Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
Data File : BF098918.D
Acq On : 28 Sep 2017 20:35
Operator : SJ/JU
Sample : I5448-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106C-(0-5)

Manual Integrations APPROVED
Sohil
9/29/2017 6:04:30 PM

Quant Time: Sep 29 01:57:11 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	161226	20.00	ng		0.00
21) Naphthalene-d8	8.20	136	652929	20.00	ng		0.00
38) Acenaphthene-d10	9.95	164	259551	20.00	ng		-0.01
63) Phenanthrene-d10	11.44	188	366552	20.00	ng		0.00
75) Chrysene-d12	14.08	240	246688	20.00	ng		0.00
86) Perylene-d12	15.58	264	265721	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.55	112	1116396	110.23	ng		0.00
7) Phenol-d6	6.55	99	1335625	106.90	ng		0.00
23) Nitrobenzene-d5	7.48	82	836873	82.20	ng		0.00
41) 2,4,6-Tribromophenol	10.75	330	206156	97.07	ng		0.00
44) 2-Fluorobiphenyl	9.27	172	1343049	86.38	ng		0.00
78) Terphenyl-d14	13.03	244	788092	72.65	ng		0.00
Target Compounds							Qvalue
48) Acenaphthylene	9.82	152	78914	3.078	ng		98
49) Dimethylphthalate	9.66	163	229205	11.700	ng		100
70) Phenanthrene	11.46	178	274278	13.979	ng		98
71) Anthracene	11.52	178	80035	3.987	ng		97
74) Fluoranthene	12.66	202	603760	30.389	ng		98
77) Pyrene	12.89	202	560153	29.778	ng		99
80) Benzo(a)anthracene	14.07	228	365904	24.496	ng		95
82) Chrysene	14.11	228	312750	21.992	ng		98
85) Indeno(1,2,3-cd)pyrene	17.09	276	157688	13.861	ng		99
87) Benzo(b)fluoranthene	15.14	252	441659m	27.033	ng		
88) Benzo(k)fluoranthene	15.16	252	129072m	7.999	ng		
89) Benzo(a)pyrene	15.52	252	324061	21.609	ng		98
90) Dibenzo(a,h)anthracene	17.09	278	50726	4.227	ng	#	84
91) Benzo(g,h,i)perylene	17.54	276	127932	10.784	ng		96

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

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Manual Integrations APPROVED
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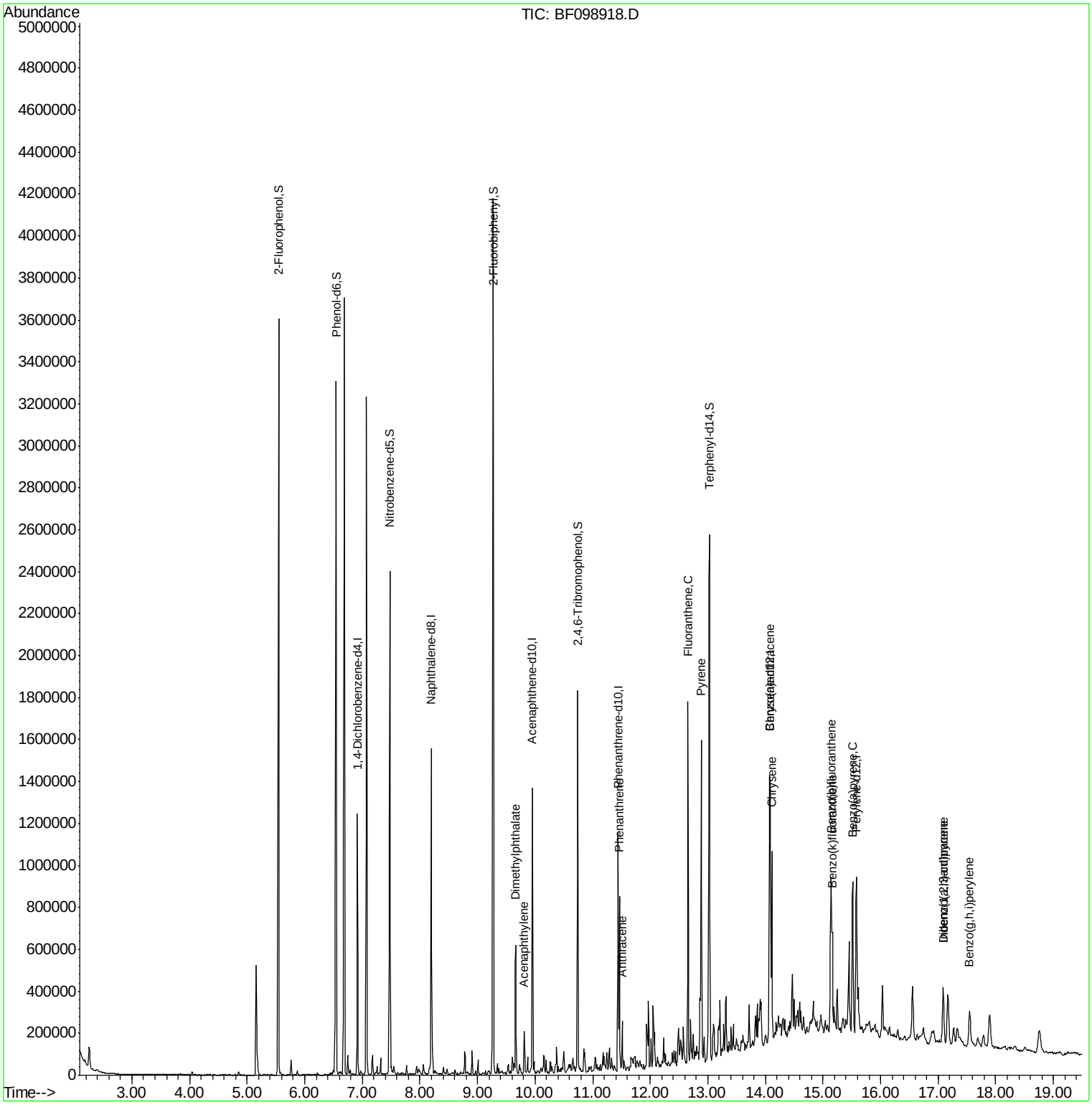
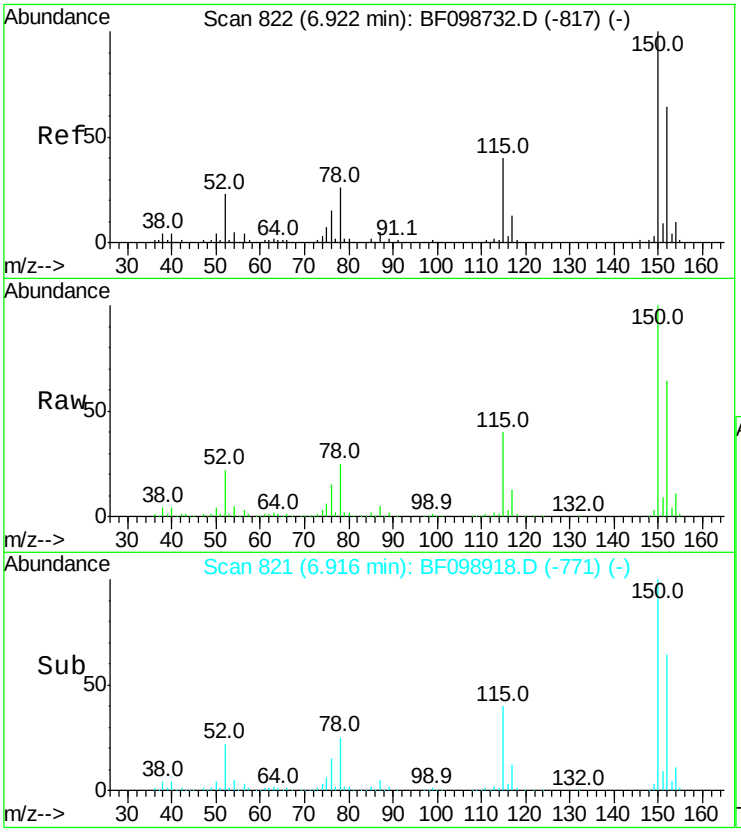
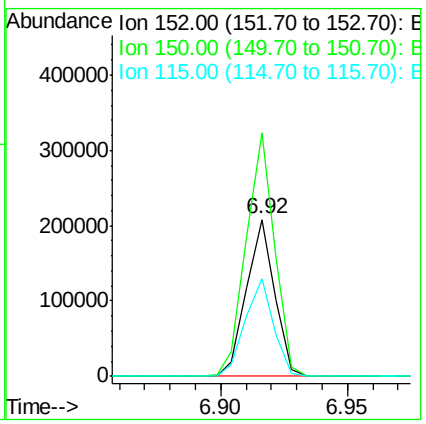




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:152 Resp: 161226

Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	62.6	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106C-(0-5)

Manual Integrations APPROVED
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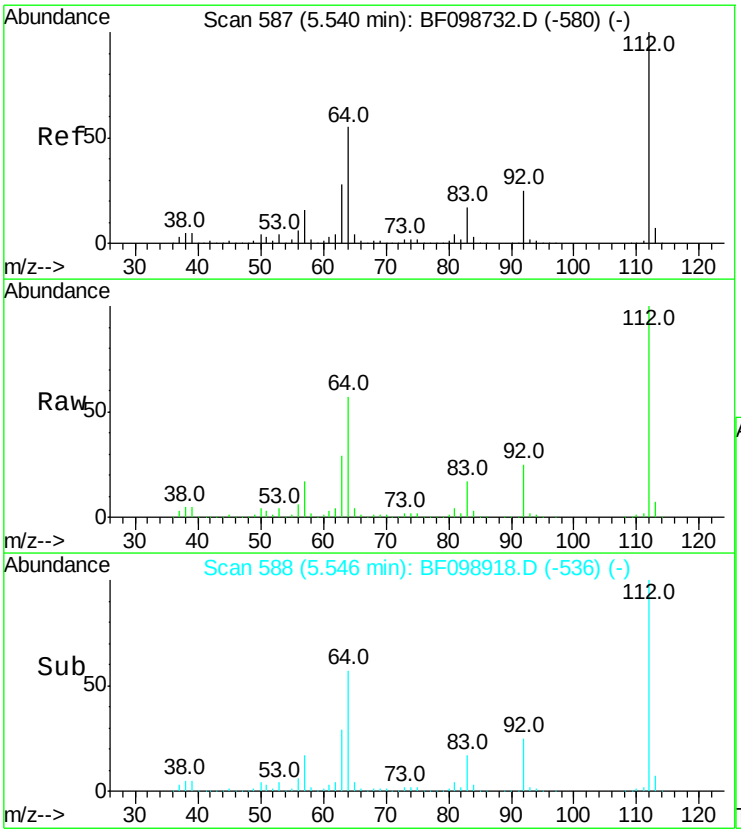
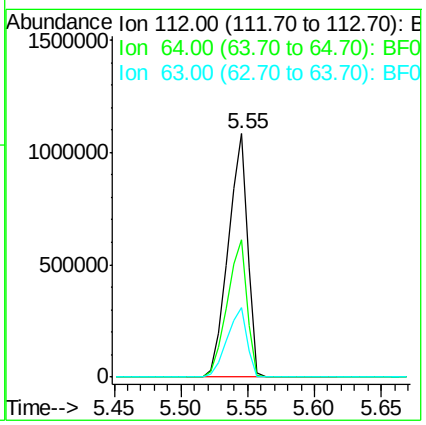
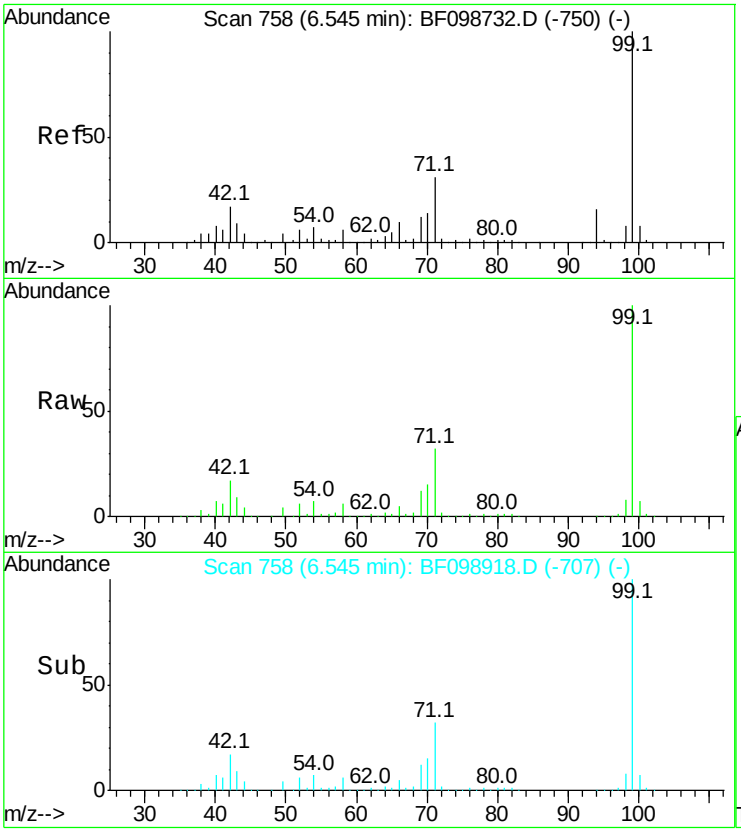


#5
2-Fluorophenol
Concen: 110.230 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.01 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:112 Resp: 1116396

Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.9	71.9
63	28.7	23.7	35.5

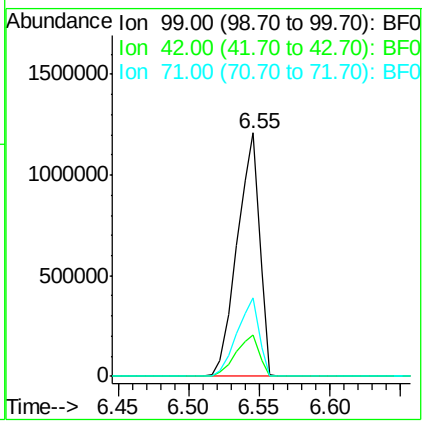




#7
Phenol-d6
Concen: 106.902 ng
RT: 6.55 min Scan# 758
Delta R.T. 0.00 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion: 99 Resp: 1335625

Ion	Ratio	Lower	Upper
99	100		
42	17.2	14.5	21.7
71	32.4	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106C-(0-5)

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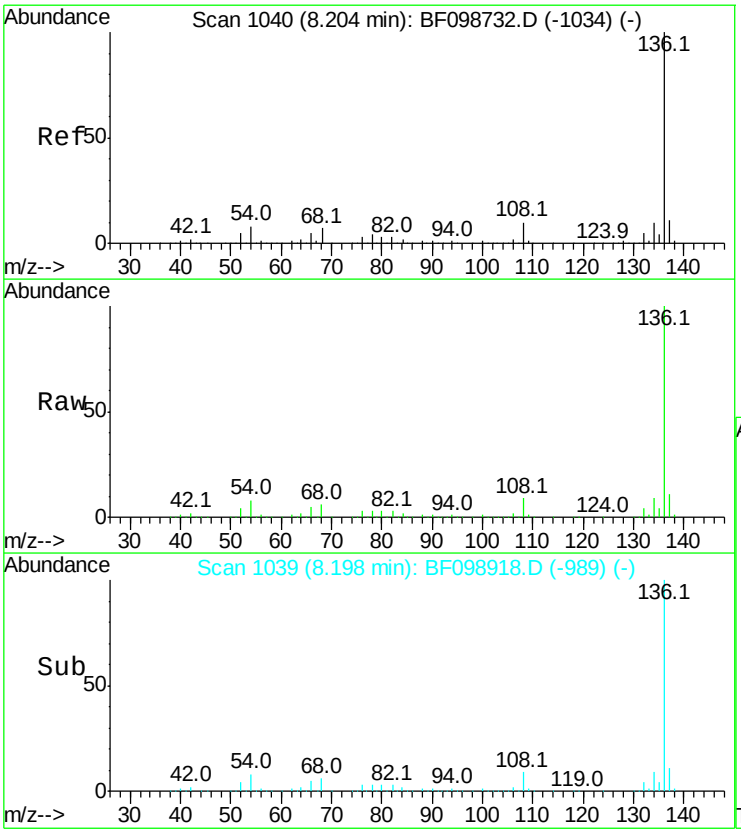
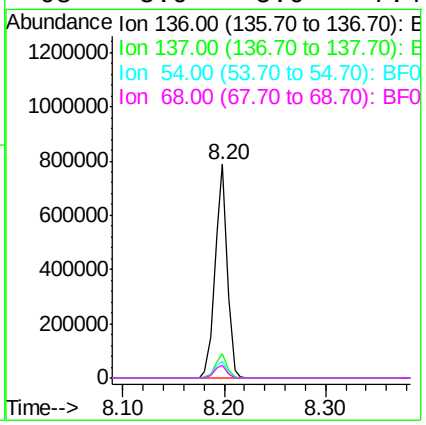
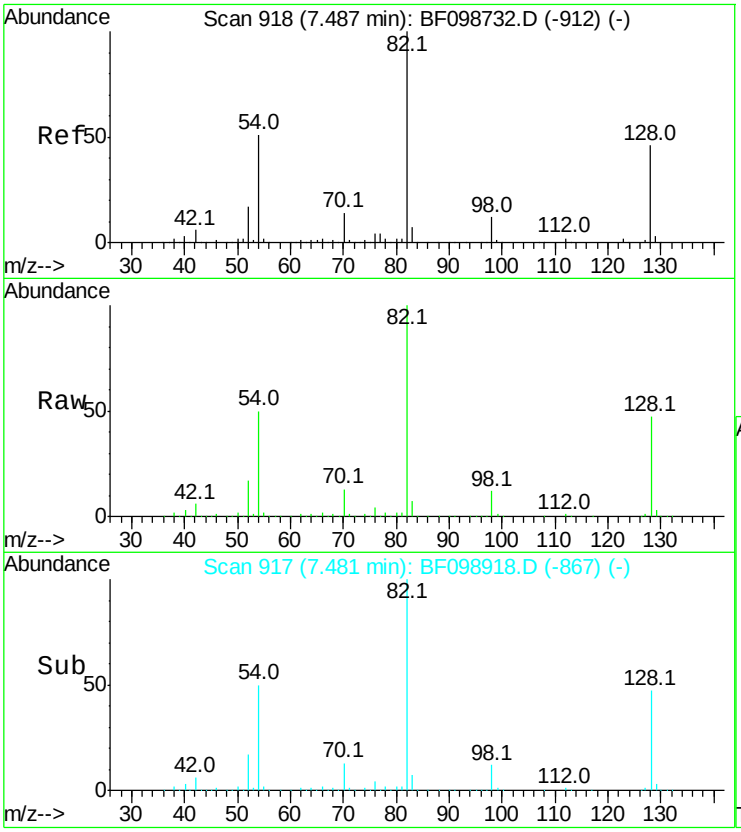


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:136 Resp: 652929

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.5	6.6	9.8
68	5.9	5.0	7.4

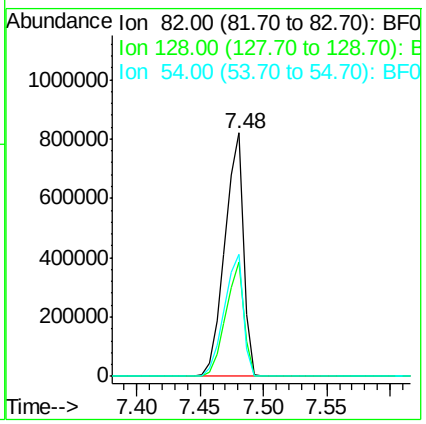




#23
Nitrobenzene-d5
Concen: 82.197 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion: 82 Resp: 836873

Ion	Ratio	Lower	Upper
82	100		
128	47.2	36.1	54.1
54	50.2	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106C-(0-5)

Manual Integrations APPROVED
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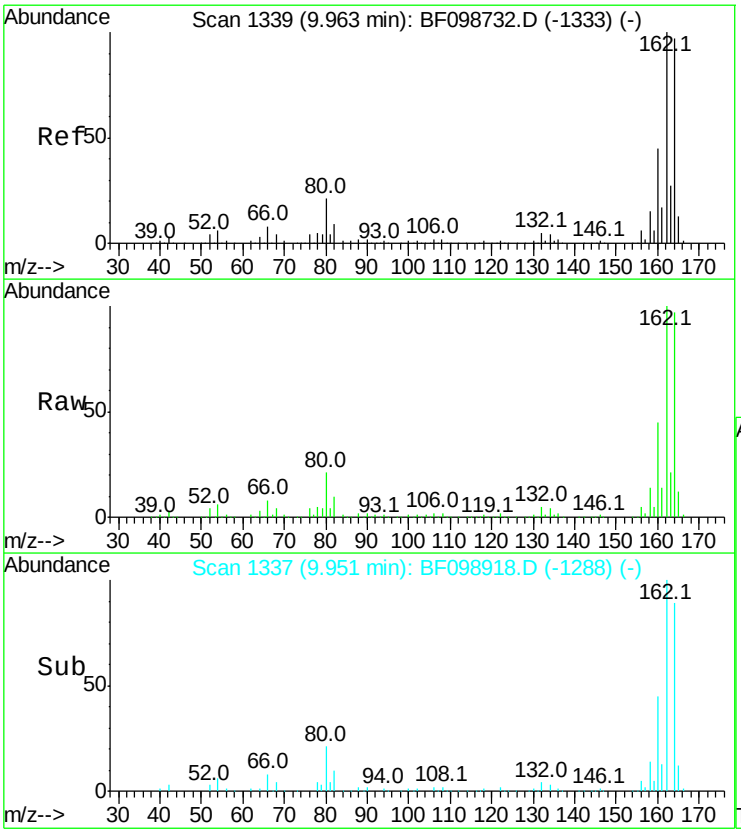
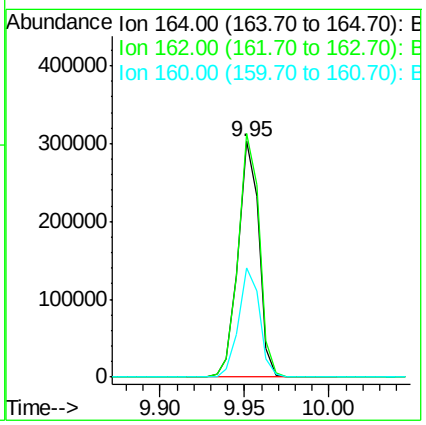
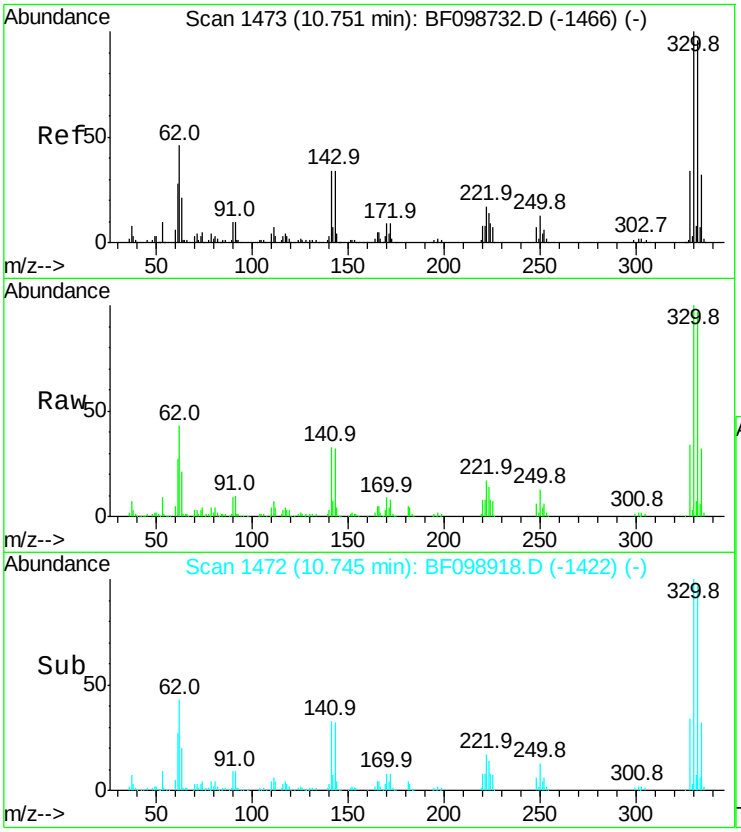


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:164 Resp: 259551

Ion	Ratio	Lower	Upper
164	100		
162	103.3	86.1	129.1
160	46.3	38.3	57.5

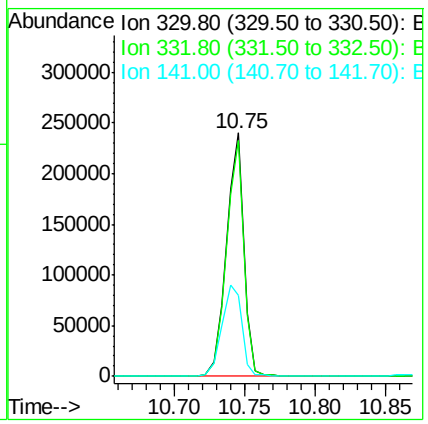




#41
2,4,6-Tribromophenol
Concen: 97.068 ng
RT: 10.75 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:330 Resp: 206156

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	44.1	29.9	44.9



Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106C-(0-5)

Manual Integrations APPROVED
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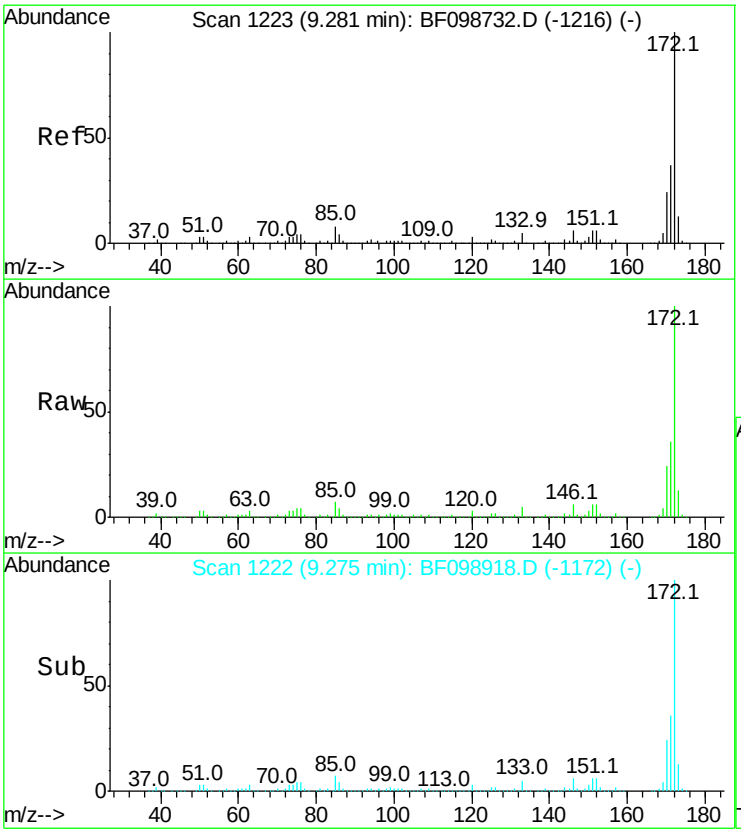
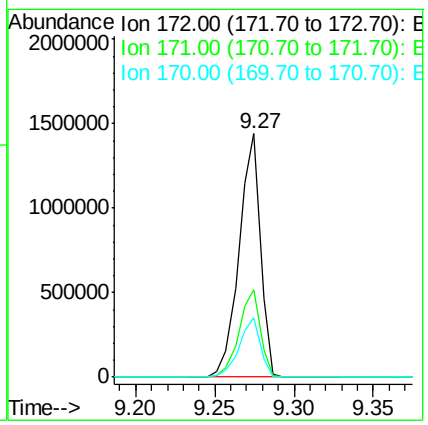
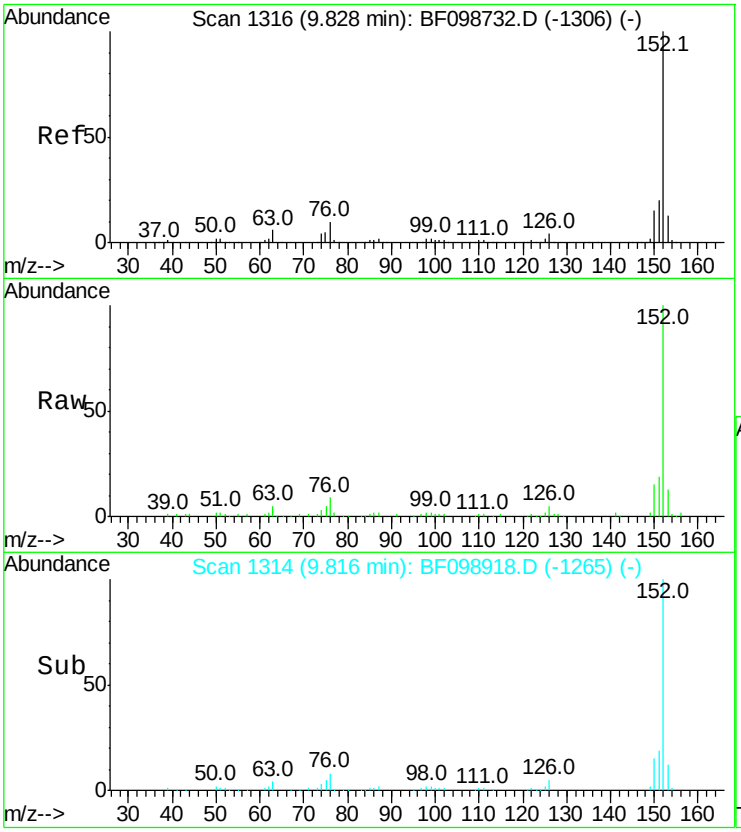


#44
2-Fluorobiphenyl
Concen: 86.384 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:172 Resp: 1343049

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.2	19.6	29.4

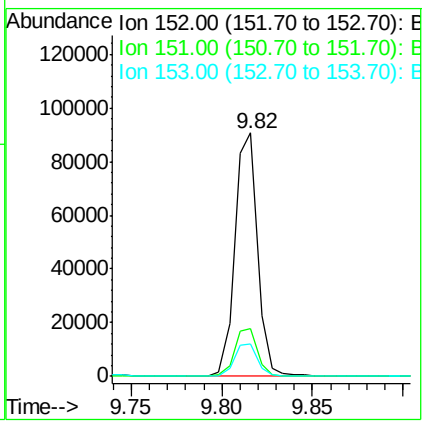




#48
Acenaphthylene
Concen: 3.078 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:152 Resp: 78914

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.3	24.5
153	13.1	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106C-(0-5)

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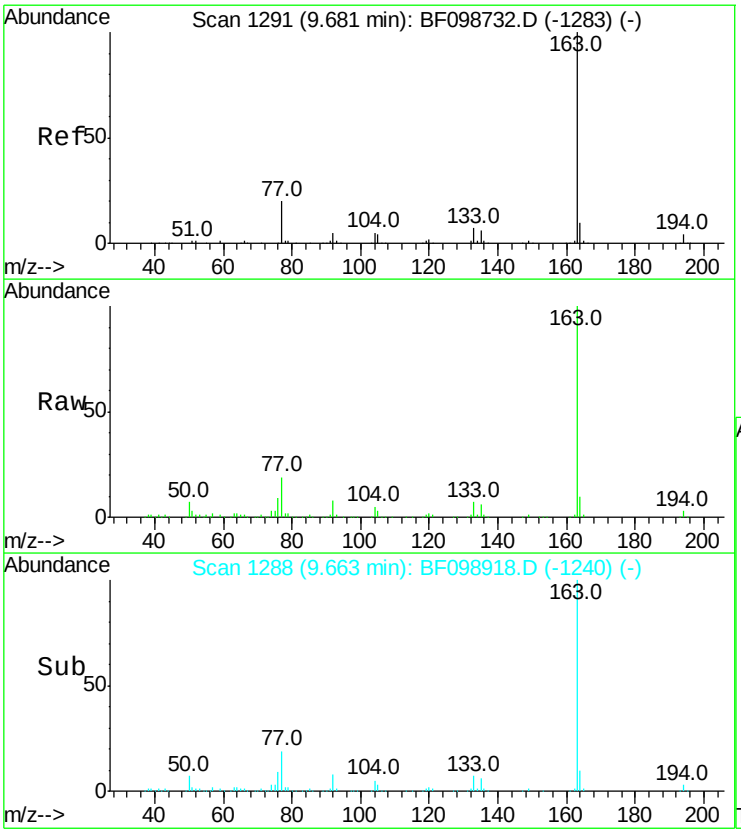
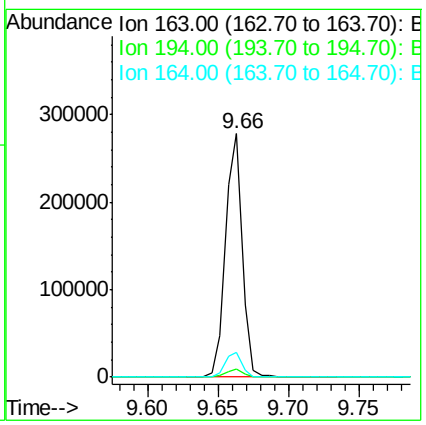
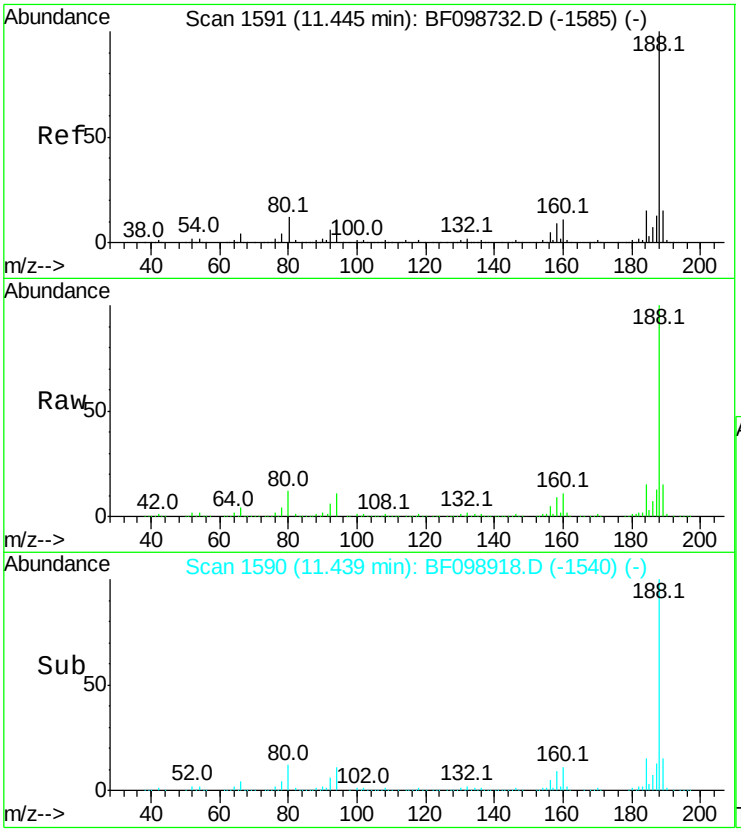


#49
Dimethylphthalate
Concen: 11.700 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:163 Resp: 229205

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.1	8.2	12.2

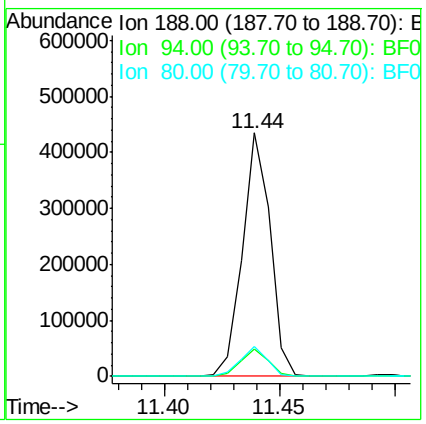




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:188 Resp: 366552

Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	12.2	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106C-(0-5)

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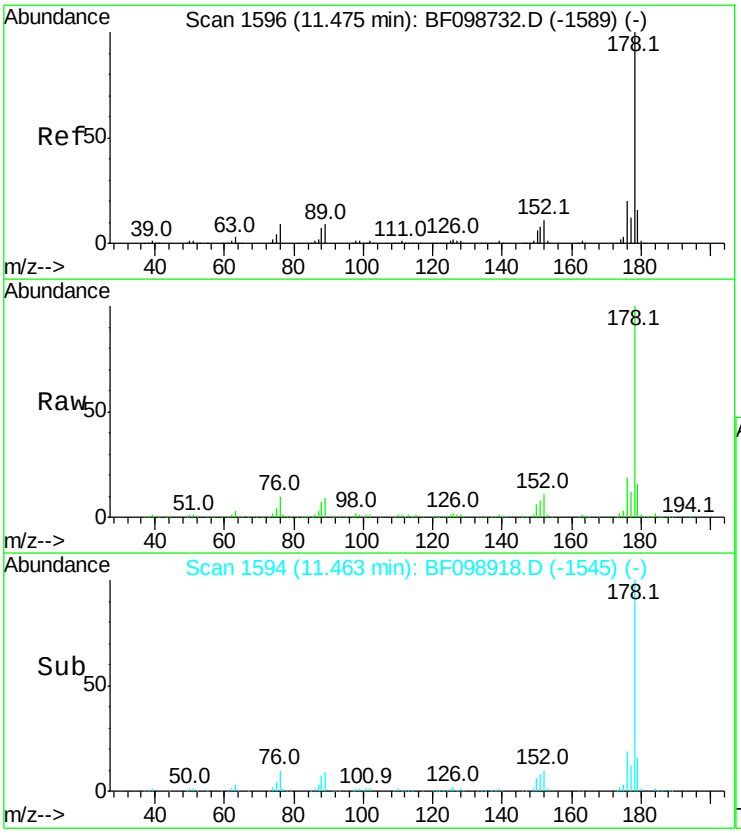
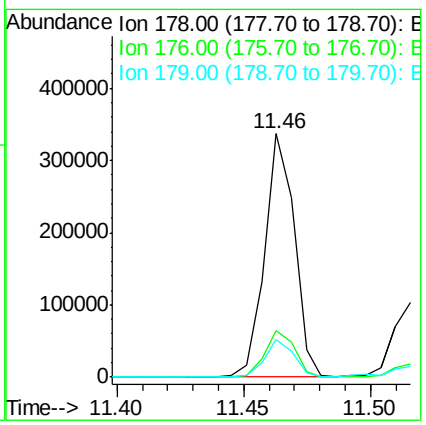
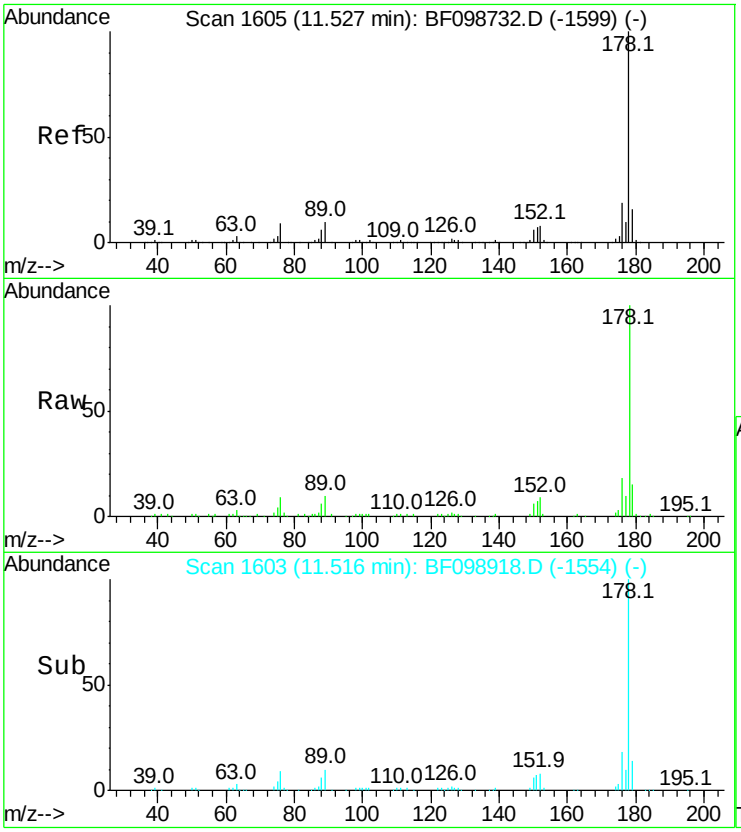


#70
Phenanthrene
Concen: 13.979 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:178 Resp: 274278

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.6	13.0	19.6

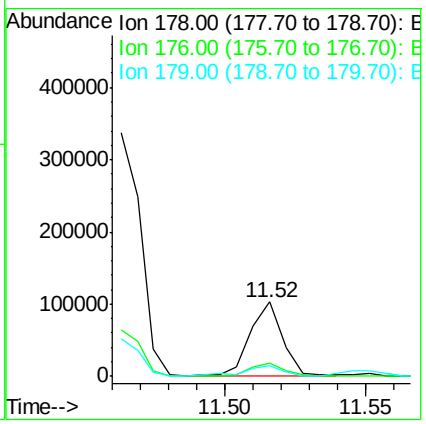




#71
Anthracene
Concen: 3.987 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:178 Resp: 80035

Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	14.6	12.6	19.0



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ClientSampleId :
SASP2P-TP-106C-(0-5)

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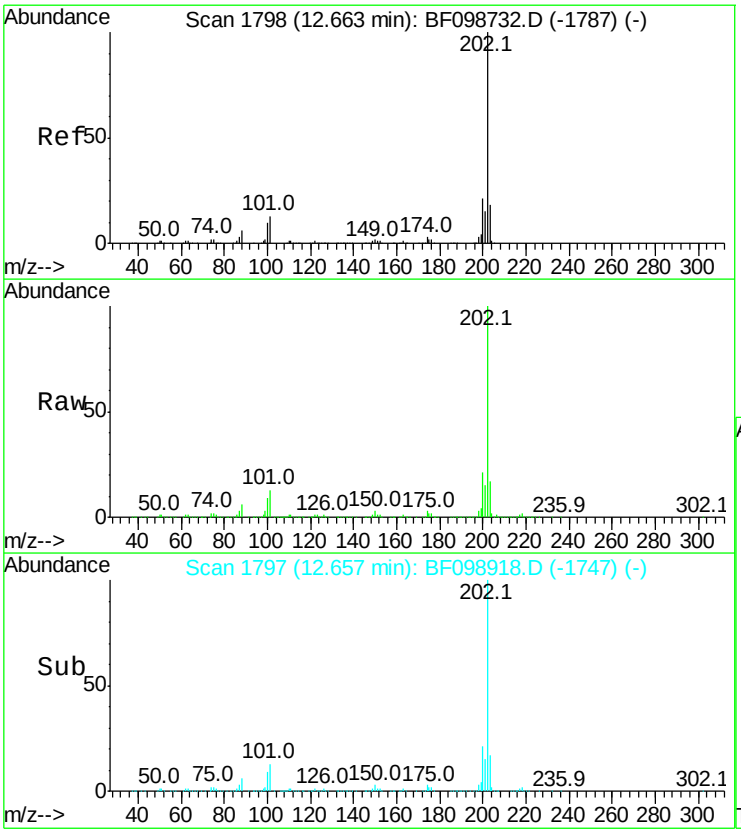
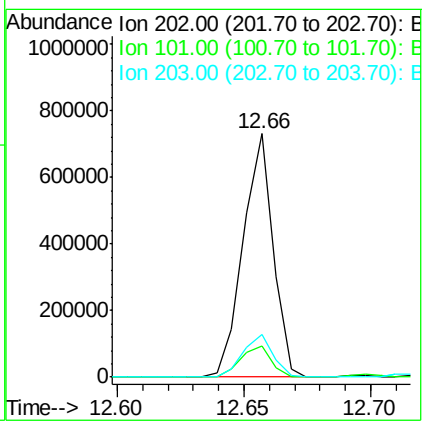
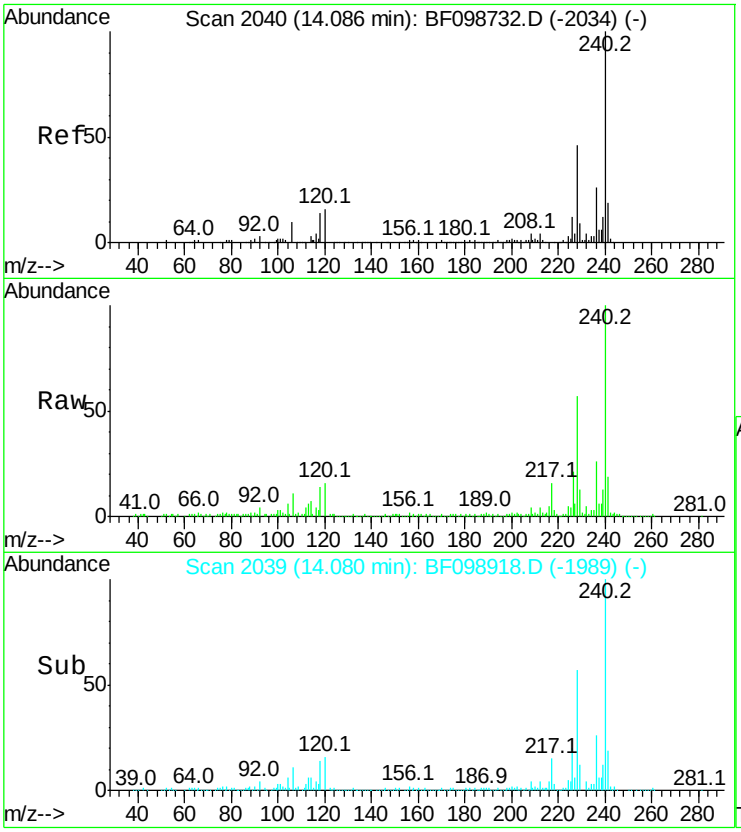


#74
Fluoranthene
Concen: 30.389 ng
RT: 12.66 min Scan# 1797
Delta R.T. -0.01 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:202 Resp: 603760

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	34.1
203	17.4	0.0	38.1

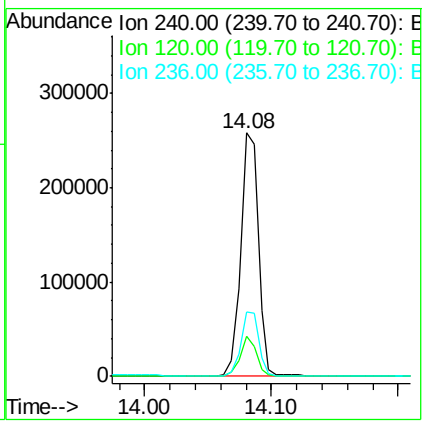




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

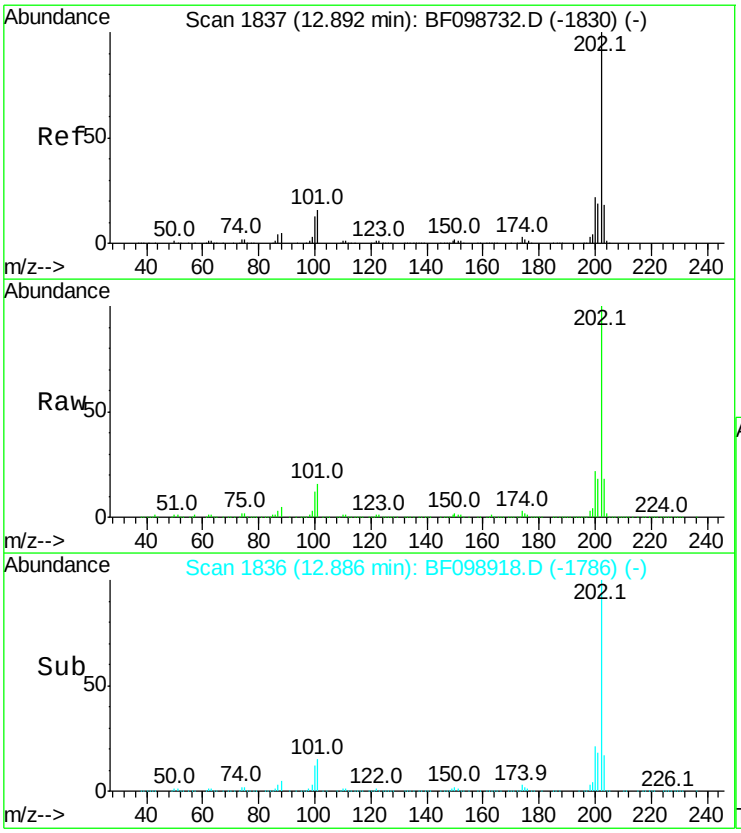
Tgt Ion:240 Resp: 246688

Ion	Ratio	Lower	Upper
240	100		
120	16.4	9.5	14.3#
236	26.2	20.7	31.1



Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106C-(0-5)

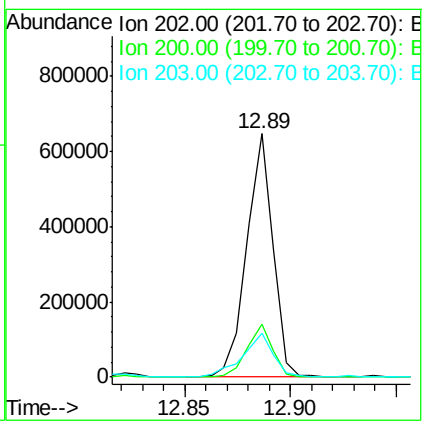
Manual Integrations APPROVED
Sohil
9/29/2017 6:04:30 PM

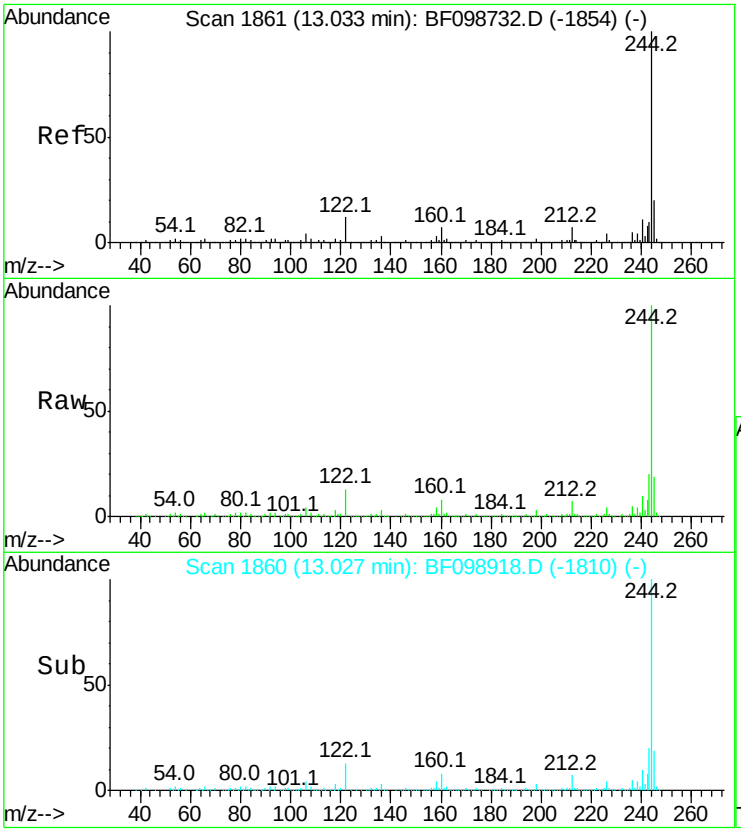


#77
Pyrene
Concen: 29.778 ng
RT: 12.89 min Scan# 1836
Delta R.T. -0.01 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:202 Resp: 560153

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	18.2	14.3	21.5

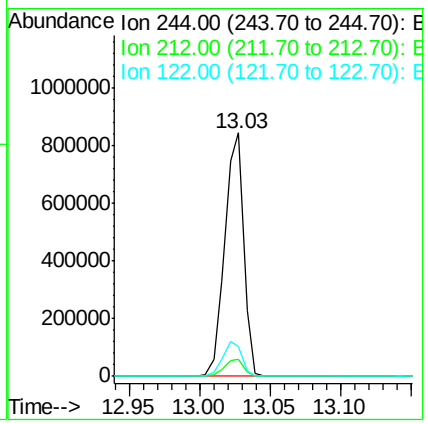




#78
Terphenyl-d14
Concen: 72.654 ng
RT: 13.03 min Scan# 1860
Delta R.T. -0.01 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:244 Resp: 788092

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	12.5	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106C-(0-5)

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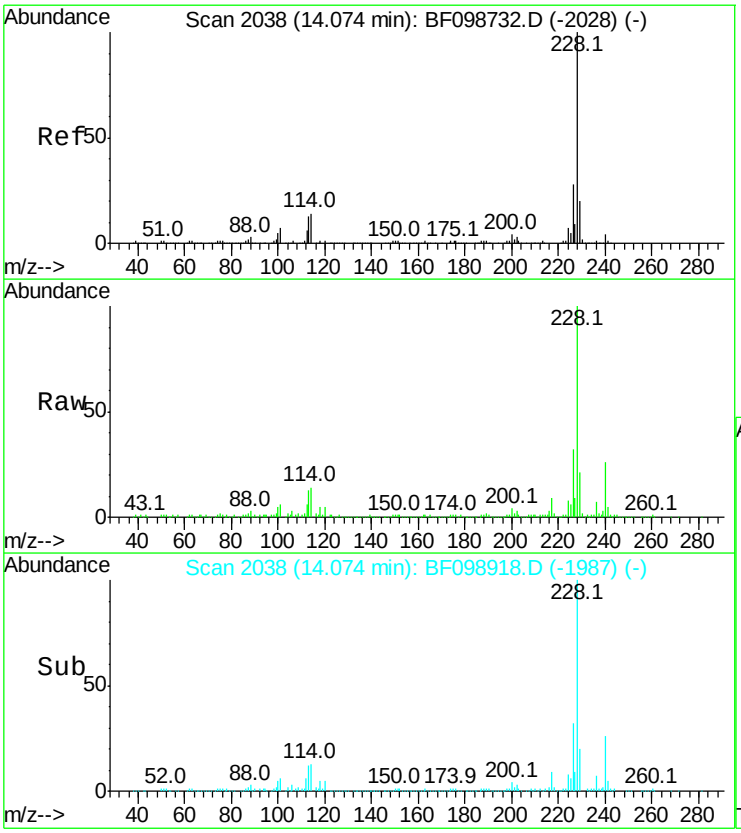
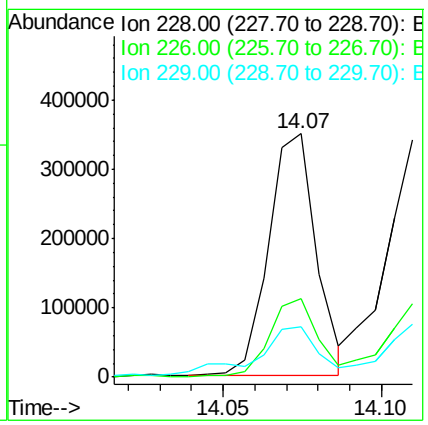
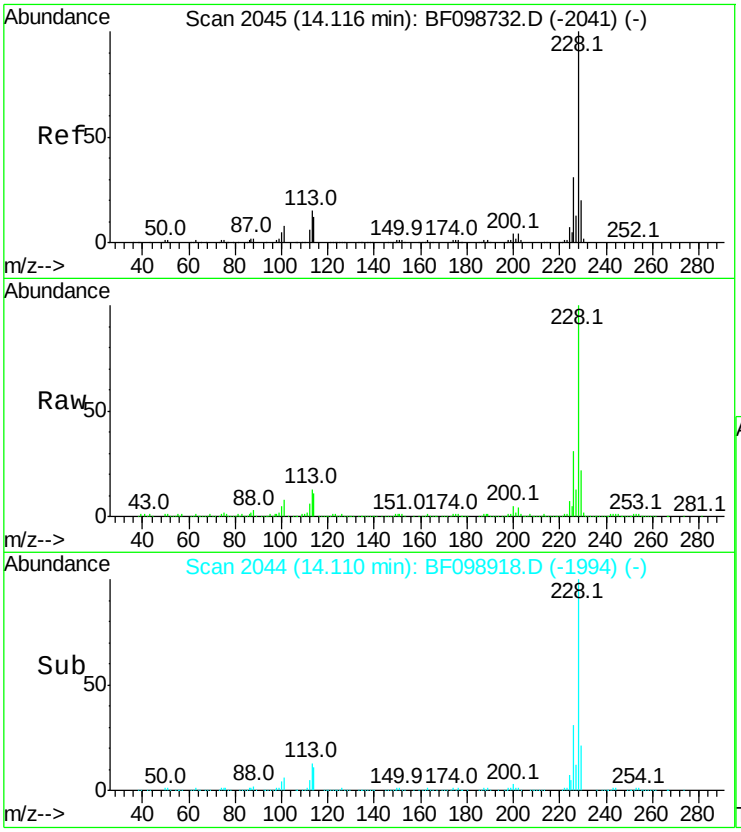


#80
Benzo(a)anthracene
Concen: 24.496 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.00 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:228 Resp: 365904

Ion	Ratio	Lower	Upper
228	100		
226	32.3	22.6	33.8
229	20.6	15.8	23.6

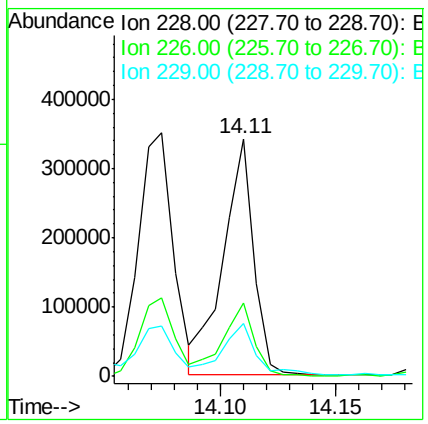




#82
Chrysene
Concen: 21.992 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:228 Resp: 312750

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	22.1	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106C-(0-5)

Manual Integrations APPROVED
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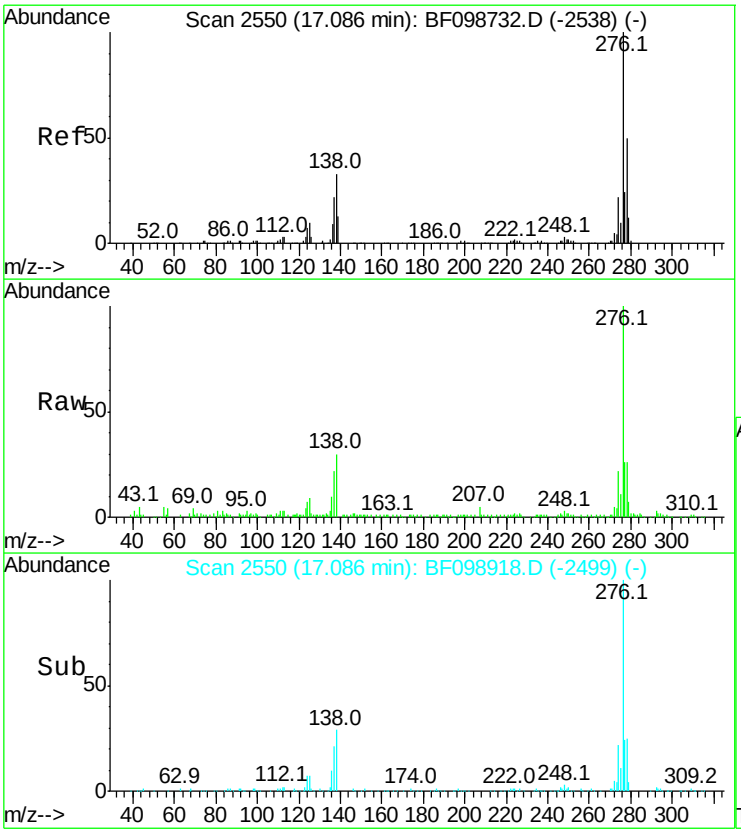
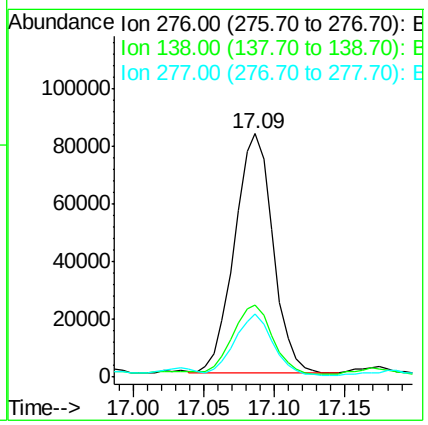
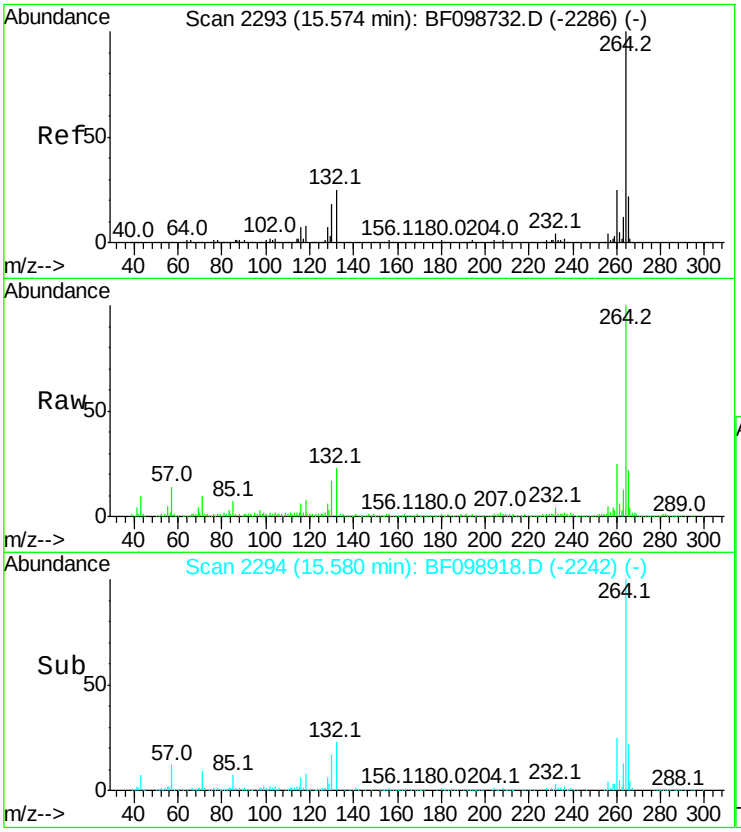


#85
Indeno(1,2,3-cd)pyrene
Concen: 13.861 ng
RT: 17.09 min Scan# 2550
Delta R.T. 0.00 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:276 Resp: 157688

Ion	Ratio	Lower	Upper
276	100		
138	30.2	25.0	37.6
277	24.8	20.1	30.1

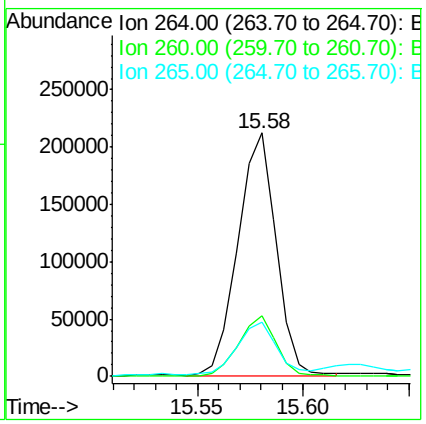




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:264 Resp: 265721

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	22.5	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106C-(0-5)

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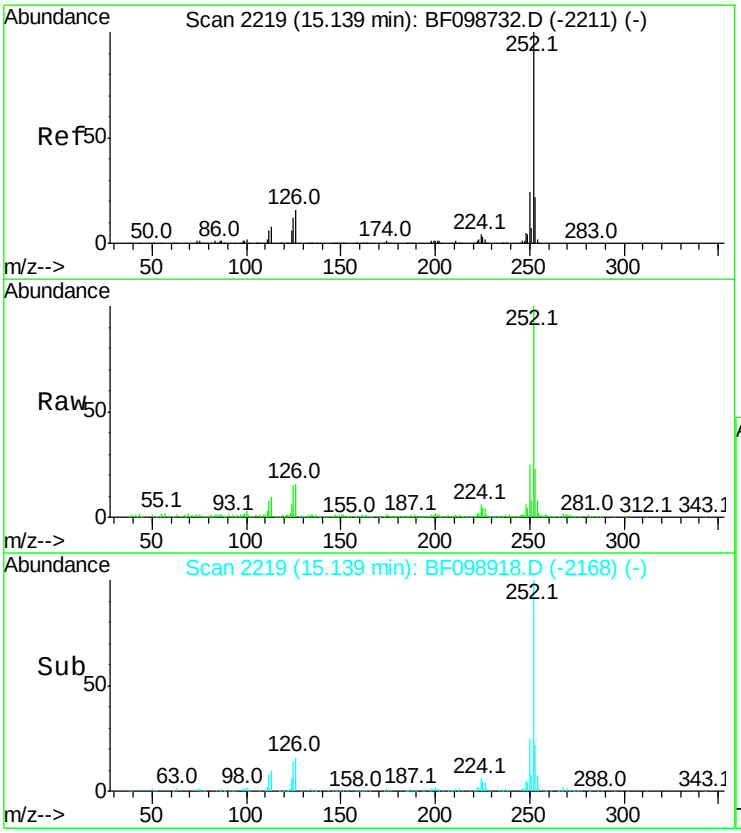
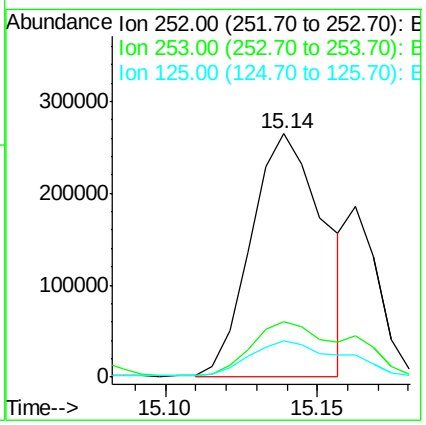
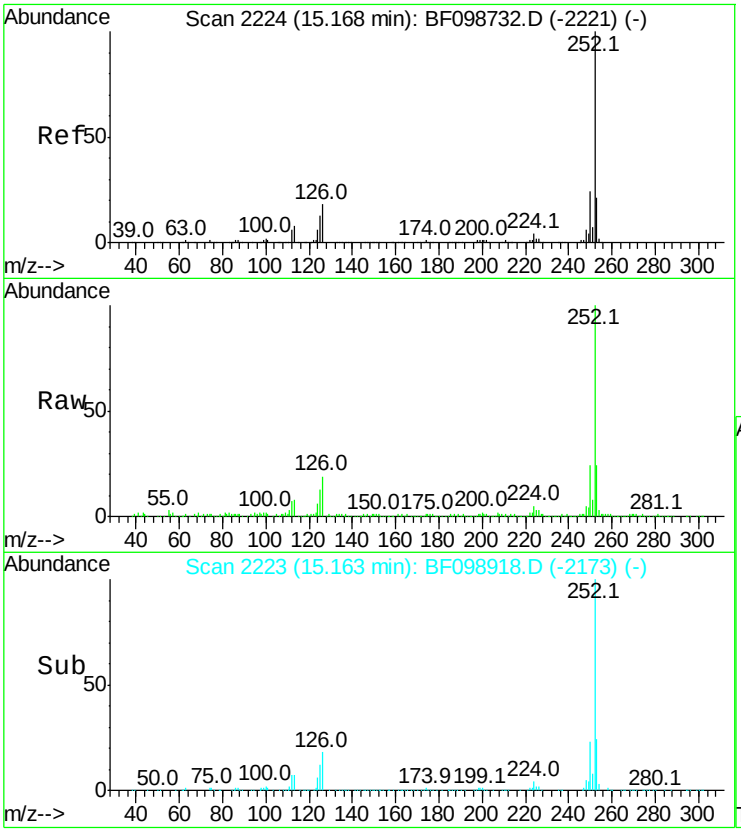


#87
Benzo(b)fluoranthene
Concen: 27.033 ng m
RT: 15.14 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:252 Resp: 441659

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	15.0	9.0	13.6#

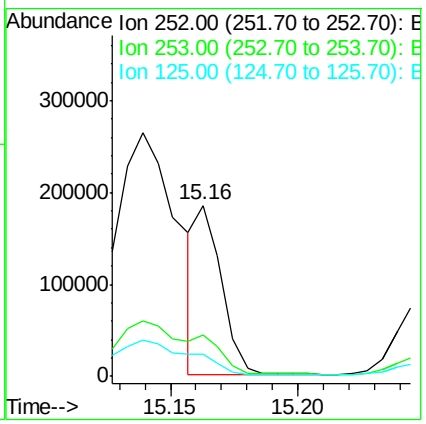




#88
Benzo(k)fluoranthene
Concen: 7.999 ng m
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:252 Resp: 129072

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	13.1	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106C-(0-5)

Manual Integrations APPROVED
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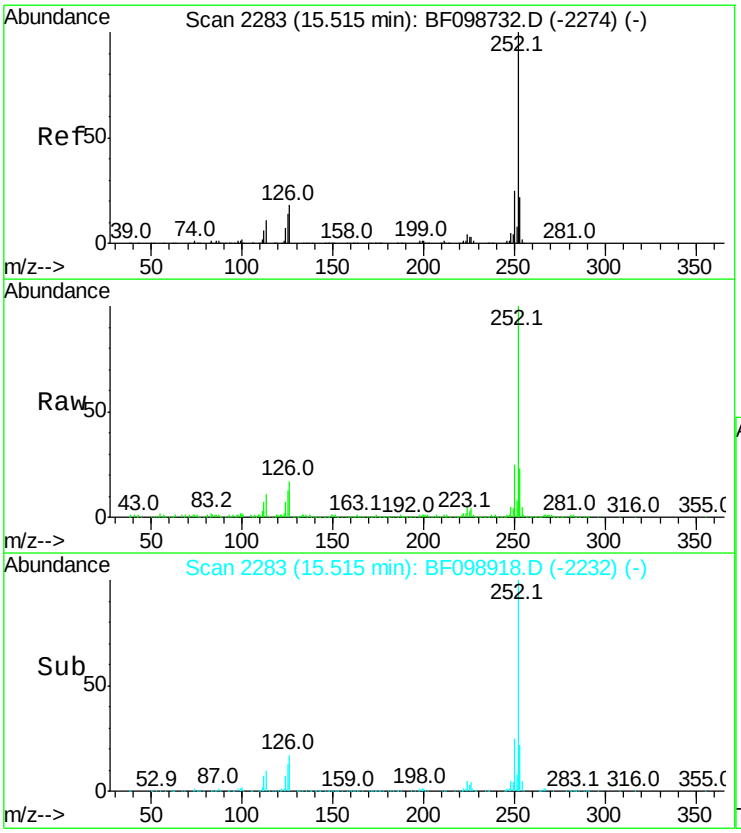
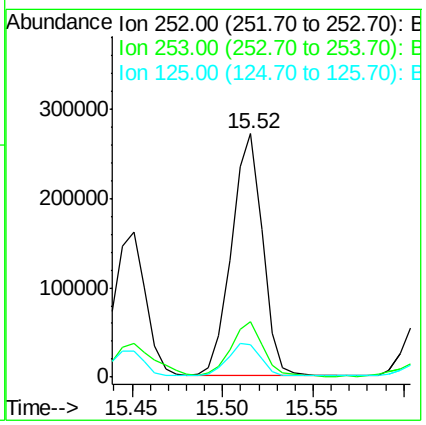
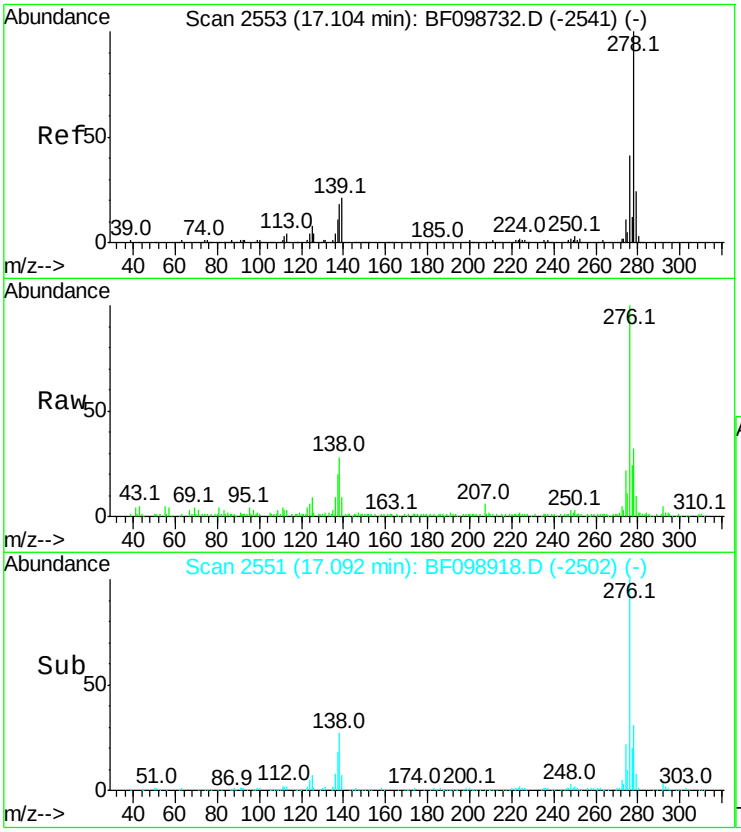


#89
Benzo(a)pyrene
Concen: 21.609 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:252 Resp: 324061

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	13.2	9.8	14.6





#90
Dibenzo(a,h)anthracene
Concen: 4.227 ng
RT: 17.09 min Scan# 2551
Delta R.T. -0.01 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:278 Resp: 50726

Ion	Ratio	Lower	Upper
278	100		
139	28.6	15.9	23.9#
279	30.7	19.0	28.4#

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106C-(0-5)

Manual Integrations APPROVED
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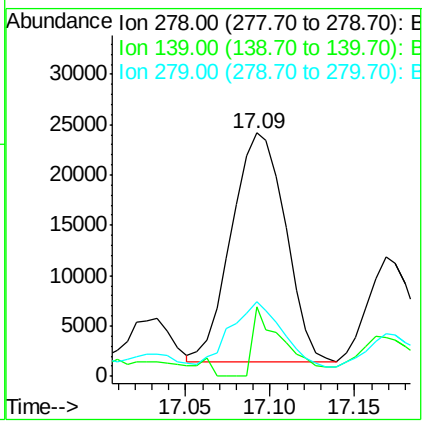

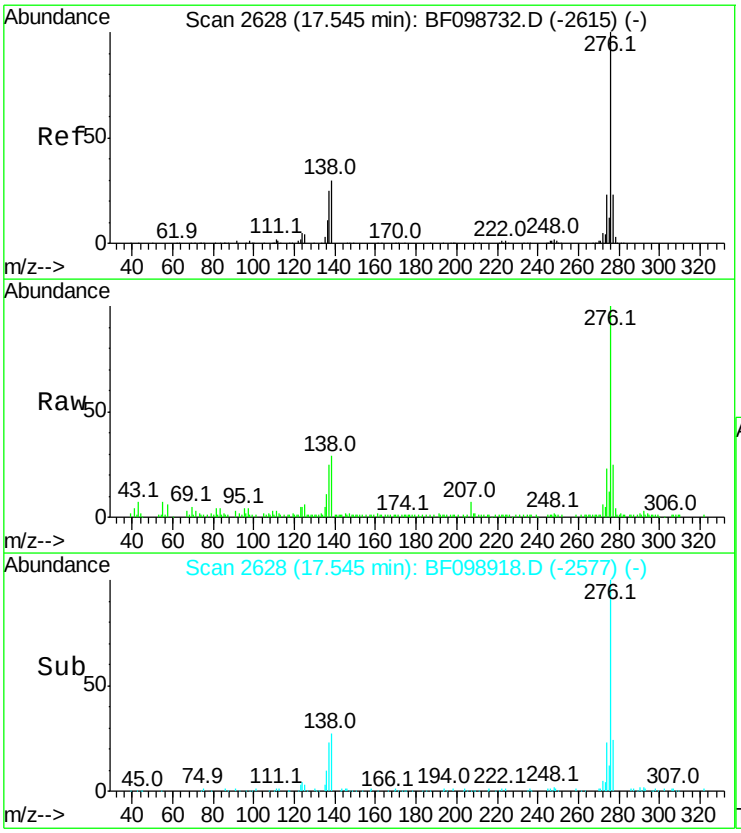

#91
Benzo(g,h,i)perylene
Concen: 10.784 ng
RT: 17.54 min Scan# 2628
Delta R.T. 0.00 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:276 Resp: 127932

Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	28.7	21.8	32.8