Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
Data File : BF099010.D
Acq On : 2 Oct 2017 20:06
Operator : SJ/JU
Sample : I5531-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-63A-3-6

Manual Integrations APPROVED
Sohil
10/3/2017 6:50:52 PM

Quant Time: Oct 03 12:16:50 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	6.91	152	83285	20.00	ng		-0.01
21) Naphthalene-d8	8.20	136	133690	20.00	ng		0.00
38) Acenaphthene-d10	10.03	164	65474m	20.00	ng		0.07
63) Phenanthrene-d10	11.52	188	60149m	20.00	ng		0.08
75) Chrysene-d12	14.09	240	227491	20.00	ng		0.00
86) Perylene-d12	15.57	264	250796	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.52	112	929757	177.71	ng		-0.02
7) Phenol-d6	6.53	99	1055128	163.48	ng		-0.01
23) Nitrobenzene-d5	7.47	82	412017	197.64	ng		-0.01
41) 2,4,6-Tribromophenol	10.84	330	35172	65.65	ng		0.09
44) 2-Fluorobiphenyl	9.33	172	233984	59.66	ng		0.05
78) Terphenyl-d14	13.05	244	556603	55.64	ng		0.01
Target Compounds							Qvalue
10) Phenol	6.55	94	18250	2.528	ng	#	55
31) Naphthalene	8.24	128	484187	77.113	ng	#	1
37) 2-Methylnaphthalene	8.99	142	2718915	666.105	ng	#	94
48) Acenaphthylene	9.83	152	164414m	25.421	ng		
57) Fluorene	10.60	166	411670m	93.893	ng		
70) Phenanthrene	11.56	178	1137688m	353.362	ng		
71) Anthracene	11.60	178	142923m	43.385	ng		
74) Fluoranthene	12.71	202	327755	100.532	ng		94
77) Pyrene	12.92	202	485453m	27.985	ng		
80) Benzo(a)anthracene	14.07	228	124888	9.066	ng	#	91
82) Chrysene	14.11	228	129952	9.909	ng	#	95
85) Indeno(1,2,3-cd)pyrene	17.07	276	31518	3.004	ng		96
87) Benzo(b)fluoranthene	15.13	252	114212m	7.407	ng		
88) Benzo(k)fluoranthene	15.15	252	40456m	2.656	ng		
89) Benzo(a)pyrene	15.50	252	72059	5.091	ng	#	82
91) Benzo(g,h,i)perylene	17.53	276	30244	2.701	ng	#	84

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
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Acq On : 2 Oct 2017 20:06
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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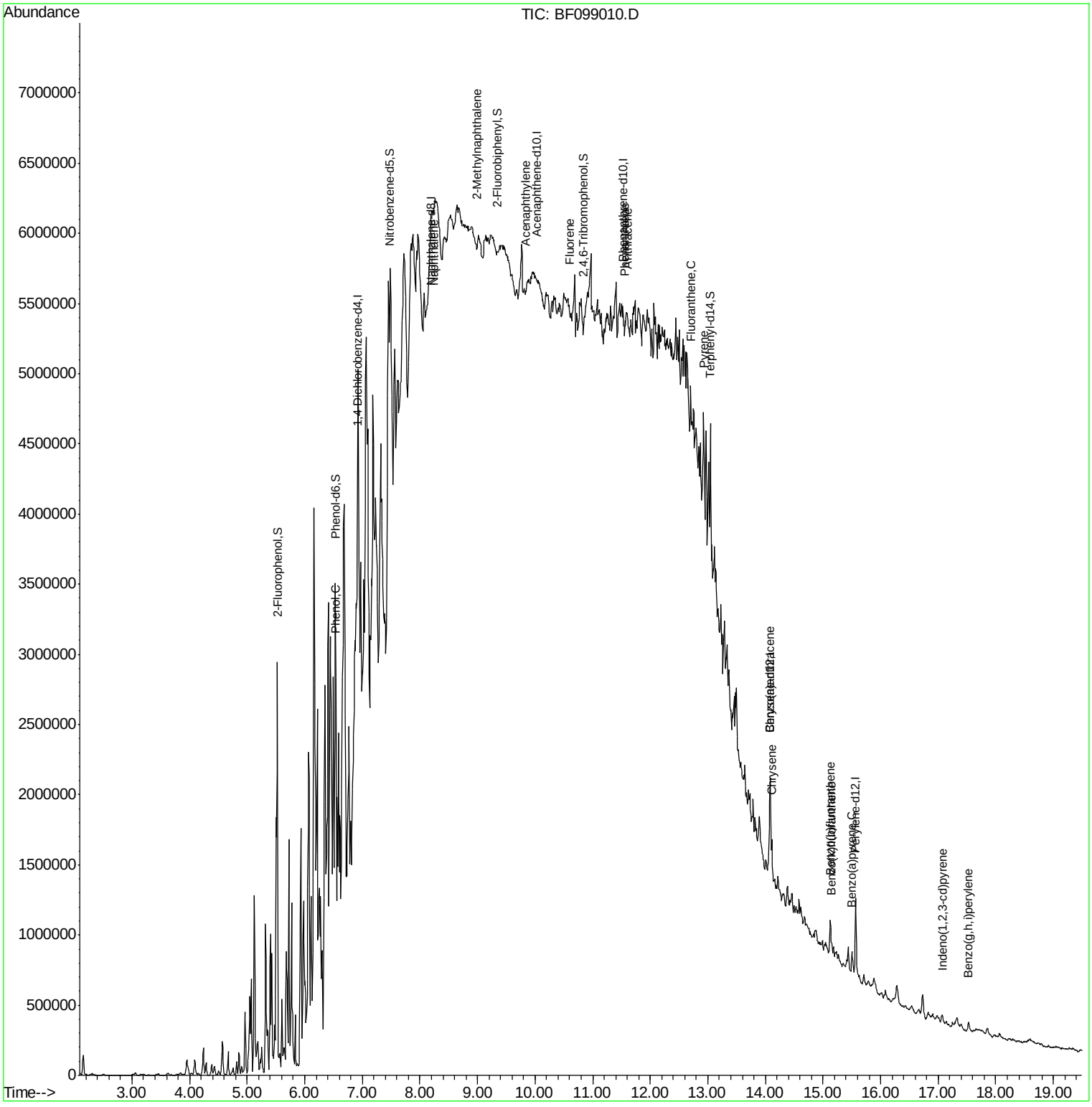
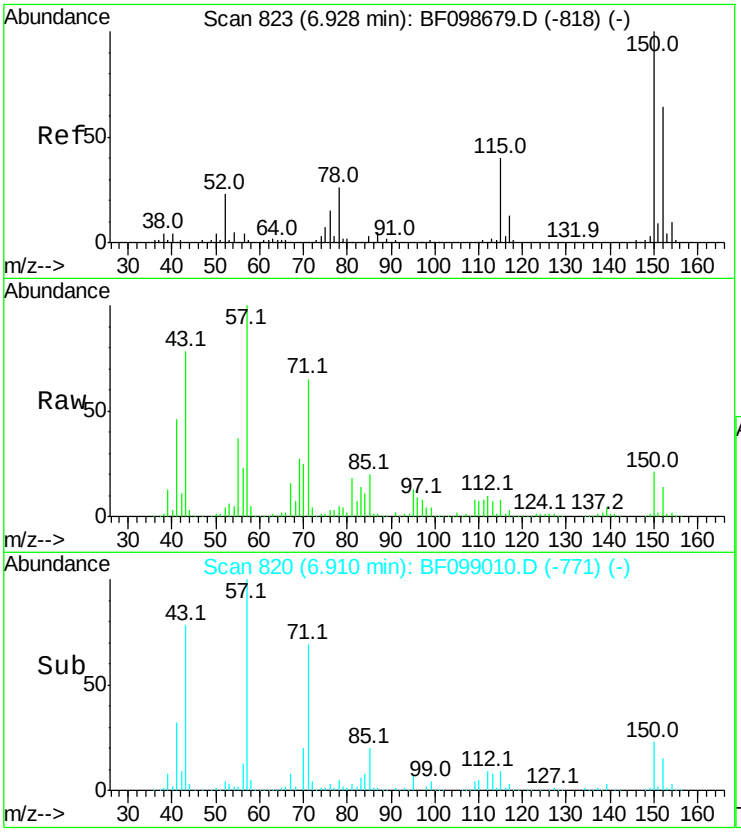
Instrument :
BNA_F
ClientSampleId :
G-63A-3-6

Manual Integrations APPROVED
Sohil
10/3/2017 6:50:52 PM

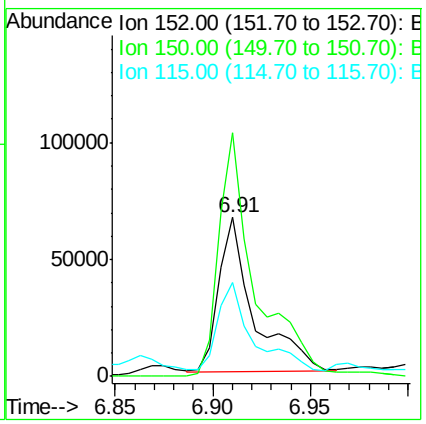




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion:152 Resp: 83285

Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.6	186.8
115	59.3	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
G-63A-3-6

Manual Integrations APPROVED
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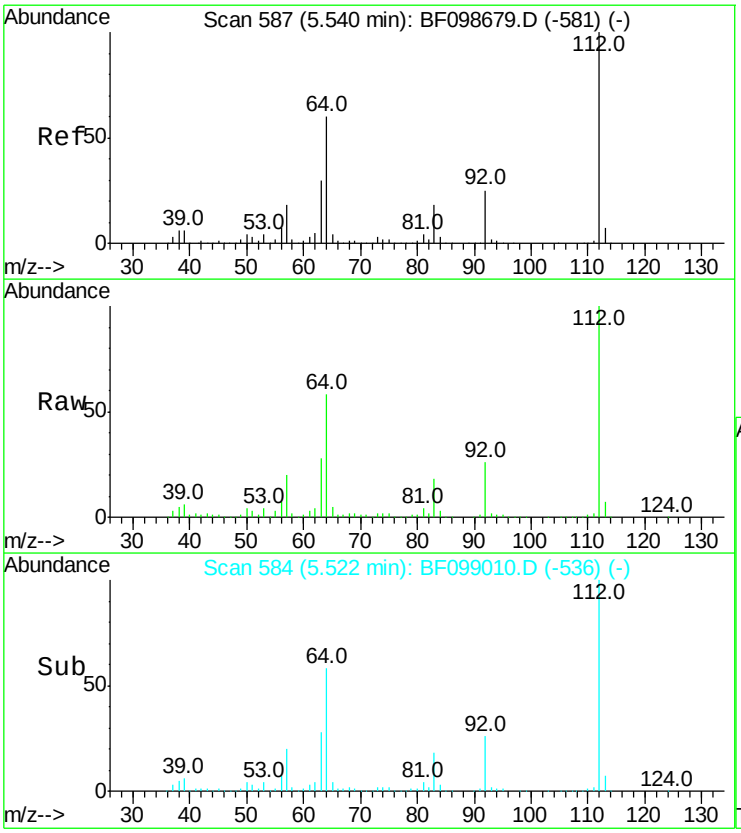
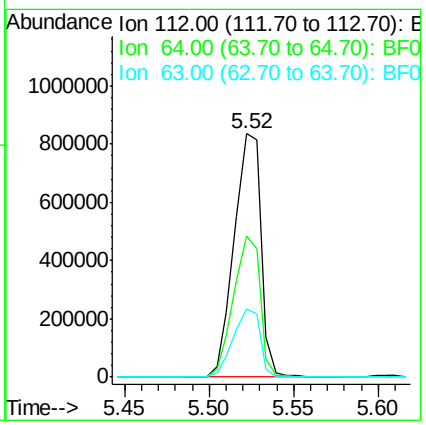
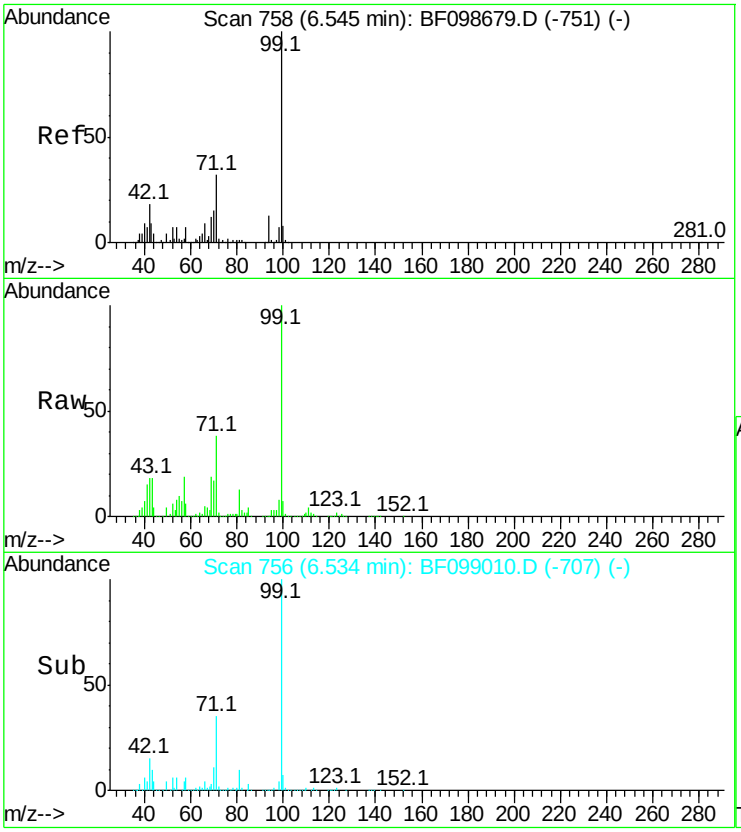


#5
2-Fluorophenol
Concen: 177.713 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion:112 Resp: 929757

Ion	Ratio	Lower	Upper
112	100		
64	58.2	47.9	71.9
63	28.2	23.7	35.5

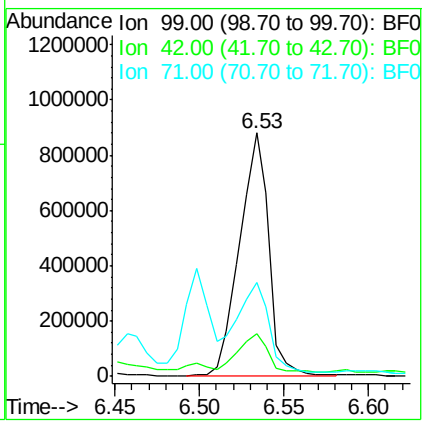




#7
Phenol-d6
Concen: 163.484 ng
RT: 6.53 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion: 99 Resp: 1055128

Ion	Ratio	Lower	Upper
99	100		
42	17.5	14.5	21.7
71	38.4	25.4	38.0#



Instrument :
BNA_F
ClientSampleId :
G-63A-3-6

Manual Integrations APPROVED
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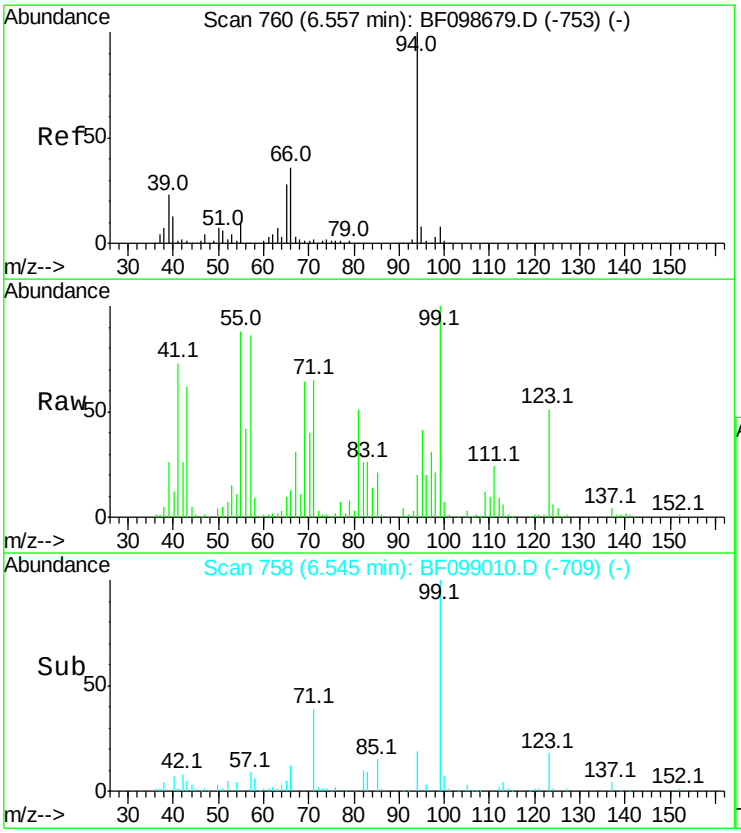
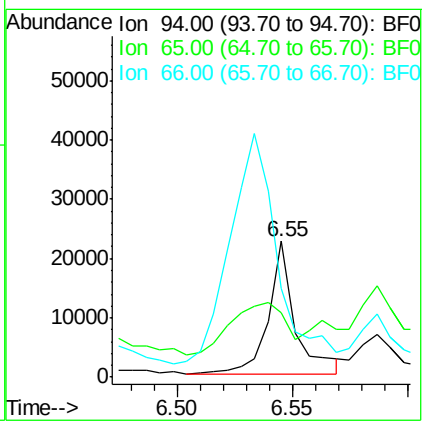
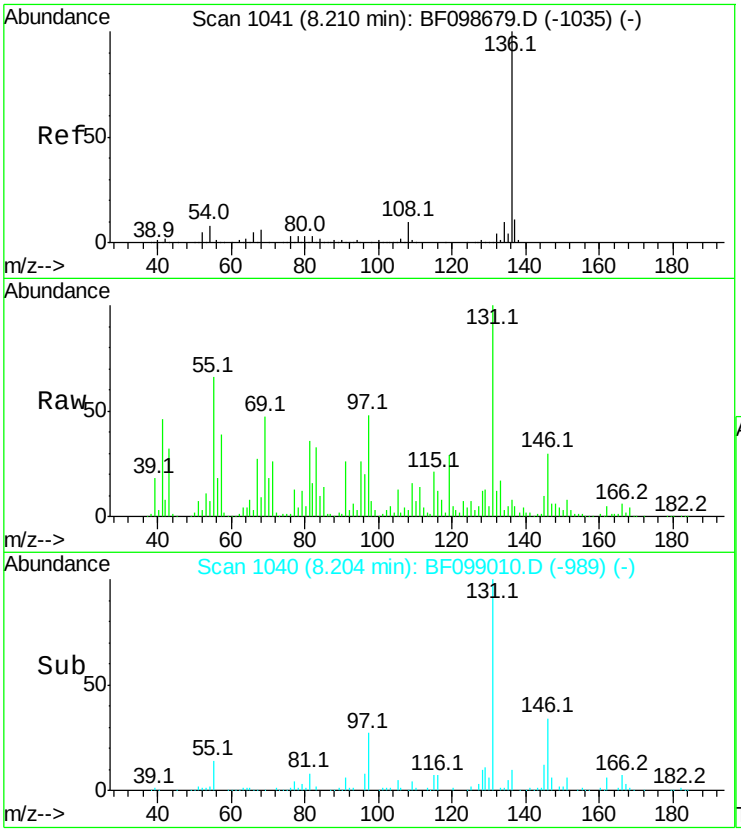


#10
Phenol
Concen: 2.528 ng
RT: 6.55 min Scan# 758
Delta R.T. -0.01 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion: 94 Resp: 18250

Ion	Ratio	Lower	Upper
94	100		
65	47.5	7.9	47.9
66	65.9	16.2	56.2#

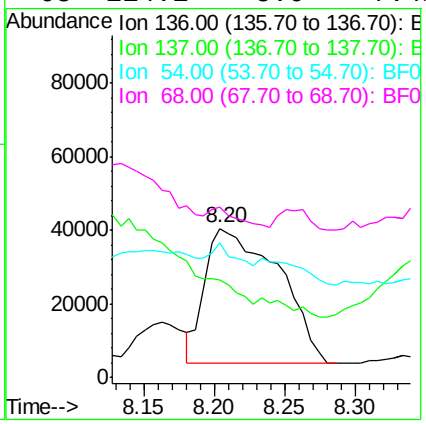




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion:136 Resp: 133690

Ion	Ratio	Lower	Upper
136	100		
137	65.7	8.9	13.3#
54	90.1	6.6	9.8#
68	114.1	5.0	7.4#



Instrument :
BNA_F
ClientSampleId :
G-63A-3-6

Manual Integrations APPROVED
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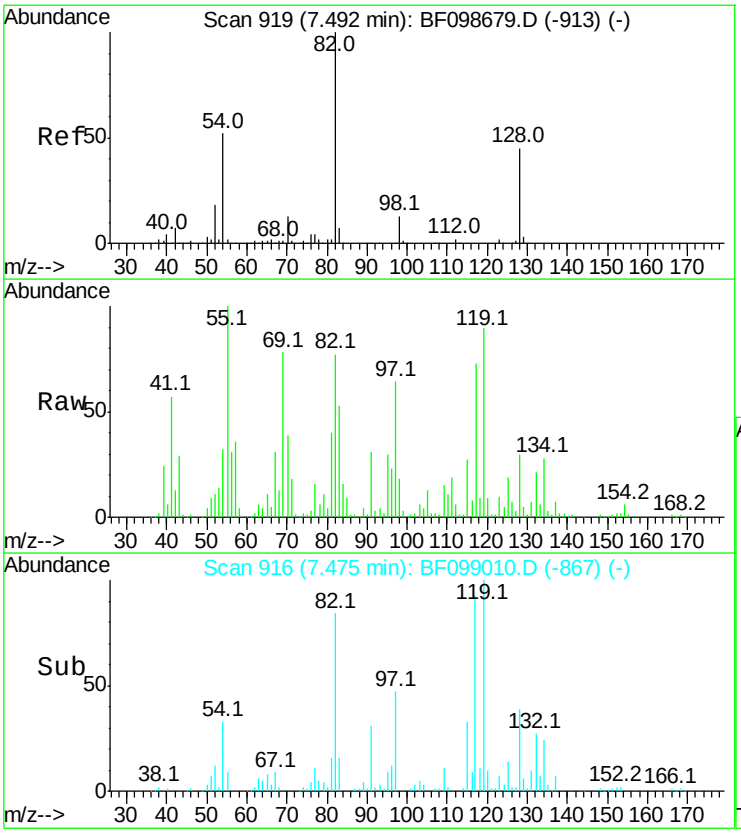
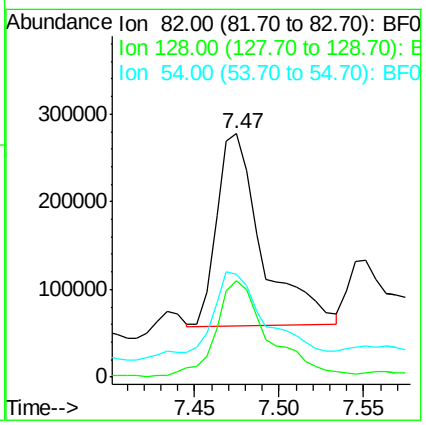
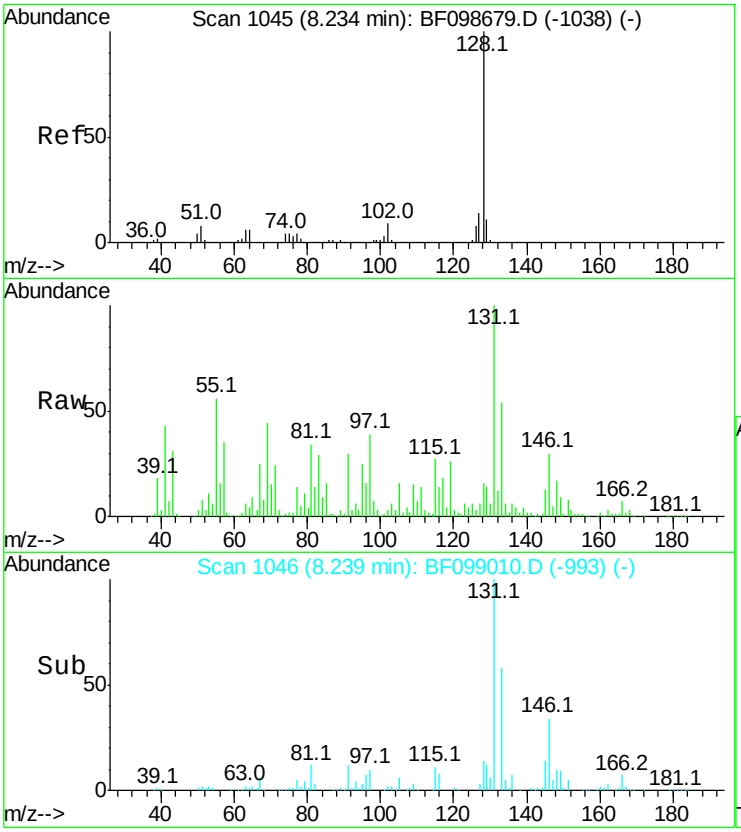


#23
Nitrobenzene-d5
Concen: 197.642 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion: 82 Resp: 412017

Ion	Ratio	Lower	Upper
82	100		
128	39.5	36.1	54.1
54	42.1	41.4	62.2

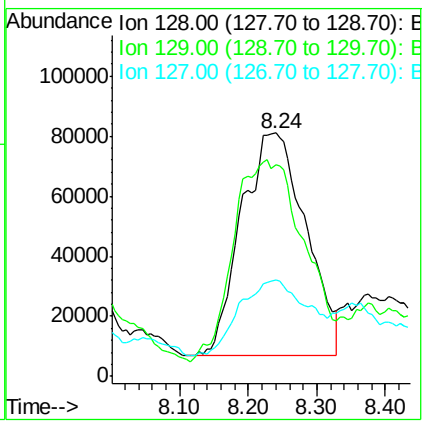




#31
Naphthalene
Concen: 77.113 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.01 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion:128 Resp: 484187

Ion	Ratio	Lower	Upper
128	100		
129	86.7	8.8	13.2#
127	39.8	10.9	16.3#



Instrument :
BNA_F
ClientSampleId :
G-63A-3-6

Manual Integrations APPROVED
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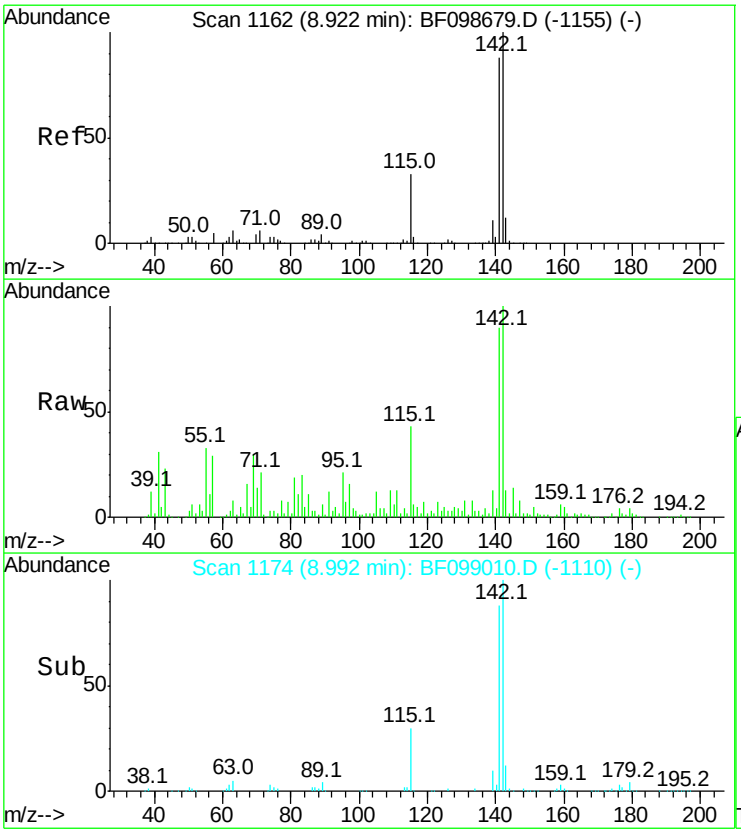
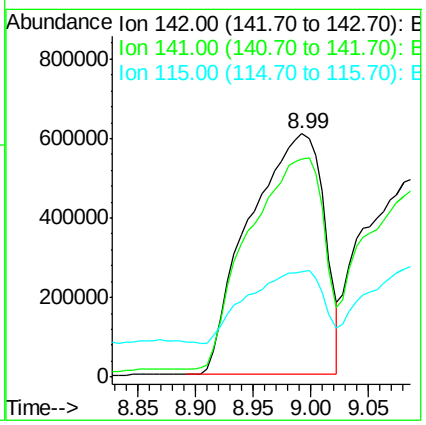
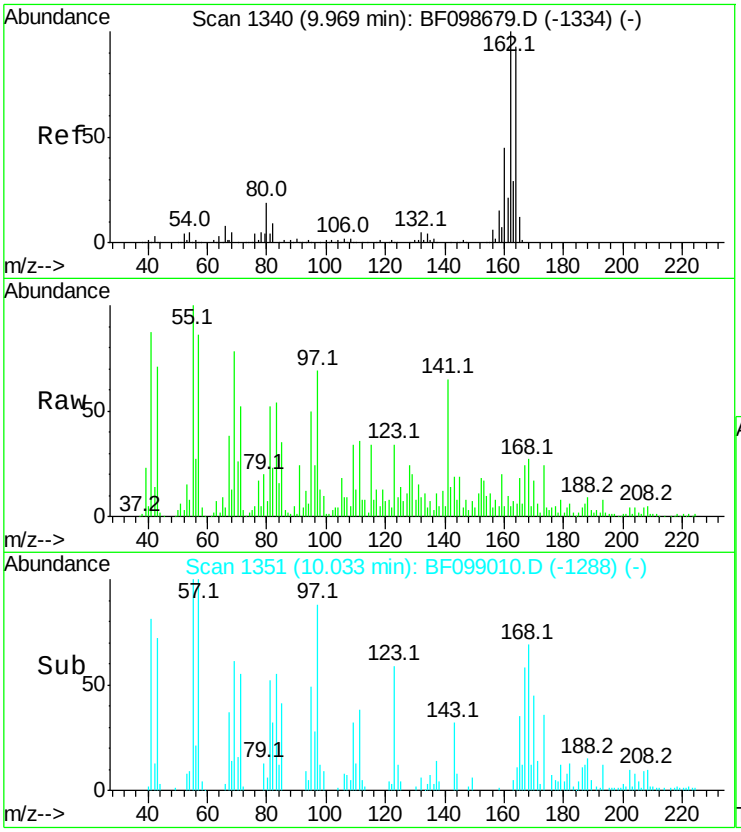


#37
2-Methylnaphthalene
Concen: 666.105 ng
RT: 8.99 min Scan# 1174
Delta R.T. 0.08 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion:142 Resp: 2718915

Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.8	106.2
115	43.4	26.1	39.1#





#38
Acenaphthene-d10
Concen: 20.000 ng m
RT: 10.03 min Scan# 1351
Delta R.T. 0.07 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion:164 Resp: 65474

Ion	Ratio	Lower	Upper
164	100		
162	83.7	86.1	129.1#
160	74.6	38.3	57.5#

Instrument :
BNA_F
ClientSampleId :
G-63A-3-6

Manual Integrations APPROVED
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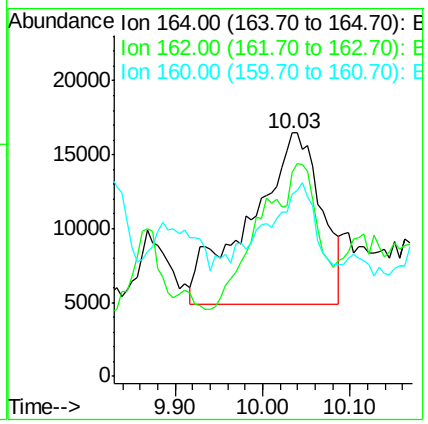
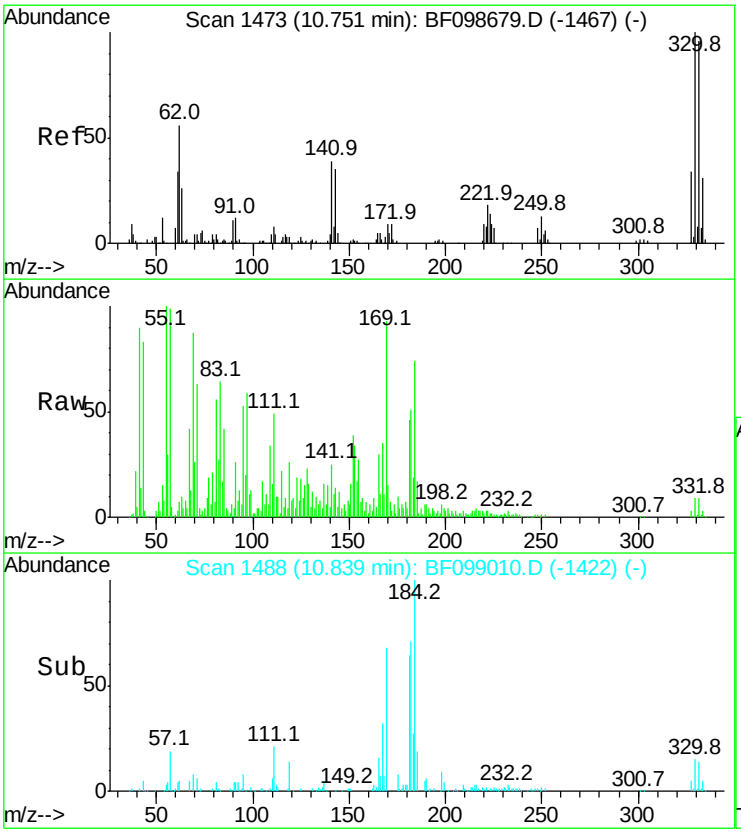
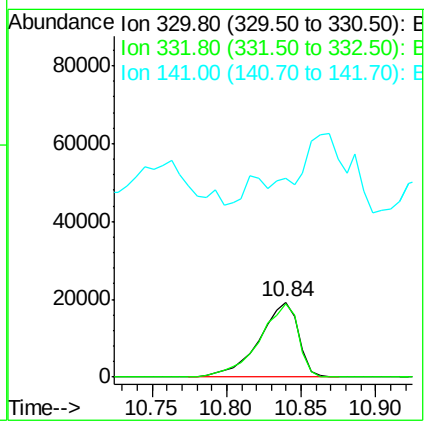


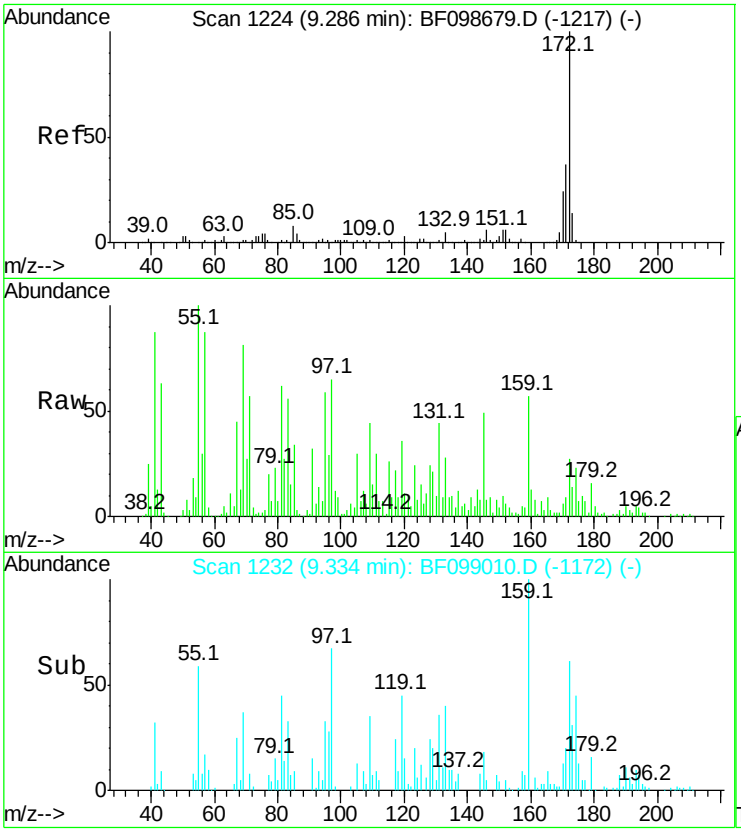


#41
2,4,6-Tribromophenol
Concen: 65.649 ng
RT: 10.84 min Scan# 1488
Delta R.T. 0.09 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion:330 Resp: 35172

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	0.0	29.9	44.9#

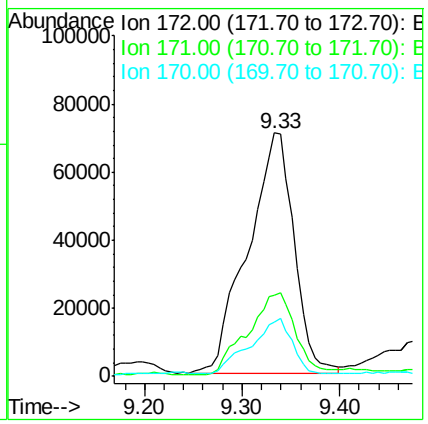




#44
2-Fluorobiphenyl
Concen: 59.660 ng
RT: 9.33 min Scan# 1232
Delta R.T. 0.05 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion:172 Resp: 233984

Ion	Ratio	Lower	Upper
172	100		
171	33.5	29.7	44.5
170	22.1	19.6	29.4



Instrument :
BNA_F
ClientSampleId :
G-63A-3-6

Manual Integrations APPROVED
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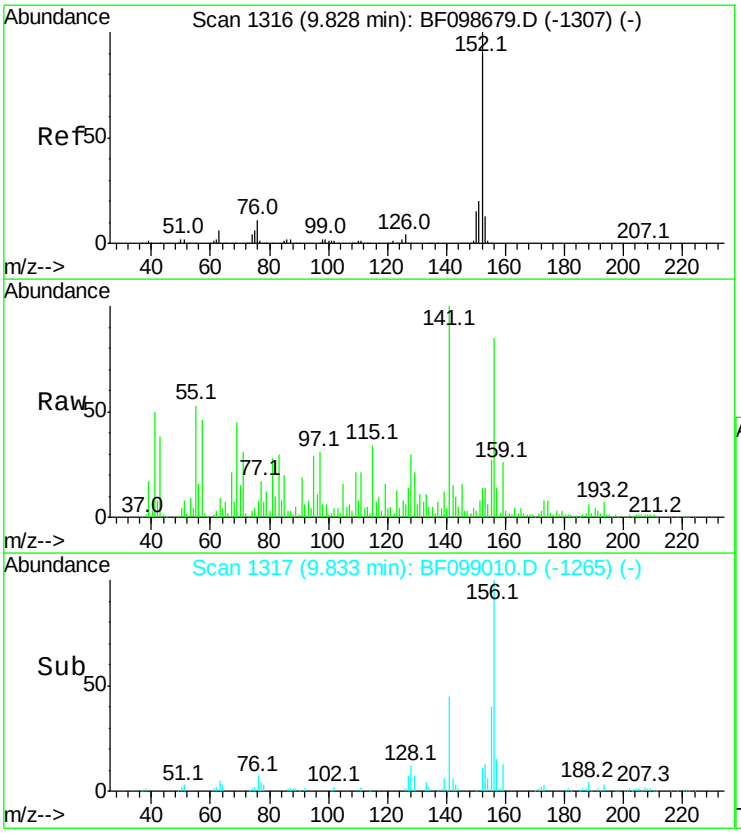
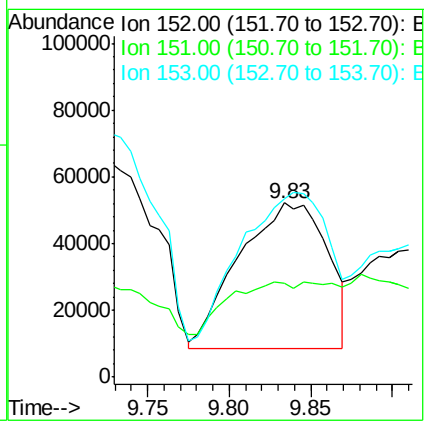
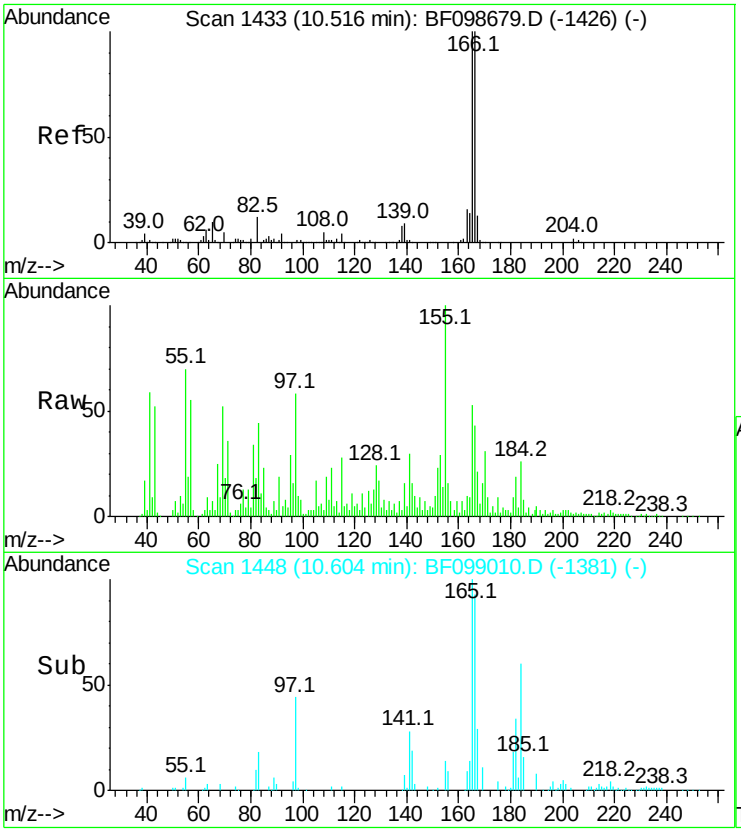


#48
Acenaphthylene
Concen: 25.421 ng m
RT: 9.83 min Scan# 1317
Delta R.T. 0.01 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion:152 Resp: 164414

Ion	Ratio	Lower	Upper
152	100		
151	53.9	16.3	24.5#
153	102.4	10.7	16.1#





#57
Fluorene
Concen: 93.893 ng m
RT: 10.60 min Scan# 1448
Delta R.T. 0.09 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion:166 Resp: 411670

Ion	Ratio	Lower	Upper
166	100		
165	123.4	79.8	119.8#
167	48.7	10.6	16.0#

Instrument :
BNA_F
ClientSampleId :
G-63A-3-6

Manual Integrations APPROVED
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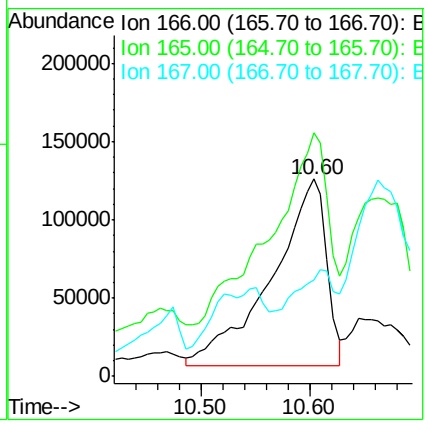
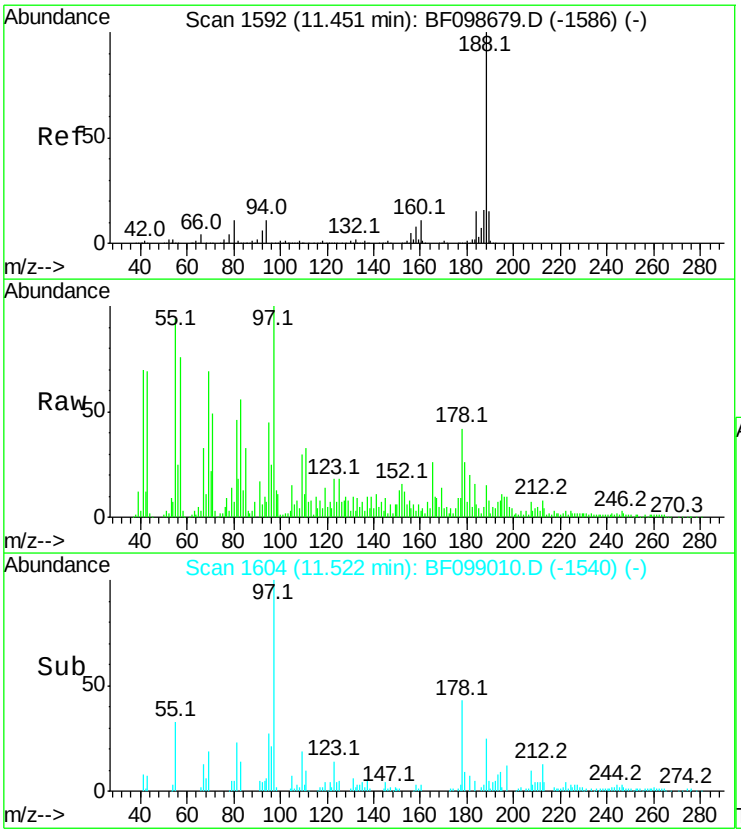
10/3/2017 6:50:52 PM

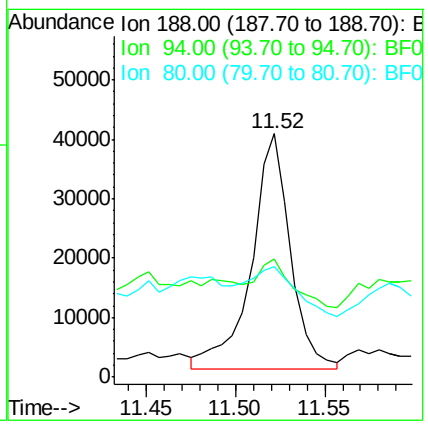


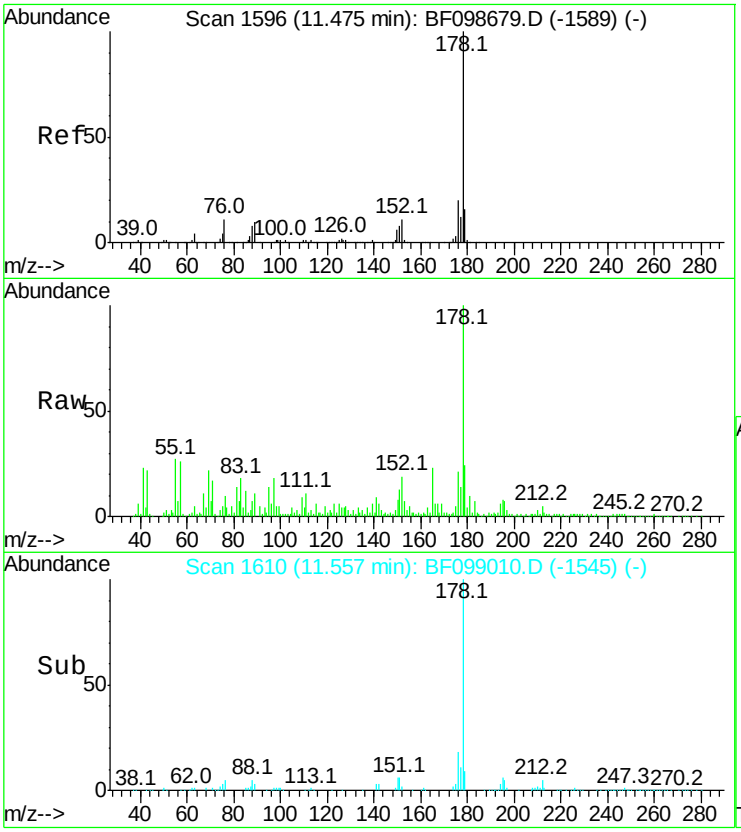


#63
Phenanthrene-d10
Concen: 20.000 ng m
RT: 11.52 min Scan# 1604
Delta R.T. 0.08 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion:188 Resp: 60149

Ion	Ratio	Lower	Upper
188	100		
94	48.5	8.5	12.7#
80	45.5	9.2	13.8#





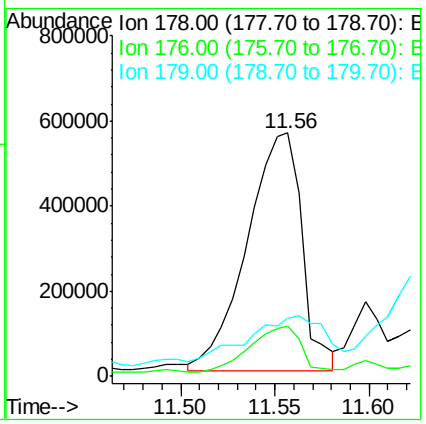
#70
Phenanthrene
Concen: 353.362 ng m
RT: 11.56 min Scan# 1610
Delta R.T. 0.08 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

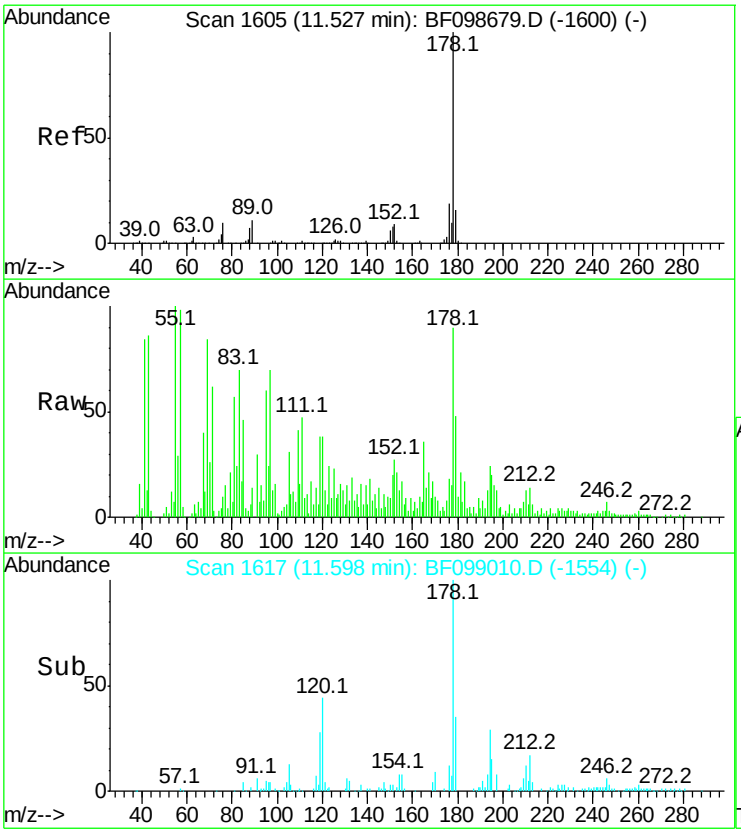
Tgt Ion:178 Resp: 1137688

Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.8	23.8
179	24.1	13.0	19.6#

Instrument :
BNA_F
ClientSampleId :
G-63A-3-6

Manual Integrations APPROVED
Sohil
10/3/2017 6:50:52 PM

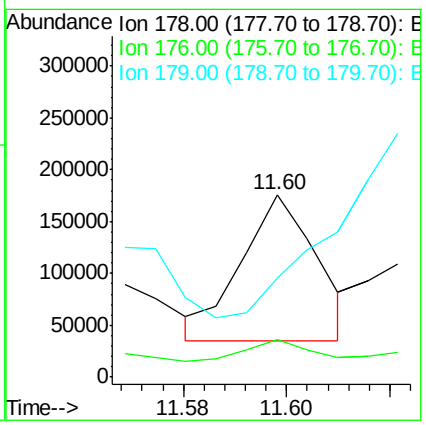


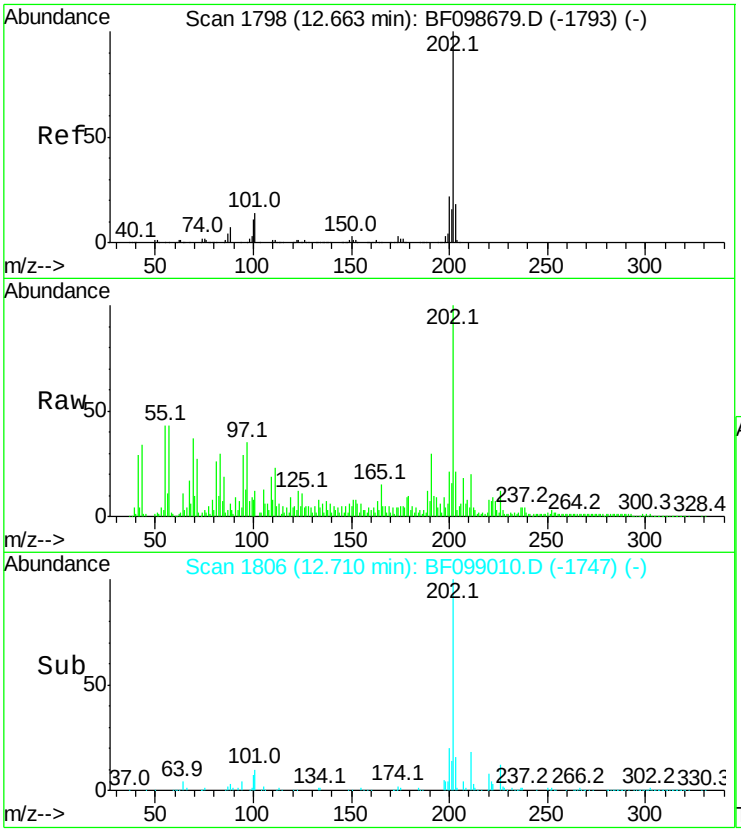


#71
Anthracene
Concen: 43.385 ng m
RT: 11.60 min Scan# 1617
Delta R.T. 0.07 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion:178 Resp: 142923

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.4	23.2
179	54.0	12.6	19.0#





#74
Fluoranthene
Concen: 100.532 ng
RT: 12.71 min Scan# 1806
Delta R.T. 0.05 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion:202 Resp: 327755

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	34.1
203	21.1	0.0	38.1

Instrument :
BNA_F
ClientSampleId :
G-63A-3-6

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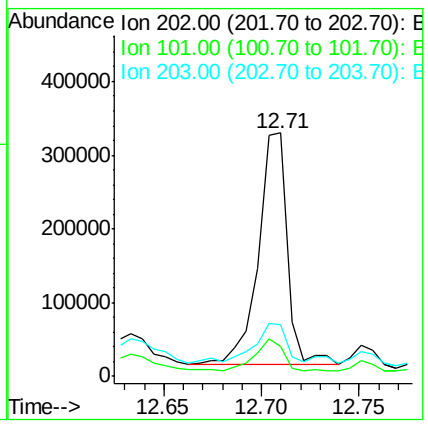
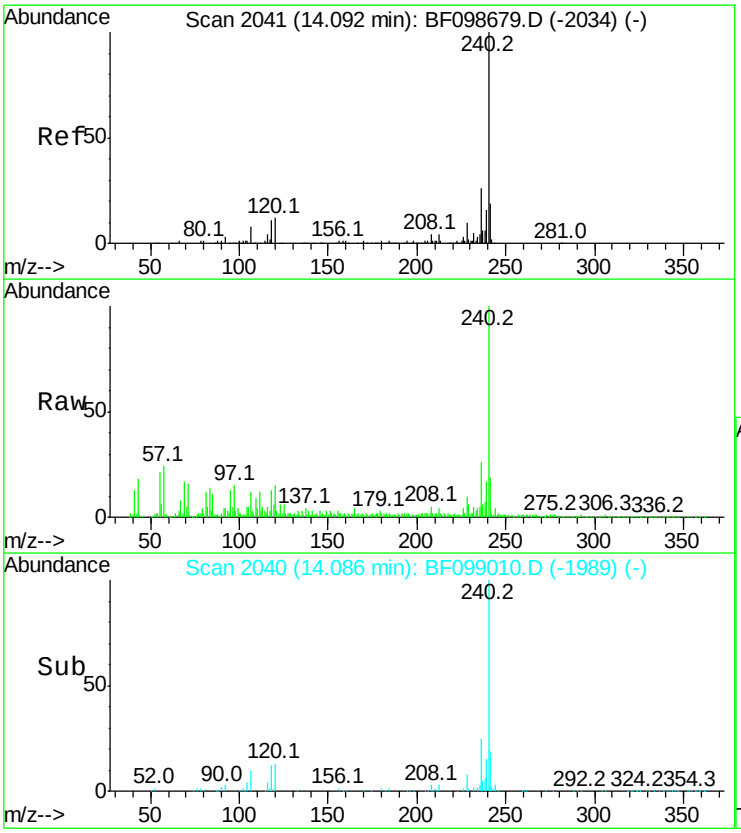
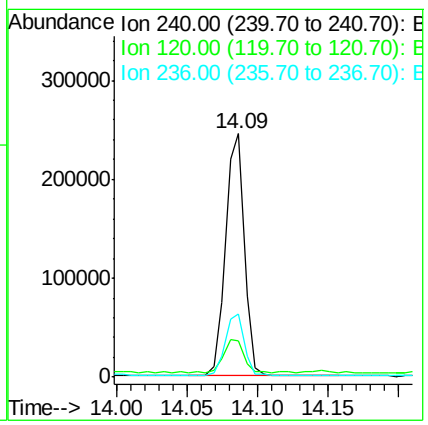


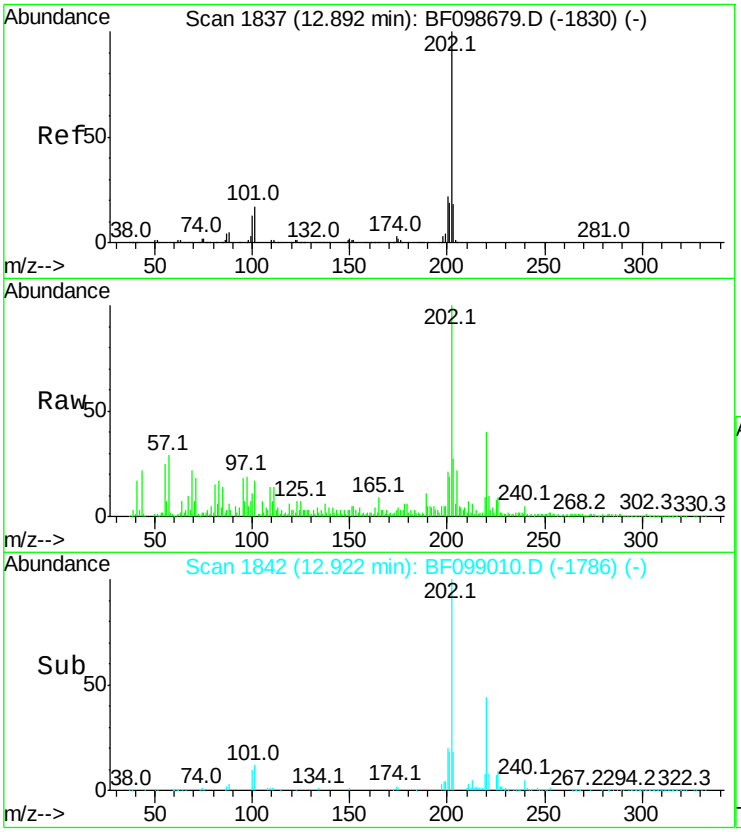


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.00 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion:240 Resp: 227491

Ion	Ratio	Lower	Upper
240	100		
120	15.0	9.5	14.3#
236	25.9	20.7	31.1





#77
Pyrene
Concen: 27.985 ng m
RT: 12.92 min Scan# 1842
Delta R.T. 0.03 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion:202 Resp: 485453

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	26.6	14.3	21.5#

Instrument :
BNA_F
ClientSampleId :
G-63A-3-6

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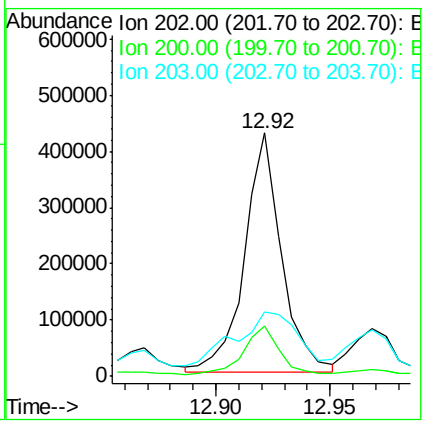
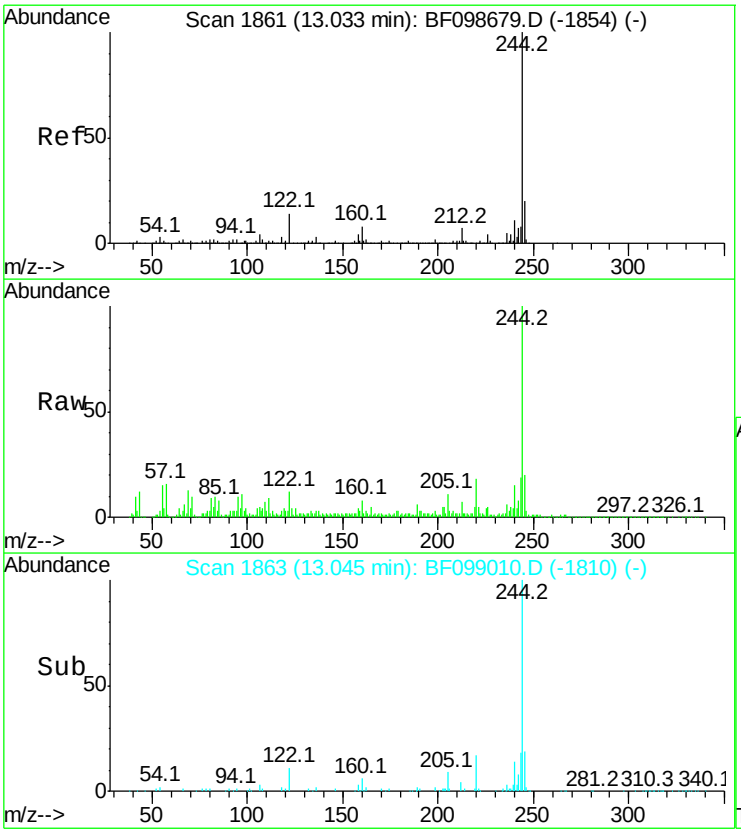
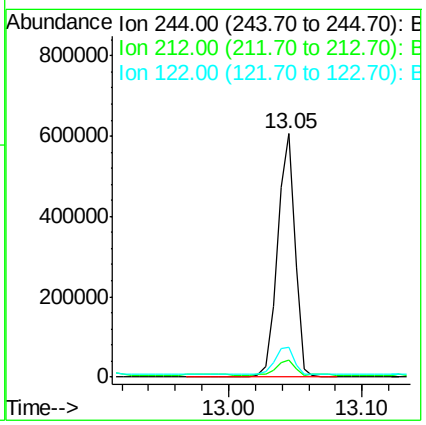


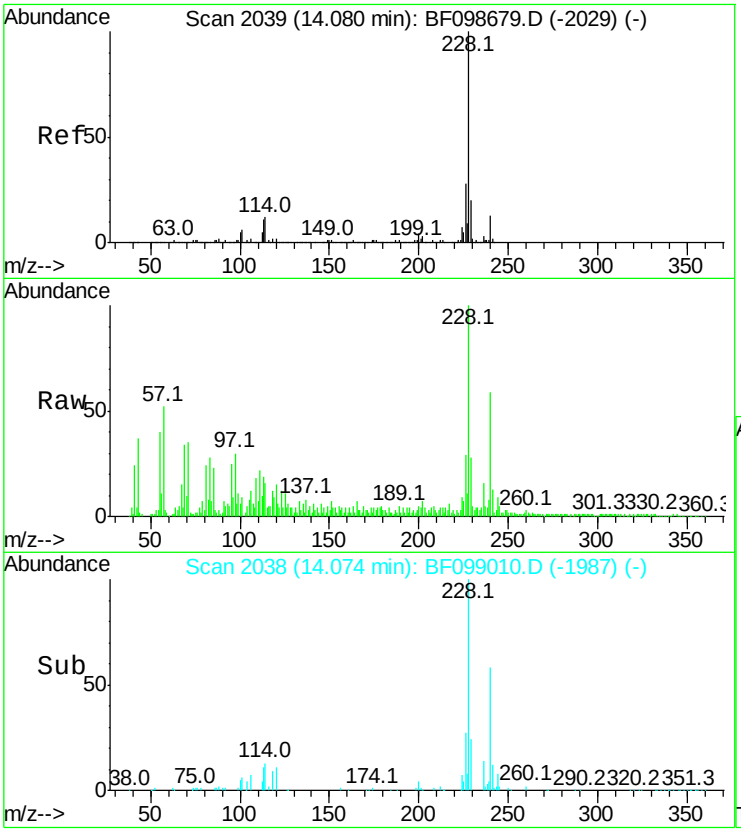


#78
Terphenyl-d14
Concen: 55.643 ng
RT: 13.05 min Scan# 1863
Delta R.T. 0.01 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion:244 Resp: 556603

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





#80
Benzo(a)anthracene
Concen: 9.066 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.00 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion:228 Resp: 124888

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	28.1	15.8	23.6#

Instrument :
BNA_F
ClientSampleId :
G-63A-3-6

Manual Integrations APPROVED
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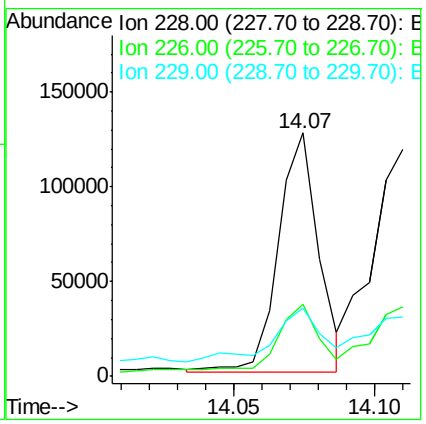
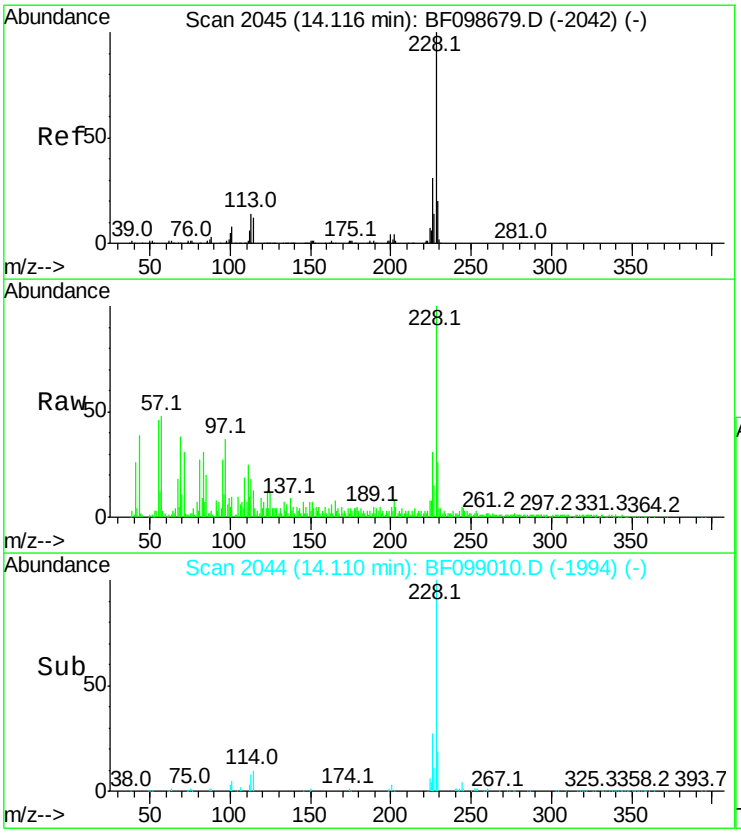
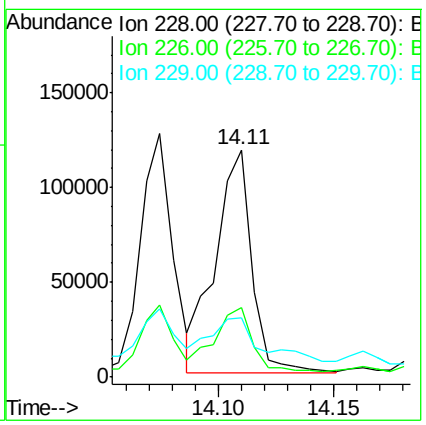


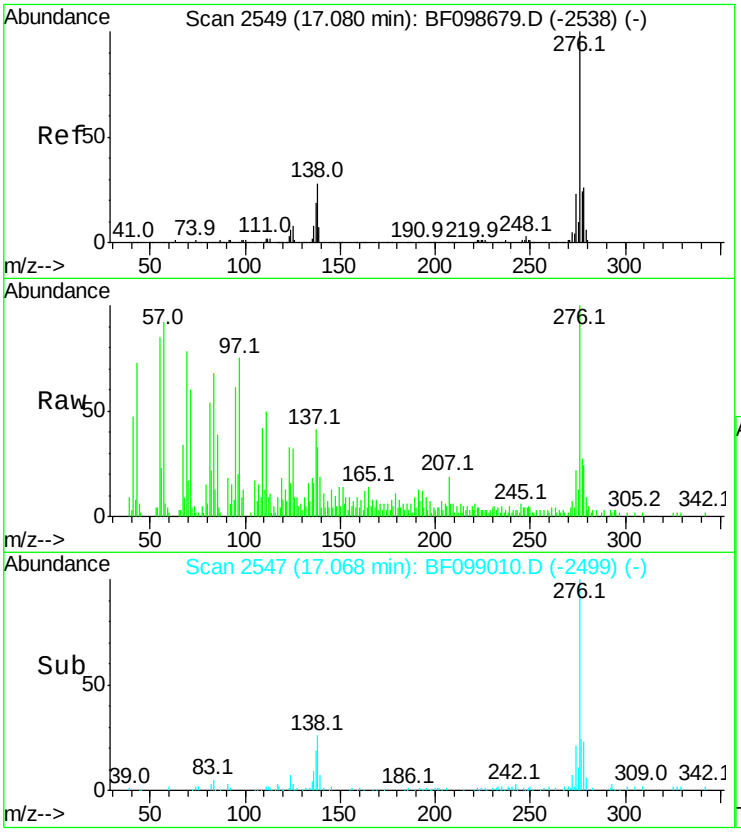


#82
Chrysene
Concen: 9.909 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion:228 Resp: 129952

Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	26.1	16.2	24.4#

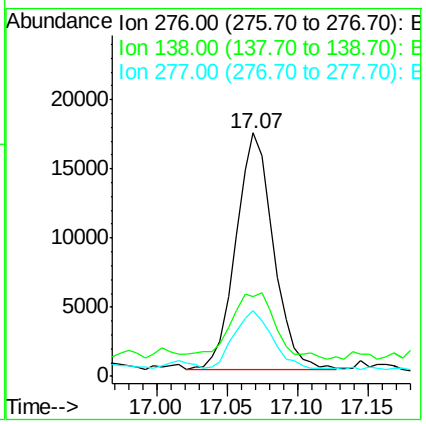




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.004 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.02 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion:276 Resp: 31518

Ion	Ratio	Lower	Upper
276	100		
138	34.9	25.0	37.6
277	25.2	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
G-63A-3-6

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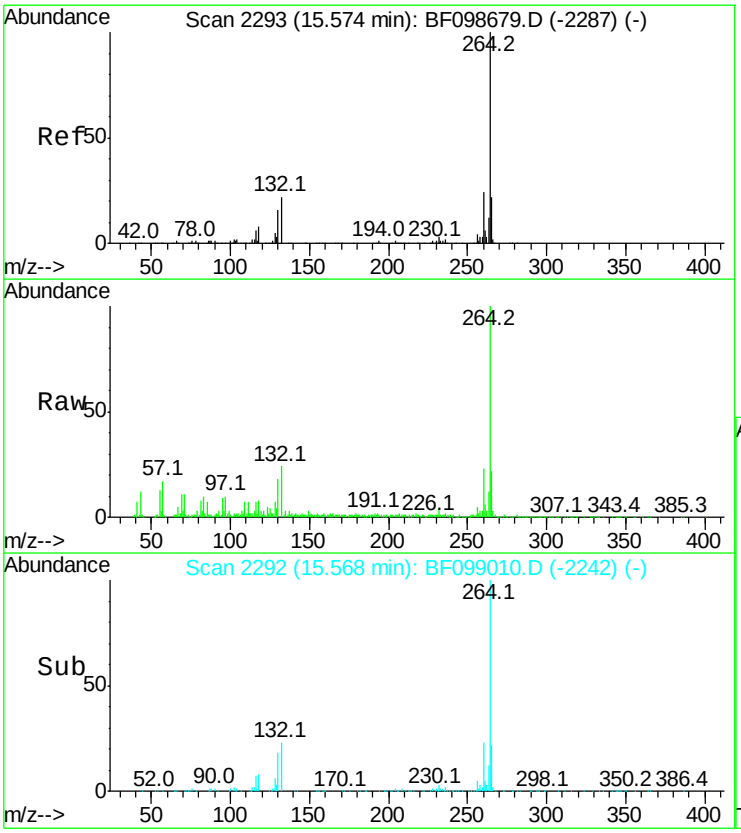
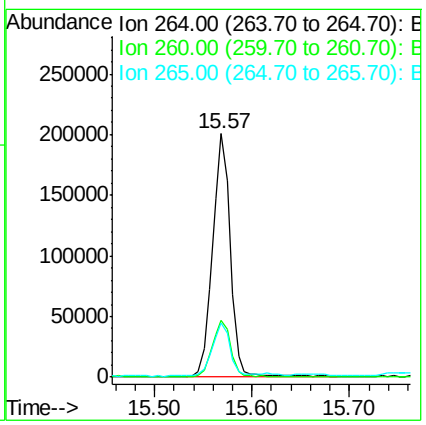
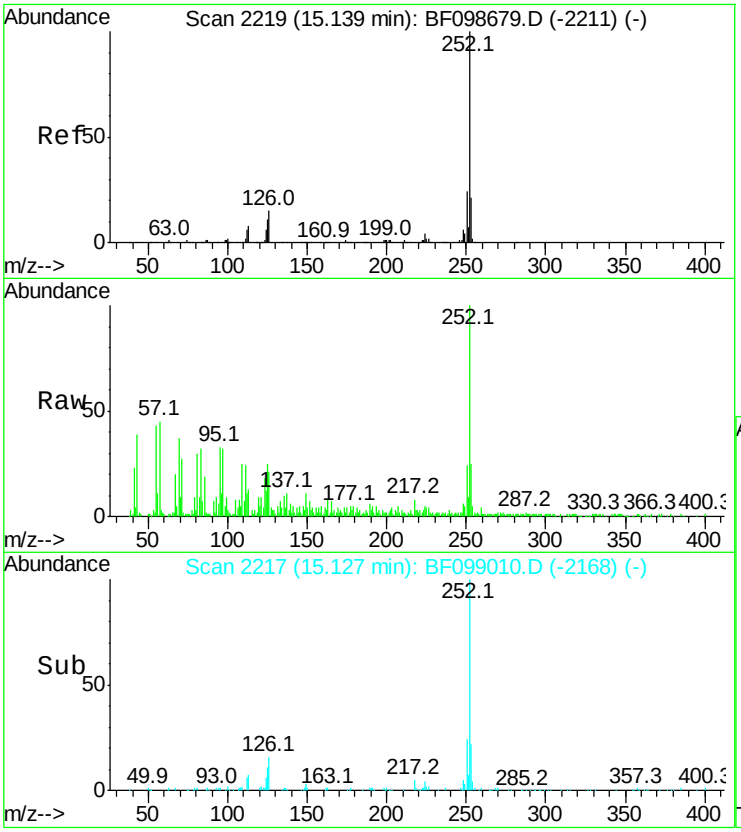


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.01 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion:264 Resp: 250796

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.3	17.5	26.3





#87
Benzo(b)fluoranthene
Concen: 7.407 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion:252 Resp: 114212

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.6
125	25.0	9.0	13.6#

Instrument :
BNA_F
ClientSampleId :
G-63A-3-6

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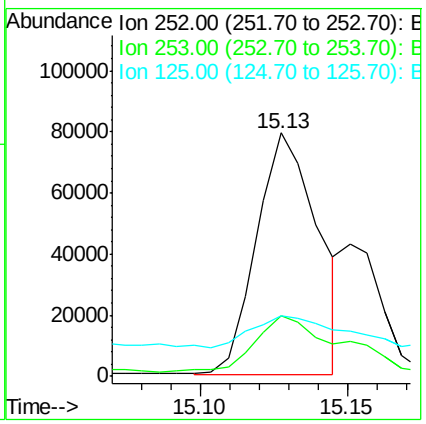
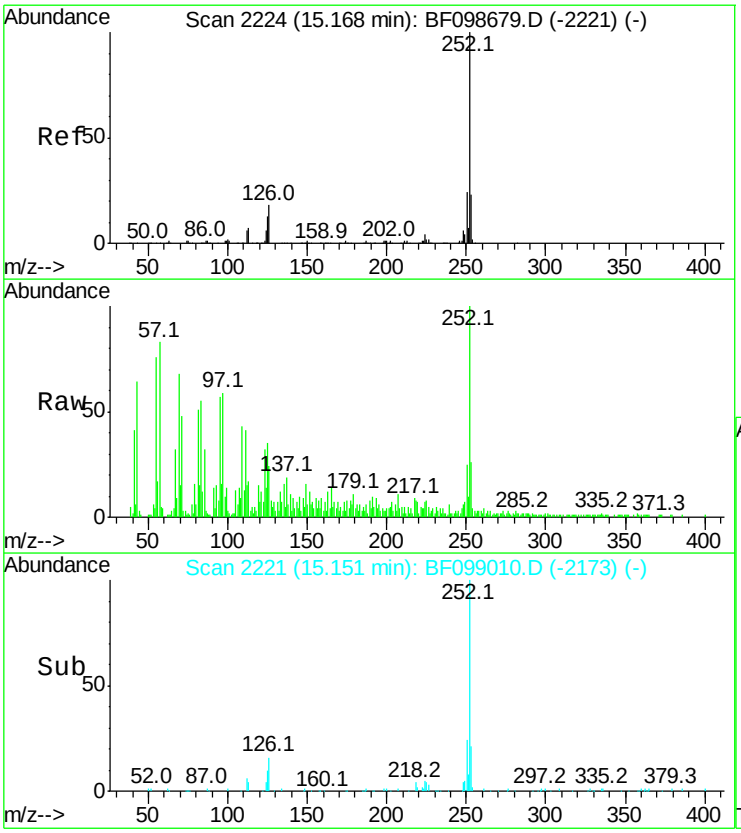
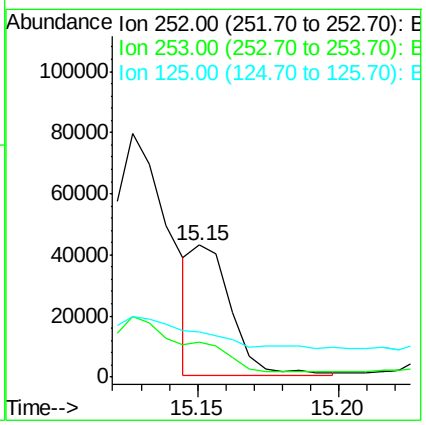


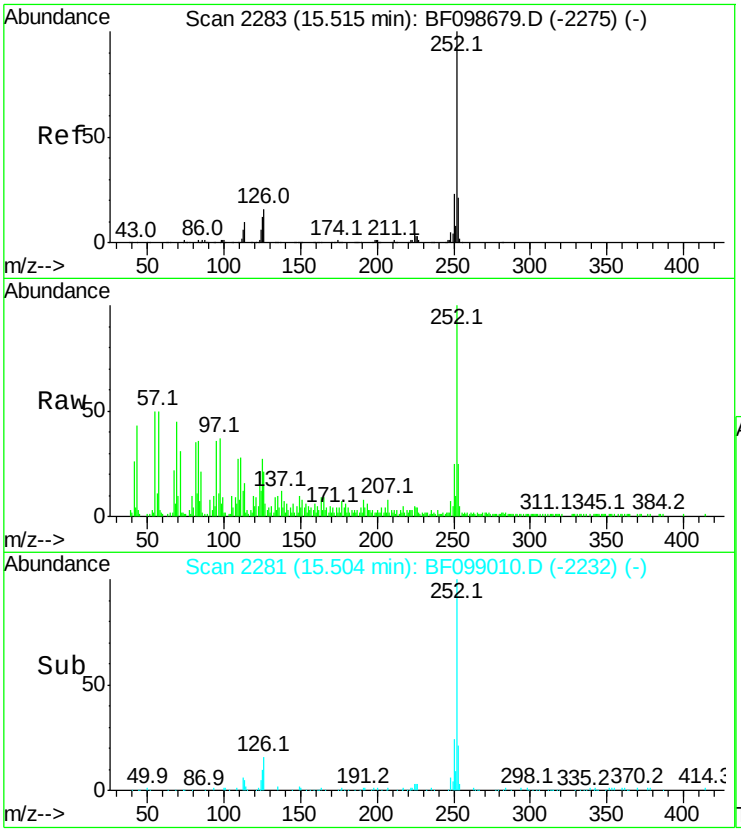


#88
Benzo(k)fluoranthene
Concen: 2.656 ng m
RT: 15.15 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion:252 Resp: 40456

Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.9	26.9
125	34.6	10.2	15.2#





#89
Benzo(a)pyrene
Concen: 5.091 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion:252 Resp: 72059

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.1	25.7
125	26.5	9.8	14.6#

Instrument :
BNA_F
ClientSampleId :
G-63A-3-6

Manual Integrations APPROVED
Sohil
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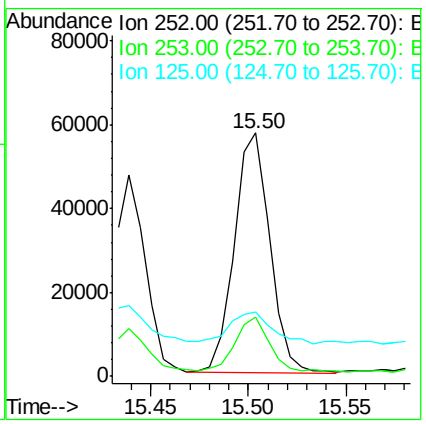

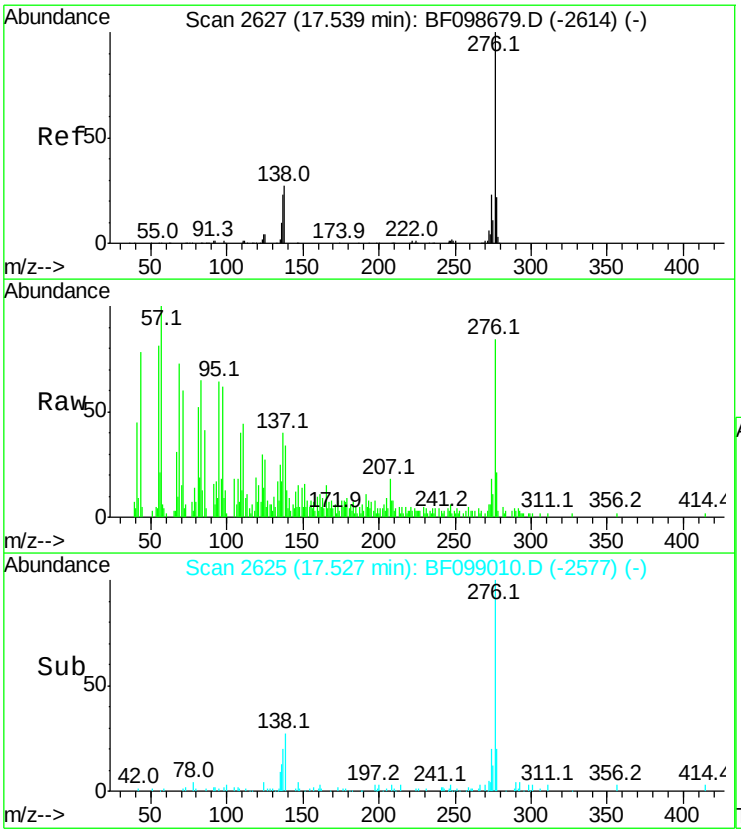

#91
Benzo(g,h,i)perylene
Concen: 2.701 ng
RT: 17.53 min Scan# 2625
Delta R.T. -0.02 min
Lab File: BF099010.D
Acq: 2 Oct 2017 20:06

Tgt Ion:276 Resp: 30244

Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	40.1	21.8	32.8#