Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081261.D
Acq On : 28 Aug 2015 4:13
Operator : UM/IZ
Sample : G3430-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB4(3-4)

Manual Integrations APPROVED
MMDadoda
8/28/2015 2:23:10 PM

Quant Time: Aug 28 04:53:53 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 28 03:32:45 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	44822	20.00	ng		0.00
21) Naphthalene-d8	7.79	136	174209	20.00	ng		0.00
38) Acenaphthene-d10	9.53	164	91389	20.00	ng		0.00
63) Phenanthrene-d10	10.99	188	167282	20.00	ng		-0.01
75) Chrysene-d12	13.61	240	145266	20.00	ng		0.00
86) Perylene-d12	14.94	264	97231	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.06	112	288221	96.72	ng		0.01
7) Phenol-d6	6.16	99	460891	118.54	ng		0.00
23) Nitrobenzene-d5	7.07	82	250249	65.62	ng		-0.01
41) 2,4,6-Tribromophenol	10.32	330	85736	108.23	ng		0.00
44) 2-Fluorobiphenyl	8.87	172	414741	59.46	ng		-0.01
78) Terphenyl-d14	12.58	244	407479	60.14	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	9.27	163	65010	8.64	ng		99
70) Phenanthrene	11.02	178	69456	7.01	ng		98
74) Fluoranthene	12.20	202	80913	7.56	ng		95
77) Pyrene	12.42	202	65399	5.54	ng		98
80) Benzo(a)anthracene	13.60	228	29645m	3.04	ng		
82) Chrysene	13.64	228	26581m	3.03	ng		
87) Benzo(b)fluoranthene	14.60	252	24377m	3.54	ng		
89) Benzo(a)pyrene	14.88	252	15665	2.61	ng	#	95

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081261.D
Acq On : 28 Aug 2015 4:13
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SB4(3-4)

Manual Integrations APPROVED
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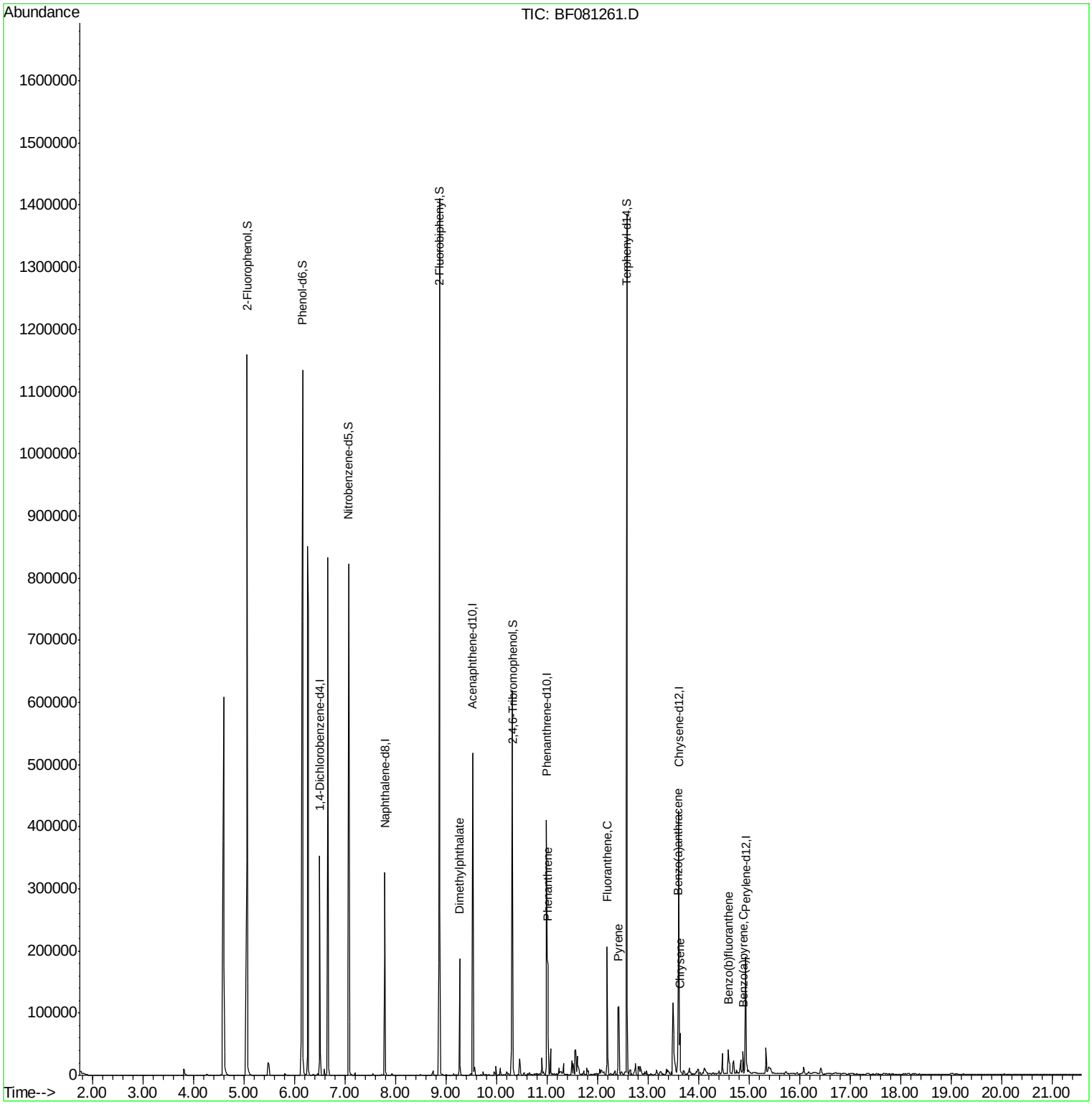
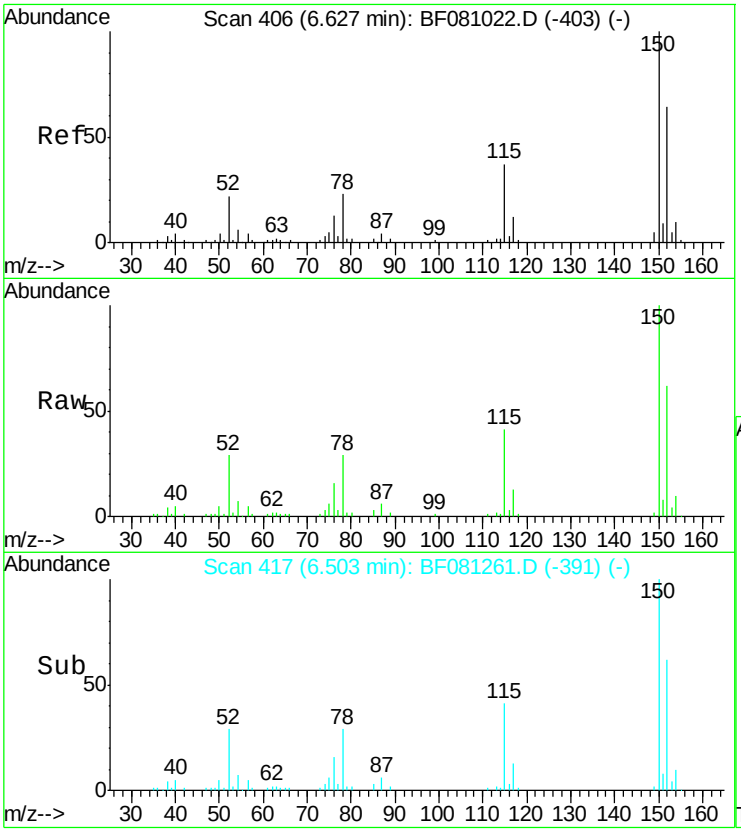
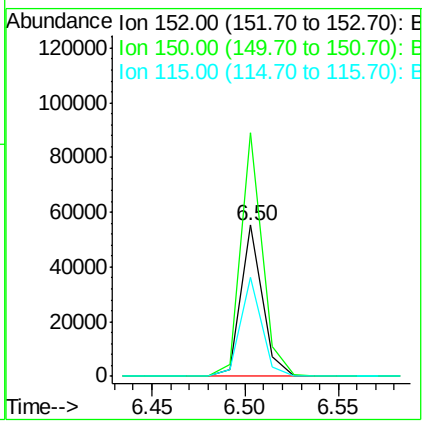




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.50 min Scan# 417
Delta R.T. -0.00 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

Tgt Ion:152 Resp: 44822

Ion	Ratio	Lower	Upper
152	100		
150	161.4	123.8	185.6
115	65.8	52.1	78.1



Instrument :
BNA_F
ClientSampleId :
SB4(3-4)

Manual Integrations APPROVED
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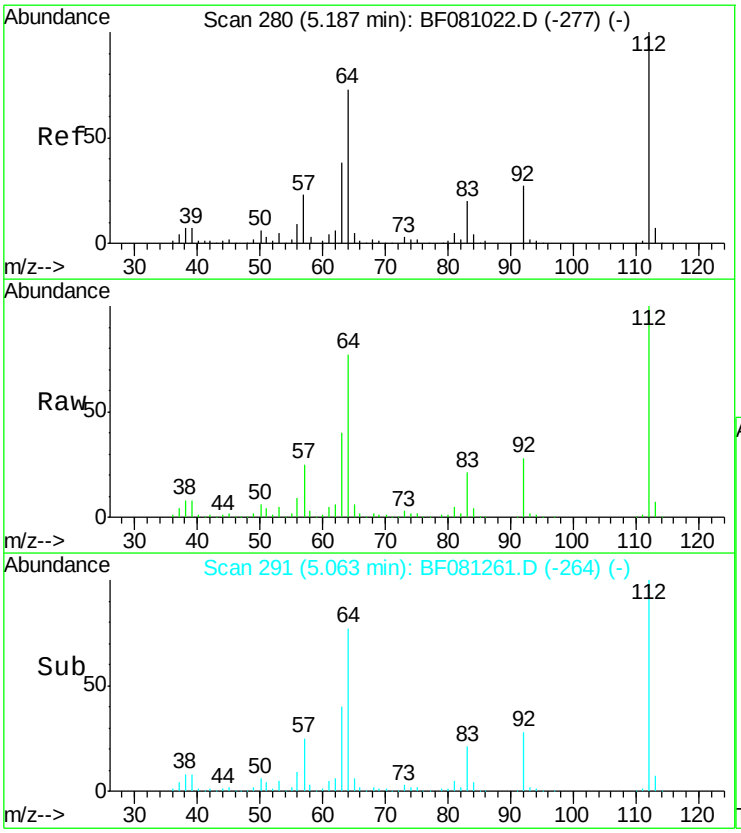
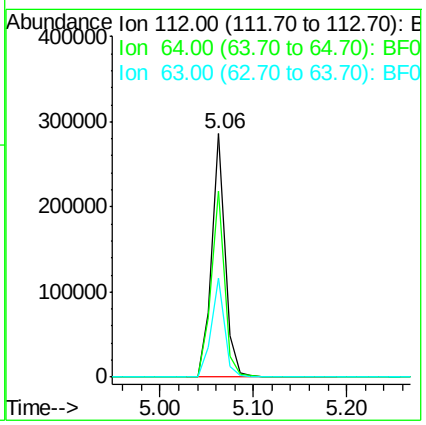
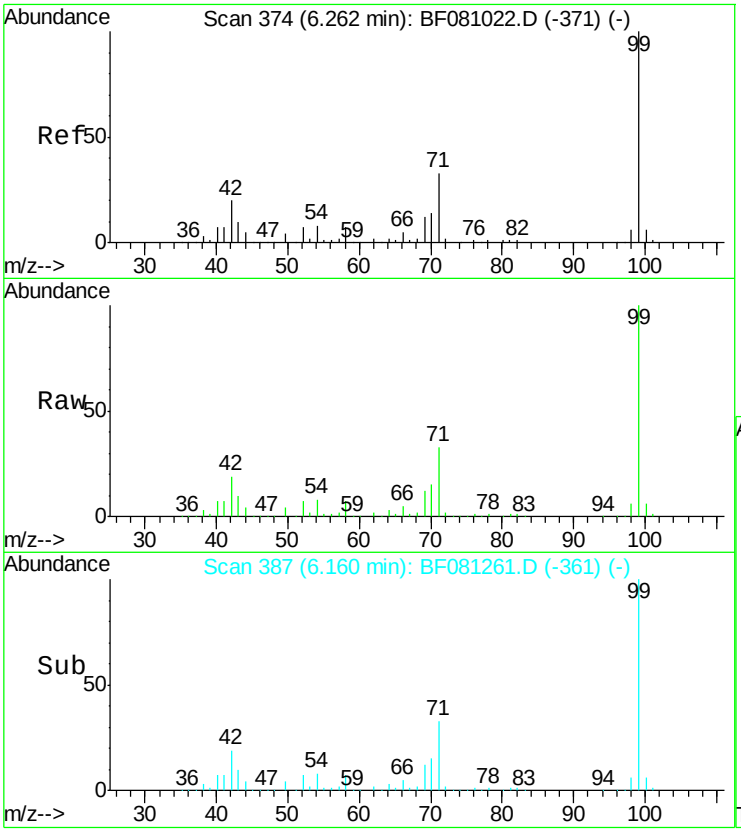


#5
2-Fluorophenol
Concen: 96.72 ng
RT: 5.06 min Scan# 291
Delta R.T. 0.01 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

Tgt Ion:112 Resp: 288221

Ion	Ratio	Lower	Upper
112	100		
64	76.7	66.9	100.3
63	40.5	38.1	57.1





#7
Phenol-d6
Concen: 118.54 ng
RT: 6.16 min Scan# 387
Delta R.T. -0.00 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

Tgt Ion: 99 Resp: 460891

Ion	Ratio	Lower	Upper
99	100		
42	18.9	19.6	29.4#
71	33.4	31.2	46.8

Instrument :
BNA_F
ClientSampleId :
SB4(3-4)

Manual Integrations APPROVED
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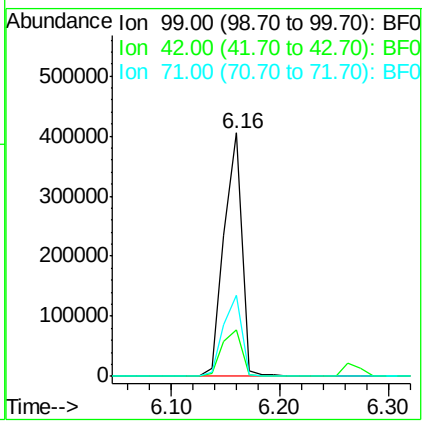
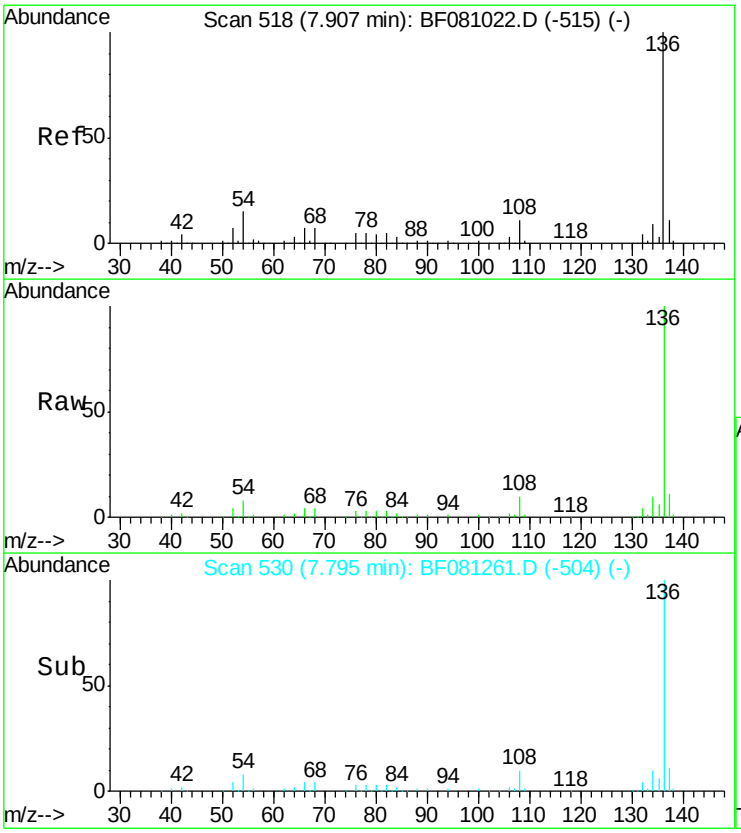
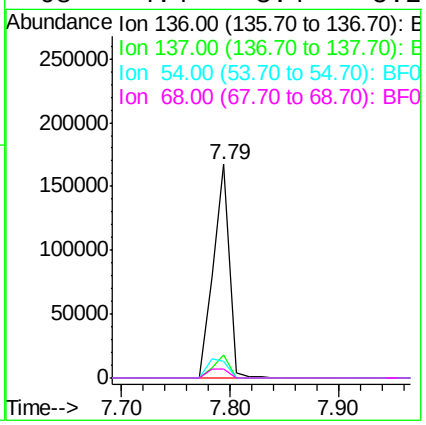


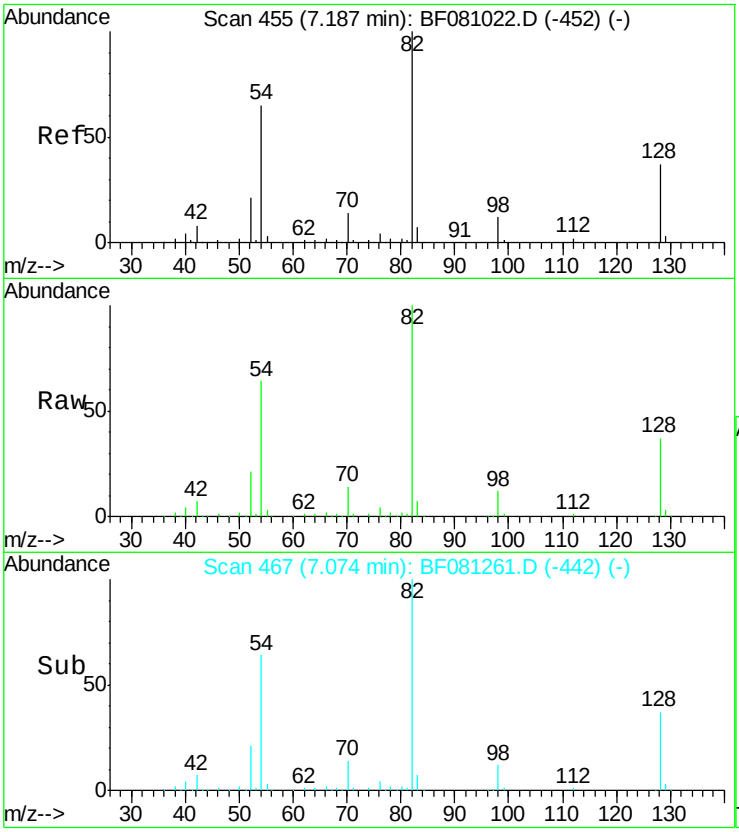


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

Tgt Ion:136 Resp: 174209

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.2	12.2
54	8.1	7.7	11.5
68	4.4	3.4	5.2

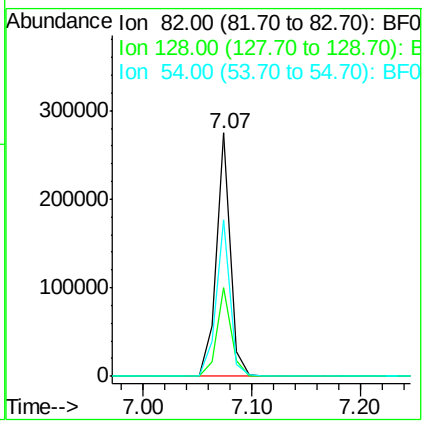




#23
Nitrobenzene-d5
Concen: 65.62 ng
RT: 7.07 min Scan# 467
Delta R.T. -0.01 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

Tgt Ion: 82 Resp: 250249

Ion	Ratio	Lower	Upper
82	100		
128	36.6	28.6	42.8
54	64.4	55.1	82.7



Instrument :
BNA_F
ClientSampleId :
SB4(3-4)

Manual Integrations APPROVED
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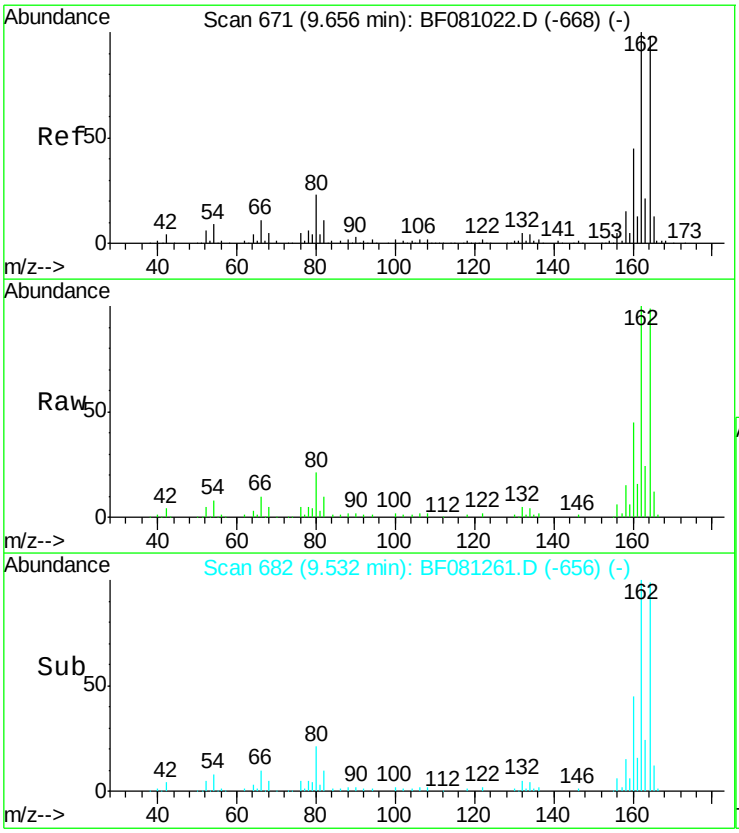
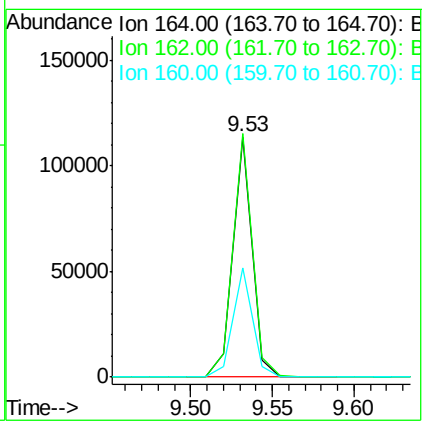
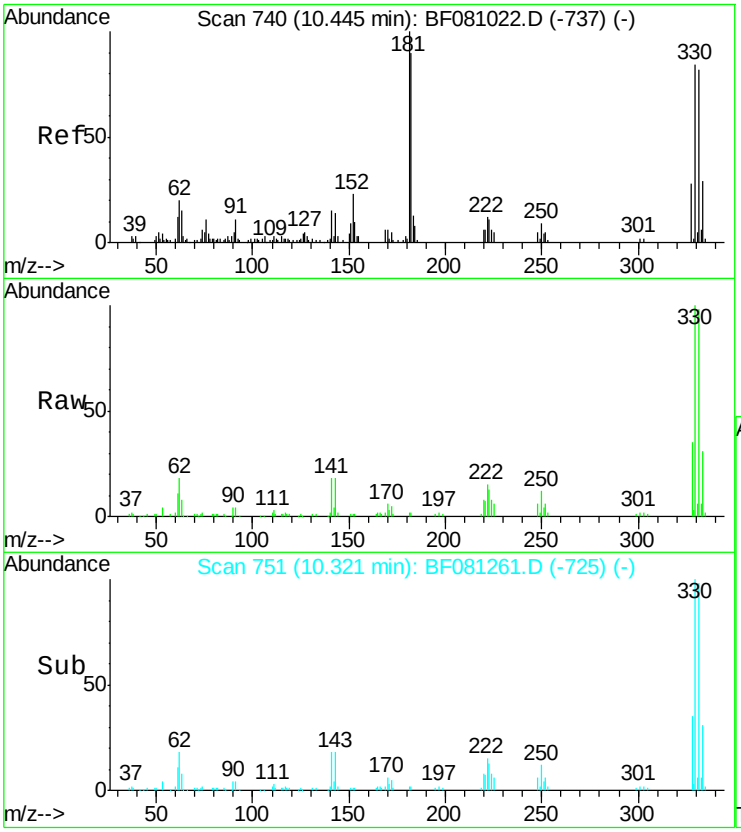


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.53 min Scan# 682
Delta R.T. -0.00 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

Tgt Ion:164 Resp: 91389

Ion	Ratio	Lower	Upper
164	100		
162	101.5	83.8	125.8
160	45.4	39.8	59.8

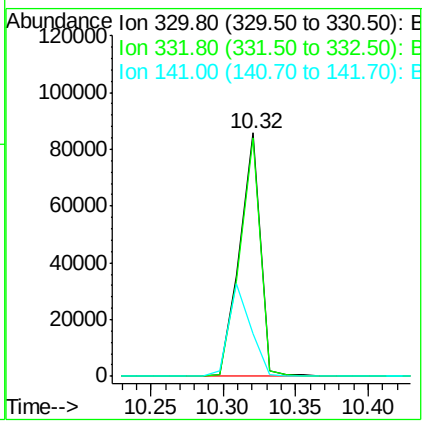




#41
2,4,6-Tribromophenol
Concen: 108.23 ng
RT: 10.32 min Scan# 751
Delta R.T. -0.00 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

Tgt Ion:330 Resp: 85736

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.3	115.9
141	40.6	44.9	67.3#



Instrument :
BNA_F
ClientSampleId :
SB4(3-4)

Manual Integrations APPROVED
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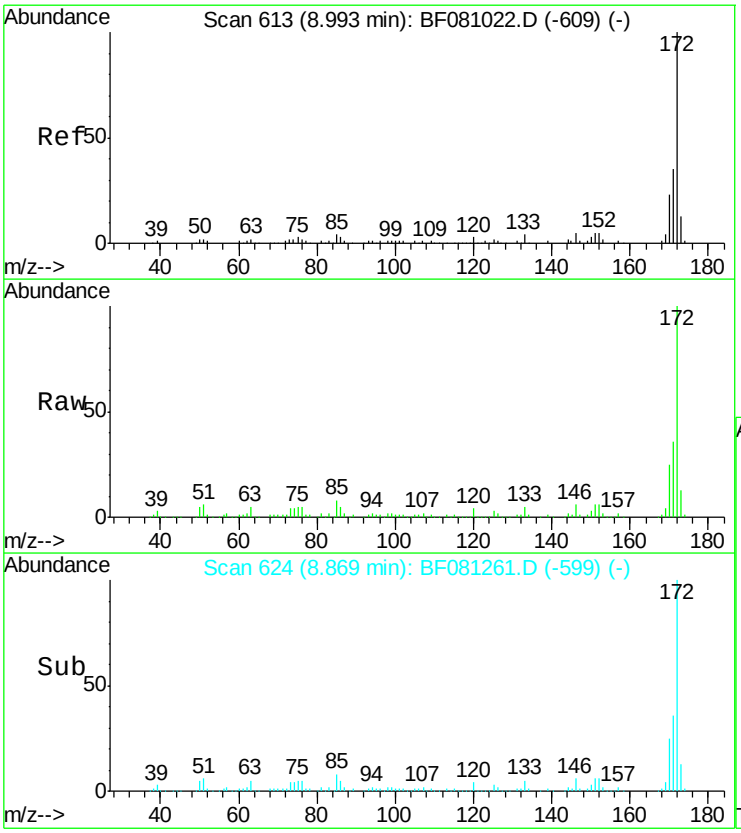
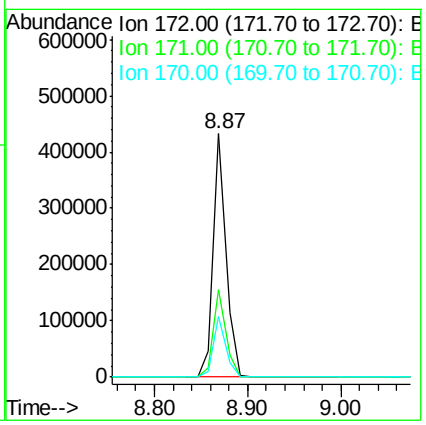
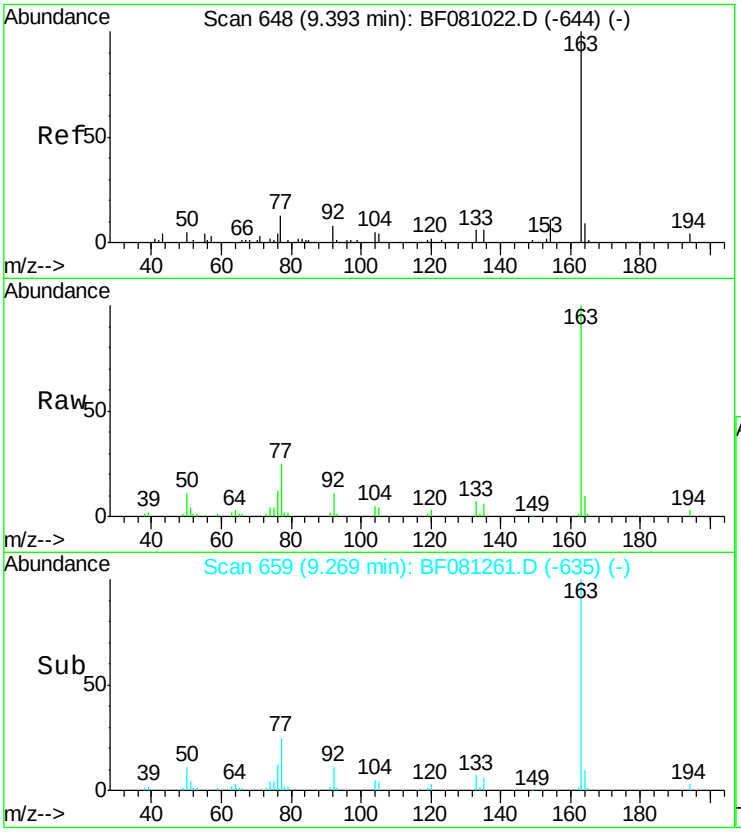


#44
2-Fluorobiphenyl
Concen: 59.46 ng
RT: 8.87 min Scan# 624
Delta R.T. -0.01 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

Tgt Ion:172 Resp: 414741

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.9	43.3
170	24.6	19.4	29.2

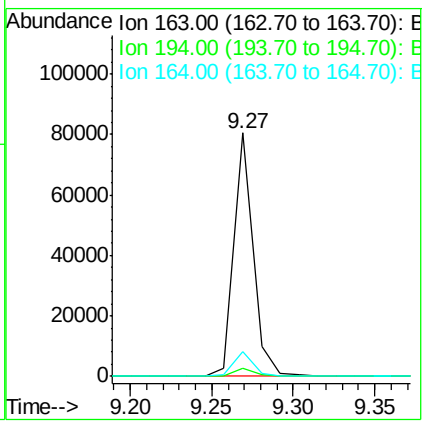




#49
Dimethylphthalate
Concen: 8.64 ng
RT: 9.27 min Scan# 659
Delta R.T. -0.02 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

Tgt Ion:163 Resp: 65010

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.5	3.7
164	10.3	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
SB4(3-4)

Manual Integrations APPROVED
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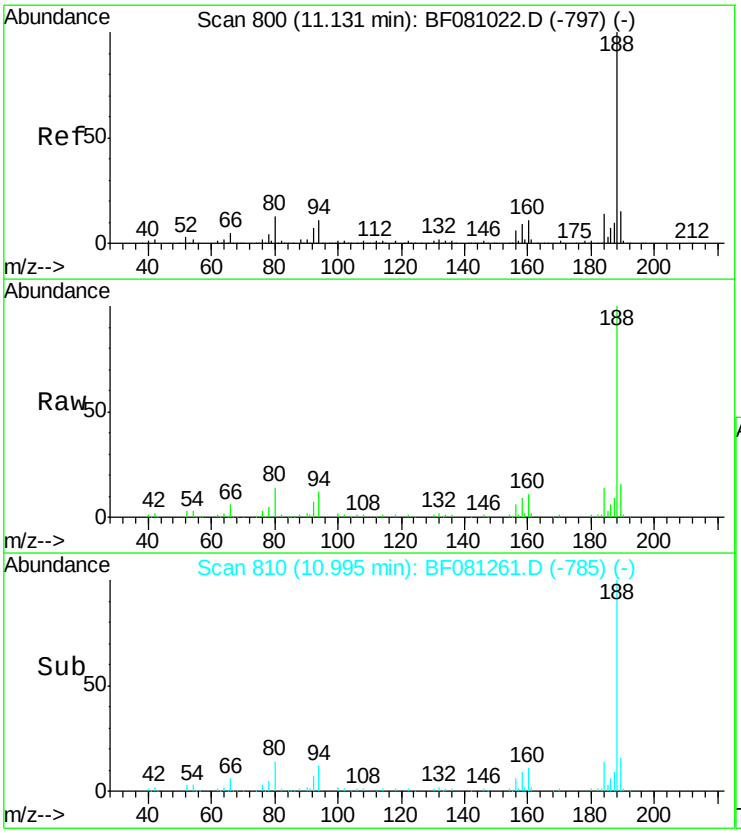
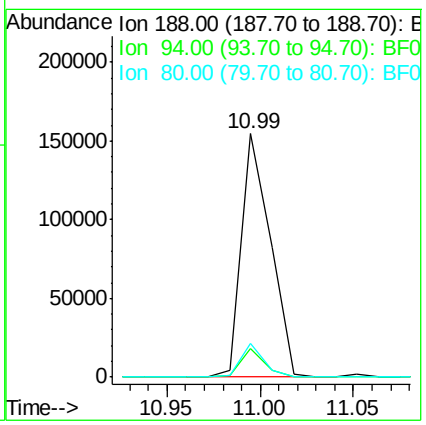
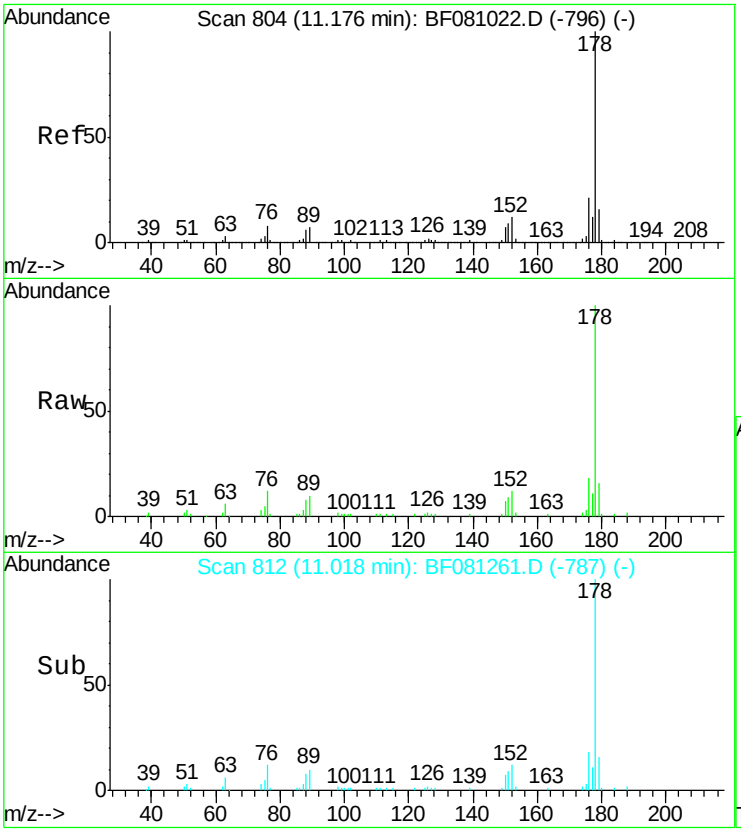


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.99 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

Tgt Ion:188 Resp: 167282

Ion	Ratio	Lower	Upper
188	100		
94	12.0	8.2	12.2
80	13.9	9.5	14.3

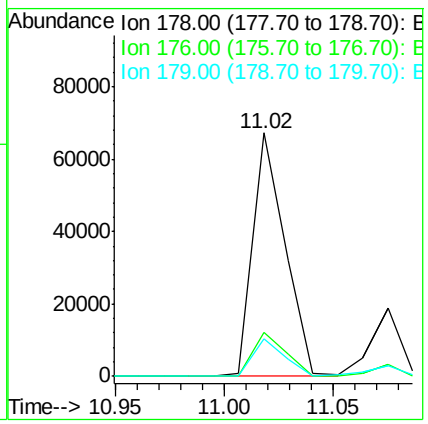




#70
Phenanthrene
Concen: 7.01 ng
RT: 11.02 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

Tgt Ion:178 Resp: 69456

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.7	23.5
179	15.6	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
SB4(3-4)

Manual Integrations APPROVED
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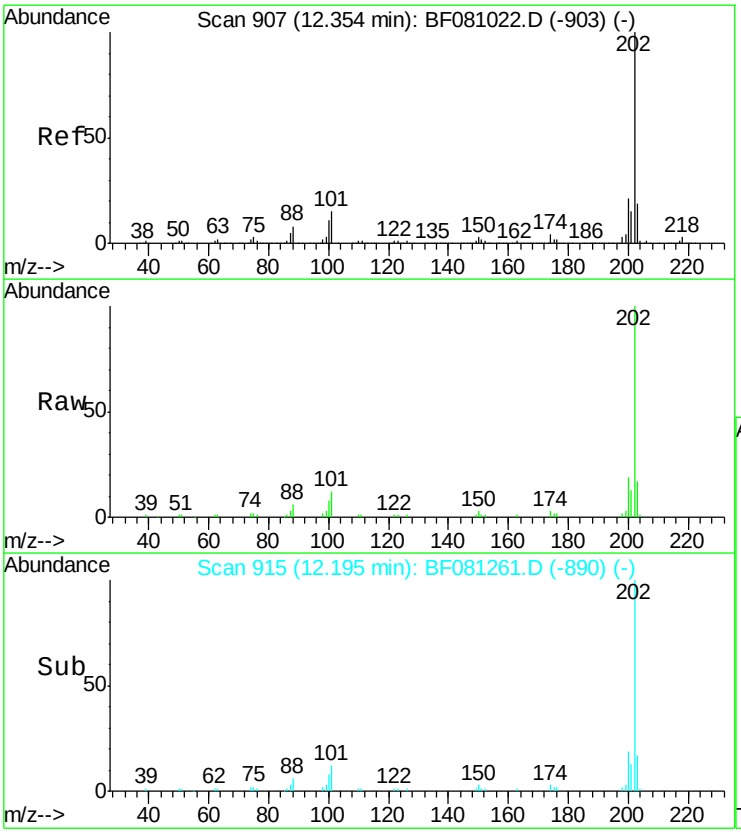
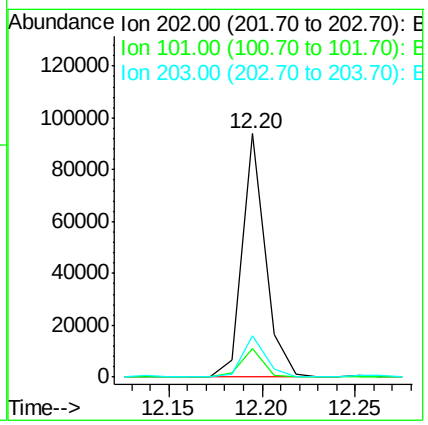
8/28/2015 2:23:10 PM

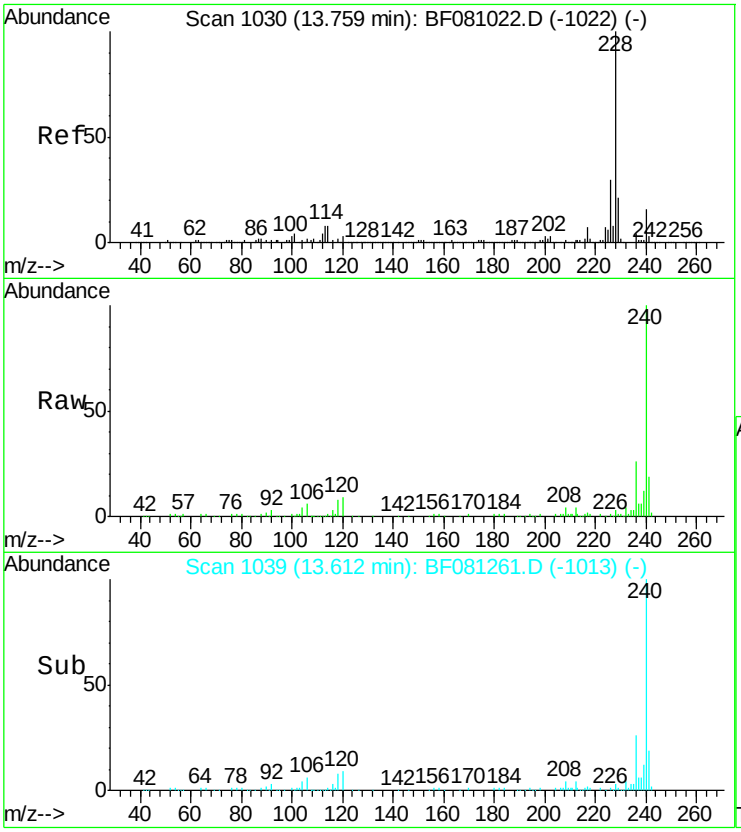


#74
Fluoranthene
Concen: 7.56 ng
RT: 12.20 min Scan# 915
Delta R.T. -0.01 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

Tgt Ion:202 Resp: 80913

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	24.8
203	16.9	0.0	36.9

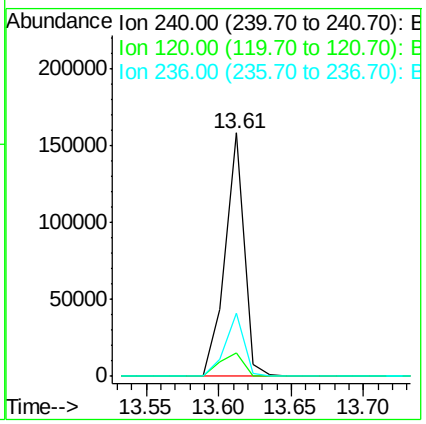




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.61 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

Tgt Ion:240 Resp: 145266

Ion	Ratio	Lower	Upper
240	100		
120	9.4	5.6	8.4#
236	25.9	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
SB4(3-4)

Manual Integrations APPROVED
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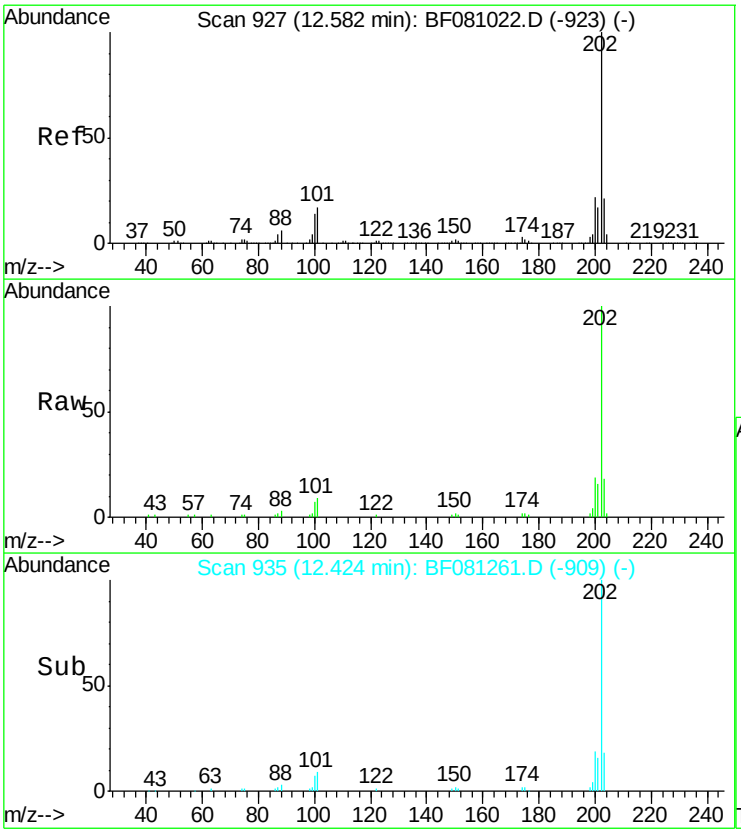
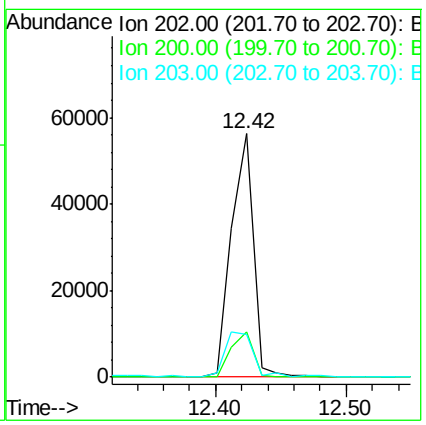
8/28/2015 2:23:10 PM

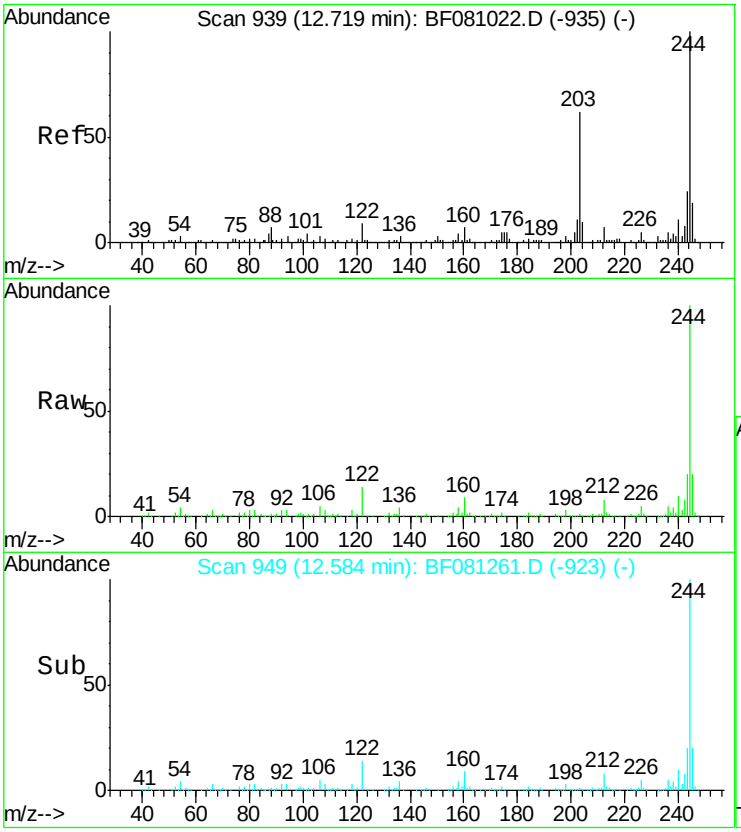


#77
Pyrene
Concen: 5.54 ng
RT: 12.42 min Scan# 935
Delta R.T. -0.00 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

Tgt Ion:202 Resp: 65399

Ion	Ratio	Lower	Upper
202	100		
200	18.8	16.6	24.8
203	17.7	14.1	21.1

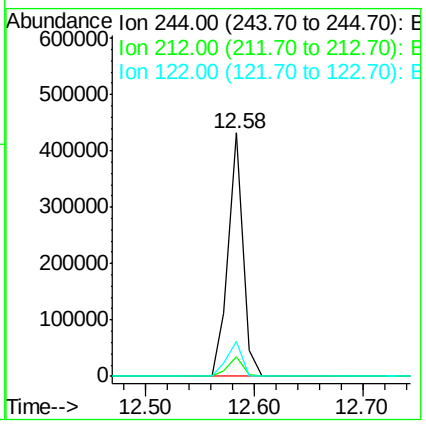




#78
Terphenyl-d14
Concen: 60.14 ng
RT: 12.58 min Scan# 949
Delta R.T. -0.00 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

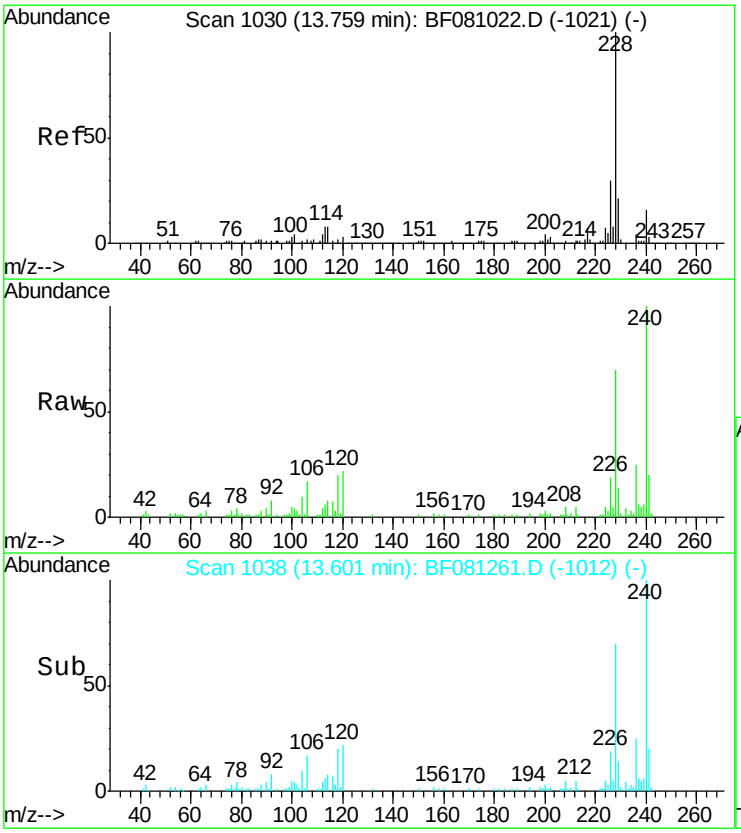
Tgt Ion:244 Resp: 407479

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.8
122	14.1	8.2	12.4#



Instrument :
BNA_F
ClientSampleId :
SB4(3-4)

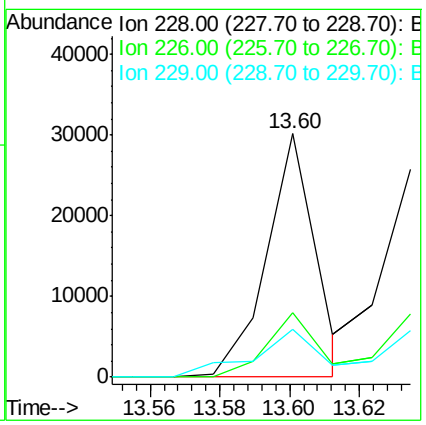
Manual Integrations APPROVED
MMDadoda
8/28/2015 2:23:10 PM

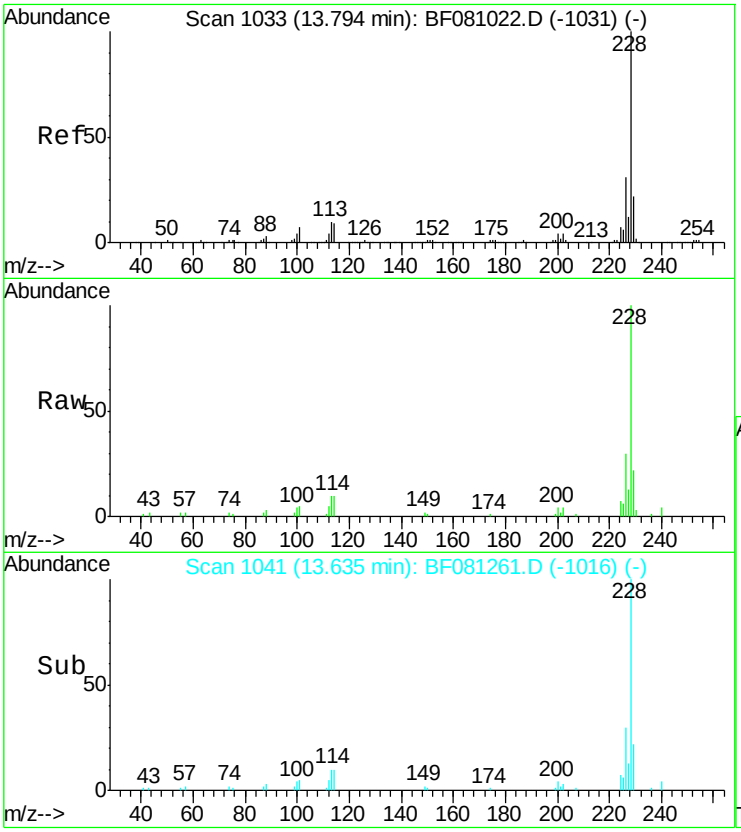


#80
Benzo(a)anthracene
Concen: 3.04 ng m
RT: 13.60 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

Tgt Ion:228 Resp: 29645

Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.3	33.5
229	19.5	15.9	23.9

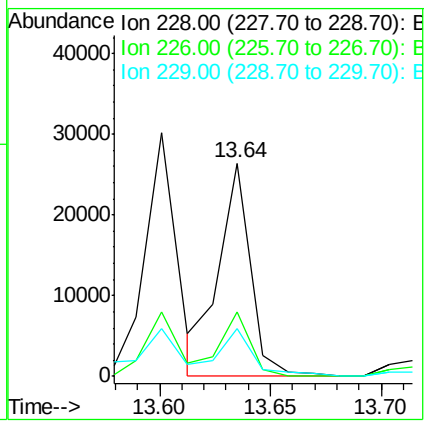




#82
Chrysene
Concen: 3.03 ng m
RT: 13.64 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

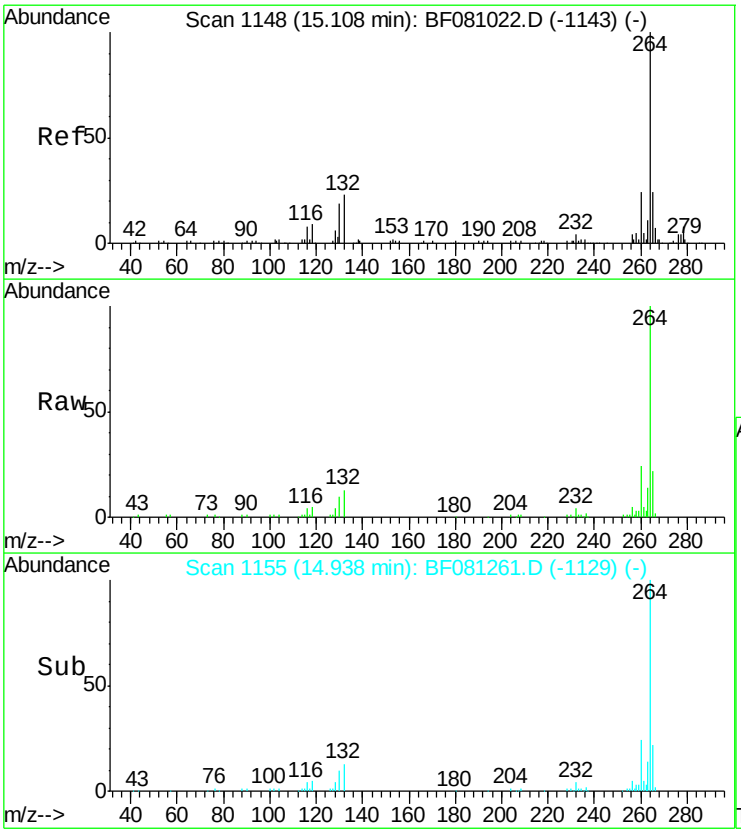
Tgt Ion:228 Resp: 26581

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.4	36.6
229	22.2	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
SB4(3-4)

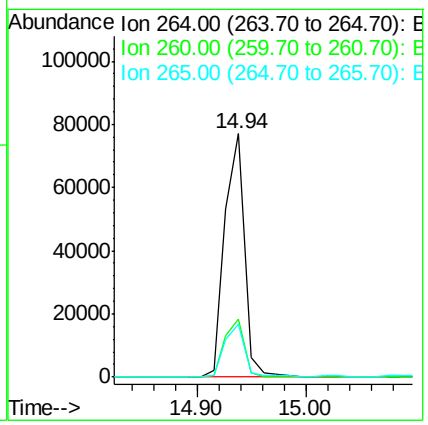
Manual Integrations APPROVED
MMDadoda
8/28/2015 2:23:10 PM

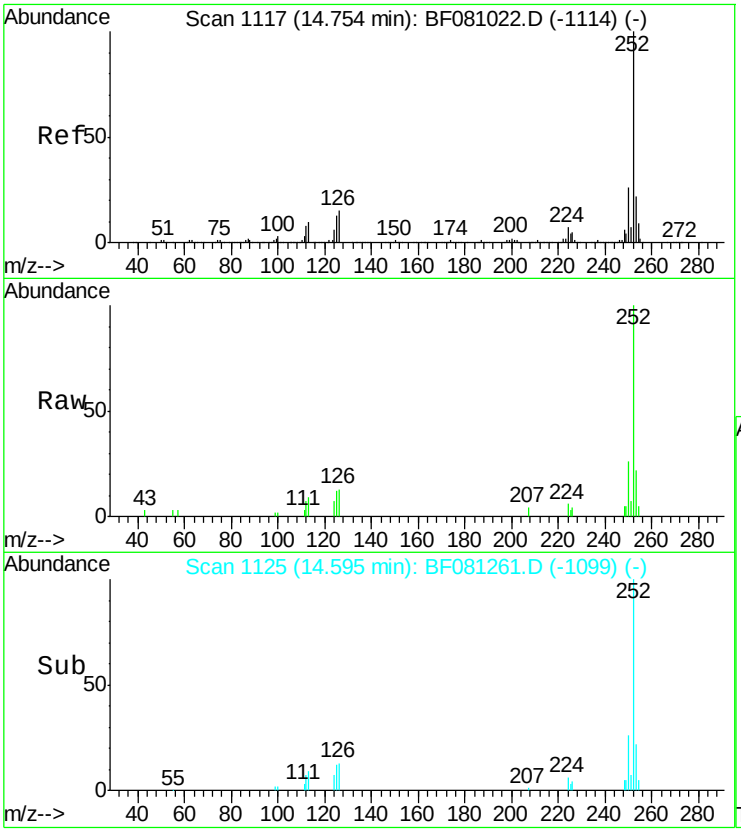


#86
Perylene-d12
Concen: 20.00 ng
RT: 14.94 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

Tgt Ion:264 Resp: 97231

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.6	29.4
265	21.8	17.5	26.3

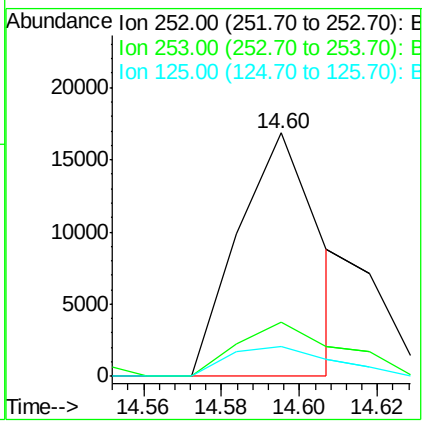




#87
Benzo(b)fluoranthene
Concen: 3.54 ng m
RT: 14.60 min Scan# 1125
Delta R.T. -0.00 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

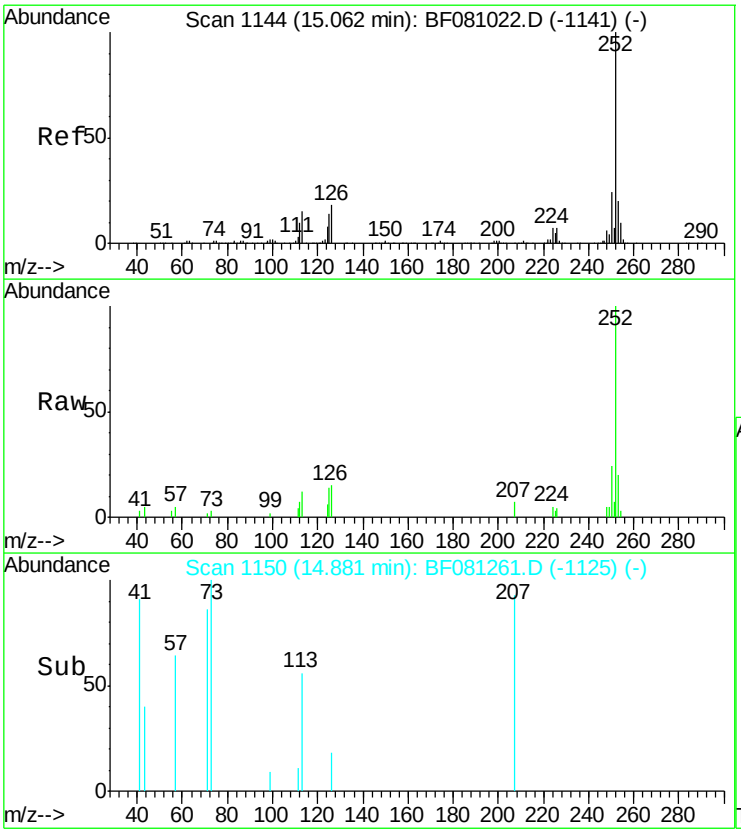
Tgt Ion:252 Resp: 24377

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	12.3	8.0	12.0#



Instrument :
BNA_F
ClientSampleId :
SB4(3-4)

Manual Integrations APPROVED
MMDadoda
8/28/2015 2:23:10 PM



#89
Benzo(a)pyrene
Concen: 2.61 ng
RT: 14.88 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF081261.D
Acq: 28 Aug 2015 4:13

Tgt Ion:252 Resp: 15665

Ion	Ratio	Lower	Upper
252	100		
253	19.6	16.6	25.0
125	13.6	7.8	11.8#