Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091515\
Data File : BF081628.D
Acq On : 15 Sep 2015 14:12
Operator : UM/IZ
Sample : G3597-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GP-7(0-5)

Manual Integrations APPROVED
MMDadoda
9/16/2015 1:23:16 PM

Quant Time: Sep 15 14:46:47 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 15 14:03:59 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	55210	20.00	ng	-0.01
21) Naphthalene-d8	11.11	136	220126	20.00	ng	-0.01
38) Acenaphthene-d10	15.25	164	99609	20.00	ng	-0.01
63) Phenanthrene-d10	18.74	188	178710	20.00	ng	-0.01
75) Chrysene-d12	23.38	240	106417	20.00	ng	0.00
86) Perylene-d12	24.81	264	97166	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	213512	60.00	ng	0.01
7) Phenol-d6	7.62	99	298140	63.30	ng	-0.02
23) Nitrobenzene-d5	9.50	82	195844	42.92	ng	-0.03
41) 2,4,6-Tribromophenol	17.14	330	49475	55.78	ng	-0.02
44) 2-Fluorobiphenyl	13.75	172	317409	40.84	ng	-0.02
78) Terphenyl-d14	22.10	244	213326	46.66	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	14.81	163	62754	8.11	ng	# 97
70) Phenanthrene	18.80	178	37406	3.76	ng	96
74) Fluoranthene	21.42	202	97962	9.11	ng	89
77) Pyrene	21.77	202	122469	15.54	ng	98
80) Benzo(a)anthracene	23.37	228	55426	8.18	ng	95
82) Chrysene	23.41	228	54866m	9.03	ng	
85) Indeno(1,2,3-cd)pyrene	25.86	276	26284	5.90	ng	# 77
87) Benzo(b)fluoranthene	24.48	252	56110m	8.09	ng	
88) Benzo(k)fluoranthene	24.48	252	25892m	4.50	ng	
89) Benzo(a)pyrene	24.77	252	47340	8.05	ng	# 86
90) Dibenzo(a,h)anthracene	25.86	278	9741	2.14	ng	# 87
91) Benzo(g,h,i)perylene	26.17	276	25823	5.96	ng	# 73

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

Quantitation Report (LSC Reviewed)

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BNA_F
ClientSampleId :
GP-7(0-5)

Manual Integrations APPROVED
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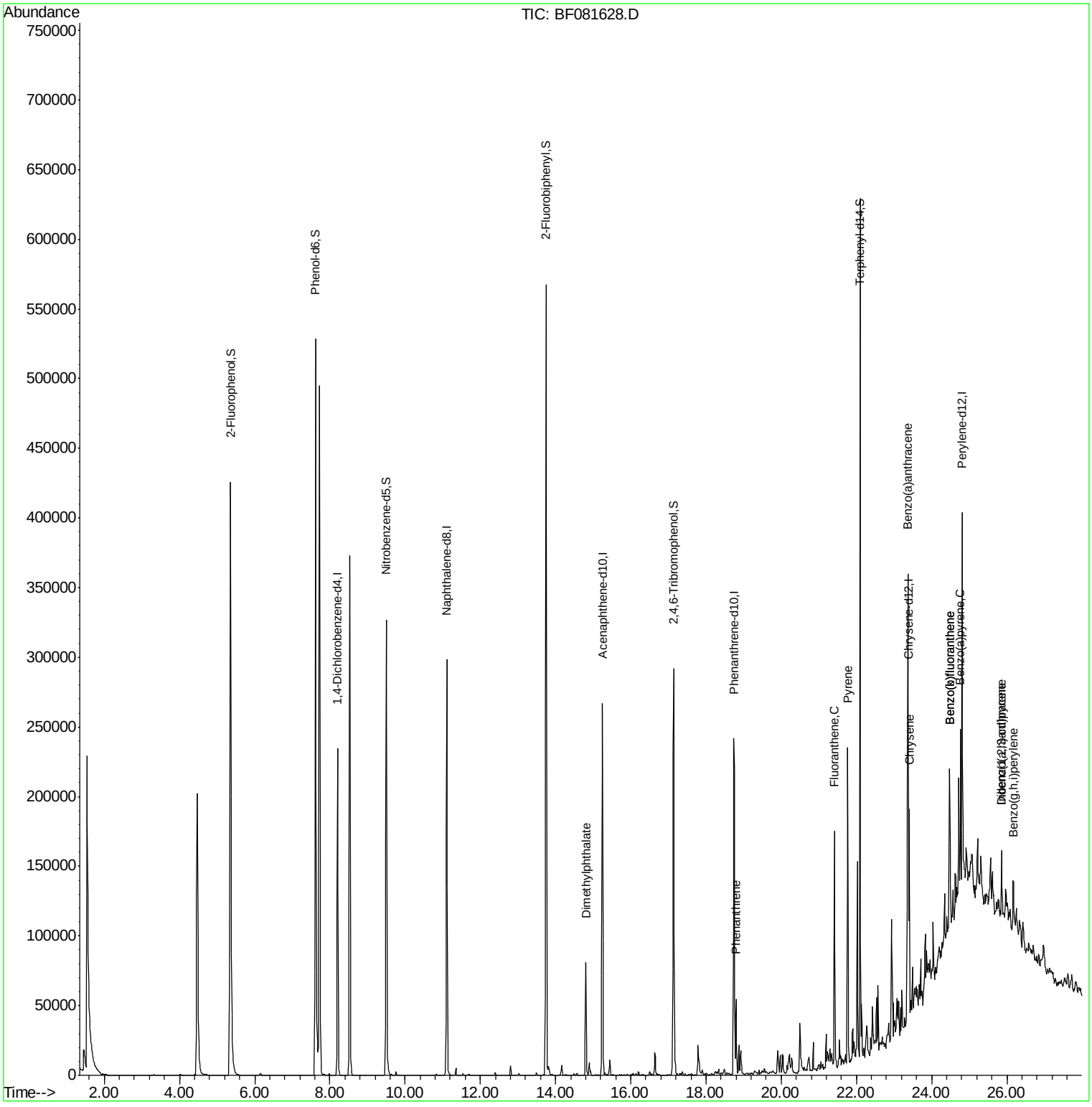
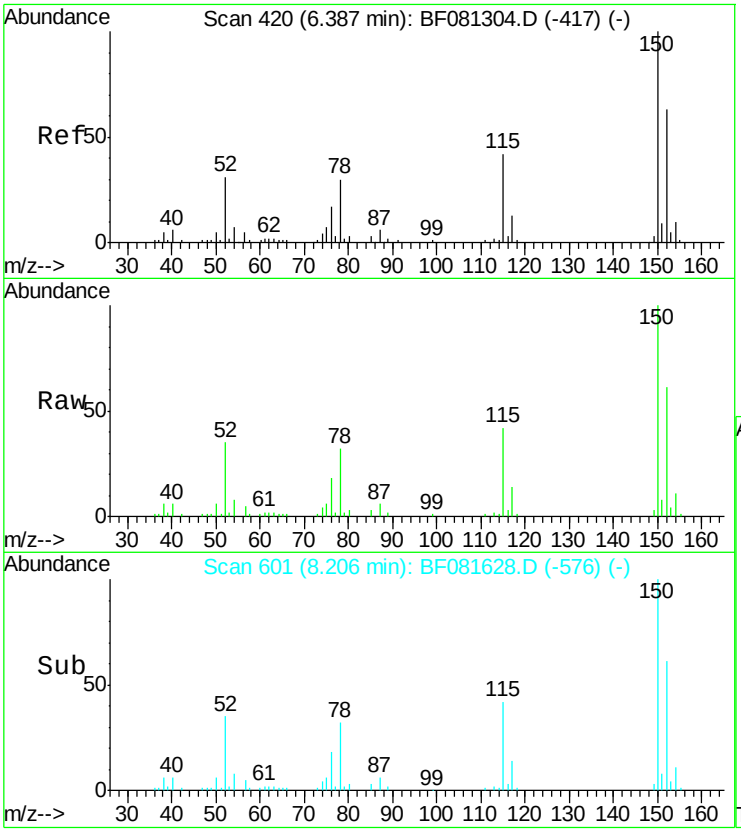
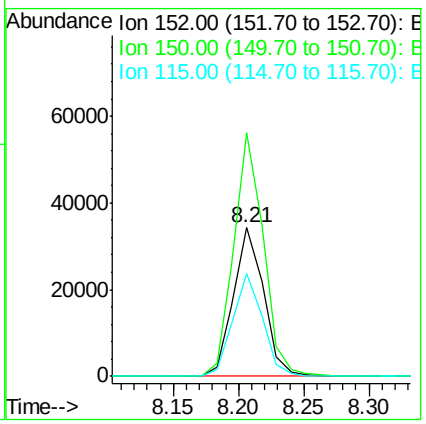




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.21 min Scan# 601
Delta R.T. -0.01 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

Tgt Ion:152 Resp: 55210

Ion	Ratio	Lower	Upper
152	100		
150	164.2	124.7	187.1
115	69.5	39.0	58.4#



Instrument :
BNA_F
ClientSampleId :
GP-7(0-5)

Manual Integrations APPROVED
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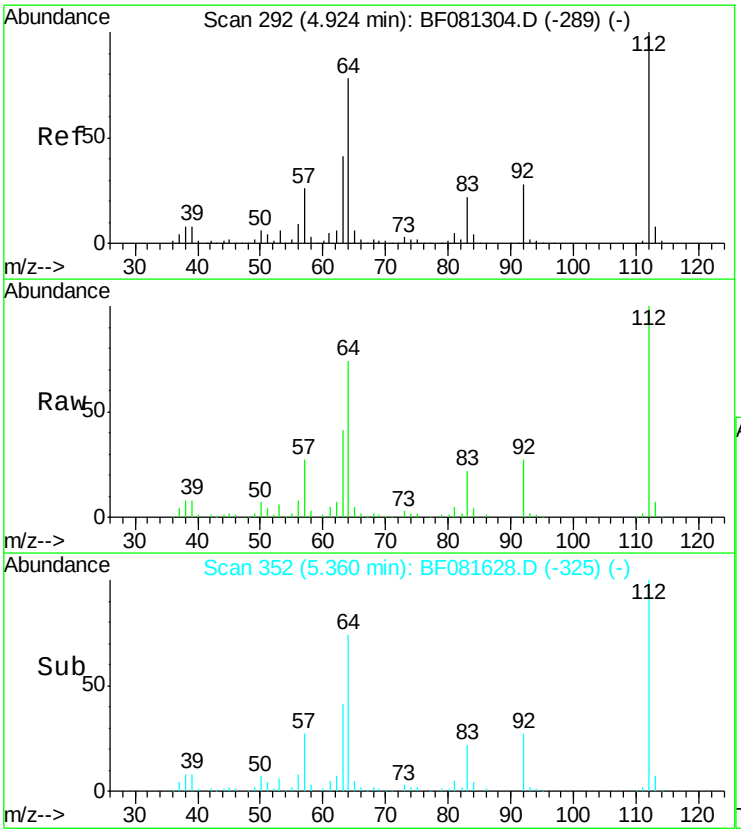
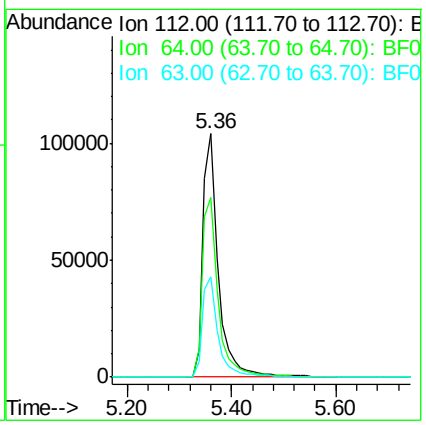
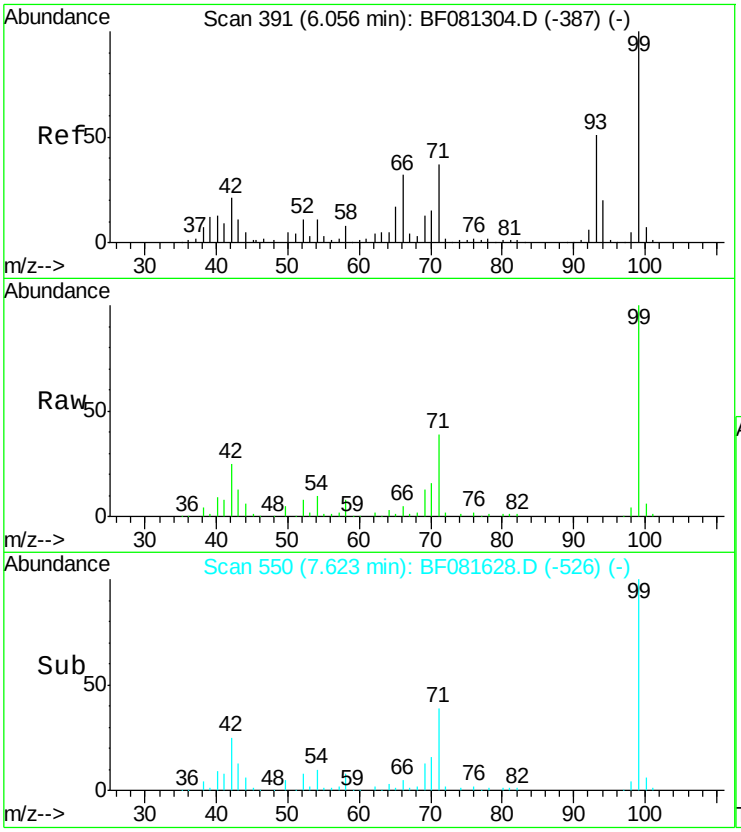


#5
2-Fluorophenol
Concen: 60.00 ng
RT: 5.36 min Scan# 352
Delta R.T. 0.01 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

Tgt Ion:112 Resp: 213512

Ion	Ratio	Lower	Upper
112	100		
64	73.8	39.7	59.5#
63	41.3	17.4	26.0#





#7
Phenol-d6
Concen: 63.30 ng
RT: 7.62 min Scan# 550
Delta R.T. -0.02 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

Tgt Ion: 99 Resp: 298140

Ion	Ratio	Lower	Upper
99	100		
42	25.0	13.7	20.5#
71	38.9	14.2	21.2#

Instrument :
BNA_F
ClientSampleId :
GP-7(0-5)

Manual Integrations APPROVED
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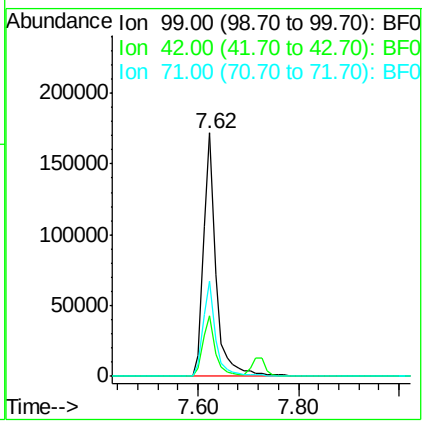
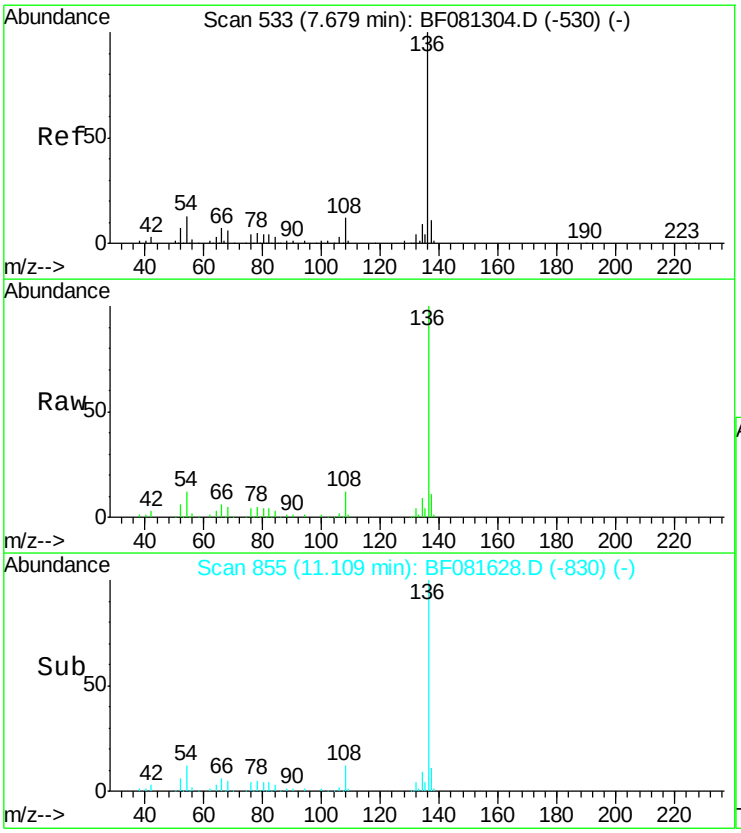
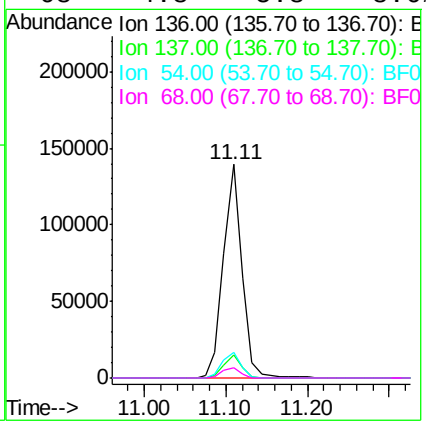


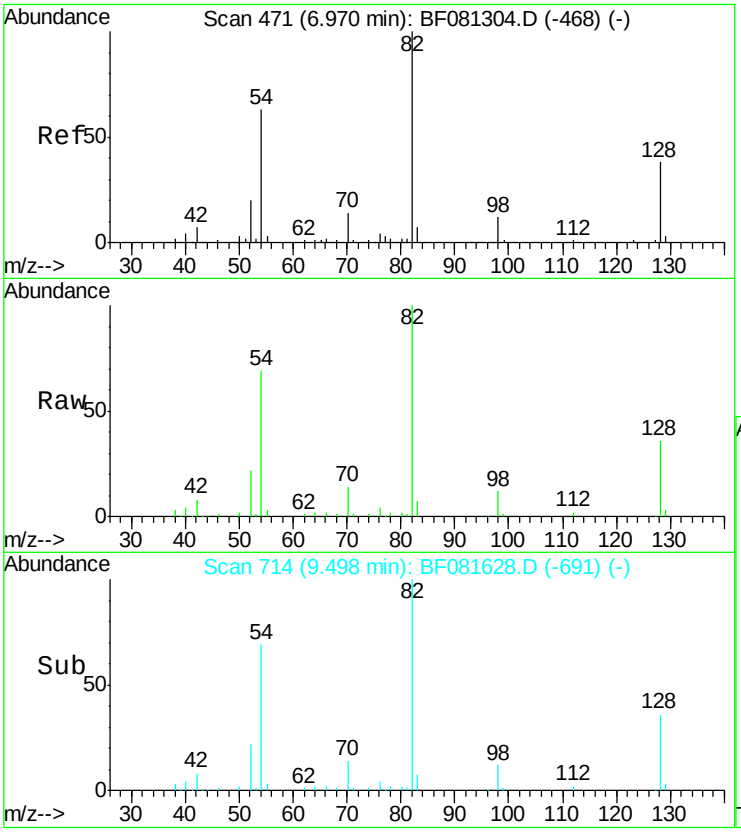


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.11 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

Tgt Ion:136 Resp: 220126

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.6
54	11.8	8.2	12.2
68	4.8	5.8	8.6#

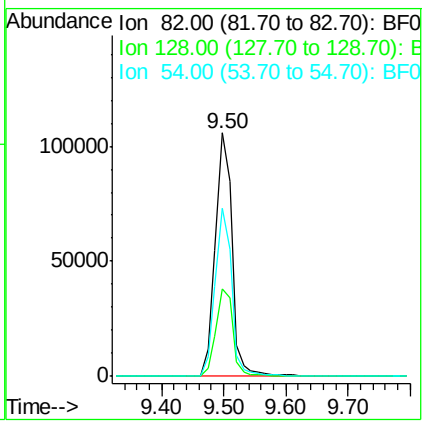




#23
Nitrobenzene-d5
Concen: 42.92 ng
RT: 9.50 min Scan# 714
Delta R.T. -0.03 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

Tgt Ion: 82 Resp: 195844

Ion	Ratio	Lower	Upper
82	100		
128	36.0	51.0	76.6#
54	69.3	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
GP-7(0-5)

Manual Integrations APPROVED
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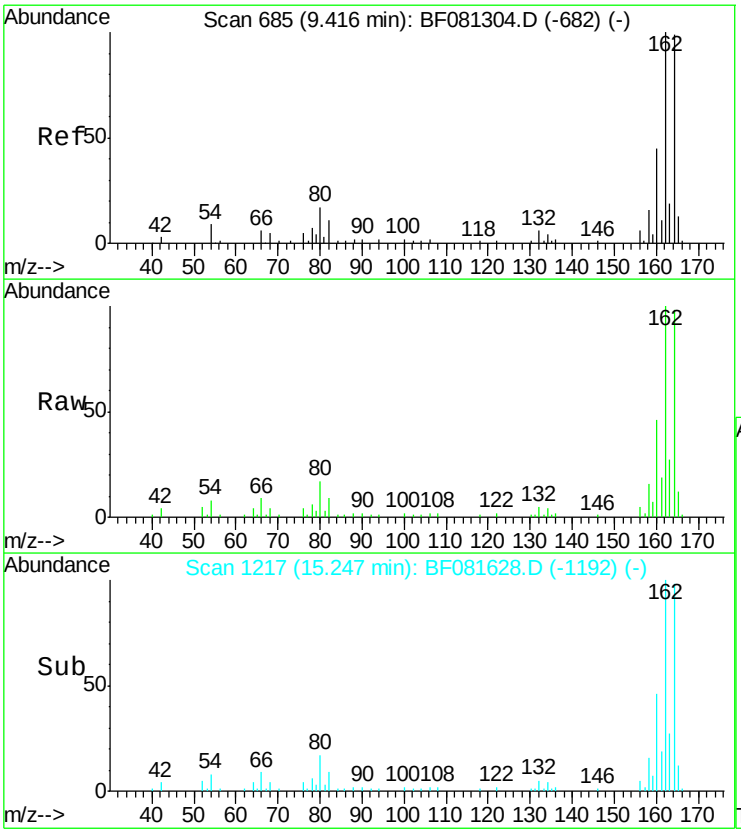
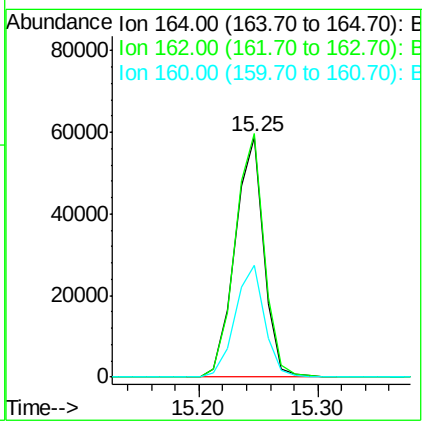
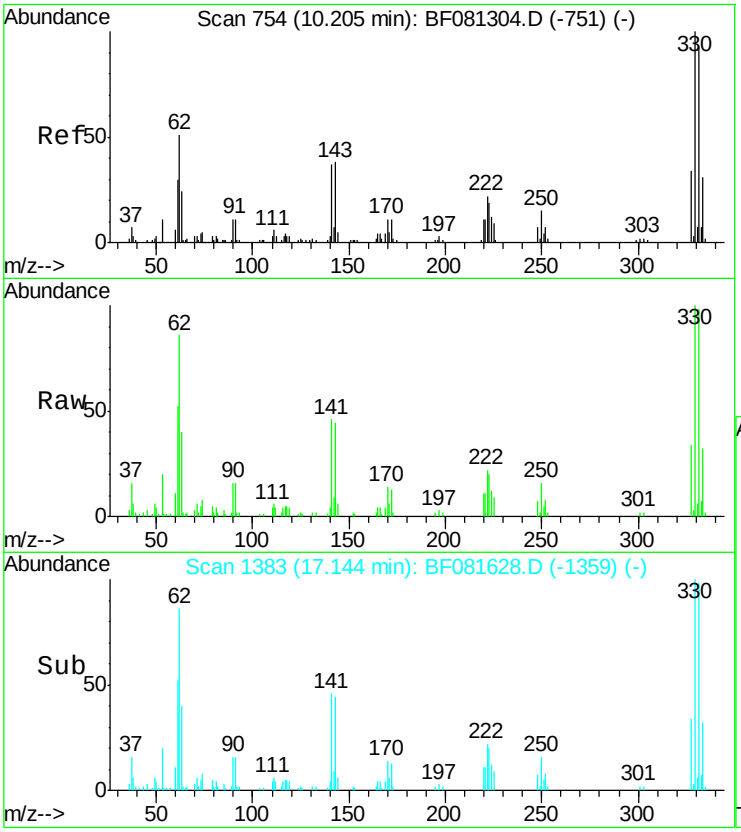


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

Tgt Ion:164 Resp: 99609

Ion	Ratio	Lower	Upper
164	100		
162	101.5	75.2	112.8
160	46.5	31.5	47.3





#41
2,4,6-Tribromophenol
Concen: 55.78 ng
RT: 17.14 min Scan# 1383
Delta R.T. -0.02 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

Tgt Ion:330 Resp: 49475

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	114.8
141	50.9	29.7	44.5#

Instrument :
BNA_F
ClientSampleId :
GP-7(0-5)

Manual Integrations APPROVED
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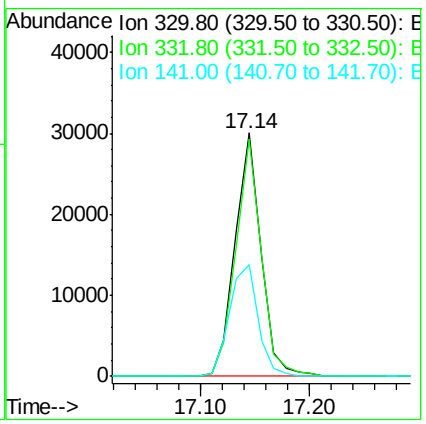
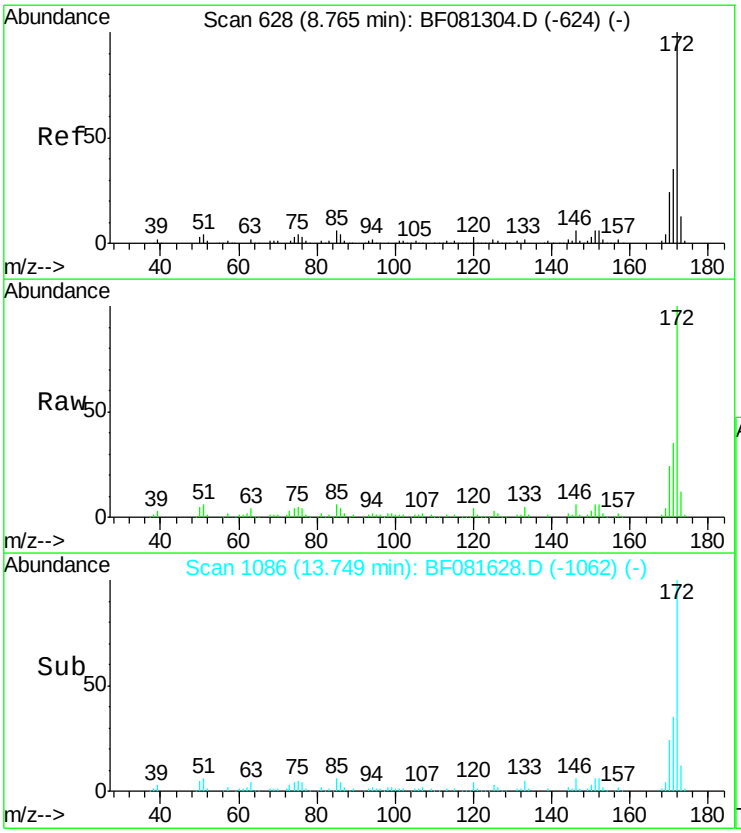
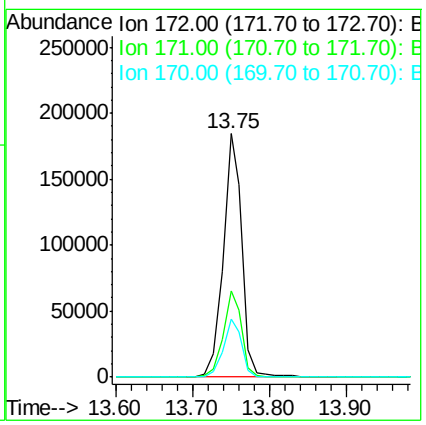


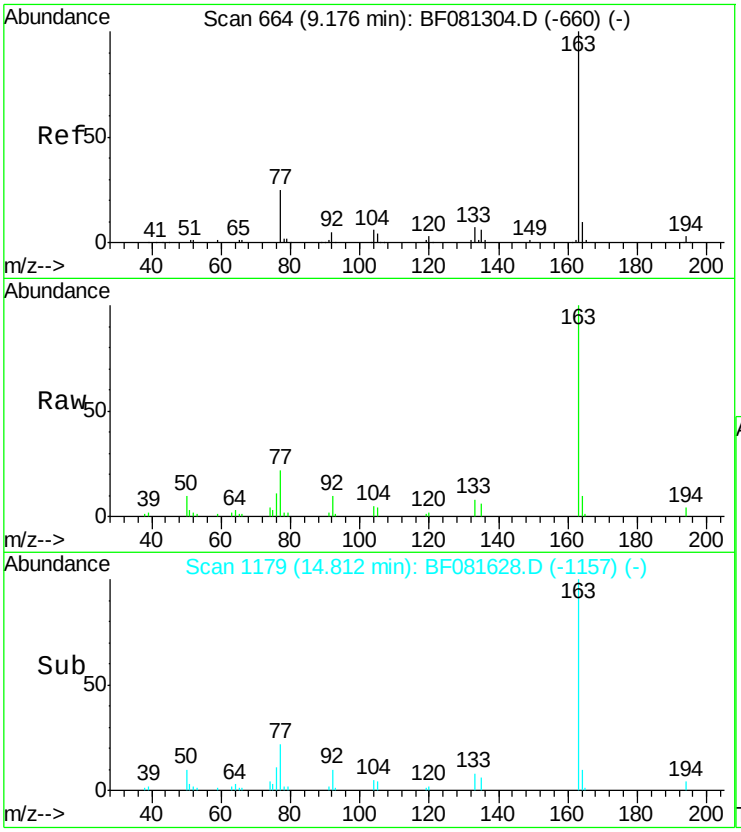


#44
2-Fluorobiphenyl
Concen: 40.84 ng
RT: 13.75 min Scan# 1086
Delta R.T. -0.02 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

Tgt Ion:172 Resp: 317409

Ion	Ratio	Lower	Upper
172	100		
171	35.3	26.1	39.1
170	23.9	17.4	26.2

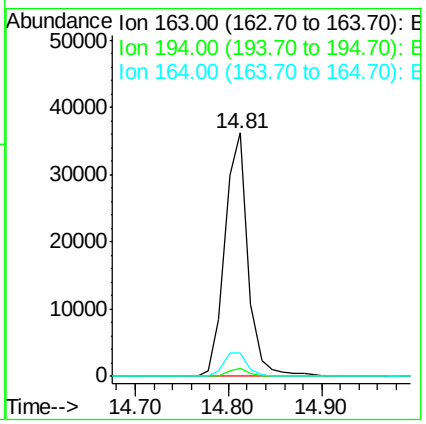




#49
Dimethylphthalate
Concen: 8.11 ng
RT: 14.81 min Scan# 1179
Delta R.T. -0.05 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

Tgt Ion:163 Resp: 62754

Ion	Ratio	Lower	Upper
163	100		
194	3.5	4.4	6.6#
164	9.8	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
GP-7(0-5)

Manual Integrations APPROVED
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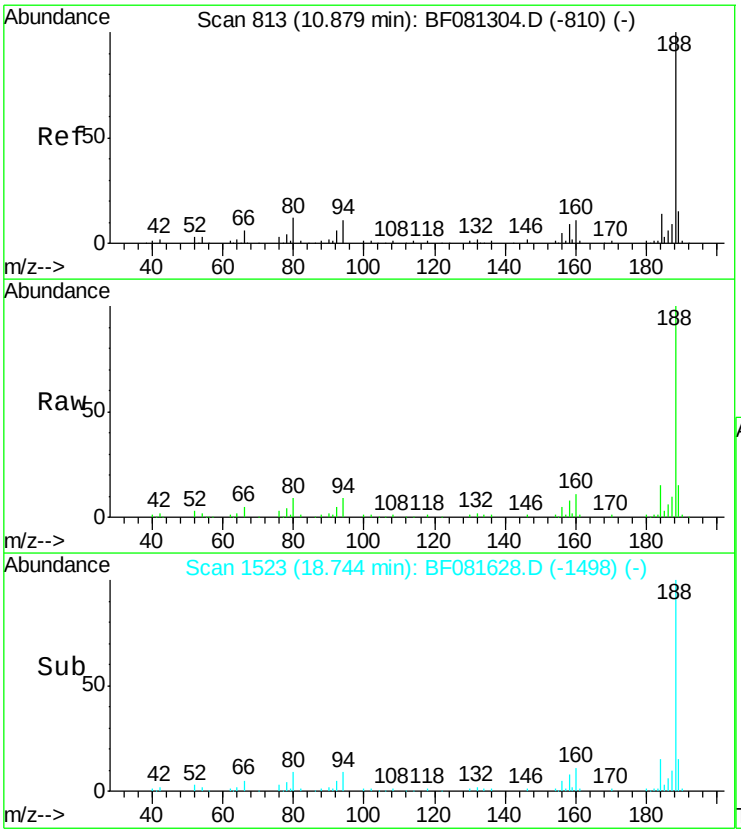
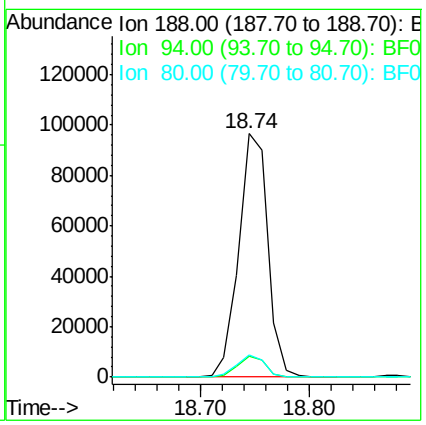
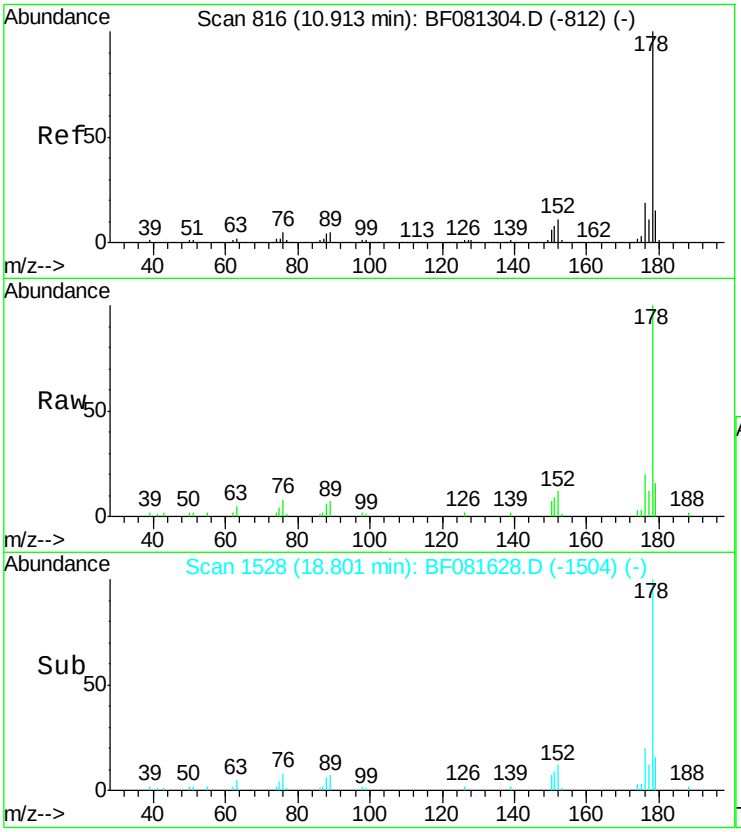


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.74 min Scan# 1523
Delta R.T. -0.01 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

Tgt Ion:188 Resp: 178710

Ion	Ratio	Lower	Upper
188	100		
94	8.7	11.1	16.7#
80	9.1	11.0	16.4#

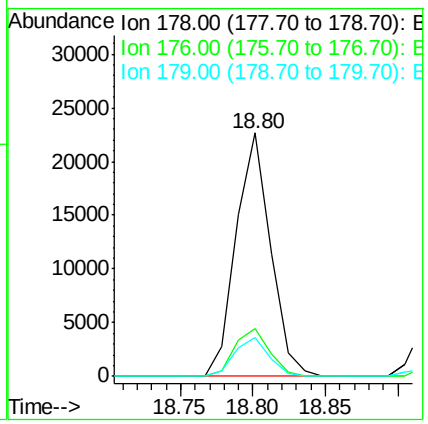




#70
Phenanthrene
Concen: 3.76 ng
RT: 18.80 min Scan# 1528
Delta R.T. -0.02 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

Tgt Ion:178 Resp: 37406

Ion	Ratio	Lower	Upper
178	100		
176	19.6	13.8	20.8
179	16.2	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
GP-7(0-5)

Manual Integrations APPROVED
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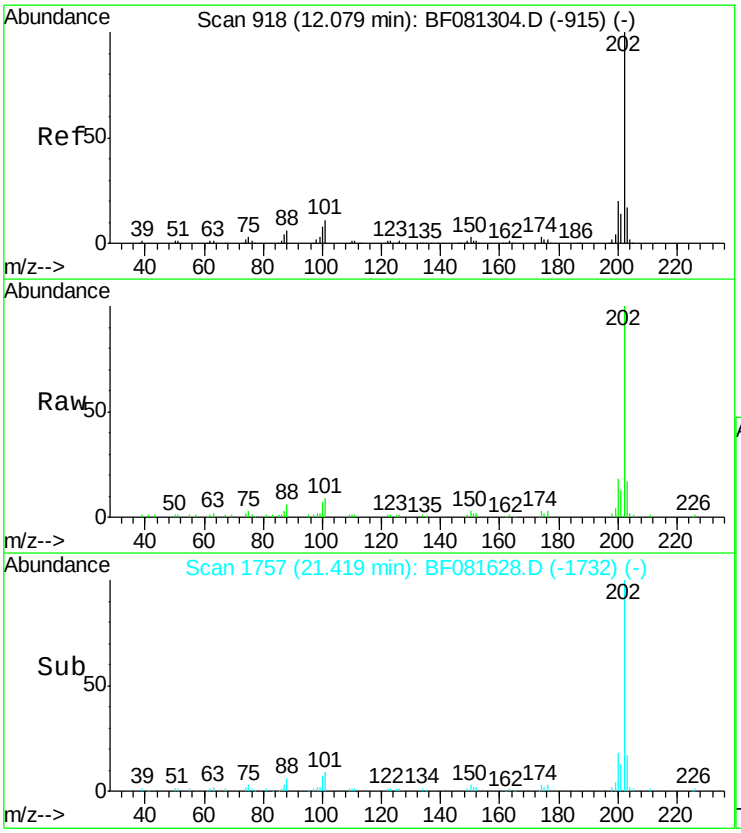
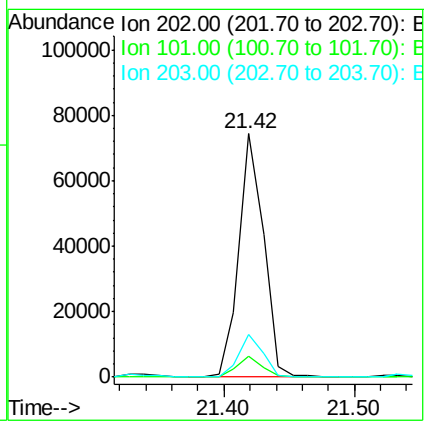
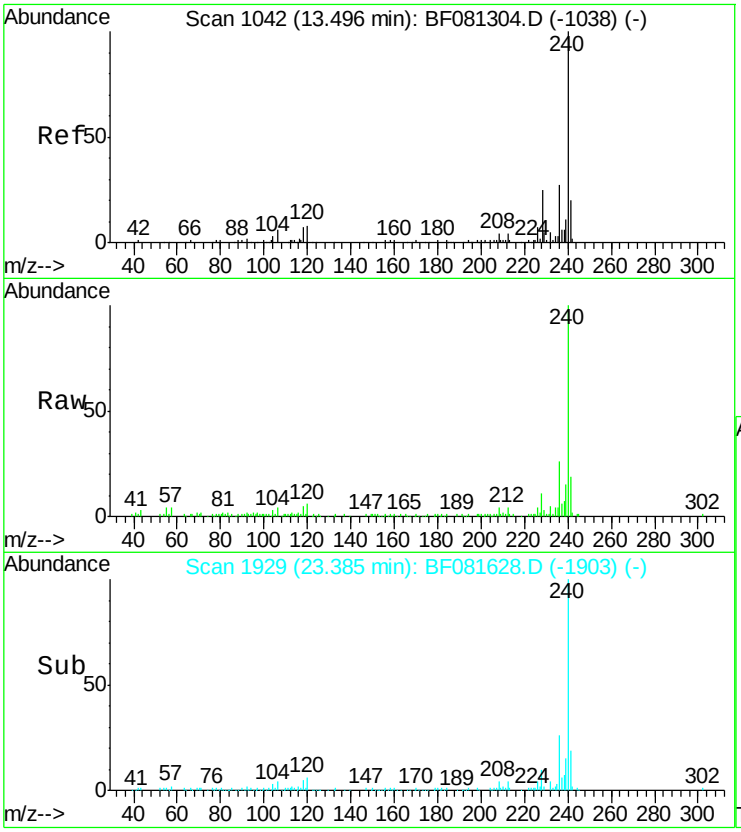


#74
Fluoranthene
Concen: 9.11 ng
RT: 21.42 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

Tgt Ion:202 Resp: 97962

Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	38.3
203	17.4	0.0	37.3





#75
Chrysene-d12
Concen: 20.00 ng
RT: 23.38 min Scan# 1929
Delta R.T. -0.00 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

Tgt Ion:240 Resp: 106417

Ion	Ratio	Lower	Upper
240	100		
120	5.7	16.2	24.2#
236	26.3	18.4	27.6

Instrument :
BNA_F
ClientSampleId :
GP-7(0-5)

Manual Integrations APPROVED
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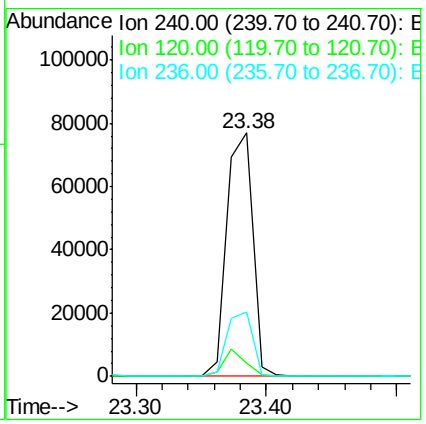
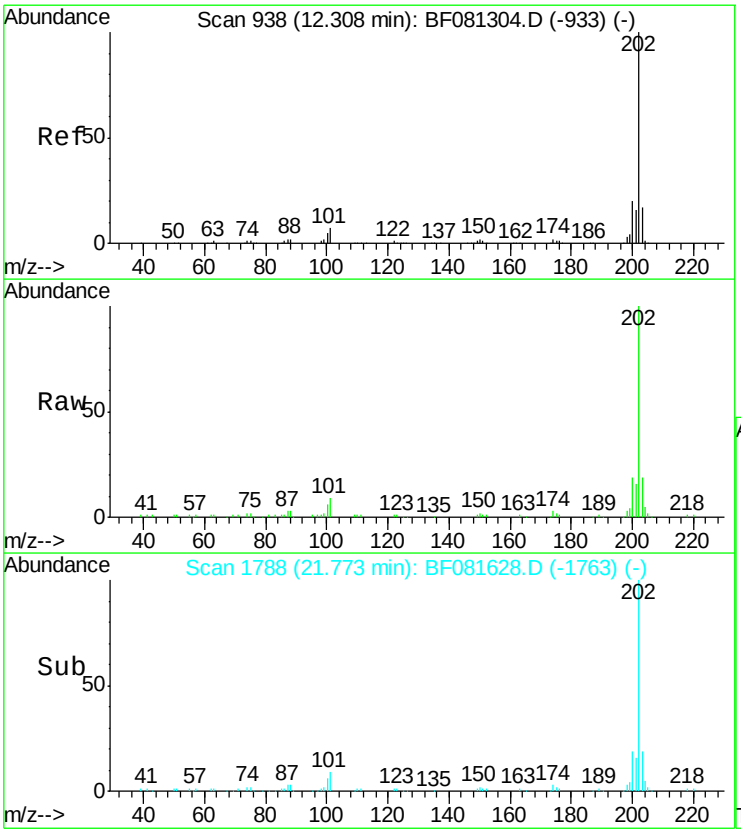
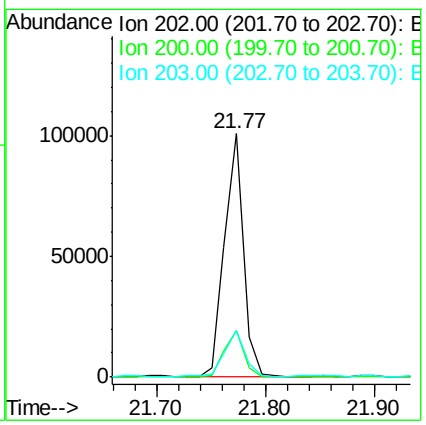


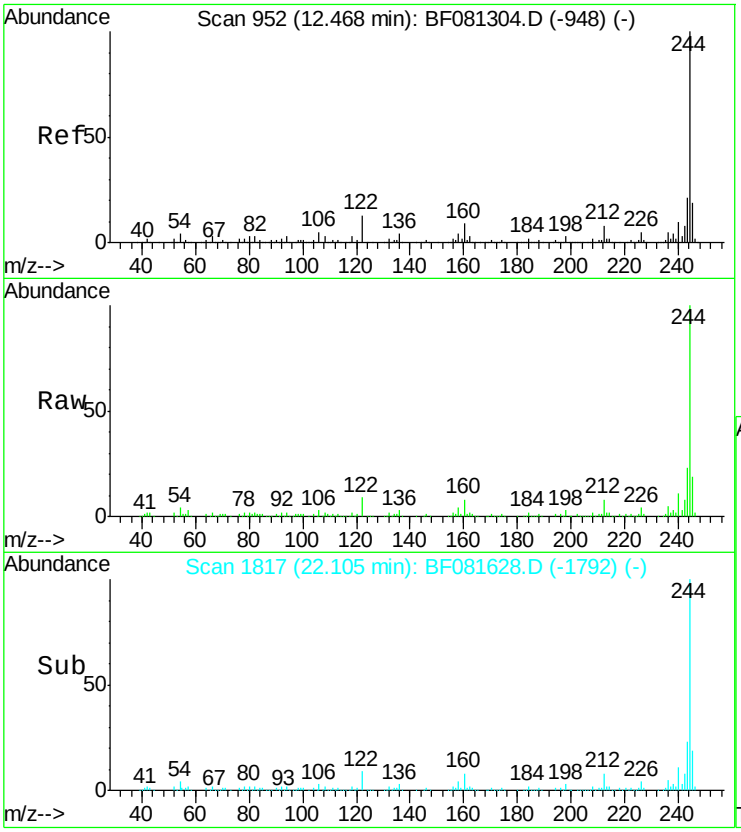


#77
Pyrene
Concen: 15.54 ng
RT: 21.77 min Scan# 1788
Delta R.T. -0.01 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

Tgt Ion:202 Resp: 122469

Ion	Ratio	Lower	Upper
202	100		
200	19.2	15.0	22.4
203	19.1	14.1	21.1

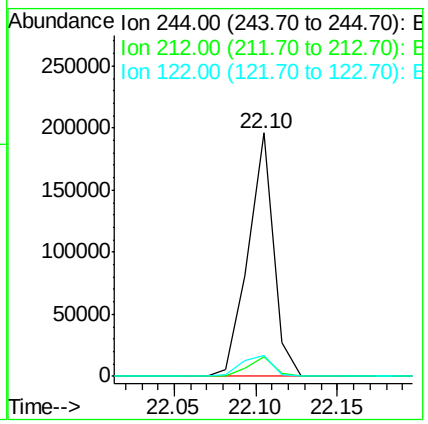




#78
Terphenyl-d14
Concen: 46.66 ng
RT: 22.10 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

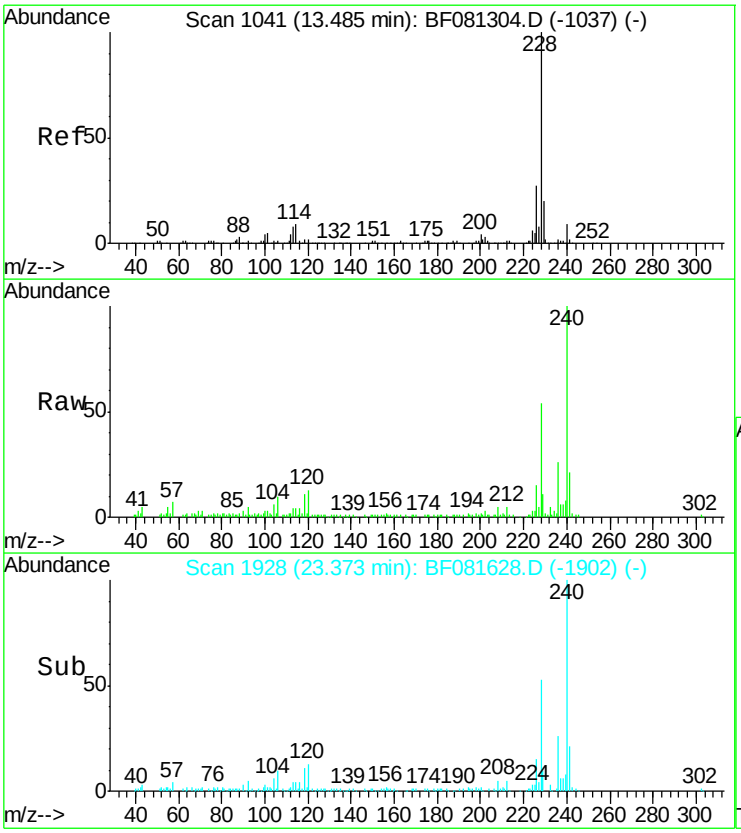
Tgt Ion:244 Resp: 213326

Ion	Ratio	Lower	Upper
244	100		
212	8.2	4.3	6.5#
122	8.8	17.4	26.2#



Instrument :
BNA_F
ClientSampleId :
GP-7(0-5)

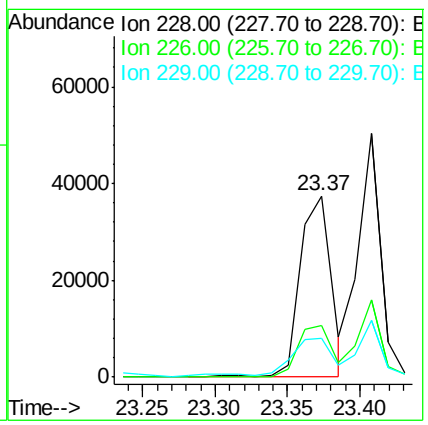
Manual Integrations APPROVED
MMDadoda
9/16/2015 1:23:16 PM

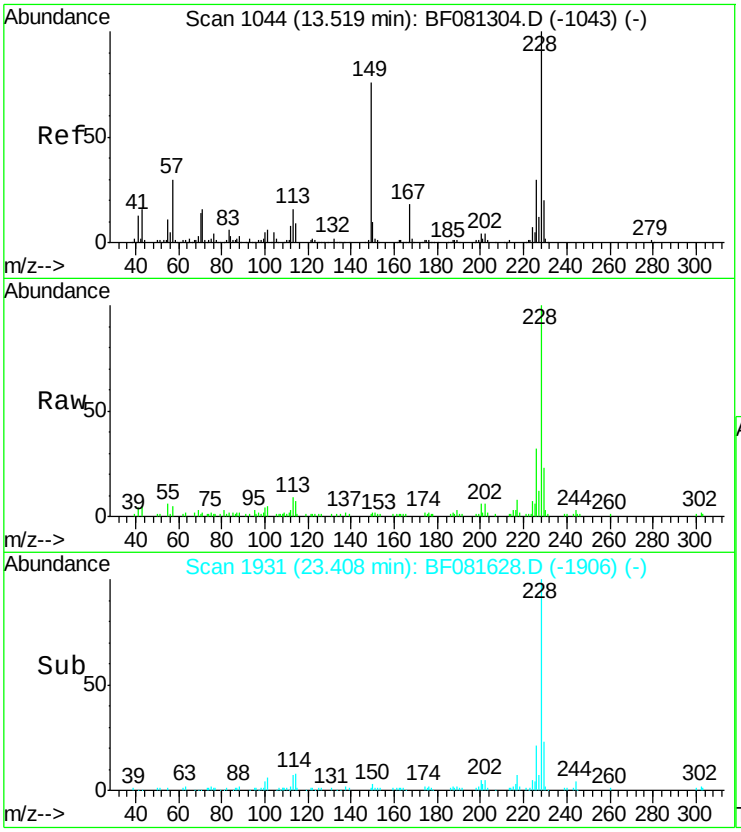


#80
Benzo(a)anthracene
Concen: 8.18 ng
RT: 23.37 min Scan# 1928
Delta R.T. -0.00 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

Tgt Ion:228 Resp: 55426

Ion	Ratio	Lower	Upper
228	100		
226	28.4	20.0	30.0
229	21.1	15.4	23.2

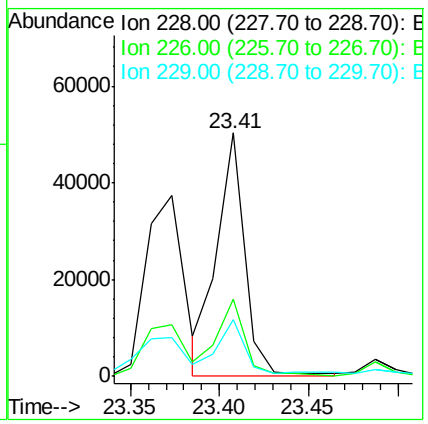




#82
Chrysene
Concen: 9.03 ng m
RT: 23.41 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

Tgt Ion:228 Resp: 54866

Ion	Ratio	Lower	Upper
228	100		
226	31.7	21.0	31.4#
229	23.4	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
GP-7(0-5)

Manual Integrations APPROVED
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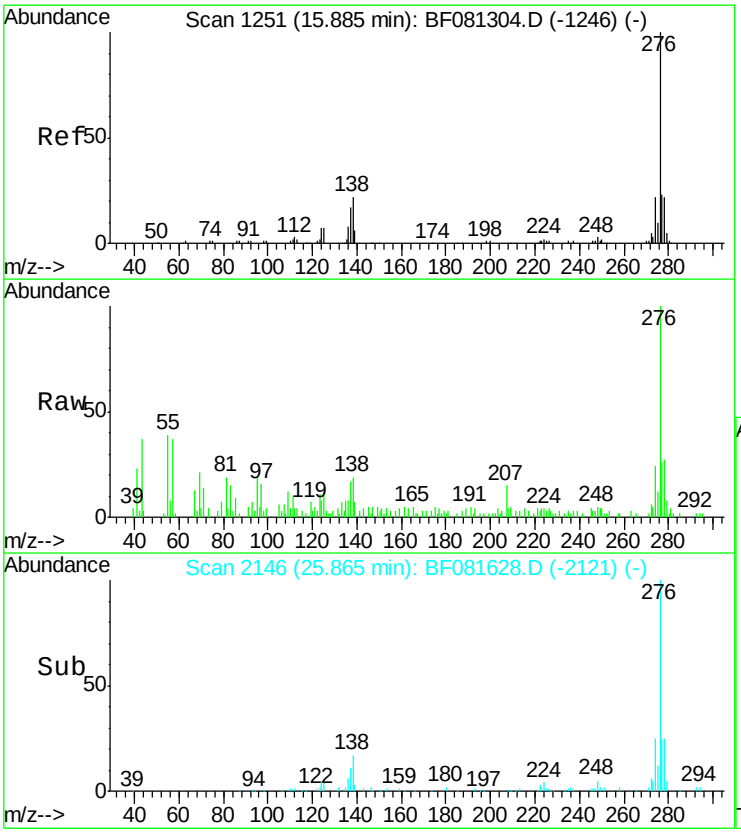
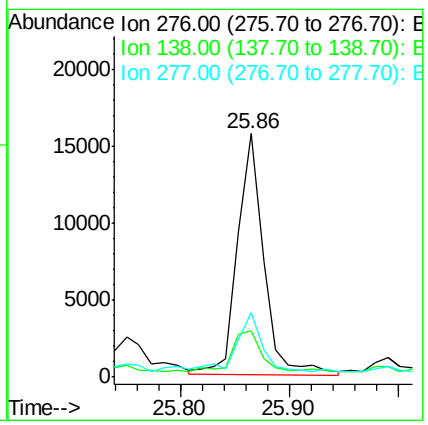
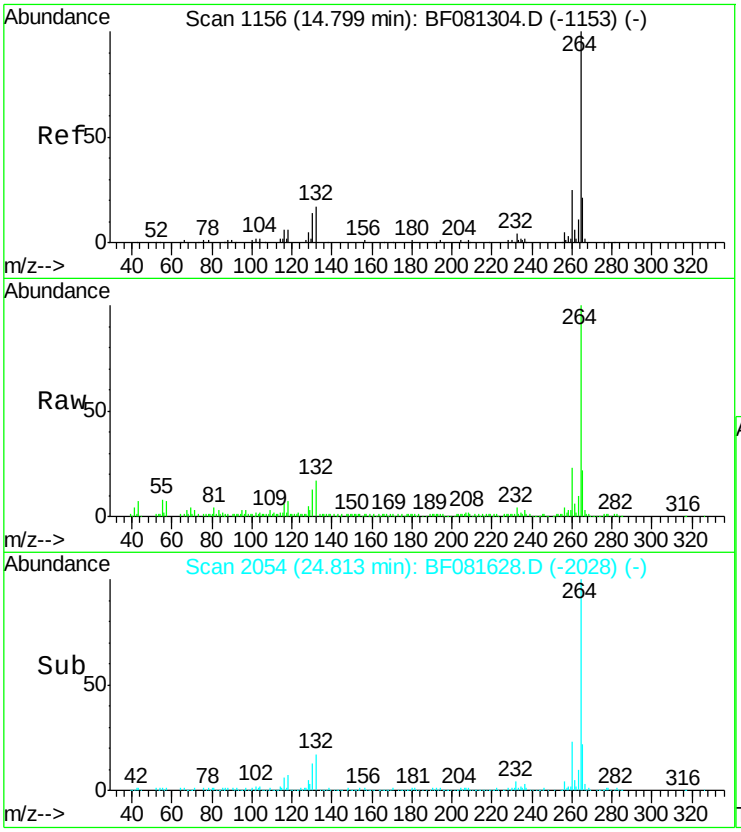


#85
Indeno(1,2,3-cd)pyrene
Concen: 5.90 ng
RT: 25.86 min Scan# 2146
Delta R.T. -0.01 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

Tgt Ion:276 Resp: 26284

Ion	Ratio	Lower	Upper
276	100		
138	19.1	25.7	38.5#
277	30.3	15.6	23.4#

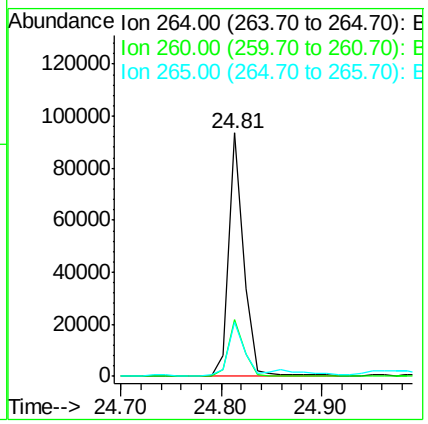




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.81 min Scan# 2054
Delta R.T. -0.00 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

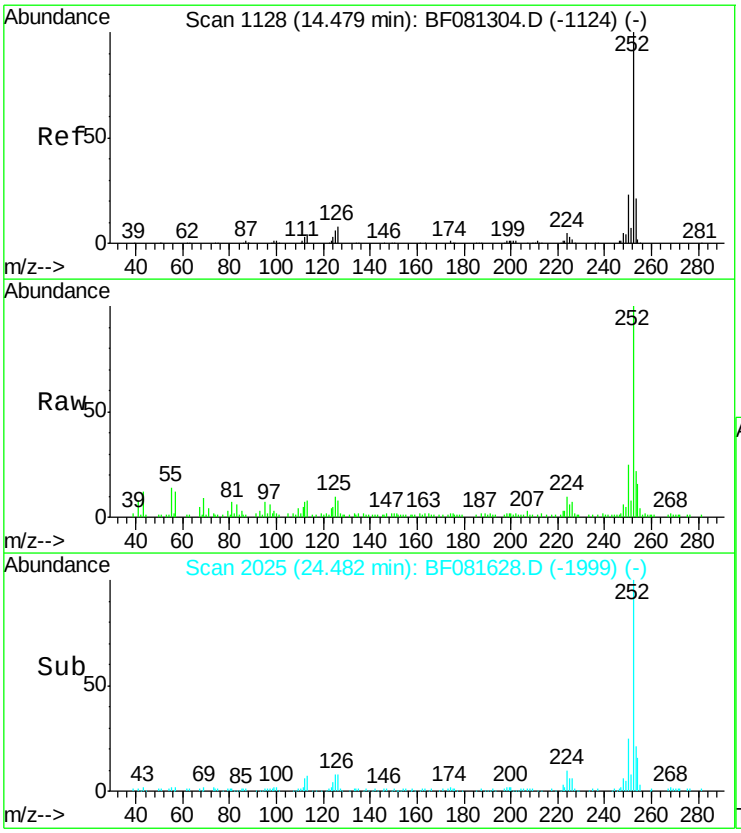
Tgt Ion:264 Resp: 97166

Ion	Ratio	Lower	Upper
264	100		
260	23.4	16.7	25.1
265	22.1	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
GP-7(0-5)

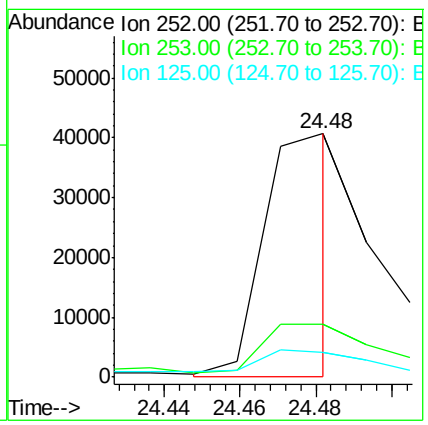
Manual Integrations APPROVED
MMDadoda
9/16/2015 1:23:16 PM

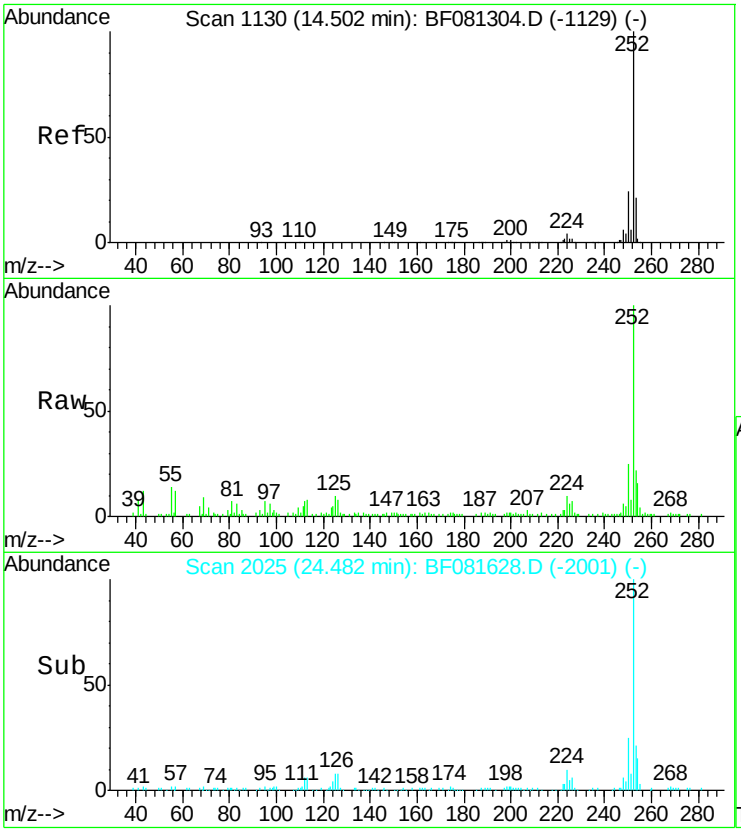


#87
Benzo(b)fluoranthene
Concen: 8.09 ng m
RT: 24.48 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

Tgt Ion:252 Resp: 56110

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.4	17.1	25.7#





#88
Benzo(k)fluoranthene
Concen: 4.50 ng m
RT: 24.48 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

Tgt Ion:252 Resp: 25892

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.4
125	10.4	16.0	24.0#

Instrument :
BNA_F
ClientSampleId :
GP-7(0-5)

Manual Integrations APPROVED
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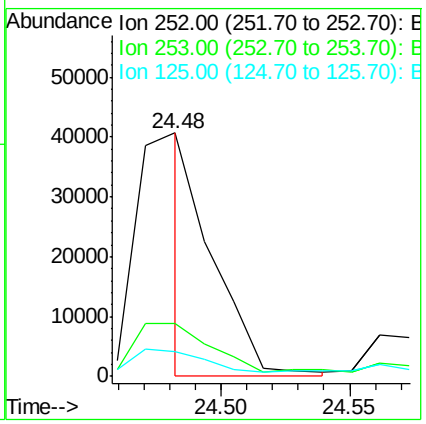
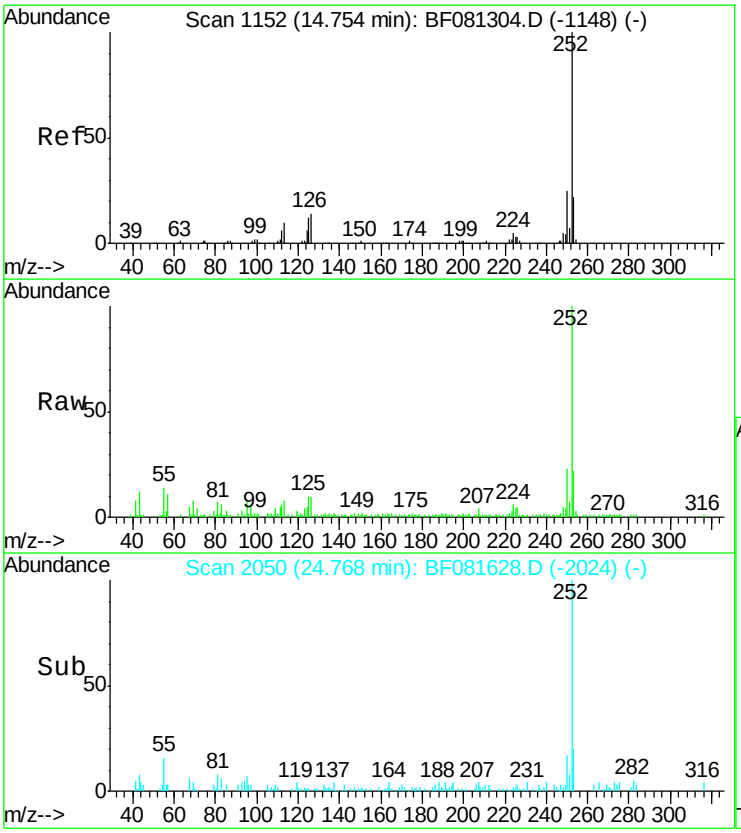
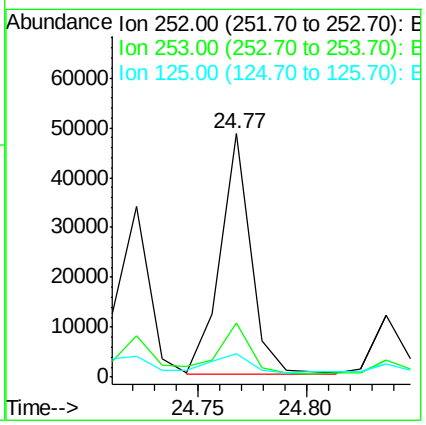


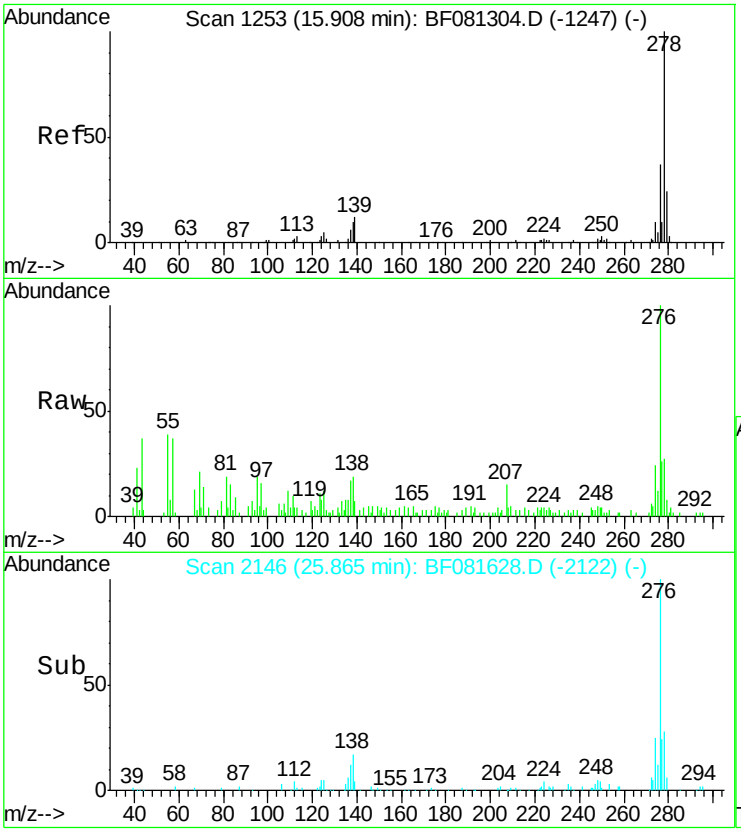


#89
Benzo(a)pyrene
Concen: 8.05 ng
RT: 24.77 min Scan# 2050
Delta R.T. -0.00 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

Tgt Ion:252 Resp: 47340

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	9.7	18.0	27.0#





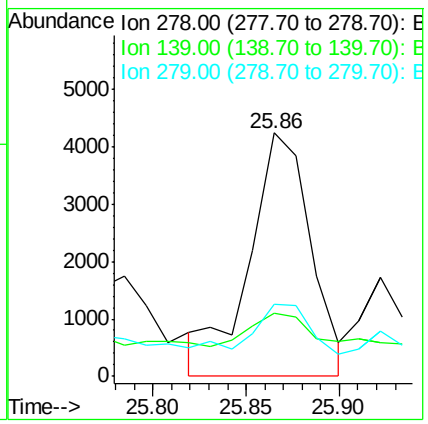
#90
Dibenzo(a,h)anthracene
Concen: 2.14 ng
RT: 25.86 min Scan# 2146
Delta R.T. -0.02 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

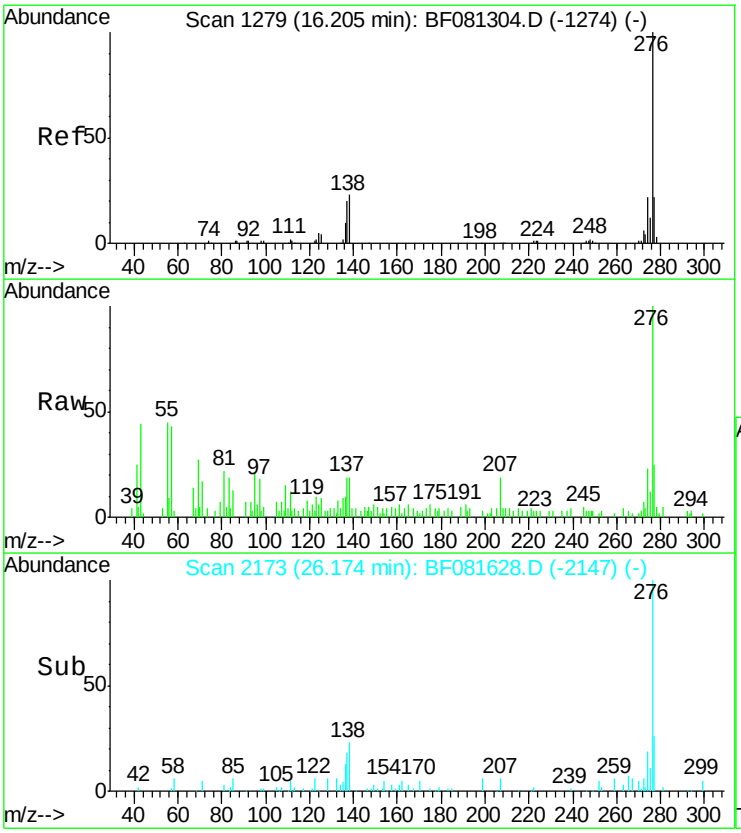
Tgt Ion:278 Resp: 9741

Ion	Ratio	Lower	Upper
278	100		
139	25.7	26.3	39.5#
279	29.8	18.2	27.4#

Instrument :
BNA_F
ClientSampleId :
GP-7(0-5)

Manual Integrations APPROVED
MMDadoda
9/16/2015 1:23:16 PM





#91
Benzo(g,h,i)perylene
Concen: 5.96 ng
RT: 26.17 min Scan# 2173
Delta R.T. -0.00 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

Tgt Ion:276 Resp: 25823

Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.8	26.6
138	19.3	34.6	51.8#