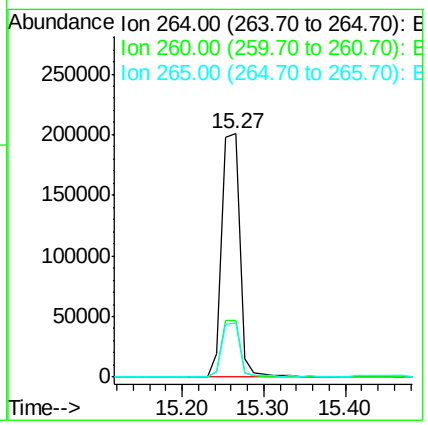
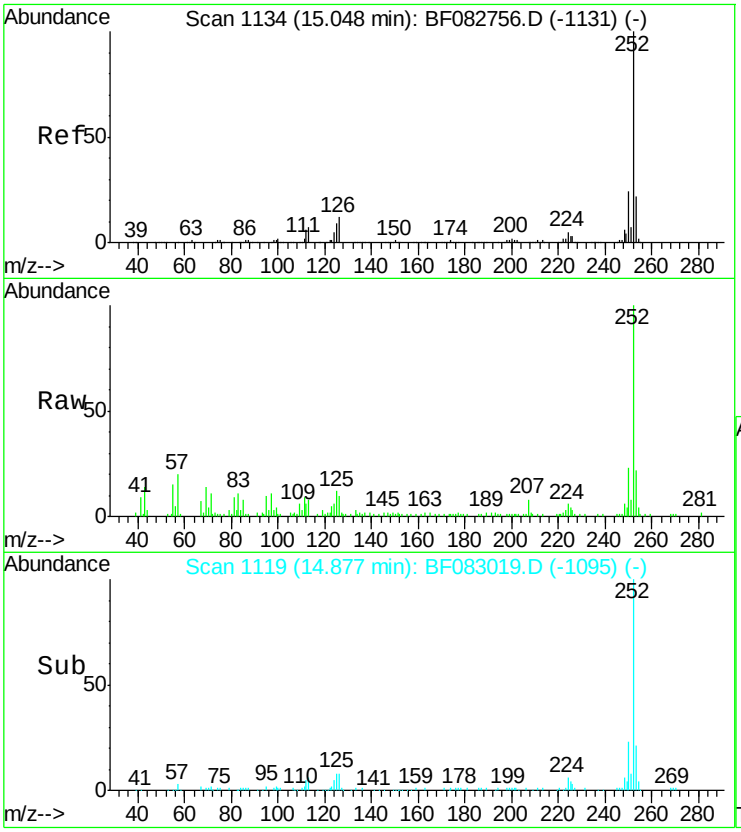


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Tgt Ion:264 Resp: 305366

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.8	29.6
265	22.2	17.4	26.0





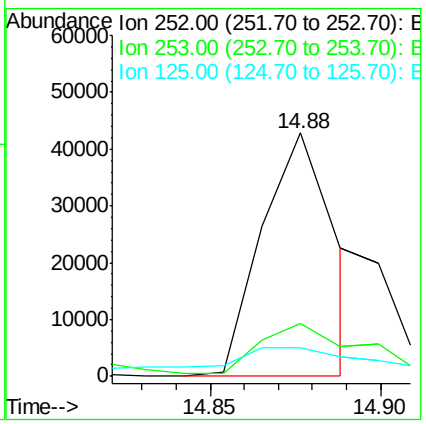
#87
Benzo(b)fluoranthene
Concen: 3.24 ng m
RT: 14.88 min Scan# 1119
Delta R.T. -0.02 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

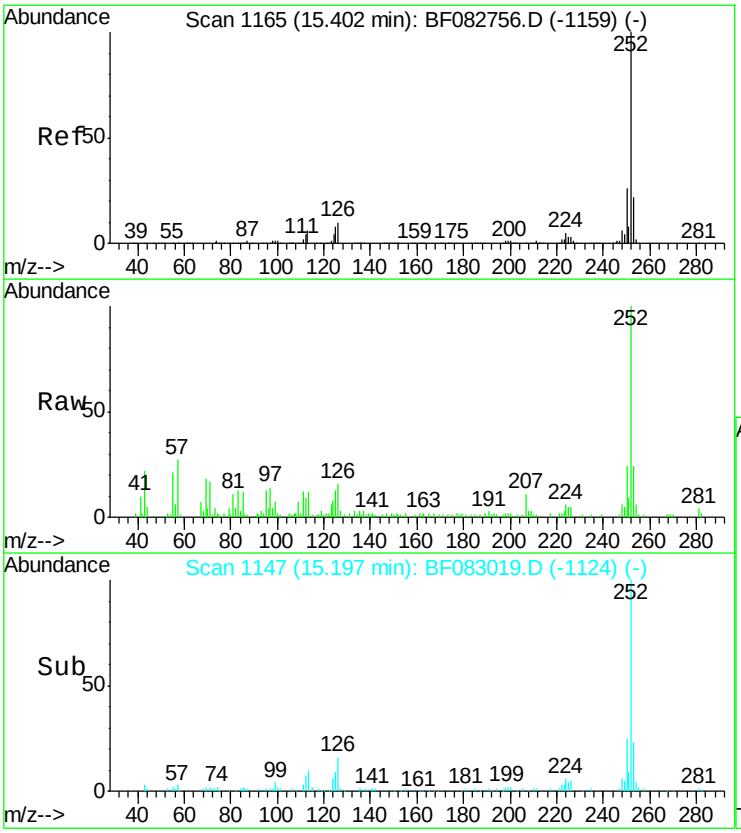
Tgt Ion:252 Resp: 63585

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	12.0	5.4	8.2#

Instrument :
BNA_F
ClientSampleId :
CWC-MISC-1-20151116

Manual Integrations APPROVED
Mmdadoda
11/19/2015 6:44:45 PM





#89
Benzo(a)pyrene
Concen: 2.47 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.03 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Tgt Ion:252 Resp: 41861

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.3	25.9
125	13.4	7.1	10.7#