Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
Data File : BF109046.D
Acq On : 17 Sep 2018 14:18
Operator : JU/SJ
Sample : J4773-05 4X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-091418-C

Manual Integrations APPROVED
Sohil
9/18/2018 6:00:03 PM

Quant Time: Sep 17 16:59:42 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 14 13:26:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	129226	20.00	ng		0.00
21) Naphthalene-d8	8.00	136	448755	20.00	ng		0.00
38) Acenaphthene-d10	9.75	164	194463	20.00	ng		0.00
63) Phenanthrene-d10	11.22	188	379168	20.00	ng		0.00
75) Chrysene-d12	13.85	240	379040	20.00	ng		0.00
86) Perylene-d12	15.26	264	334362	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.32	112	186594	23.98	ng		0.00
7) Phenol-d6	6.34	99	232071	23.13	ng		-0.02
23) Nitrobenzene-d5	7.27	82	133807	16.72	ng		-0.02
41) 2,4,6-Tribromophenol	10.53	330	47272	22.40	ng		-0.01
44) 2-Fluorobiphenyl	9.08	172	227299	18.31	ng		0.00
78) Terphenyl-d14	12.81	244	244752	15.31	ng		0.00
Target Compounds							Qvalue
70) Phenanthrene	11.25	178	195596	10.523	ng		98
71) Anthracene	11.30	178	61751	3.277	ng		99
74) Fluoranthene	12.44	202	372649	18.991	ng		95
77) Pyrene	12.66	202	348201	12.367	ng		99
80) Benzo(a)anthracene	13.84	228	192227	8.377	ng		95
82) Chrysene	13.88	228	163448	7.119	ng		97
85) Indeno(1,2,3-cd)pyrene	16.60	276	72187	3.933	ng	#	92
87) Benzo(b)fluoranthene	14.86	252	210015m	11.354	ng		
88) Benzo(k)fluoranthene	14.88	252	63070m	3.651	ng		
89) Benzo(a)pyrene	15.19	252	138277	8.418	ng		98
91) Benzo(g,h,i)perylene	17.01	276	63941	4.634	ng	#	93

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

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BNA_F
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CL-01-091418-C

Manual Integrations APPROVED
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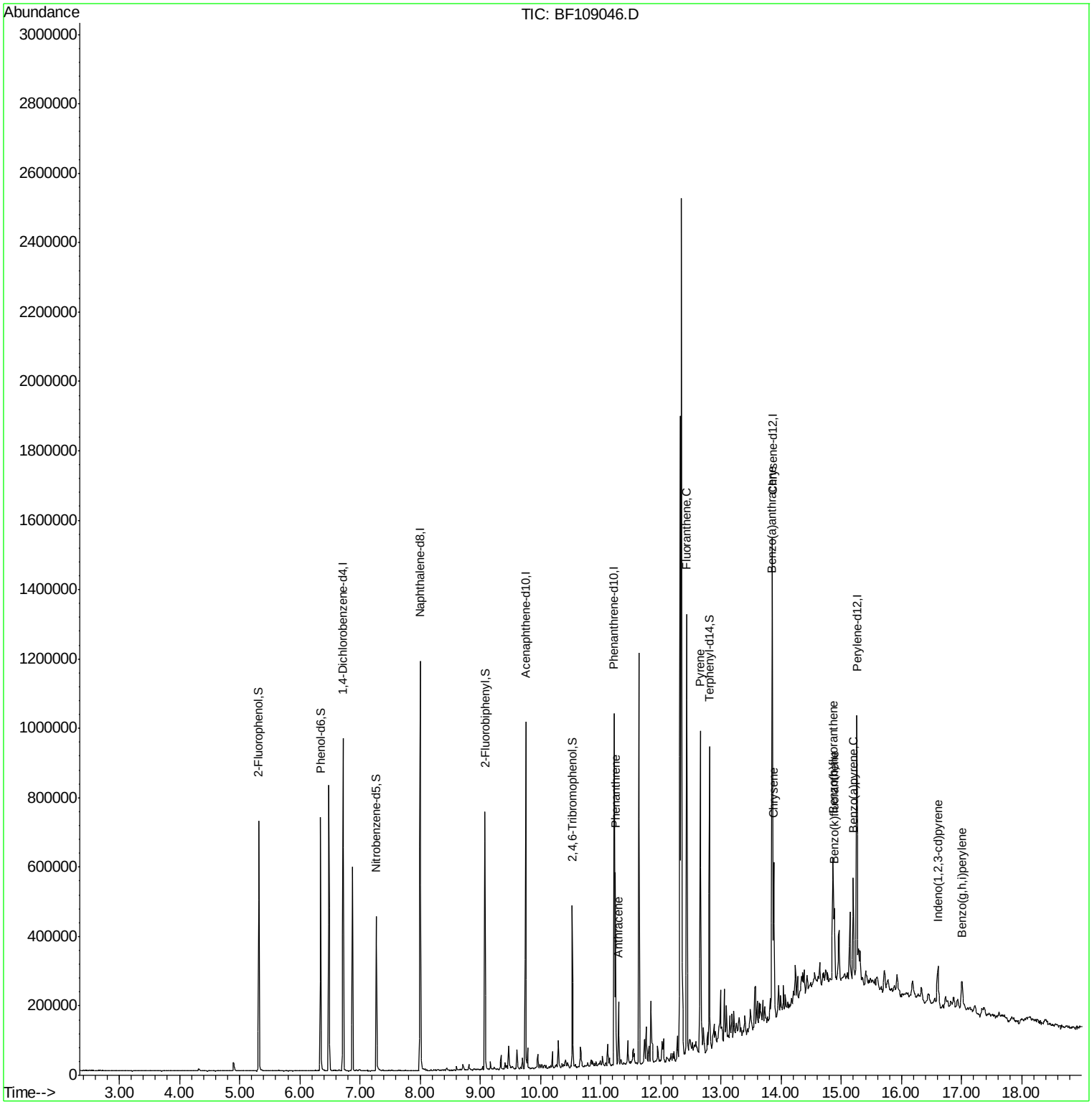
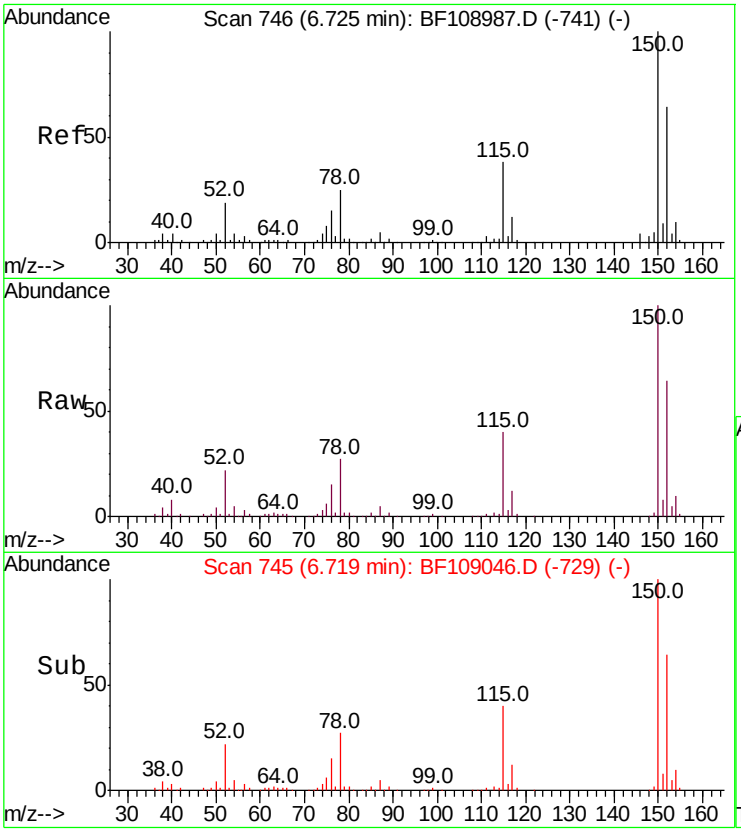
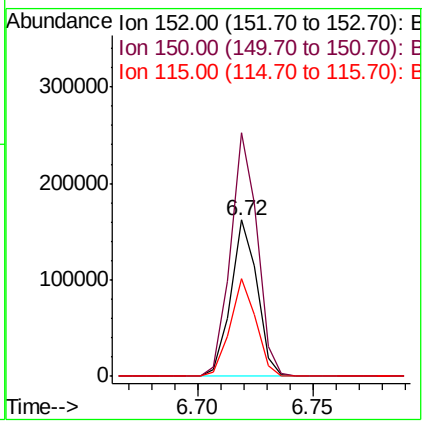




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109046.D
Acq: 17 Sep 2018 14:18

Tgt Ion:152 Resp: 129226

Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.6	186.8
115	62.8	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
CL-01-091418-C

Manual Integrations APPROVED
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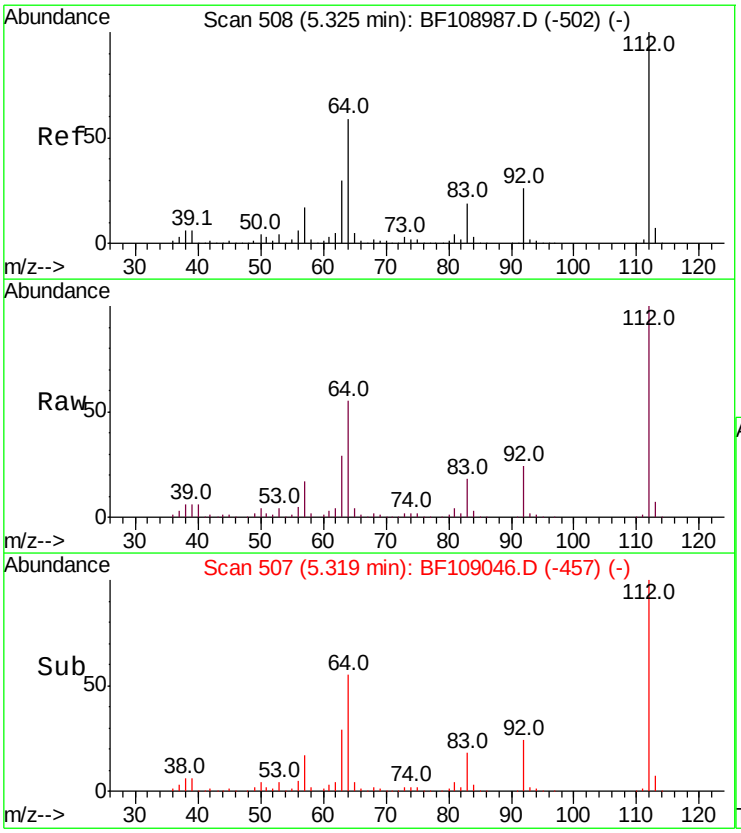
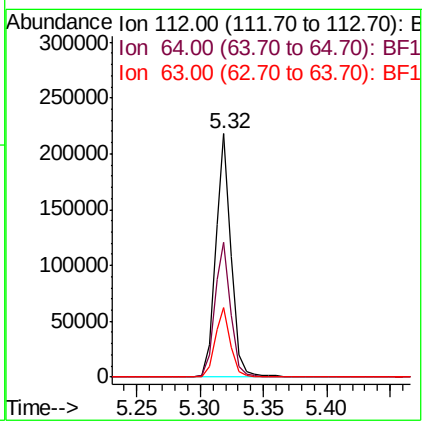
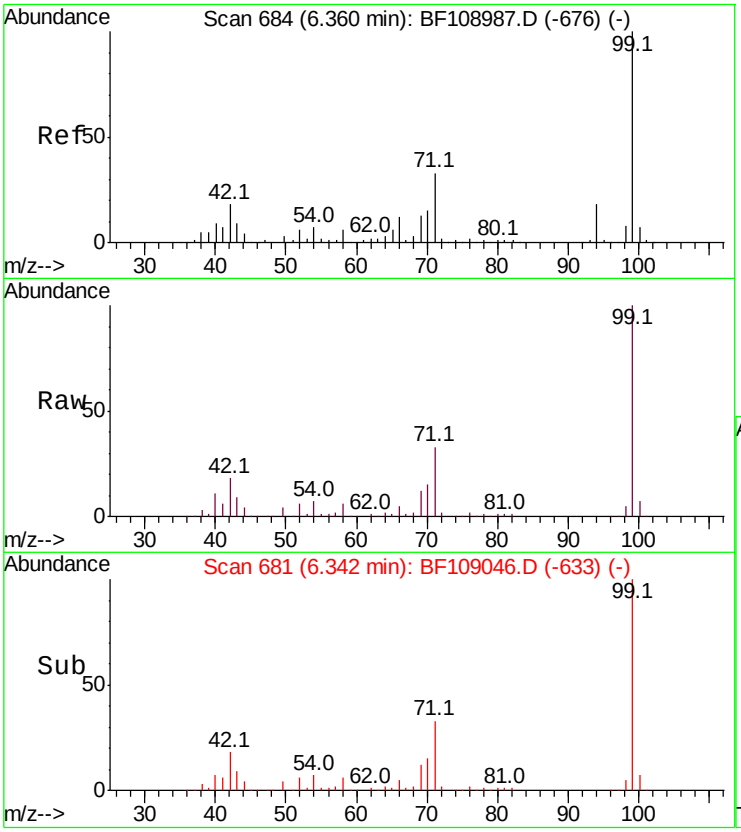


#5
2-Fluorophenol
Concen: 23.982 ng
RT: 5.32 min Scan# 507
Delta R.T. -0.01 min
Lab File: BF109046.D
Acq: 17 Sep 2018 14:18

Tgt Ion:112 Resp: 186594

Ion	Ratio	Lower	Upper
112	100		
64	55.3	47.9	71.9
63	28.5	23.7	35.5

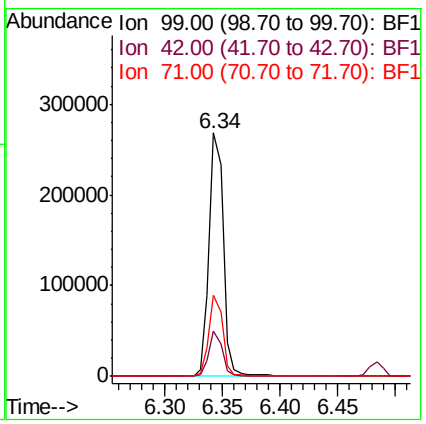




#7
Phenol-d6
Concen: 23.132 ng
RT: 6.34 min Scan# 681
Delta R.T. -0.02 min
Lab File: BF109046.D
Acq: 17 Sep 2018 14:18

Tgt Ion: 99 Resp: 232071

Ion	Ratio	Lower	Upper
99	100		
42	18.4	14.5	21.7
71	33.3	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
CL-01-091418-C

Manual Integrations APPROVED
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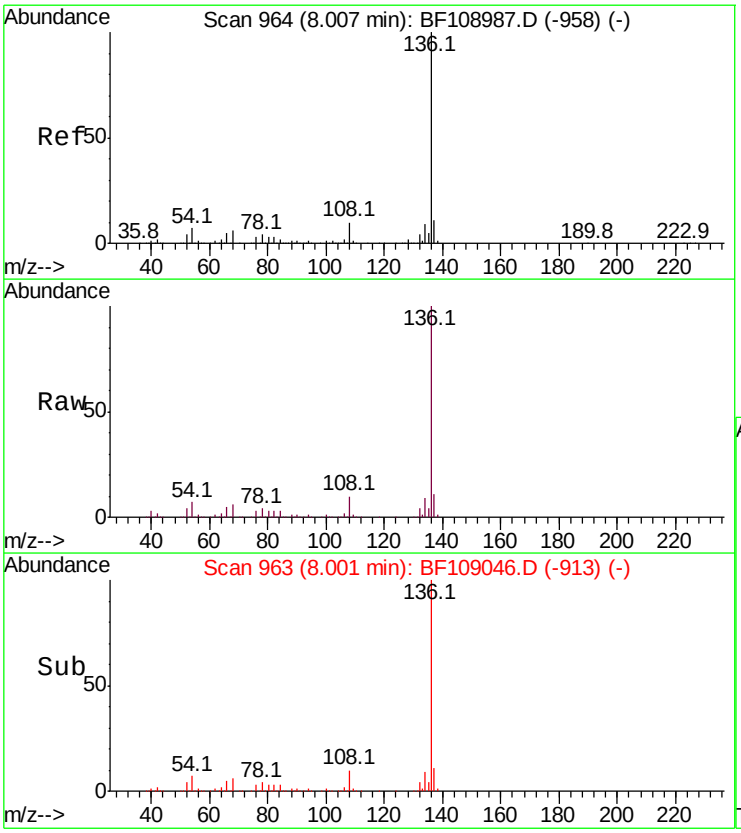
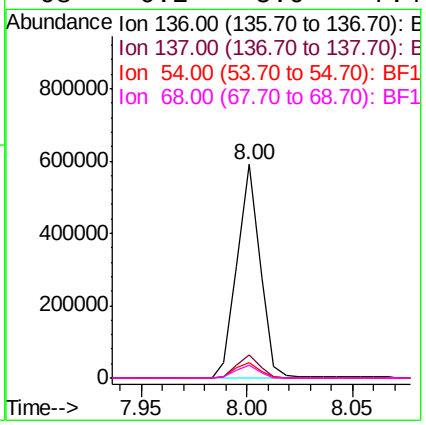
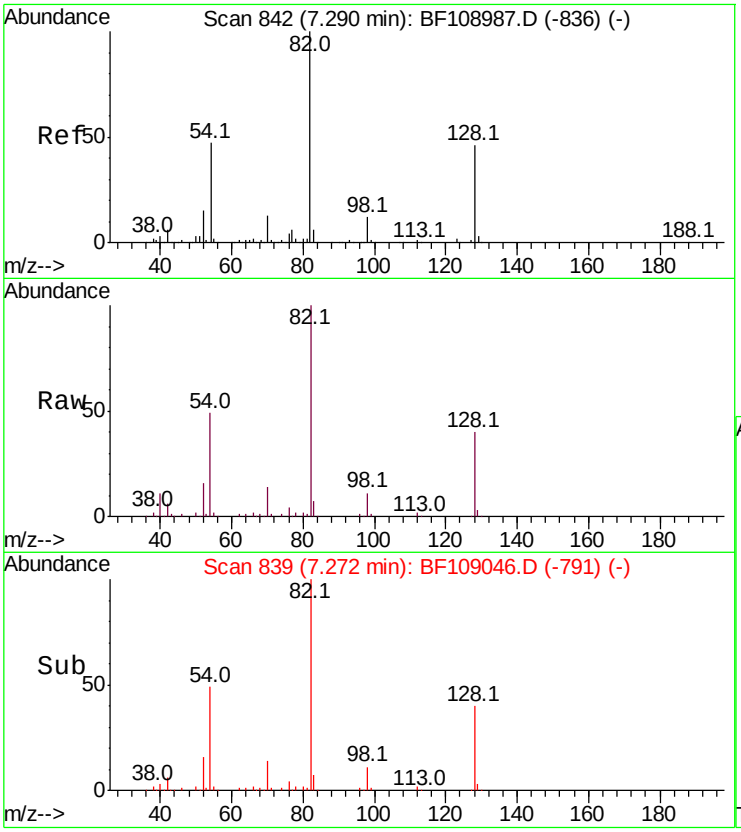


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF109046.D
Acq: 17 Sep 2018 14:18

Tgt Ion:136 Resp: 448755

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.1	6.6	9.8
68	6.2	5.0	7.4

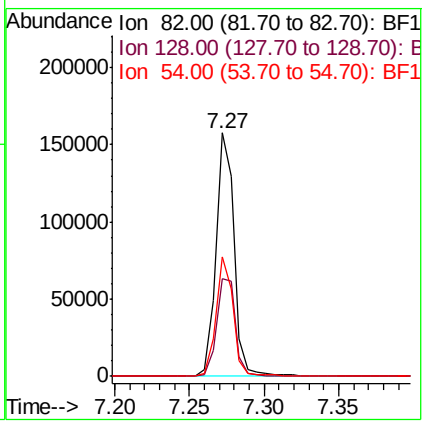




#23
Nitrobenzene-d5
Concen: 16.724 ng
RT: 7.27 min Scan# 839
Delta R.T. -0.02 min
Lab File: BF109046.D
Acq: 17 Sep 2018 14:18

Tgt Ion: 82 Resp: 133807

Ion	Ratio	Lower	Upper
82	100		
128	40.1	36.1	54.1
54	48.8	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
CL-01-091418-C

Manual Integrations APPROVED
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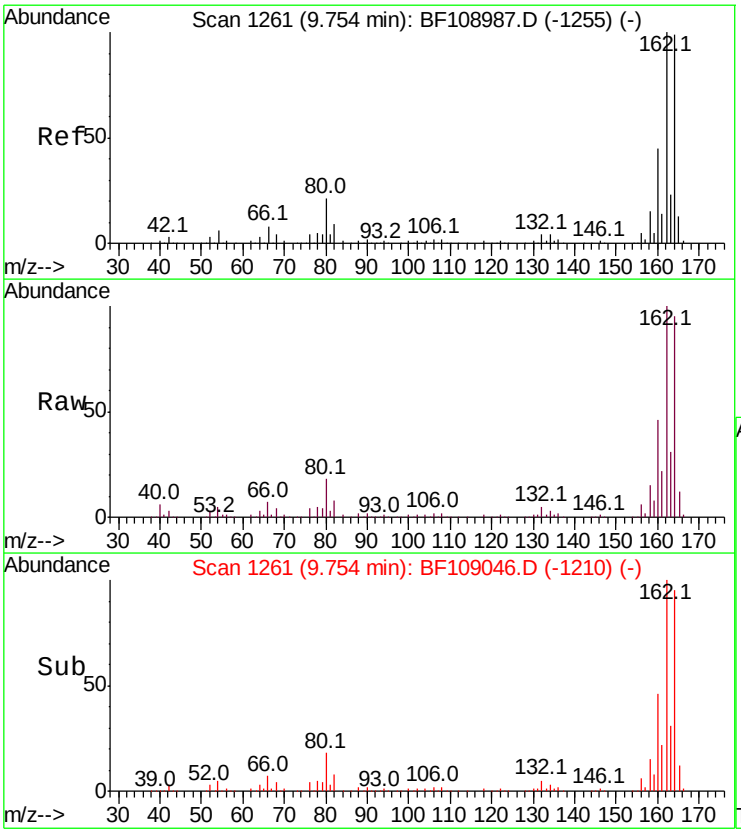
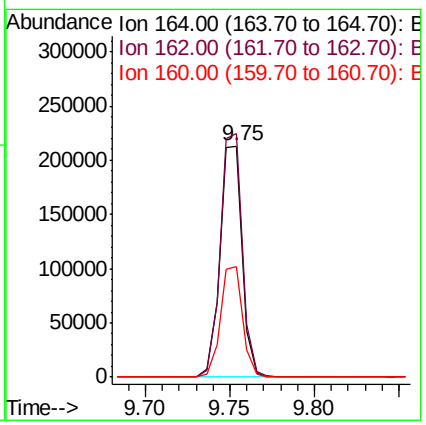
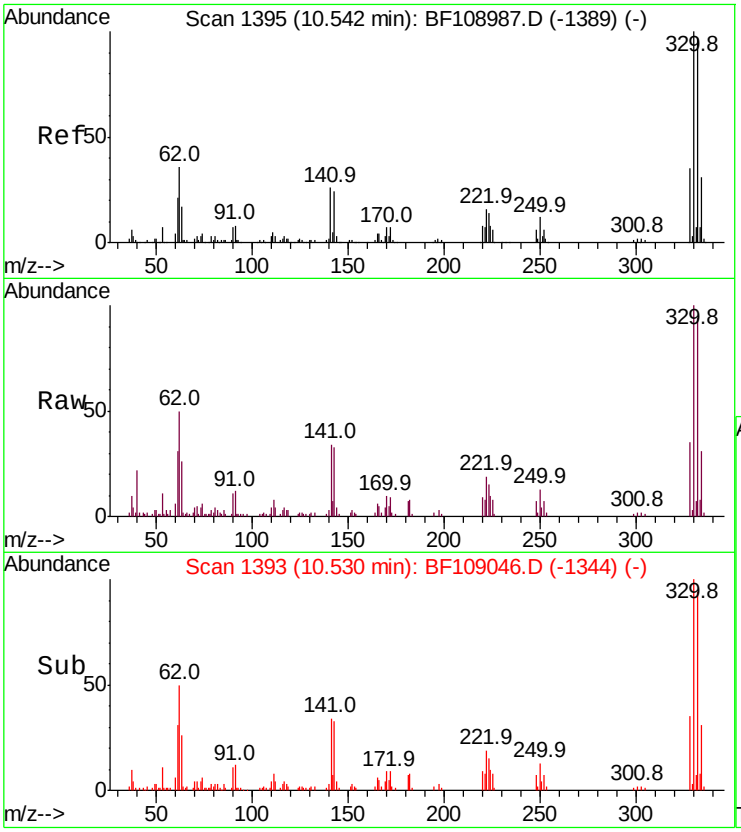


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BF109046.D
Acq: 17 Sep 2018 14:18

Tgt Ion:164 Resp: 194463

Ion	Ratio	Lower	Upper
164	100		
162	105.3	86.1	129.1
160	48.1	38.3	57.5

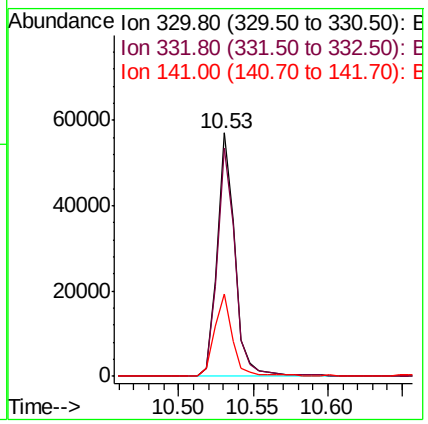




#41
2,4,6-Tribromophenol
Concen: 22.399 ng
RT: 10.53 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BF109046.D
Acq: 17 Sep 2018 14:18

Tgt Ion:330 Resp: 47272

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	34.2	29.9	44.9



Instrument :
BNA_F
ClientSampleId :
CL-01-091418-C

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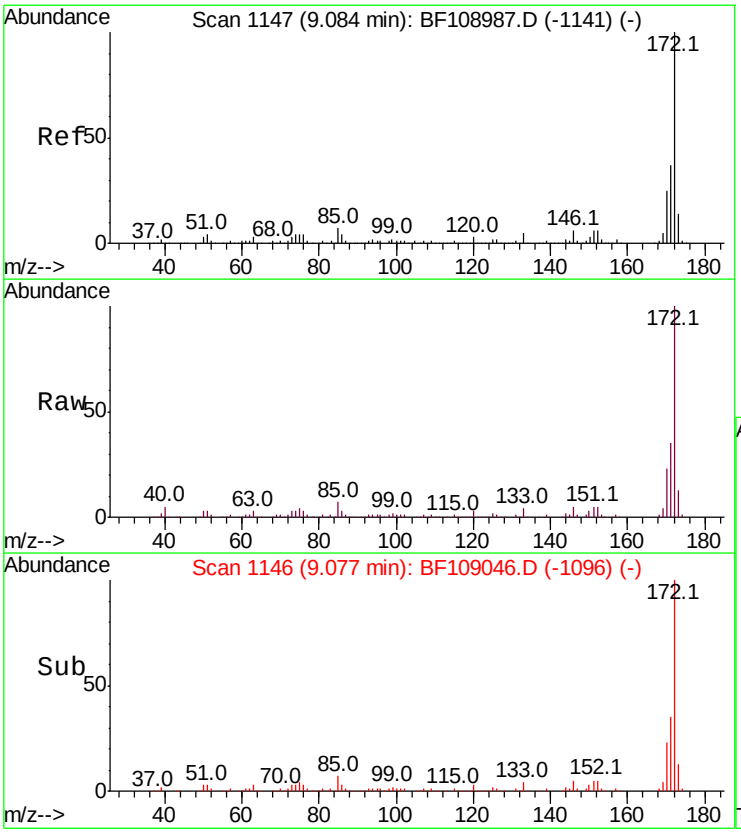
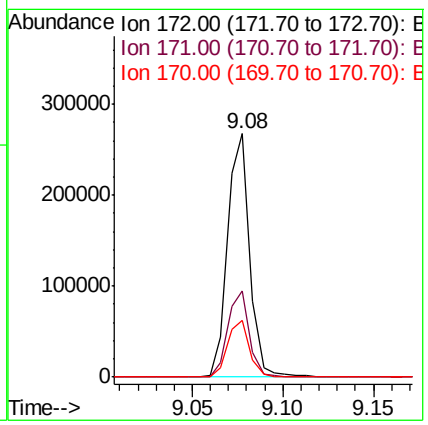
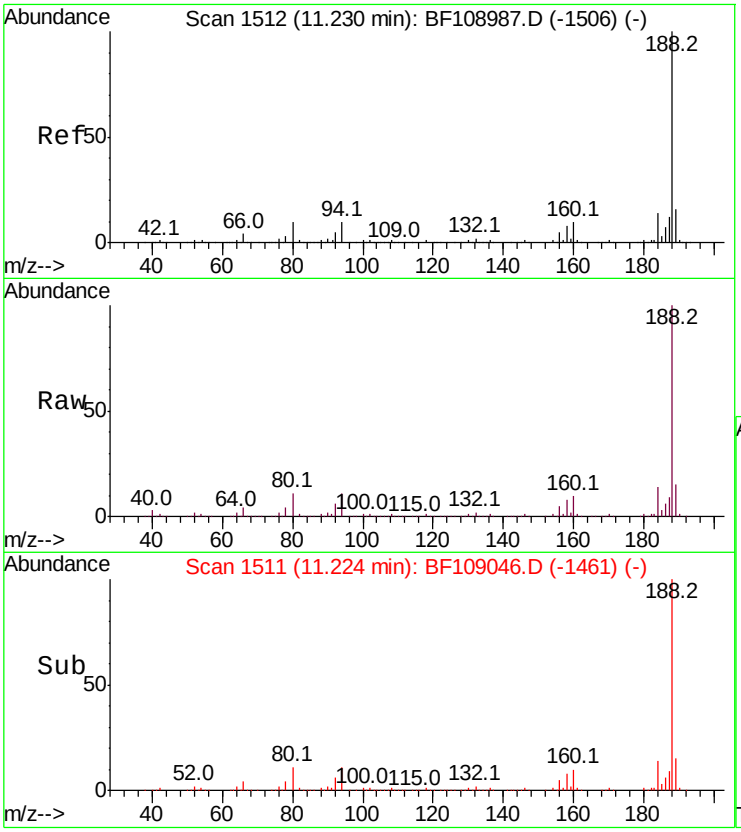


#44
2-Fluorobiphenyl
Concen: 18.313 ng
RT: 9.08 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF109046.D
Acq: 17 Sep 2018 14:18

Tgt Ion:172 Resp: 227299

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.4	19.6	29.4

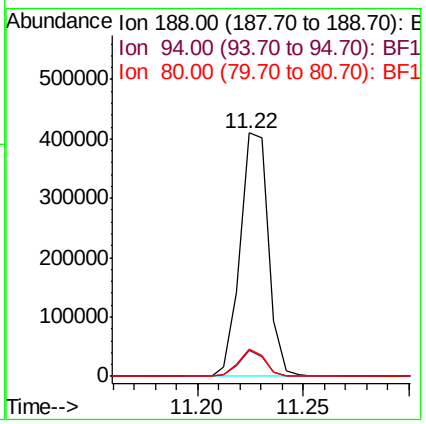




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BF109046.D
Acq: 17 Sep 2018 14:18

Tgt Ion:188 Resp: 379168

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.5	12.7
80	11.5	9.2	13.8



Instrument :
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ClientSampleId :
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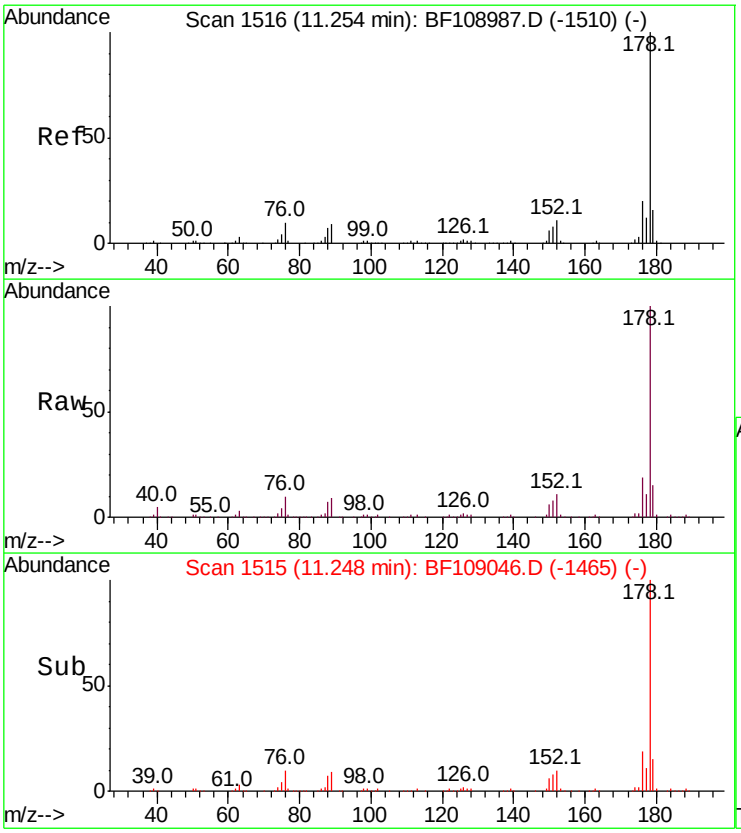
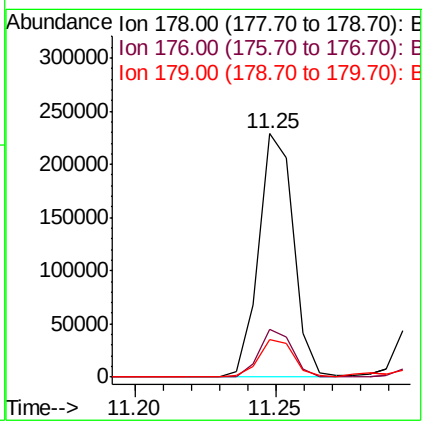
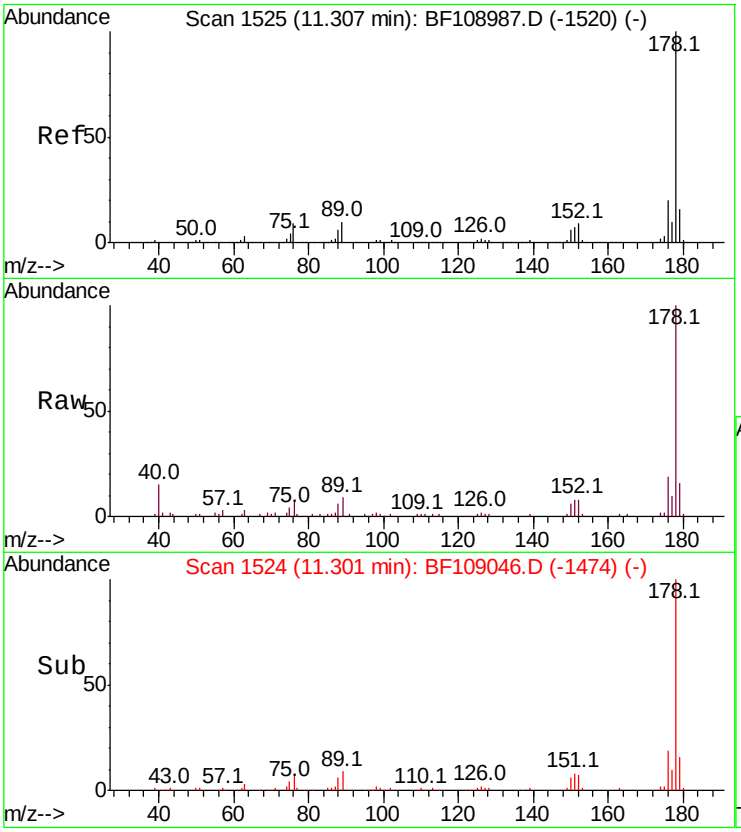


#70
Phenanthrene
Concen: 10.523 ng
RT: 11.25 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BF109046.D
Acq: 17 Sep 2018 14:18

Tgt Ion:178 Resp: 195596

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.2	13.0	19.6

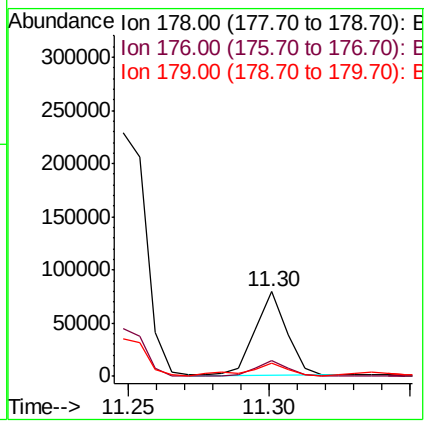




#71
Anthracene
Concen: 3.277 ng
RT: 11.30 min Scan# 1524
Delta R.T. -0.01 min
Lab File: BF109046.D
Acq: 17 Sep 2018 14:18

Tgt Ion:178 Resp: 61751

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	15.6	12.6	19.0



Instrument :
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Manual Integrations APPROVED
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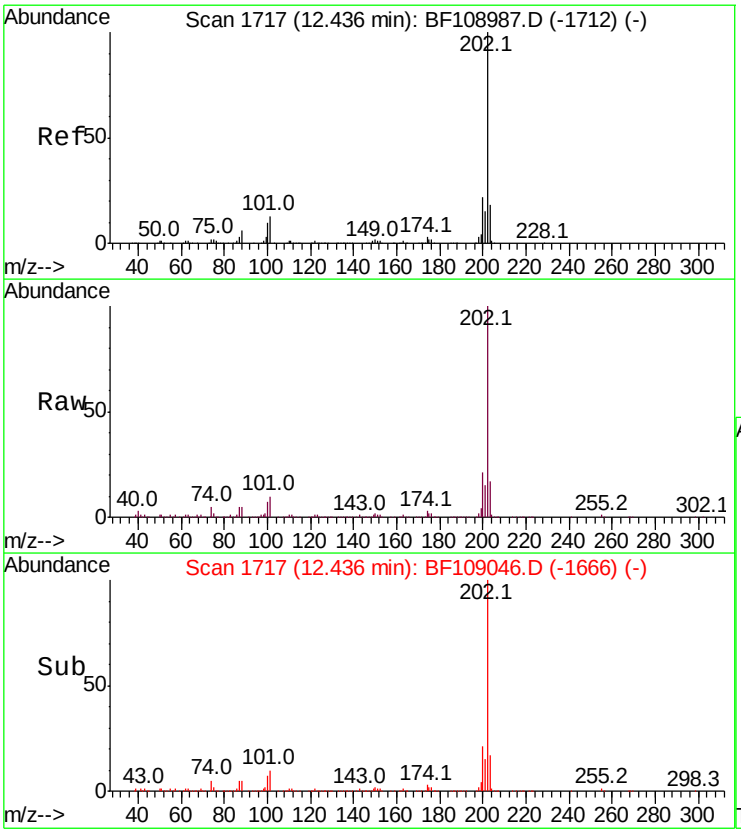
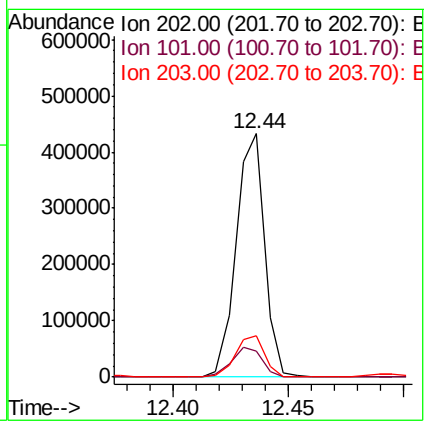
9/18/2018 6:00:03 PM

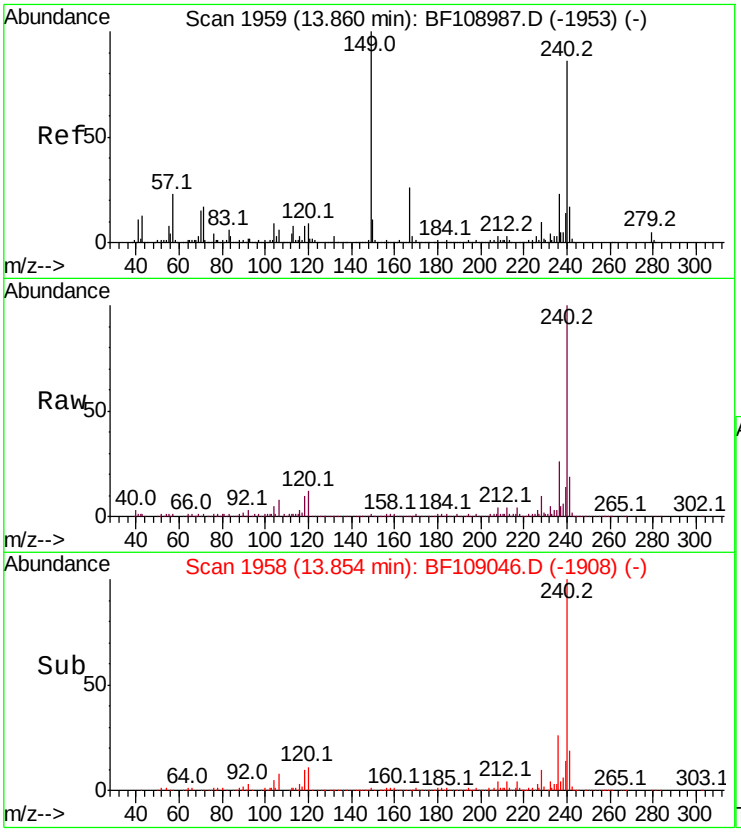


#74
Fluoranthene
Concen: 18.991 ng
RT: 12.44 min Scan# 1717
Delta R.T. -0.00 min
Lab File: BF109046.D
Acq: 17 Sep 2018 14:18

Tgt Ion:202 Resp: 372649

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	34.1
203	17.0	0.0	38.1

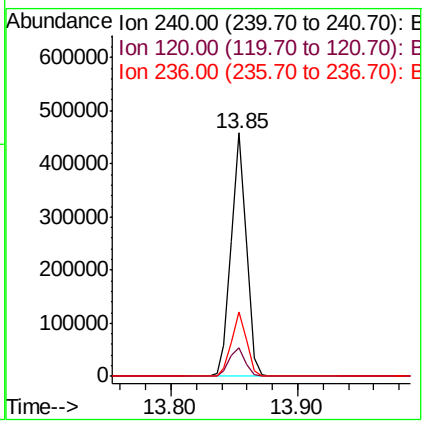




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.85 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BF109046.D
Acq: 17 Sep 2018 14:18

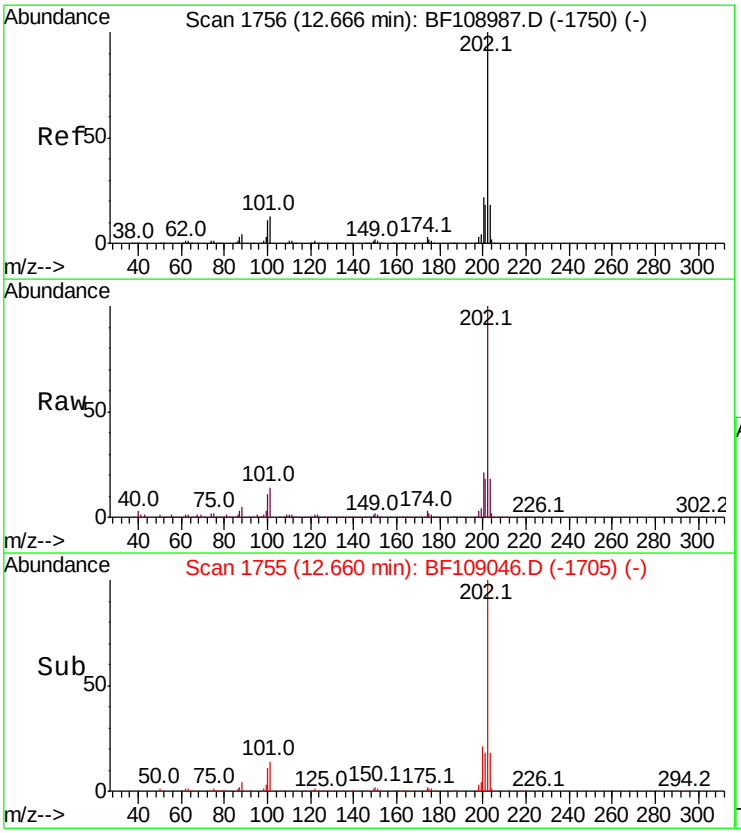
Tgt Ion:240 Resp: 379040

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.5	14.3
236	26.2	20.7	31.1



Instrument :
BNA_F
ClientSampleId :
CL-01-091418-C

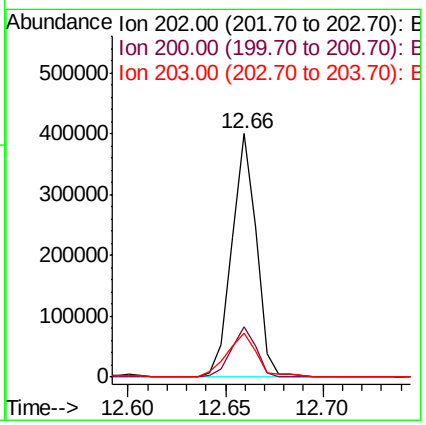
Manual Integrations APPROVED
Sohil
9/18/2018 6:00:03 PM

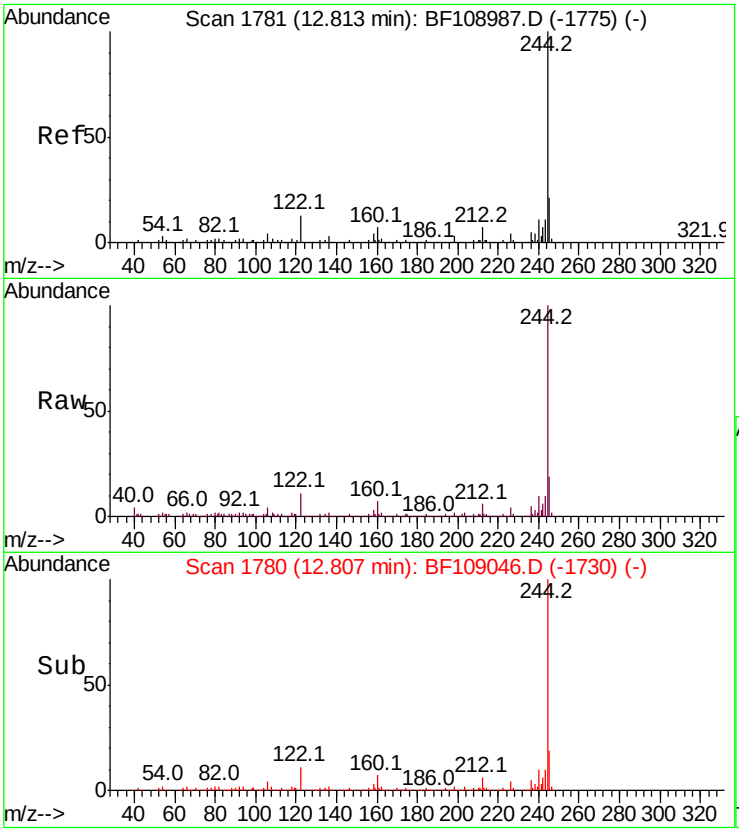


#77
Pyrene
Concen: 12.367 ng
RT: 12.66 min Scan# 1755
Delta R.T. -0.01 min
Lab File: BF109046.D
Acq: 17 Sep 2018 14:18

Tgt Ion:202 Resp: 348201

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.9	14.3	21.5

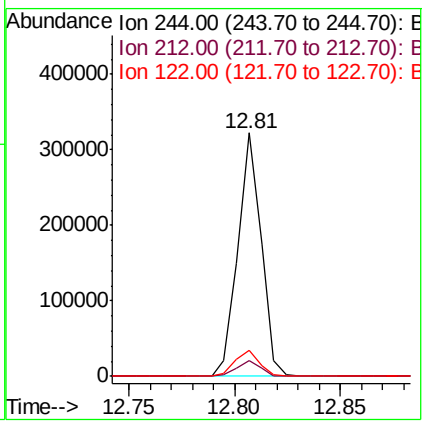




#78
Terphenyl-d14
Concen: 15.305 ng
RT: 12.81 min Scan# 1780
Delta R.T. -0.01 min
Lab File: BF109046.D
Acq: 17 Sep 2018 14:18

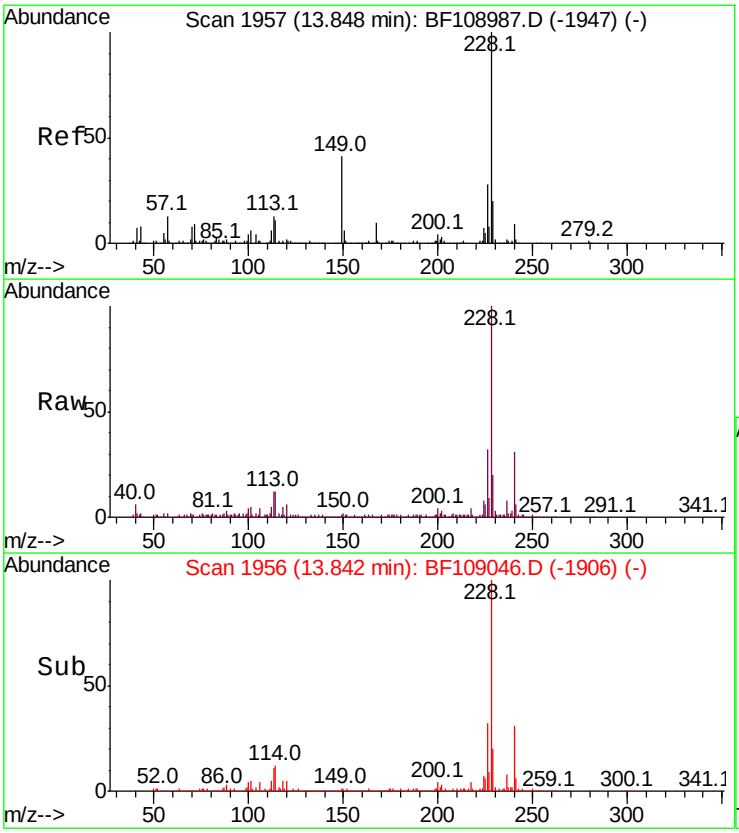
Tgt Ion:244 Resp: 244752

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	10.8	11.0	16.4#



Instrument :
BNA_F
ClientSampleId :
CL-01-091418-C

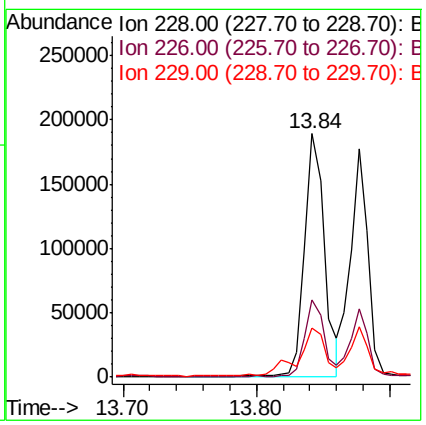
Manual Integrations APPROVED
Sohil
9/18/2018 6:00:03 PM

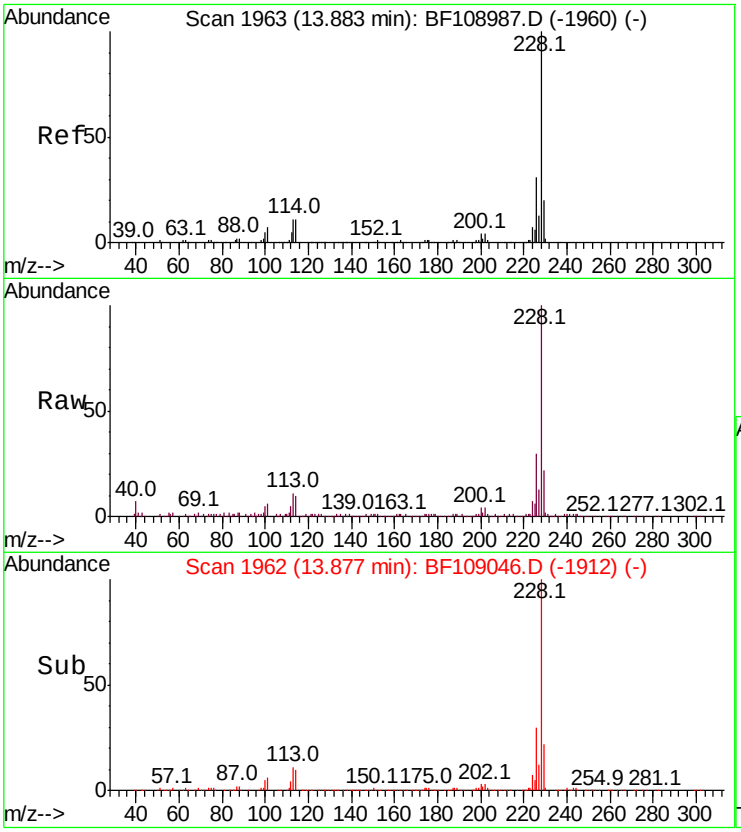


#80
Benzo(a)anthracene
Concen: 8.377 ng
RT: 13.84 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BF109046.D
Acq: 17 Sep 2018 14:18

Tgt Ion:228 Resp: 192227

Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.6	33.8
229	20.4	15.8	23.6

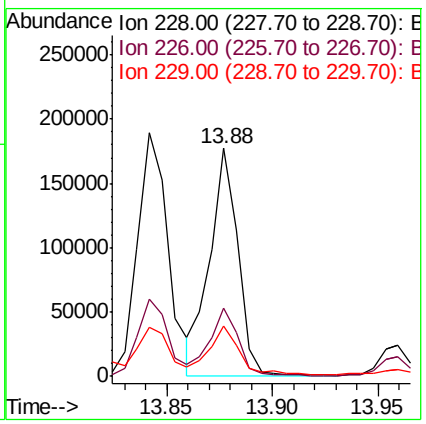




#82
Chrysene
Concen: 7.119 ng
RT: 13.88 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BF109046.D
Acq: 17 Sep 2018 14:18

Tgt Ion:228 Resp: 163448

Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	22.1	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
CL-01-091418-C

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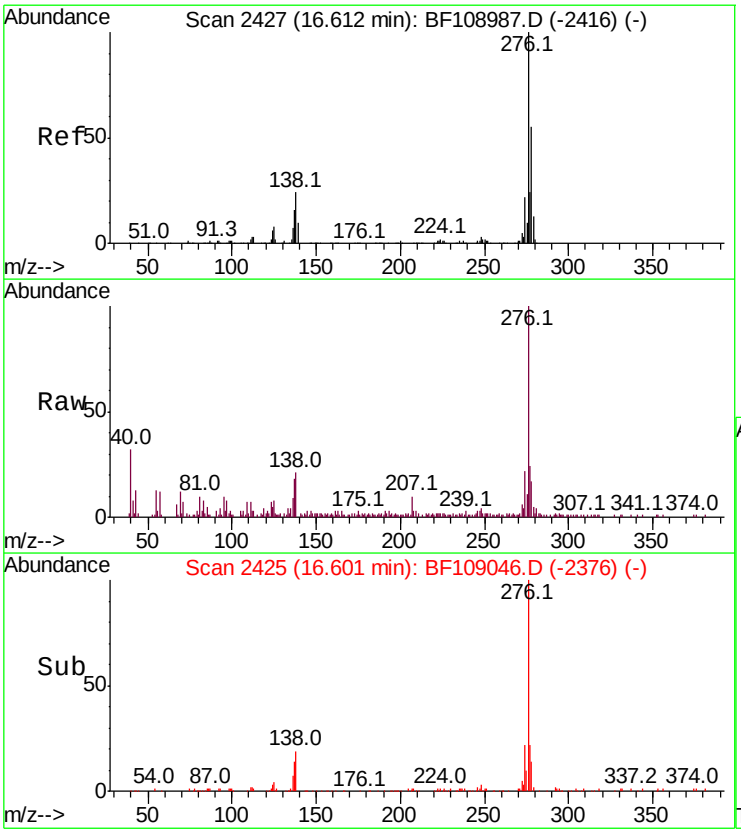
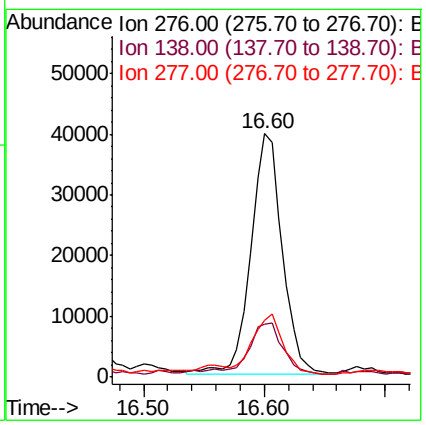
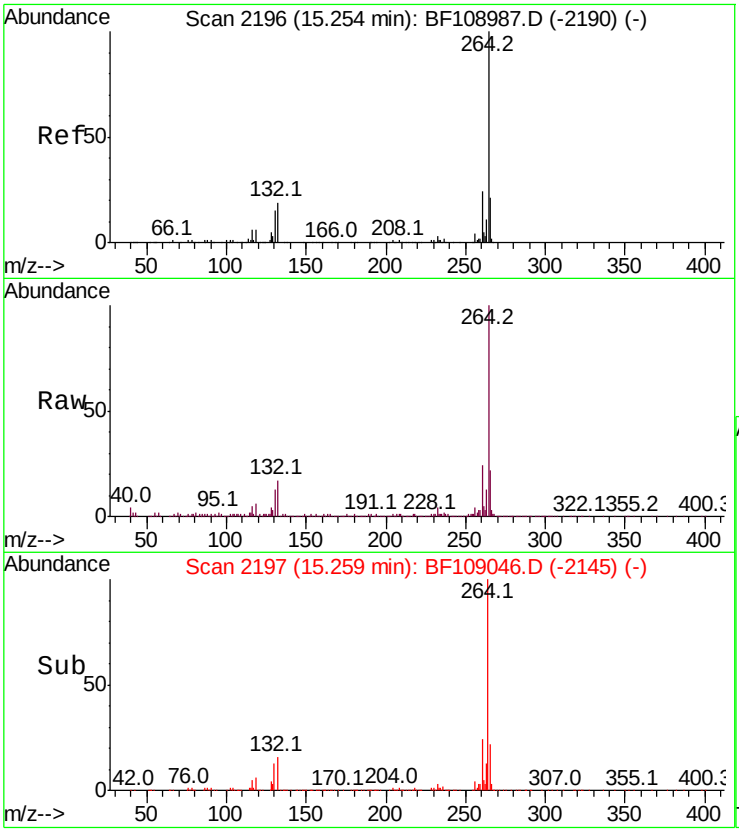


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.933 ng
RT: 16.60 min Scan# 2425
Delta R.T. -0.01 min
Lab File: BF109046.D
Acq: 17 Sep 2018 14:18

Tgt Ion:276 Resp: 72187

Ion	Ratio	Lower	Upper
276	100		
138	23.8	25.0	37.6#
277	24.5	20.1	30.1

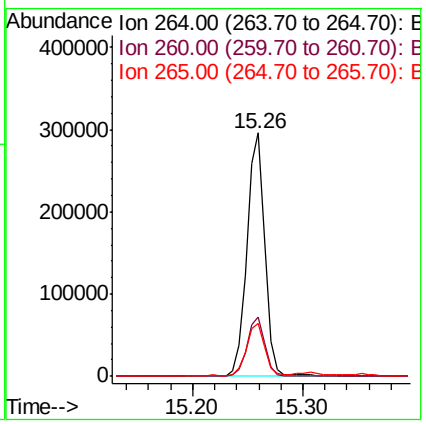




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF109046.D
Acq: 17 Sep 2018 14:18

Tgt Ion:264 Resp: 334362

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.9	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
CL-01-091418-C

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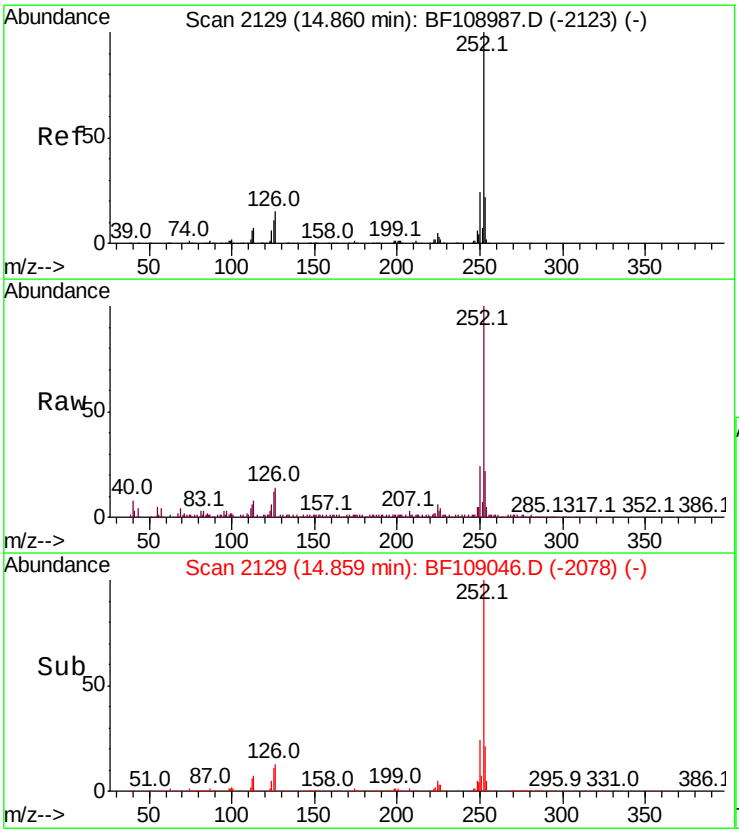
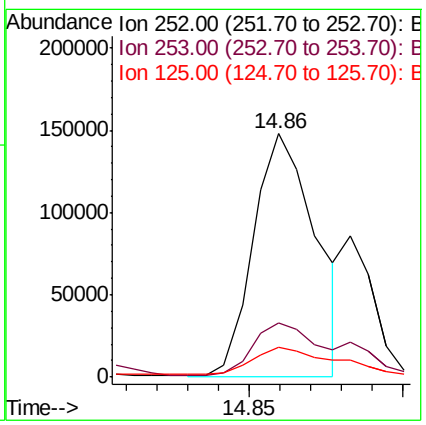
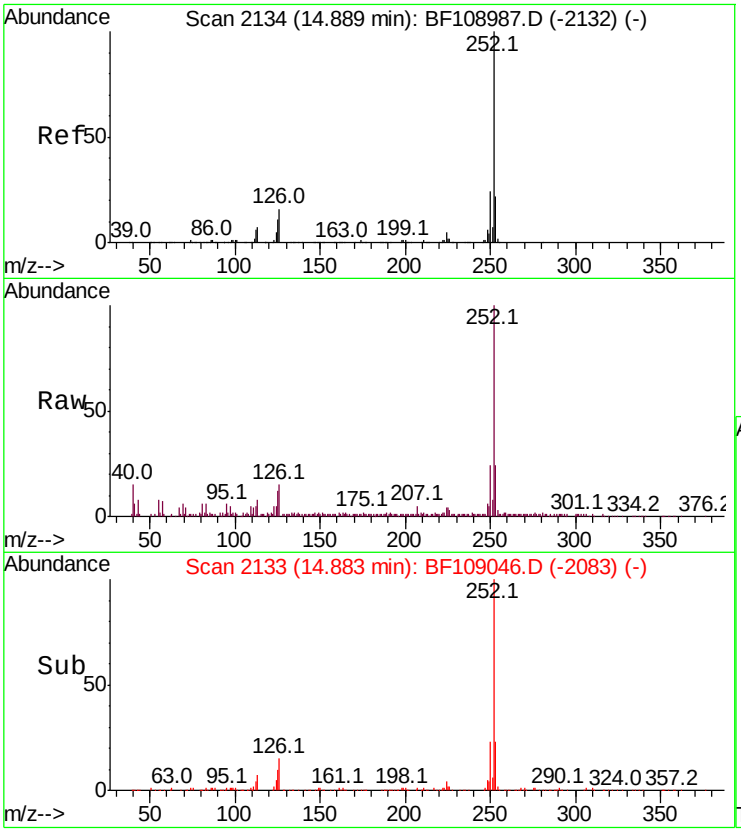


#87
Benzo(b)fluoranthene
Concen: 11.354 ng m
RT: 14.86 min Scan# 2129
Delta R.T. -0.00 min
Lab File: BF109046.D
Acq: 17 Sep 2018 14:18

Tgt Ion:252 Resp: 210015

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	12.4	9.0	13.6

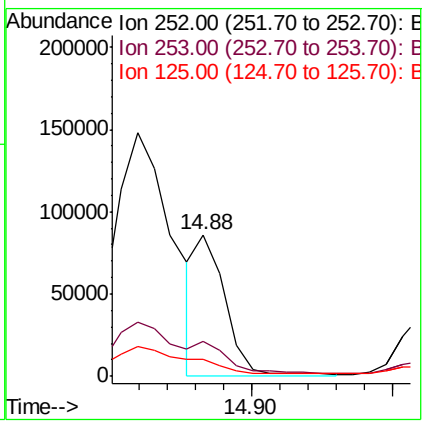




#88
Benzo(k)fluoranthene
Concen: 3.651 ng m
RT: 14.88 min Scan# 2133
Delta R.T. -0.01 min
Lab File: BF109046.D
Acq: 17 Sep 2018 14:18

Tgt Ion:252 Resp: 63070

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	12.2	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
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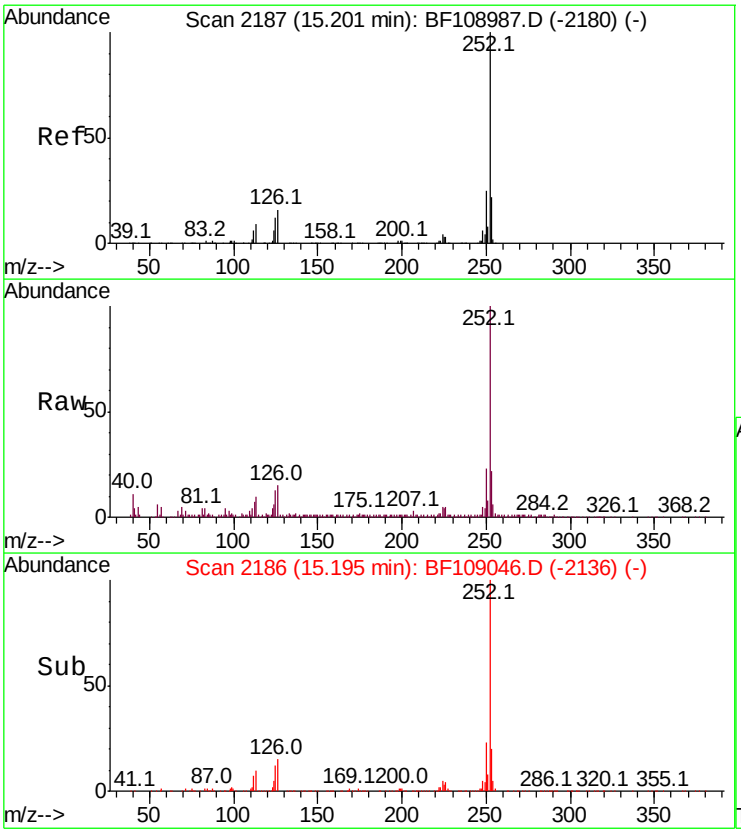
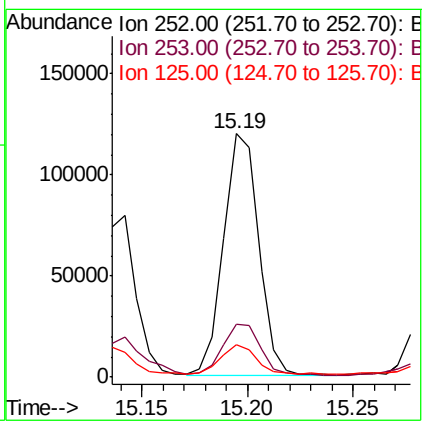
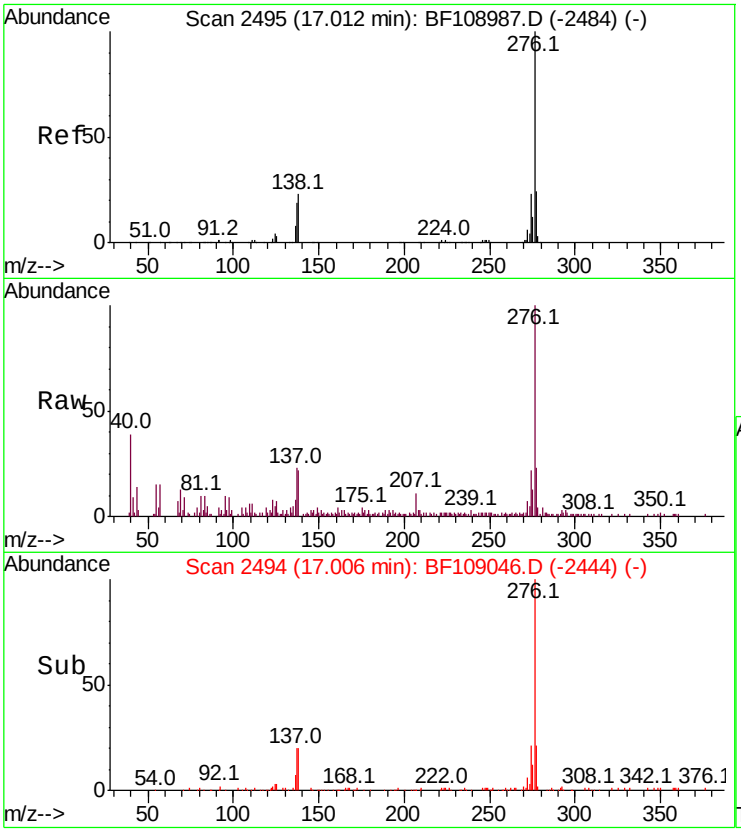


#89
Benzo(a)pyrene
Concen: 8.418 ng
RT: 15.19 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF109046.D
Acq: 17 Sep 2018 14:18

Tgt Ion:252 Resp: 138277

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	13.2	9.8	14.6

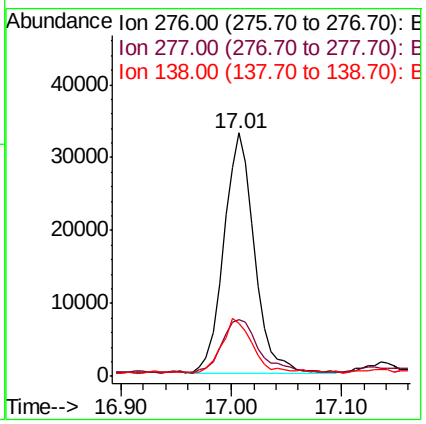




#91
Benzo(g,h,i)perylene
Concen: 4.634 ng
RT: 17.01 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BF109046.D
Acq: 17 Sep 2018 14:18

Tgt Ion:276 Resp: 63941

Ion	Ratio	Lower	Upper
276	100		
277	23.4	17.9	26.9
138	21.8	21.8	32.8#



Instrument :
BNA_F
ClientSampleId :
CL-01-091418-C

Manual Integrations APPROVED
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