Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\
Data File : BF109808.D
Acq On : 12 Oct 2018 1:17
Operator : JU/SJ
Sample : J5314-04 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-21

Manual Integrations APPROVED
Sohil
10/12/2018 11:01:39 AM

Quant Time: Oct 12 05:58:33 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 08 16:02:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	56616	20.00	ng		0.00
21) Naphthalene-d8	7.97	136	239206	20.00	ng		0.00
38) Acenaphthene-d10	9.72	164	100136	20.00	ng		0.00
63) Phenanthrene-d10	11.20	188	202470	20.00	ng		0.00
75) Chrysene-d12	13.83	240	200601	20.00	ng		0.00
86) Perylene-d12	15.23	264	149437	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.32	112	50083	15.70	ng		0.00
7) Phenol-d6	6.35	99	81547	19.14	ng		-0.01
23) Nitrobenzene-d5	7.26	82	54528	12.57	ng		0.00
41) 2,4,6-Tribromophenol	10.51	330	22885	20.97	ng		0.00
44) 2-Fluorobiphenyl	9.05	172	103410	14.22	ng		-0.01
78) Terphenyl-d14	12.77	244	114037	11.00	ng		-0.01
Target Compounds							Qvalue
70) Phenanthrene	11.23	178	59432	5.866	ng		99
71) Anthracene	11.28	178	23496	2.243	ng		95
74) Fluoranthene	12.41	202	144963	13.695	ng		97
77) Pyrene	12.63	202	129866	8.836	ng		99
80) Benzo(a)anthracene	13.82	228	77523	7.003	ng		95
82) Chrysene	13.86	228	63398	5.452	ng		97
85) Indeno(1,2,3-cd)pyrene	16.58	276	26472	3.181	ng	#	93
87) Benzo(b)fluoranthene	14.84	252	62467m	7.564	ng		
88) Benzo(k)fluoranthene	14.85	252	32559m	3.924	ng		
89) Benzo(a)pyrene	15.17	252	47266	6.307	ng		100
91) Benzo(g,h,i)perylene	16.99	276	26182	4.260	ng		97

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

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Manual Integrations APPROVED
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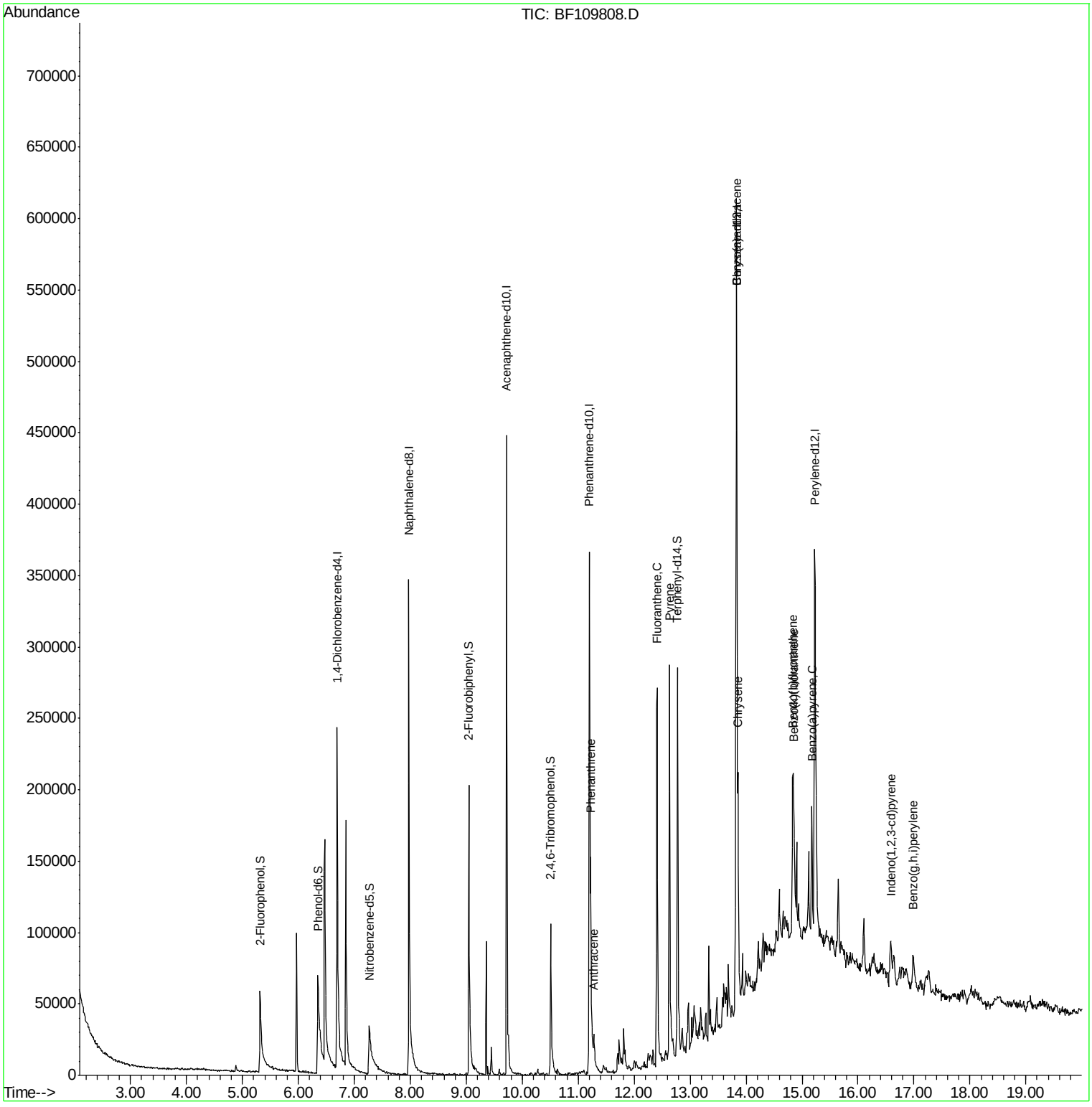
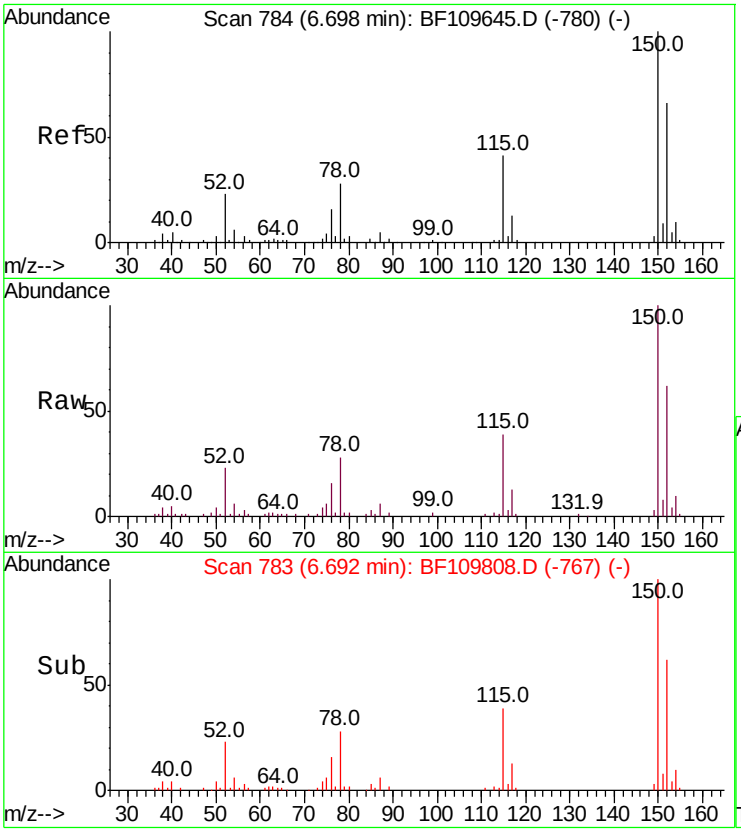
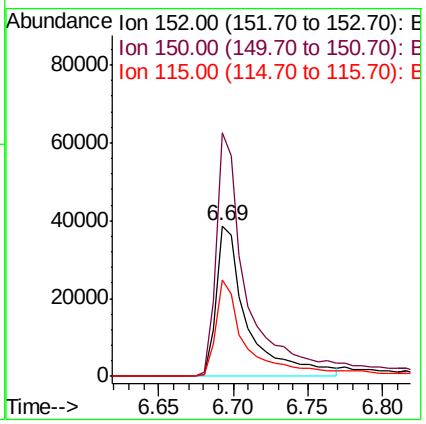




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion:152 Resp: 56616

Ion	Ratio	Lower	Upper
152	100		
150	161.7	122.7	184.1
115	63.6	49.1	73.7



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-21

Manual Integrations APPROVED
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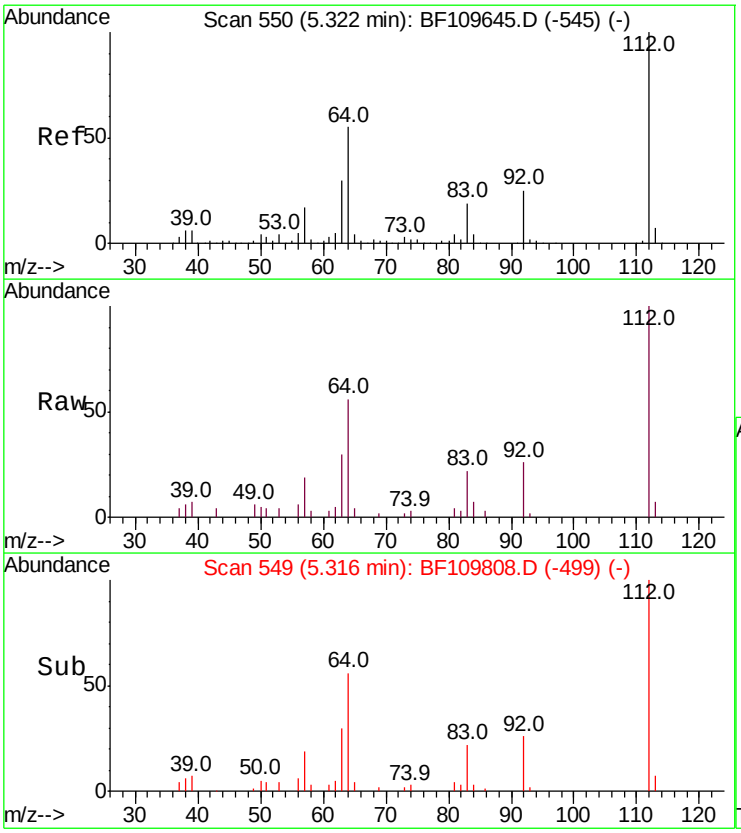
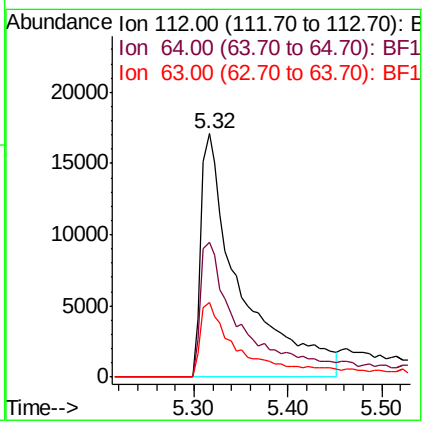
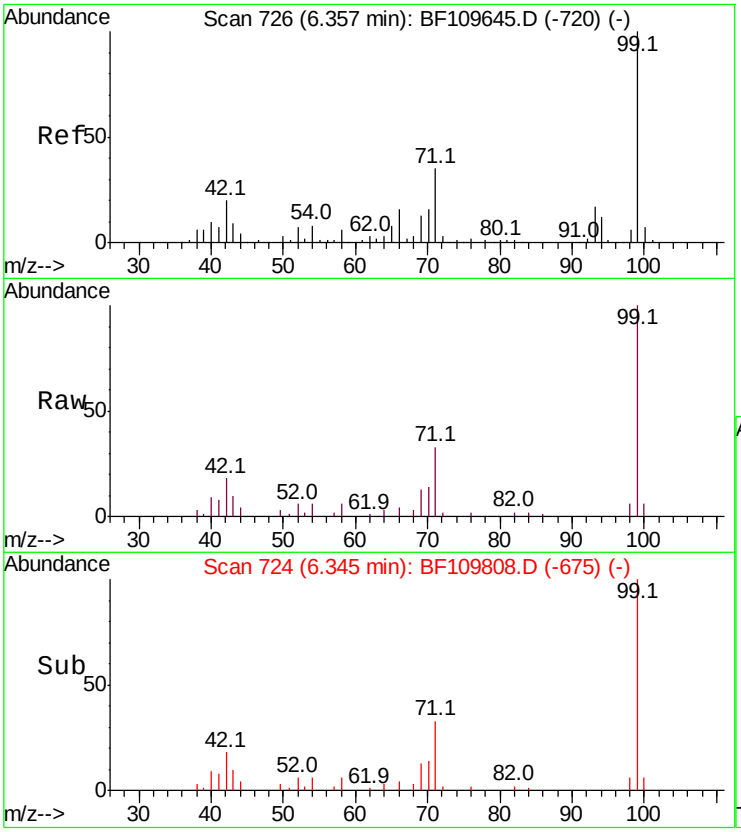


#5
2-Fluorophenol
Concen: 15.702 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion:112 Resp: 50083

Ion	Ratio	Lower	Upper
112	100		
64	55.6	44.1	66.1
63	30.5	23.7	35.5

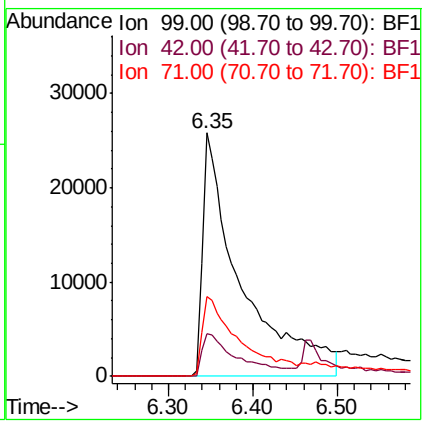




#7
Phenol-d6
Concen: 19.138 ng
RT: 6.35 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion: 99 Resp: 81547

Ion	Ratio	Lower	Upper
99	100		
42	17.7	15.8	23.6
71	32.6	28.0	42.0



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-21

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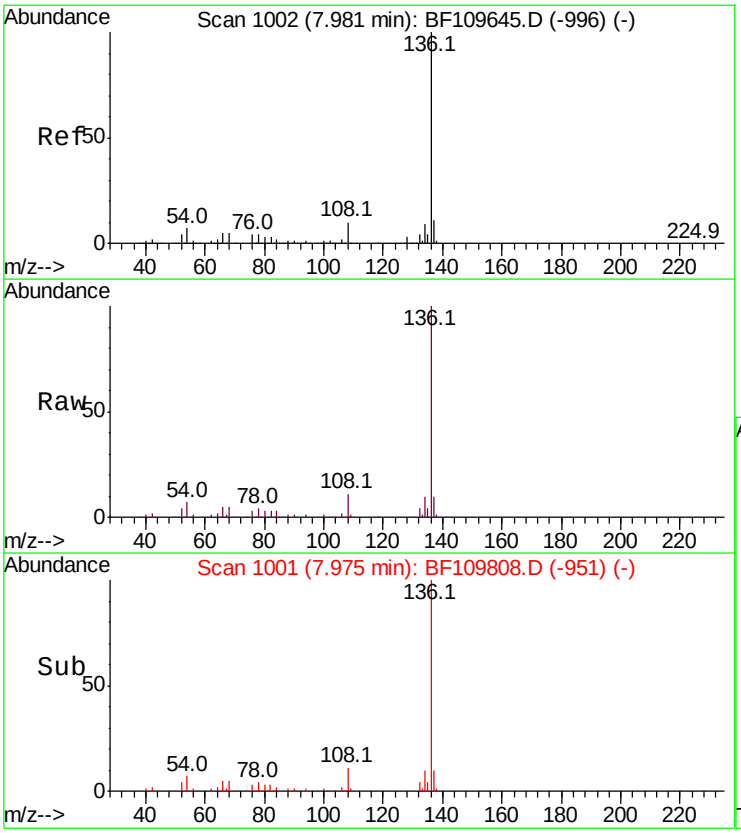
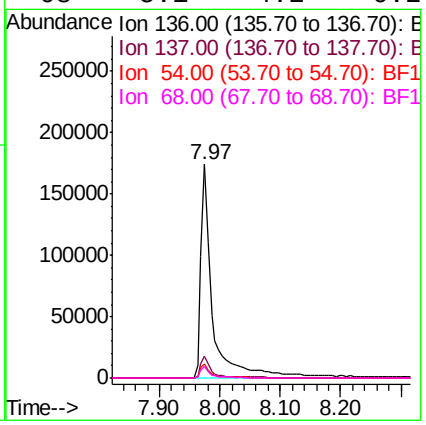
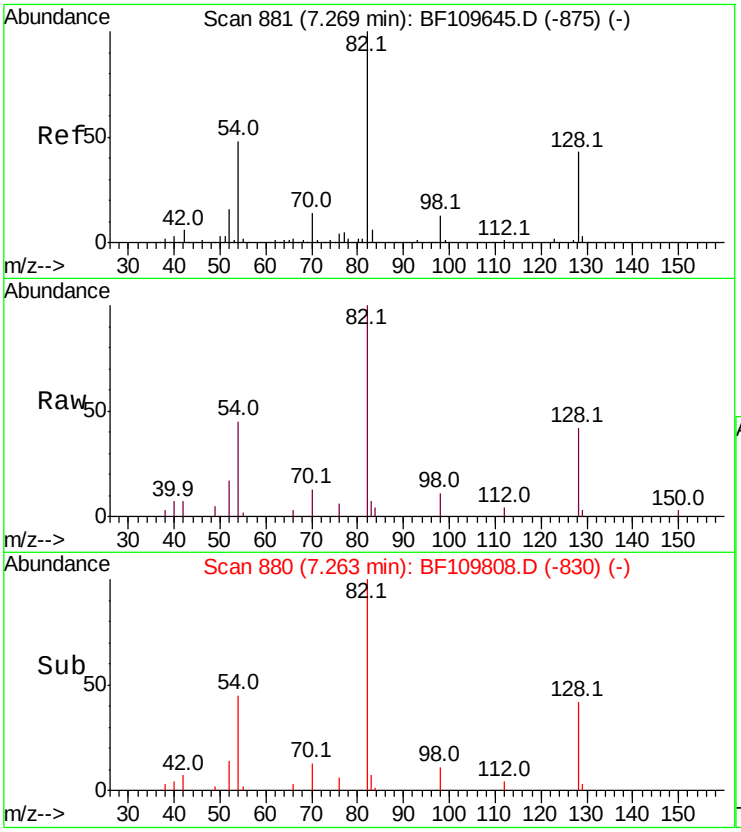


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion:136 Resp: 239206

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.8	13.2
54	6.8	5.4	8.2
68	5.1	4.2	6.2

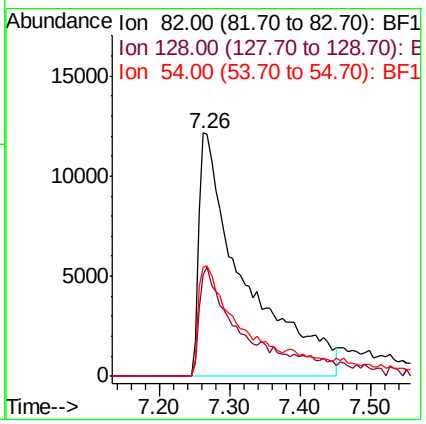




#23
Nitrobenzene-d5
Concen: 12.566 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion: 82 Resp: 54528

Ion	Ratio	Lower	Upper
82	100		
128	41.5	34.2	51.2
54	44.9	38.6	58.0



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-21

Manual Integrations APPROVED
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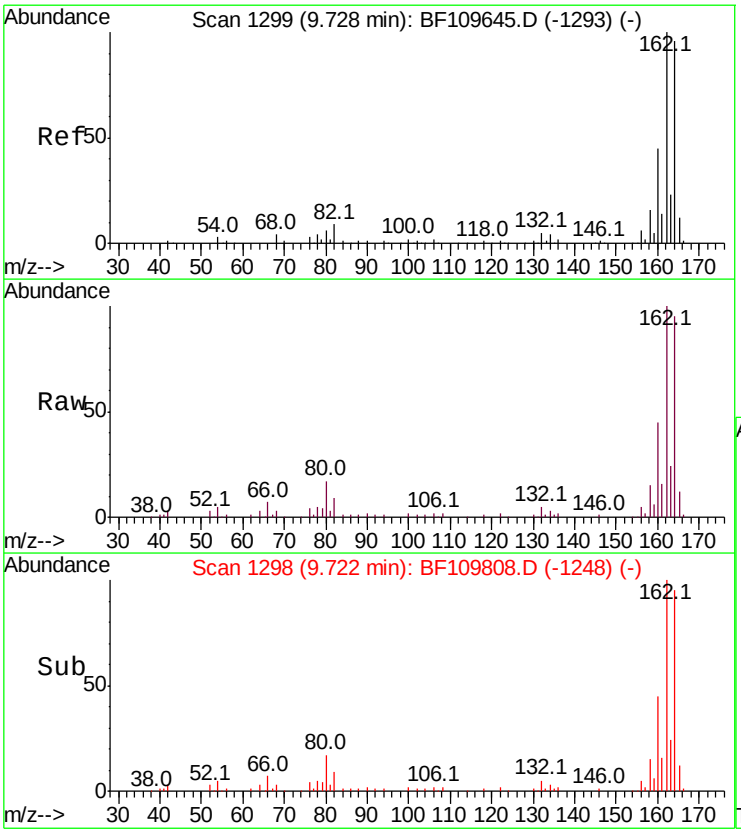
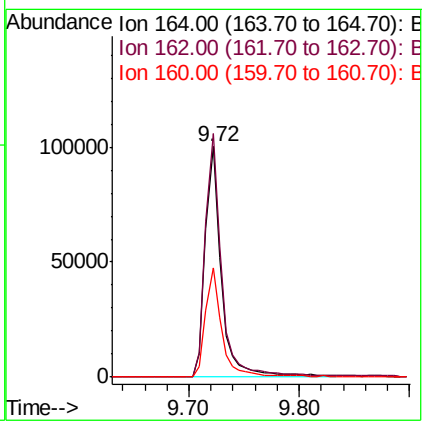
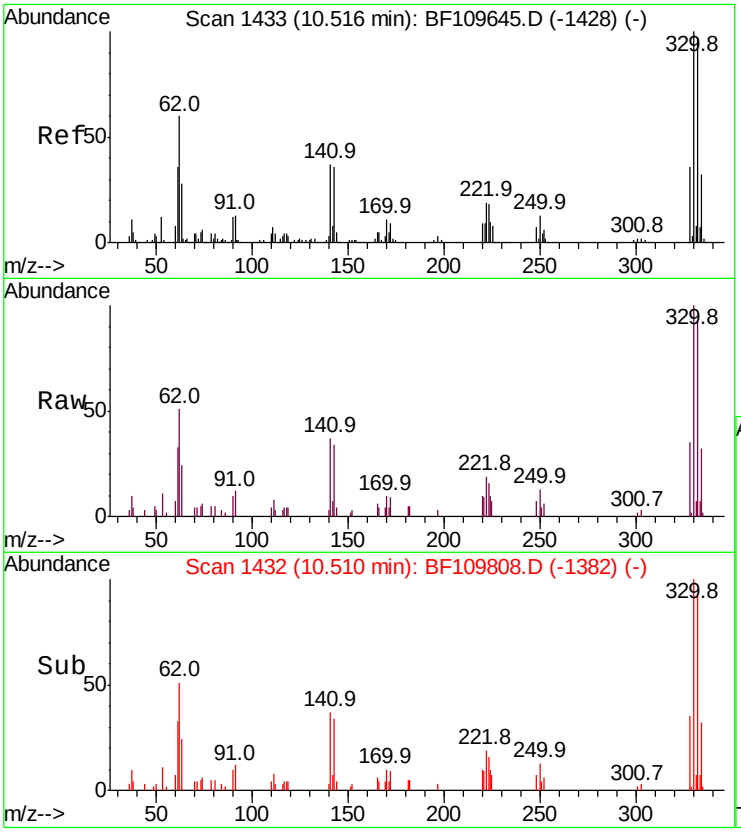


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion:164 Resp: 100136

Ion	Ratio	Lower	Upper
164	100		
162	105.6	83.0	124.6
160	47.3	37.0	55.6





#41
2,4,6-Tribromophenol
Concen: 20.974 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion:330 Resp: 22885

Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.1	115.7
141	32.8	27.0	40.4

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-21

Manual Integrations APPROVED
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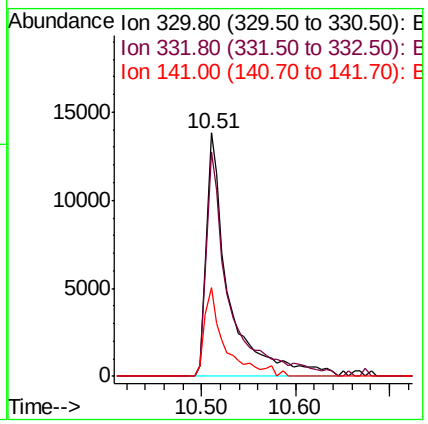
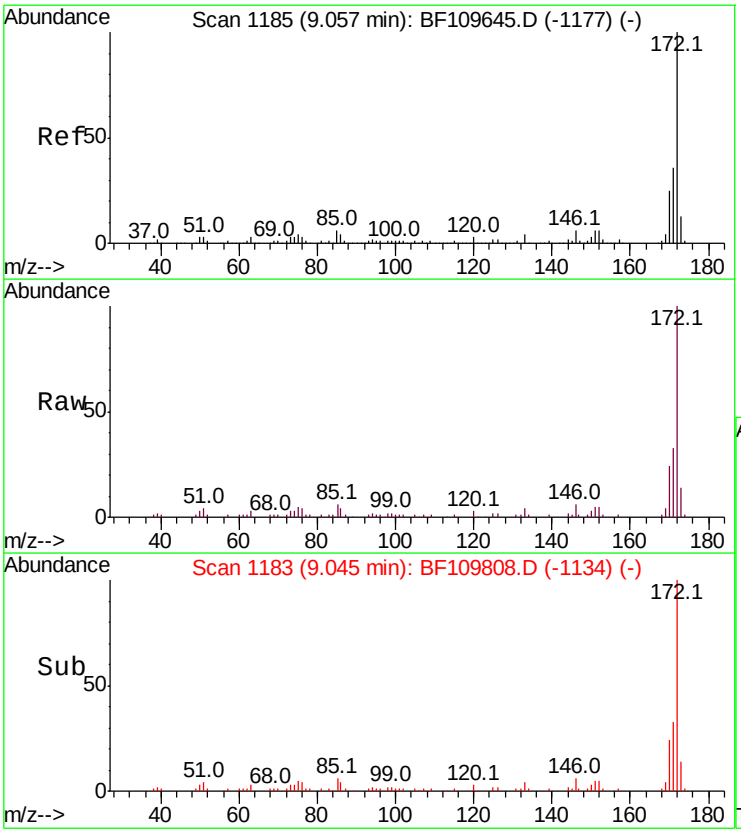
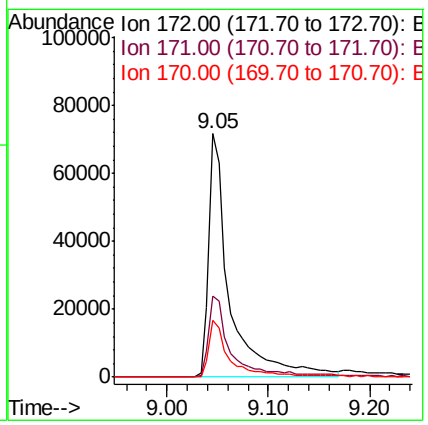


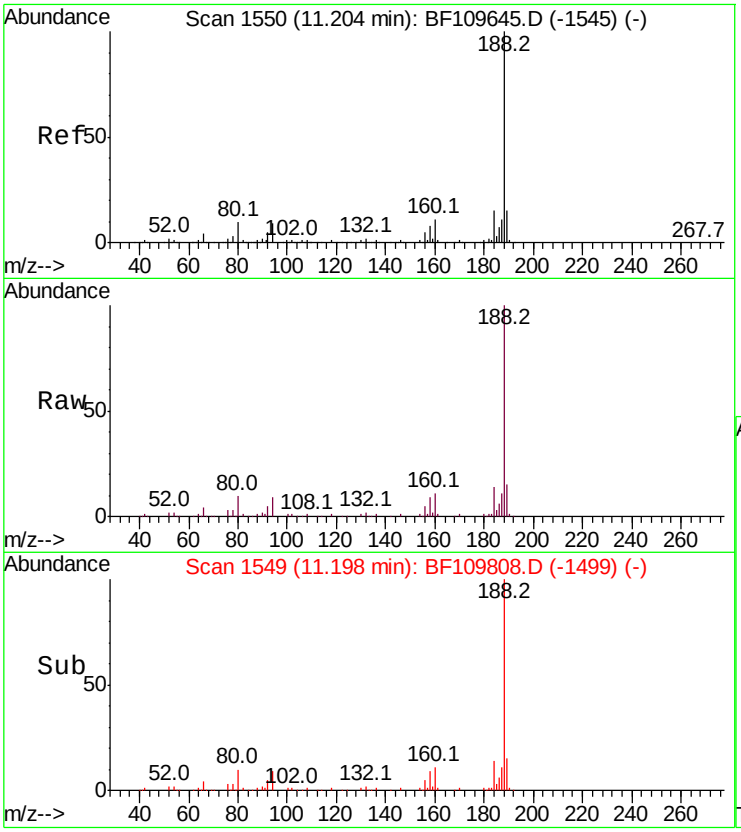


#44
2-Fluorobiphenyl
Concen: 14.223 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion:172 Resp: 103410

Ion	Ratio	Lower	Upper
172	100		
171	33.1	28.6	43.0
170	23.5	19.7	29.5

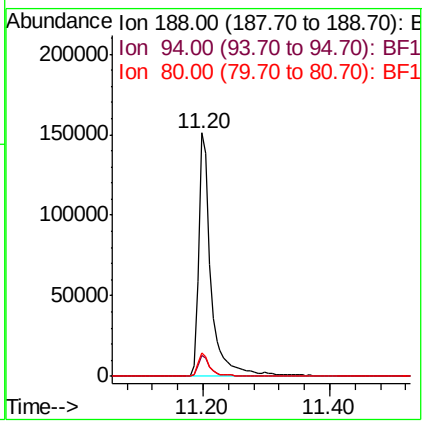




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion:188 Resp: 202470

Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.2	10.8
80	9.8	7.9	11.9



Instrument :
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ClientSampleId :
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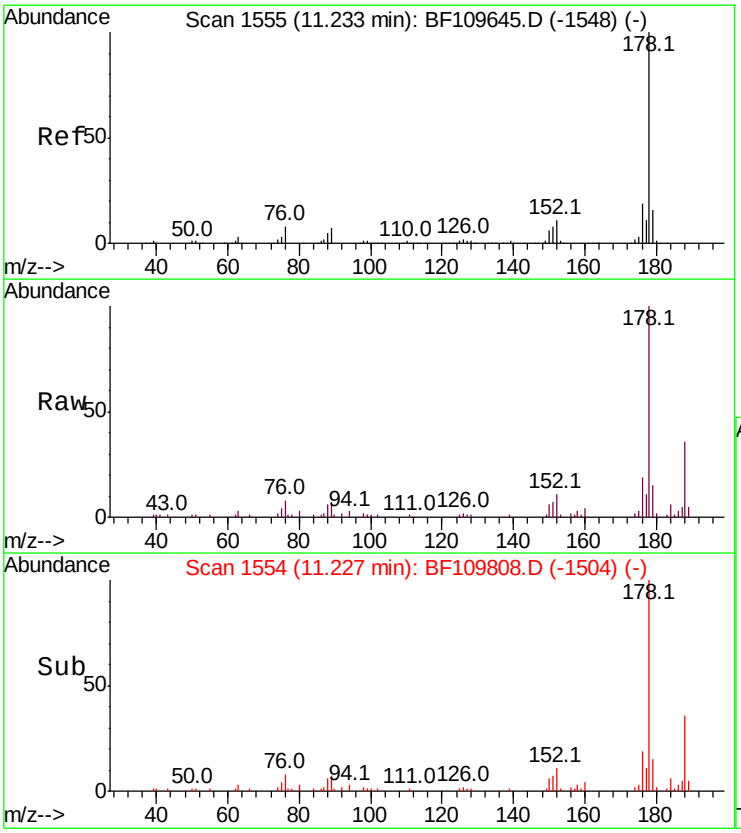
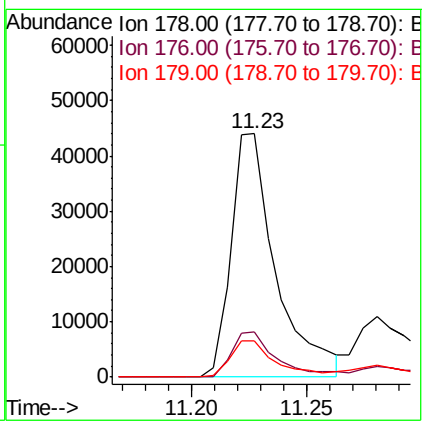
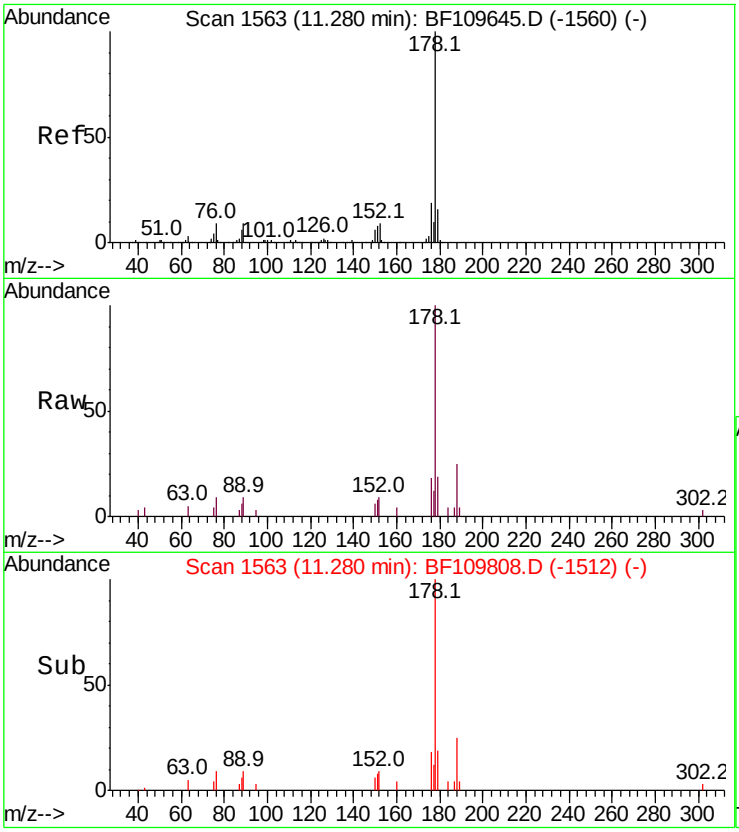


#70
Phenanthrene
Concen: 5.866 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion:178 Resp: 59432

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.5	23.3
179	15.0	12.5	18.7

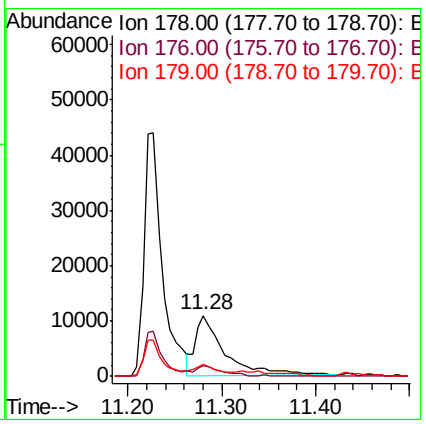




#71
Anthracene
Concen: 2.243 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.00 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion:178 Resp: 23496

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	18.5	12.6	18.8



Instrument :
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ClientSampleId :
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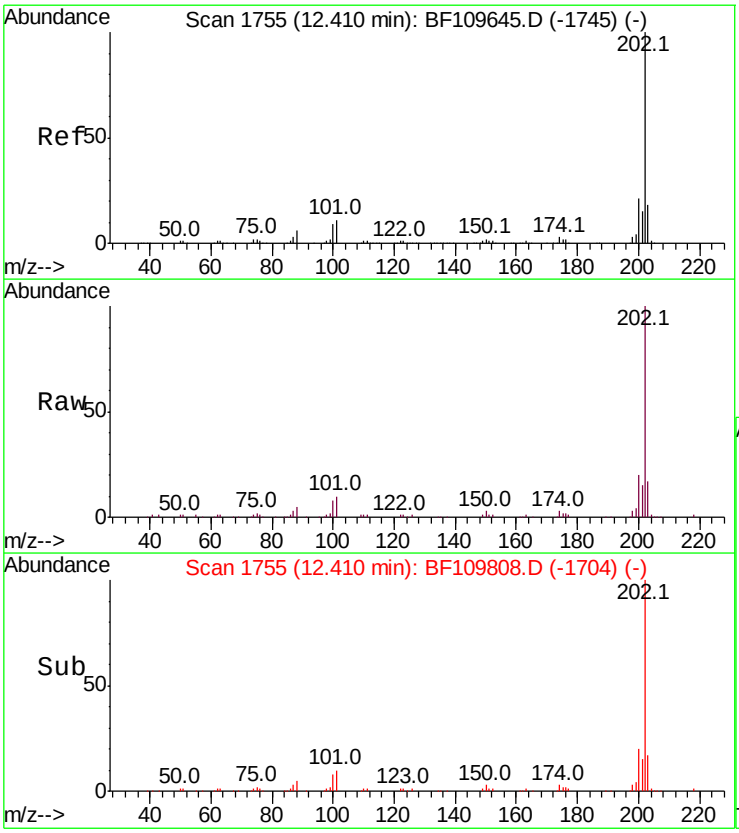
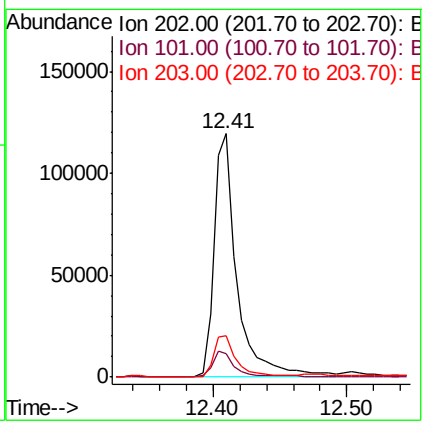
10/12/2018 11:01:39 AM

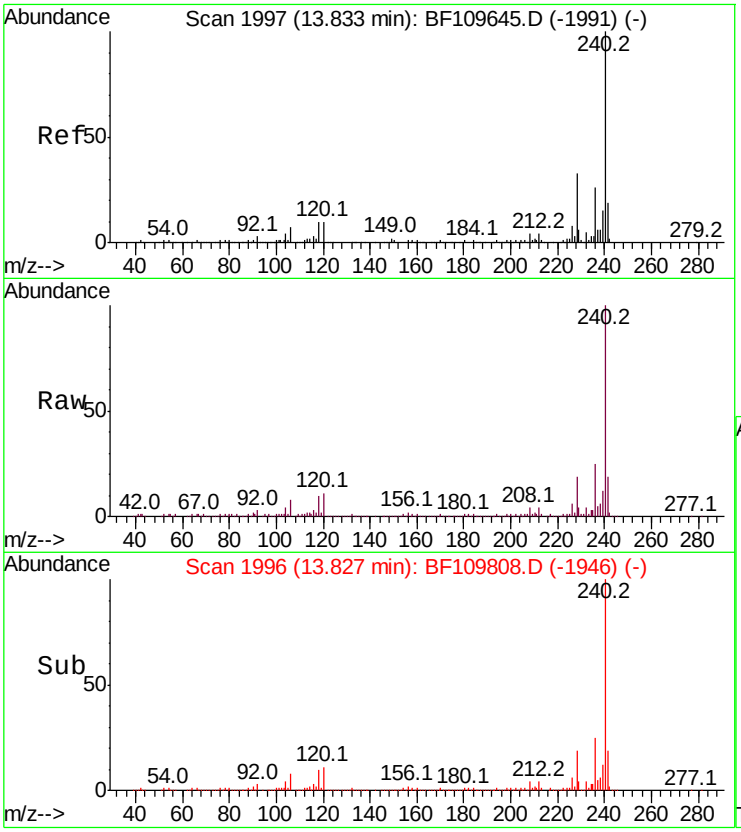


#74
Fluoranthene
Concen: 13.695 ng
RT: 12.41 min Scan# 1755
Delta R.T. -0.00 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion:202 Resp: 144963

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	31.4
203	17.0	0.0	37.7

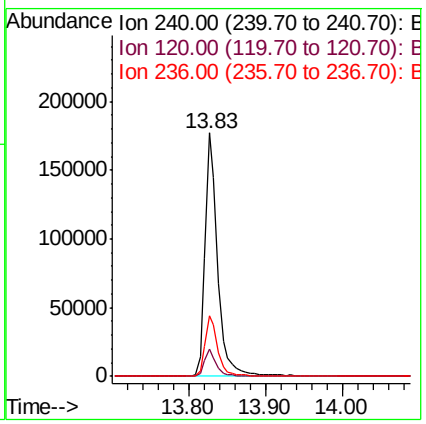




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion:240 Resp: 200601

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.3	12.5
236	24.8	21.2	31.8



Instrument :
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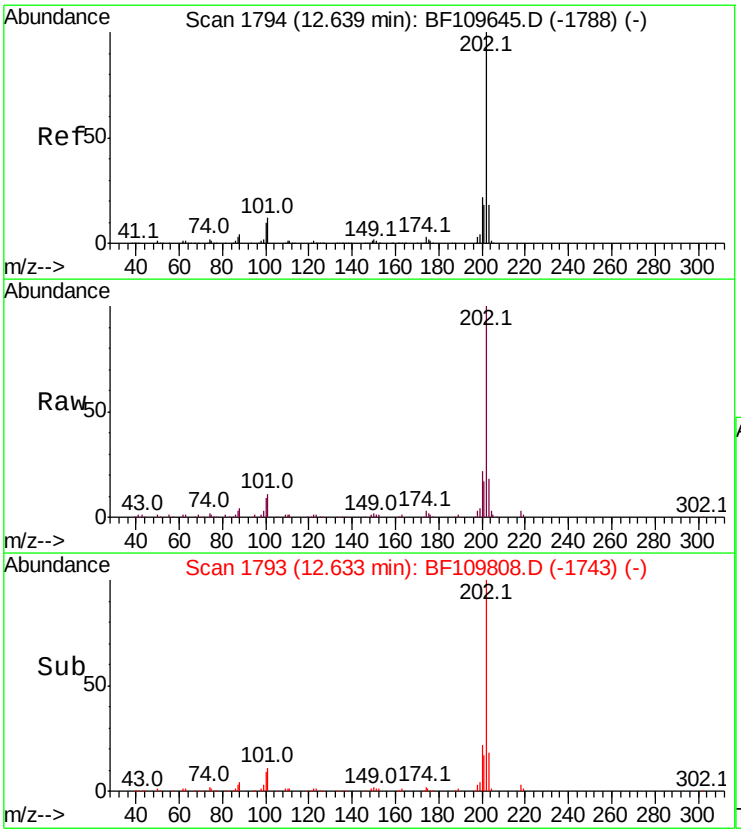
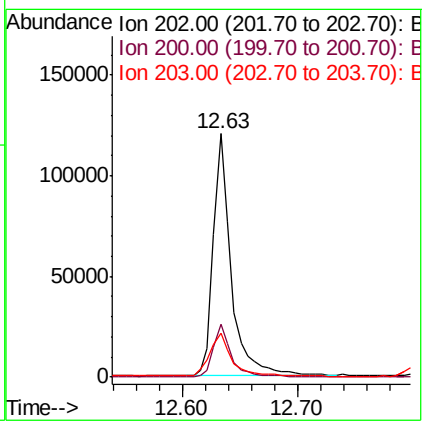
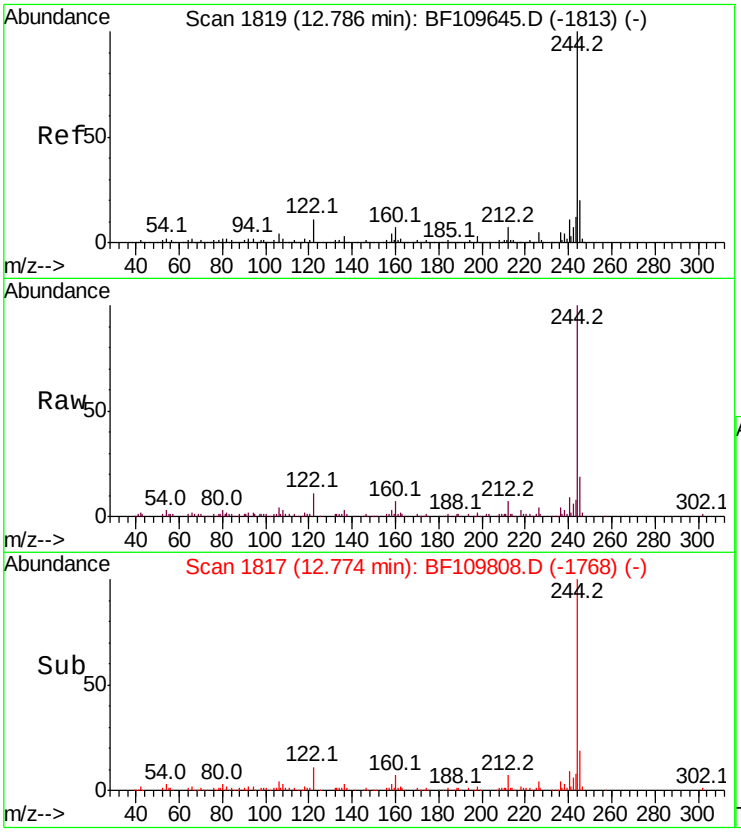


#77
Pyrene
Concen: 8.836 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion:202 Resp: 129866

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.8	26.6
203	17.9	14.2	21.4

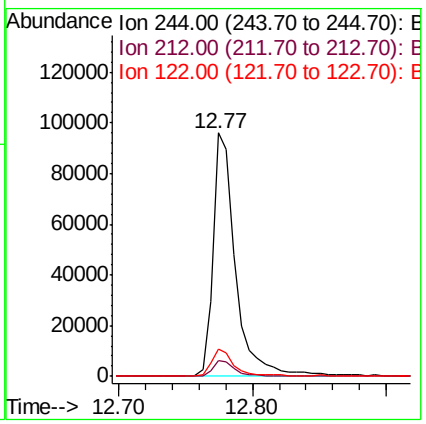




#78
Terphenyl-d14
Concen: 11.005 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion:244 Resp: 114037

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.8
122	11.3	8.7	13.1



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-21

Manual Integrations APPROVED
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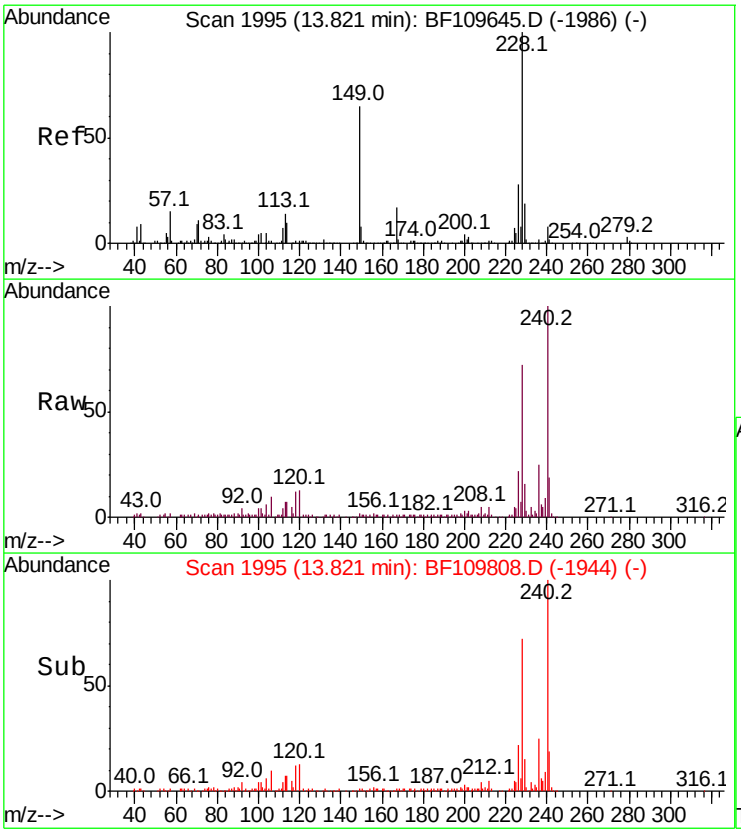
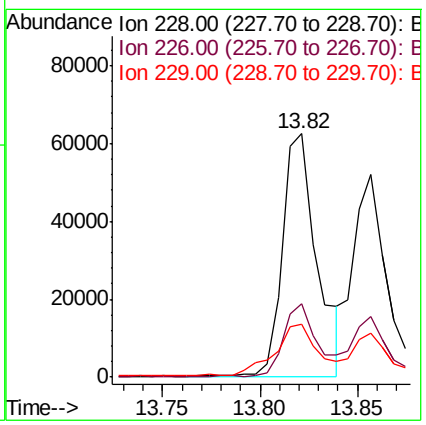
10/12/2018 11:01:39 AM

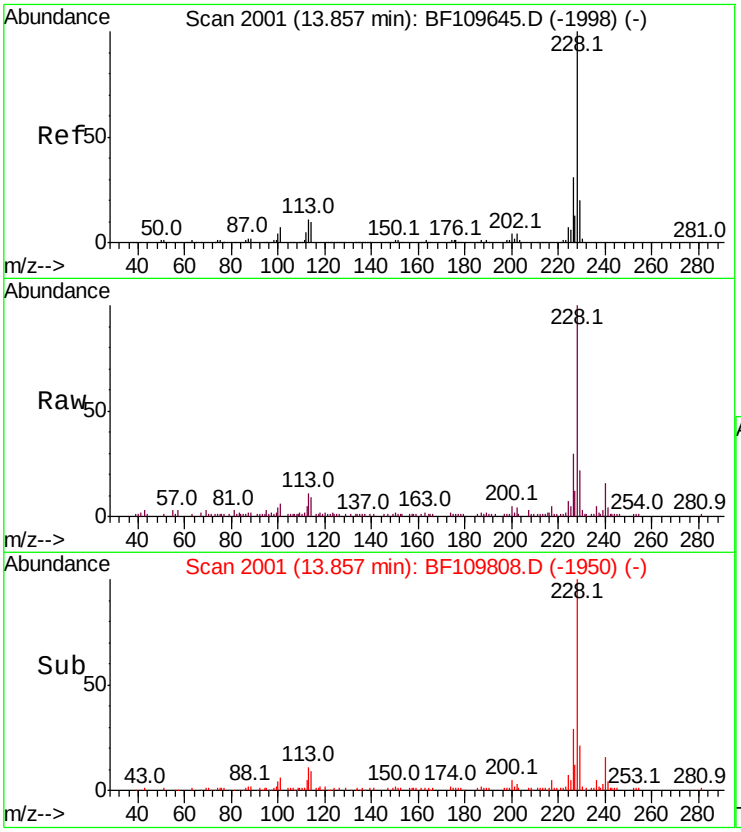


#80
Benzo(a)anthracene
Concen: 7.003 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.00 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion:228 Resp: 77523

Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.1	33.1
229	21.8	15.6	23.4

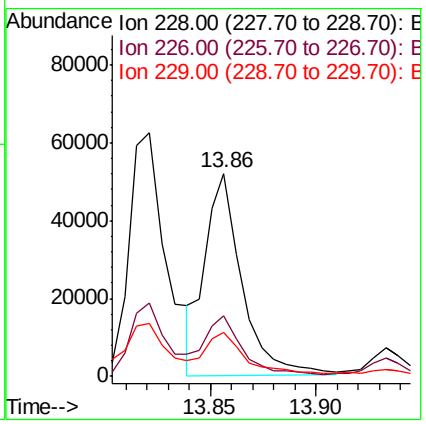




#82
Chrysene
Concen: 5.452 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.00 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion:228 Resp: 63398

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.7	37.1
229	21.5	15.9	23.9



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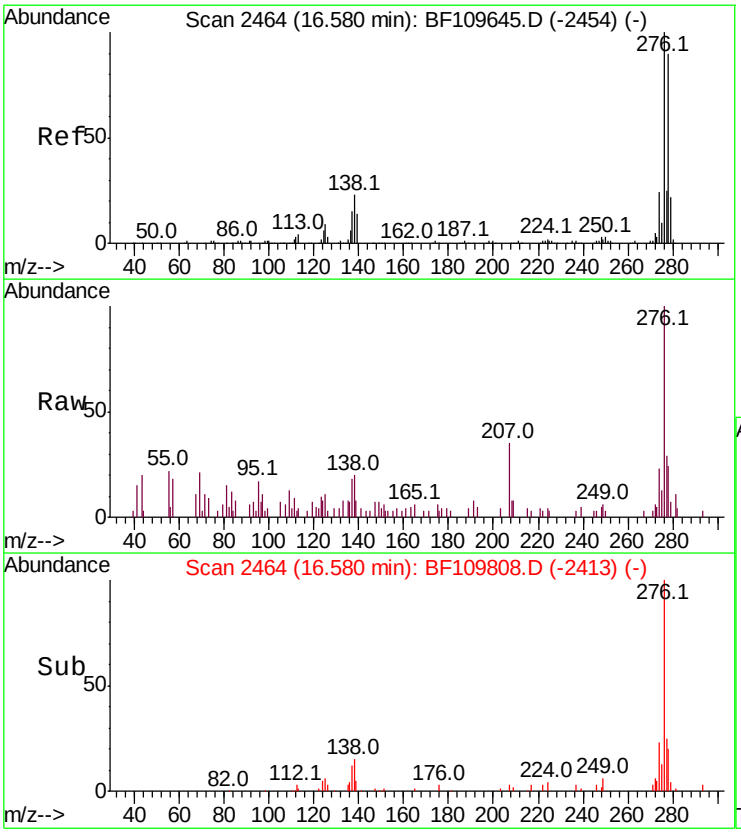
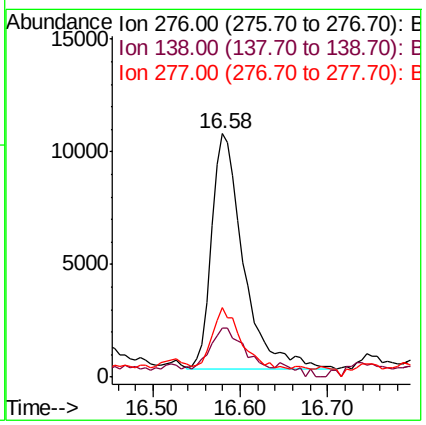
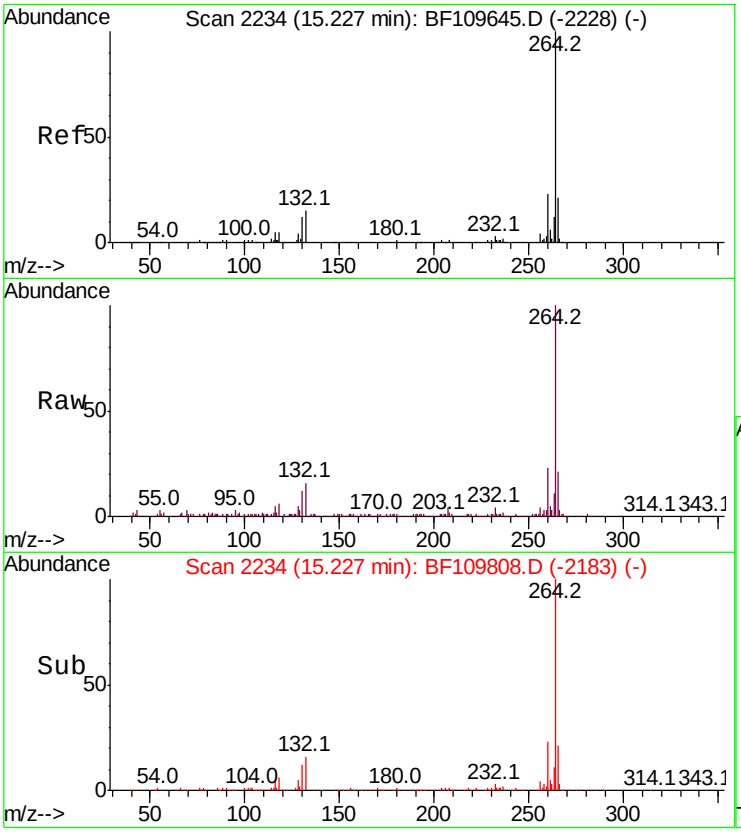


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.181 ng
RT: 16.58 min Scan# 2464
Delta R.T. -0.00 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion:276 Resp: 26472

Ion	Ratio	Lower	Upper
276	100		
138	17.5	18.5	27.7#
277	23.9	20.0	30.0

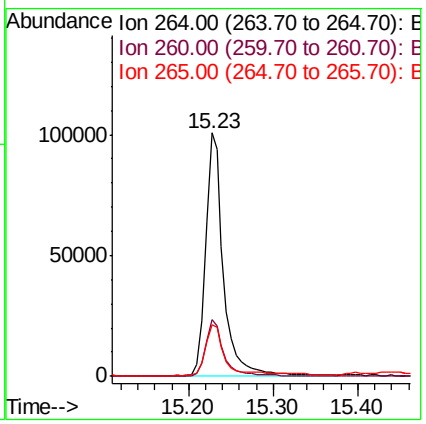




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.00 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion:264 Resp: 149437

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.0	16.7	25.1



Instrument :
BNA_F
ClientSampleId :
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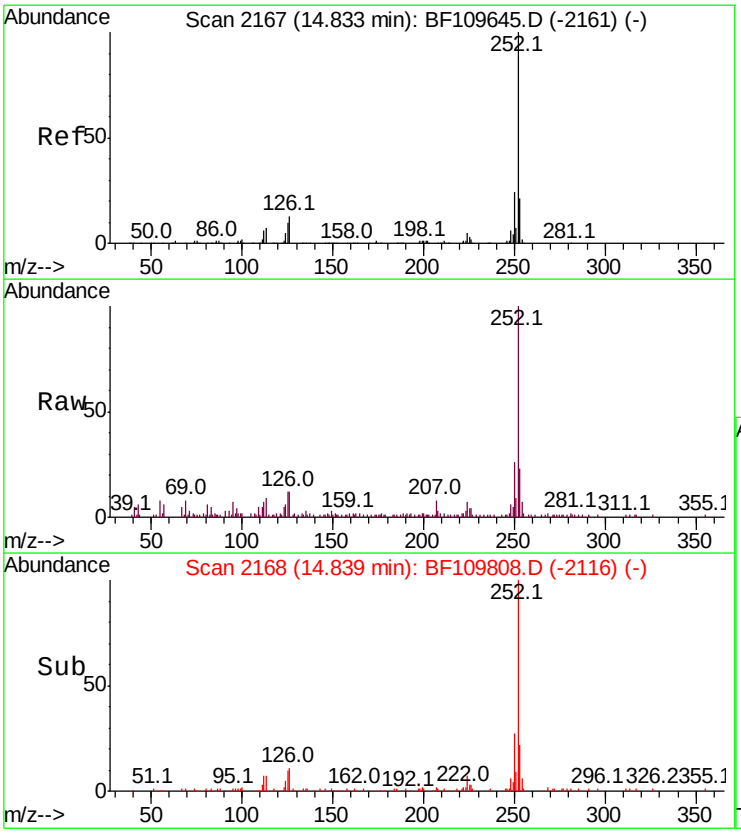
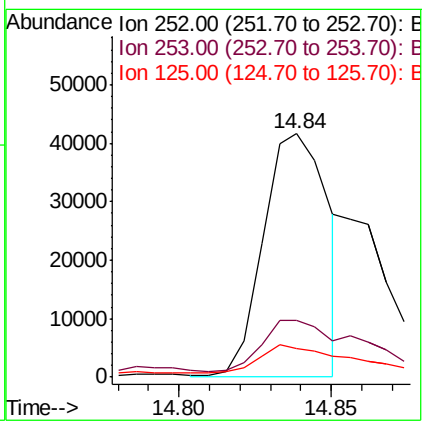
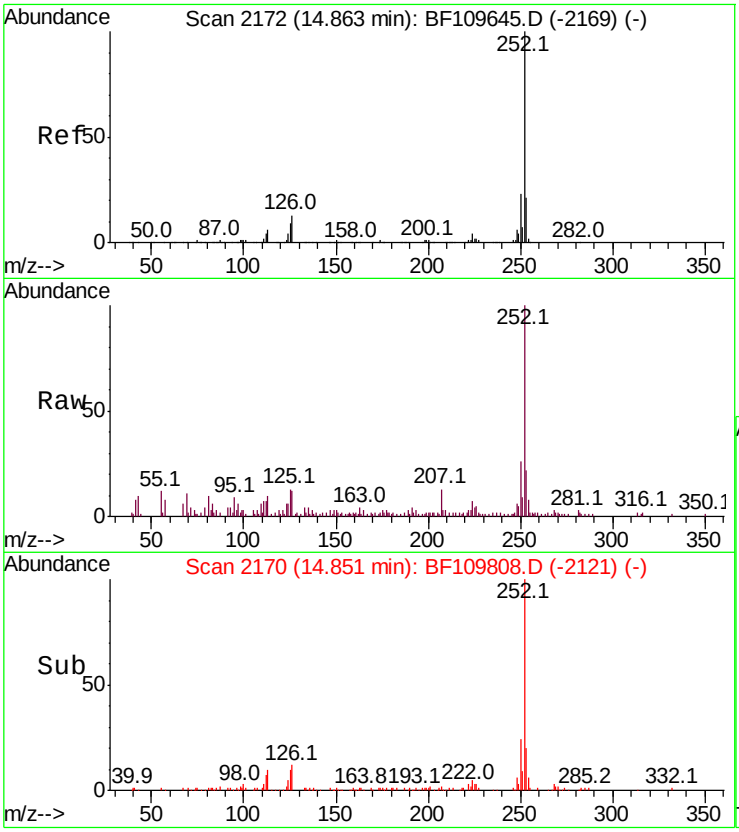


#87
Benzo(b)fluoranthene
Concen: 7.564 ng m
RT: 14.84 min Scan# 2168
Delta R.T. 0.01 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion:252 Resp: 62467

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	11.8	8.2	12.4

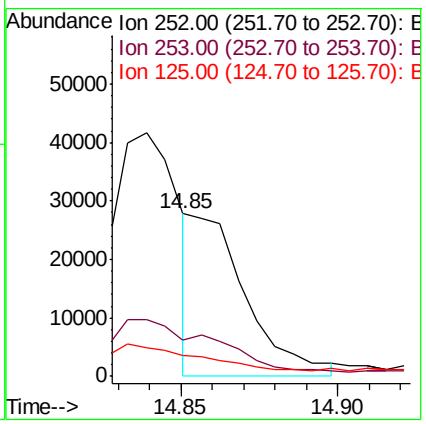




#88
Benzo(k)fluoranthene
Concen: 3.924 ng m
RT: 14.85 min Scan# 2170
Delta R.T. -0.01 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion:252 Resp: 32559

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	12.7	7.4	11.0#



Instrument :
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ClientSampleId :
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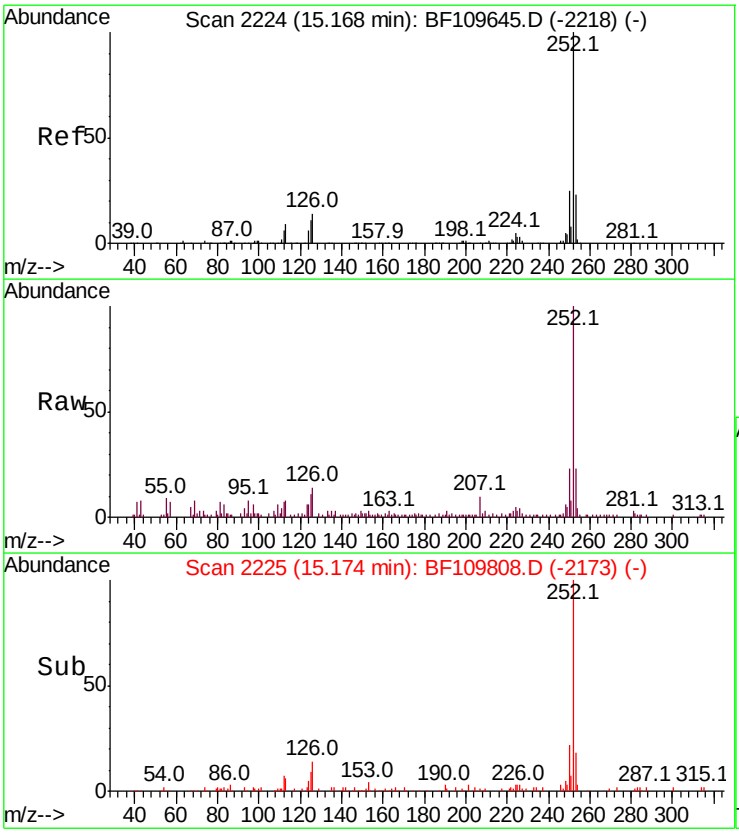
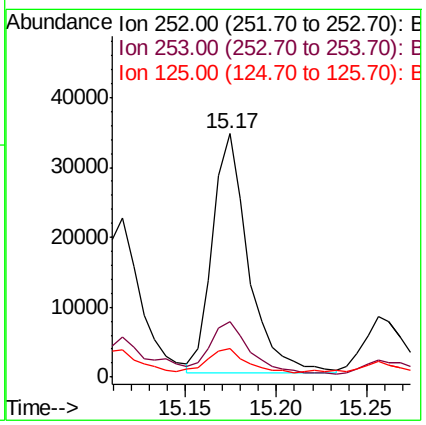
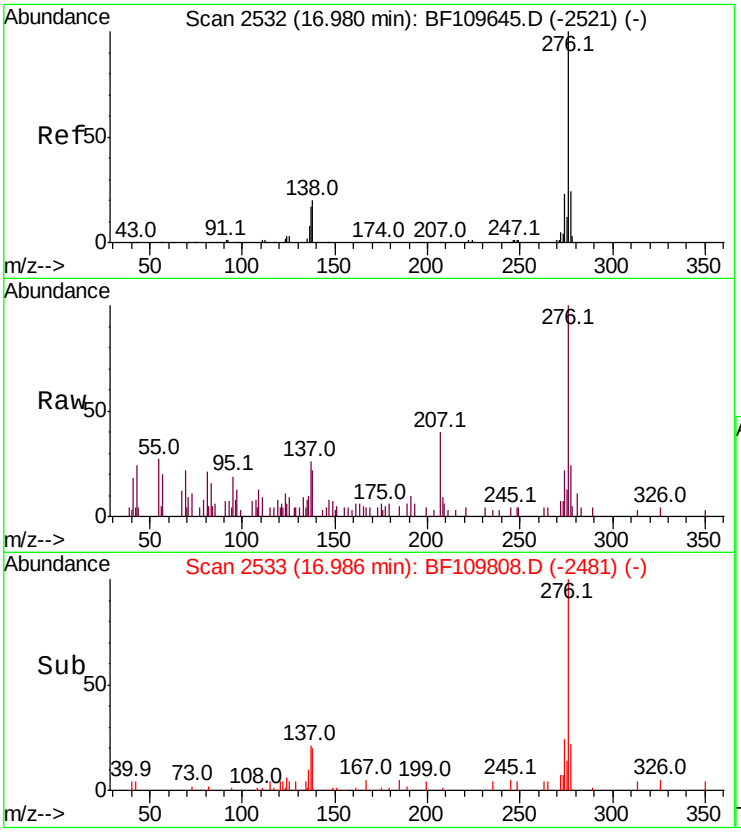


#89
Benzo(a)pyrene
Concen: 6.307 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion:252 Resp: 47266

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	11.5	9.0	13.6

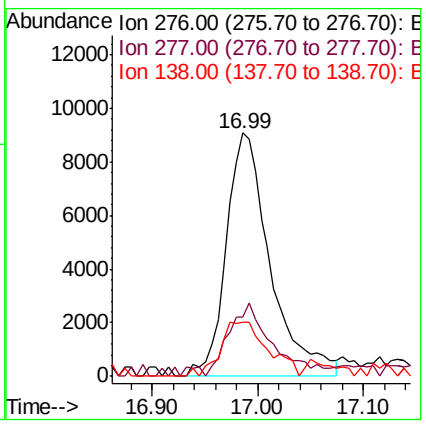




#91
Benzo(g,h,i)perylene
Concen: 4.260 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.01 min
Lab File: BF109808.D
Acq: 12 Oct 2018 1:17

Tgt Ion:276 Resp: 26182

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.8	28.2
138	22.3	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
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Manual Integrations APPROVED
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