Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
Data File : BF109302.D
Acq On : 25 Sep 2018 22:34
Operator : JU/SJ
Sample : J5046-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S1

Manual Integrations APPROVED
Sohil
9/26/2018 3:42:53 PM

Quant Time: Sep 26 10:28:02 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 22 13:32:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	141595	20.00	ng		0.00
21) Naphthalene-d8	7.99	136	537628	20.00	ng		0.00
38) Acenaphthene-d10	9.74	164	228107	20.00	ng		0.00
63) Phenanthrene-d10	11.22	188	375426	20.00	ng		0.00
75) Chrysene-d12	13.84	240	320742	20.00	ng		0.00
86) Perylene-d12	15.24	264	233944	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.31	112	249772	29.05	ng		0.00
7) Phenol-d6	6.34	99	326077	29.73	ng		-0.02
23) Nitrobenzene-d5	7.26	82	189335	20.79	ng		-0.02
41) 2,4,6-Tribromophenol	10.52	330	58614	26.07	ng		-0.01
44) 2-Fluorobiphenyl	9.06	172	266257	17.60	ng		-0.01
78) Terphenyl-d14	12.80	244	202687	15.51	ng		0.00
Target Compounds							Qvalue
48) Acenaphthylene	9.60	152	58106	2.594	ng		98
49) Dimethylphthalate	9.46	163	92580	5.580	ng	#	99
70) Phenanthrene	11.24	178	239433	12.773	ng		98
74) Fluoranthene	12.42	202	189261	9.448	ng		96
77) Pyrene	12.65	202	276542	12.030	ng		99
80) Benzo(a)anthracene	13.83	228	96451m	4.992	ng		
82) Chrysene	13.87	228	123975	6.474	ng		97
87) Benzo(b)fluoranthene	14.85	252	78551m	6.111	ng		
89) Benzo(a)pyrene	15.19	252	58203	5.025	ng		99
91) Benzo(g,h,i)perylene	17.00	276	34260	3.668	ng	#	92

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

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Misc :
ALS Vial : 22 Sample Multiplier: 1

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Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
S1

Manual Integrations APPROVED
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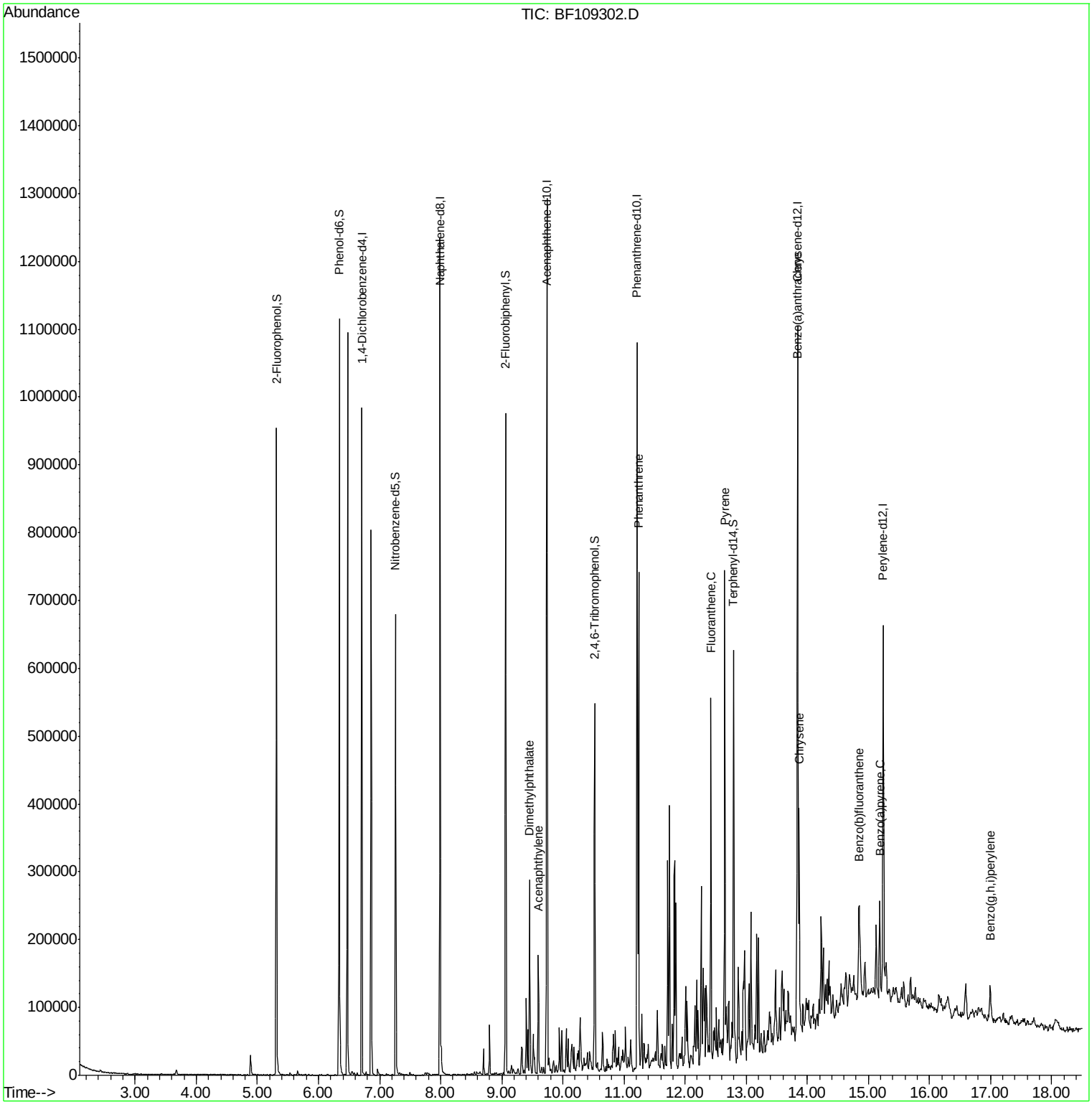
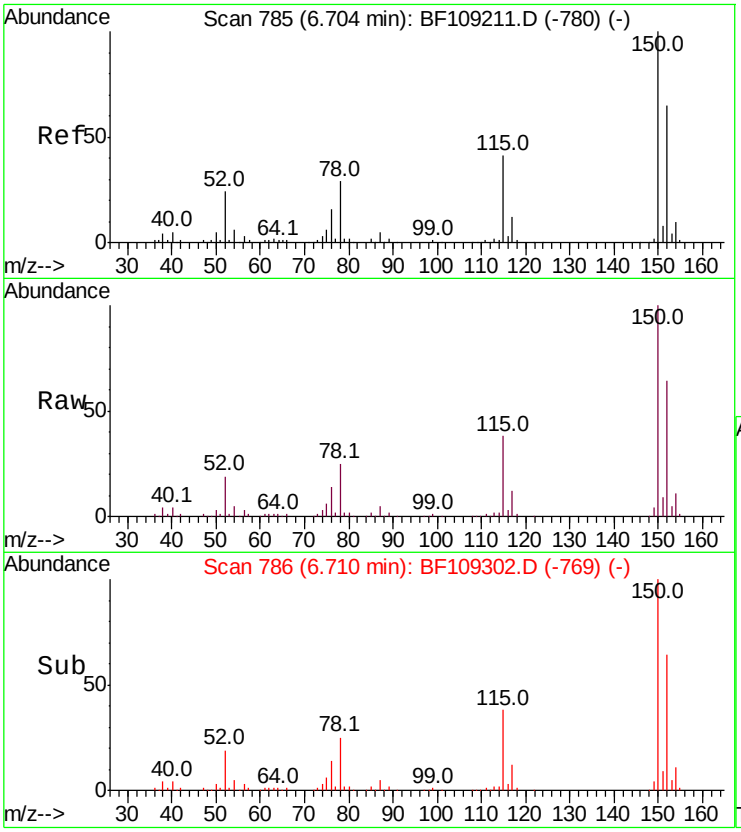
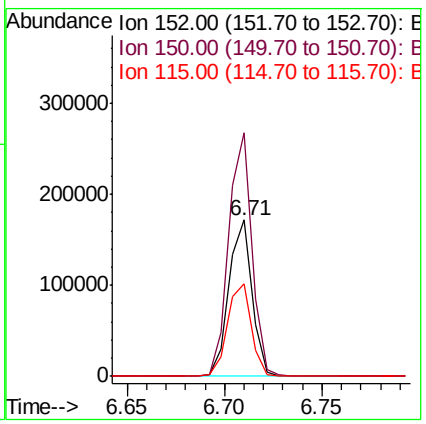




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion:152 Resp: 141595

Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.6	186.8
115	59.3	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
S1

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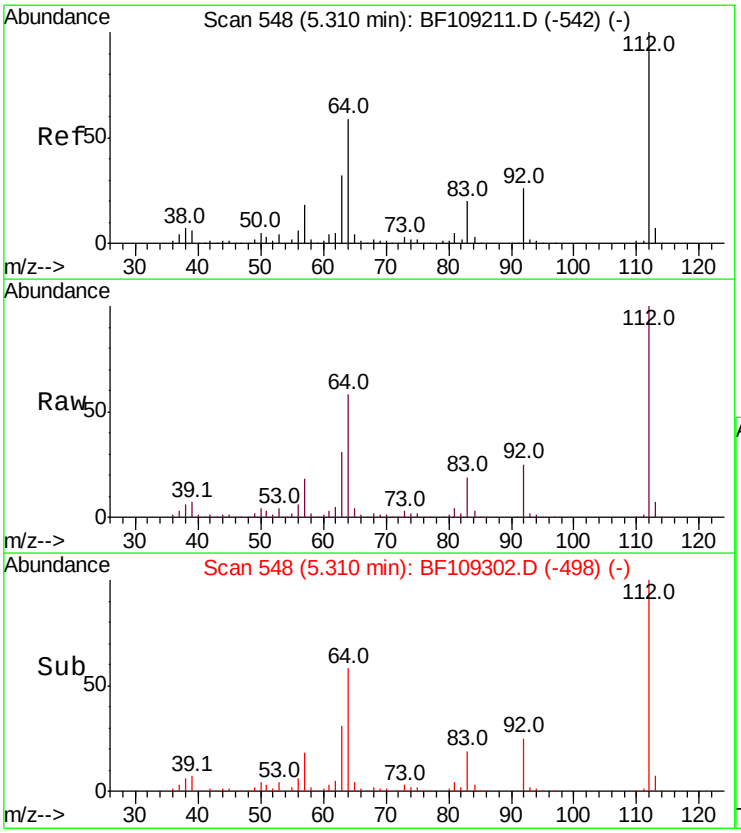
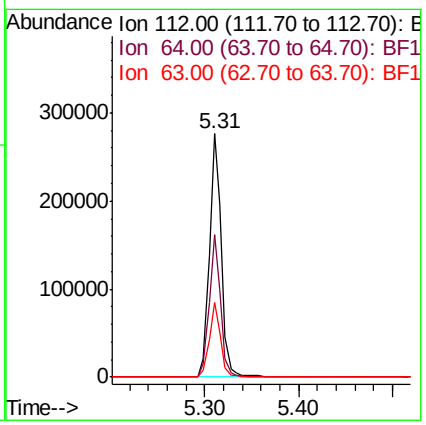
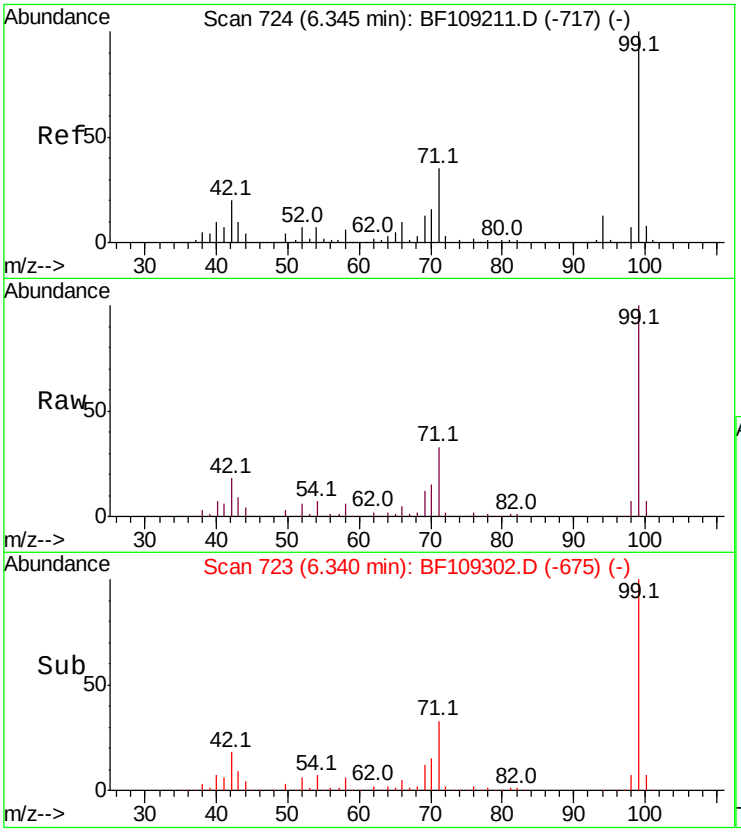


#5
2-Fluorophenol
Concen: 29.054 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion:112 Resp: 249772

Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.9	71.9
63	30.5	23.7	35.5

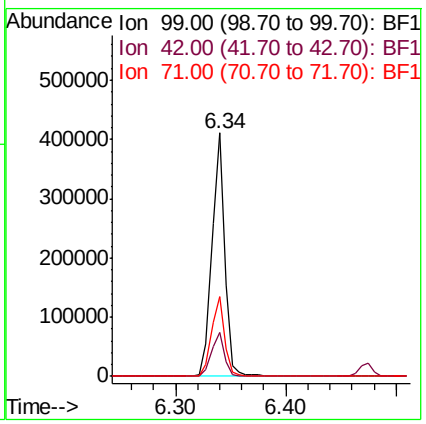




#7
Phenol-d6
Concen: 29.725 ng
RT: 6.34 min Scan# 723
Delta R.T. -0.02 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion: 99 Resp: 326077

Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.5	21.7
71	32.7	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
S1

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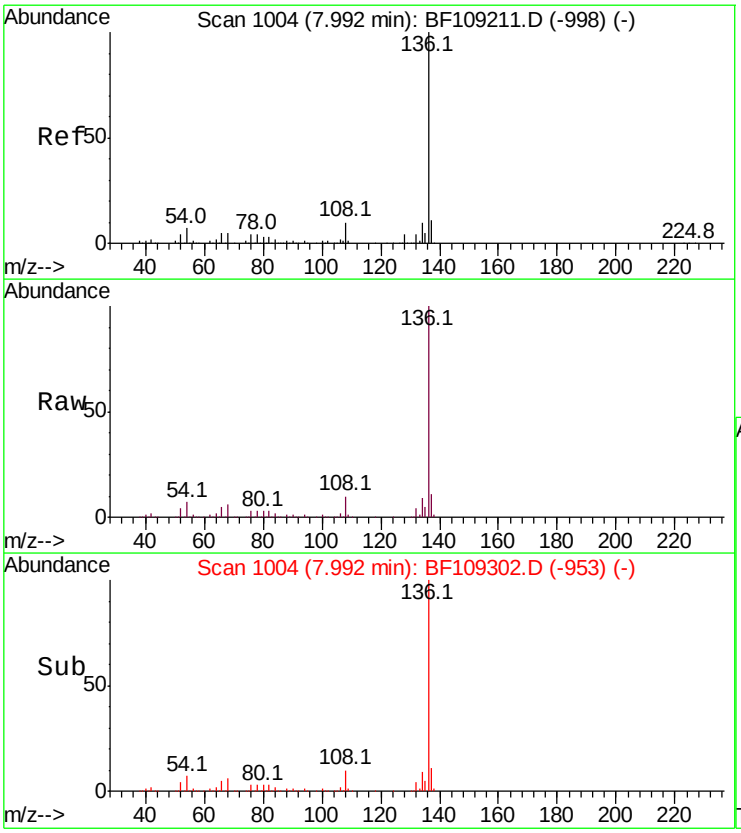
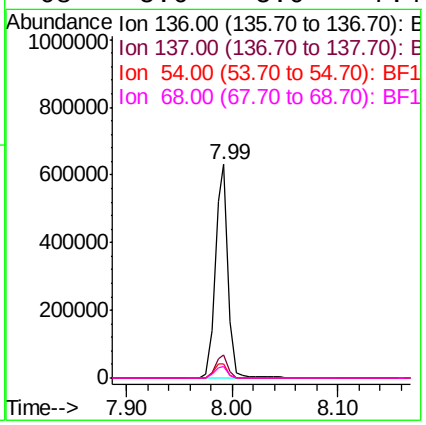
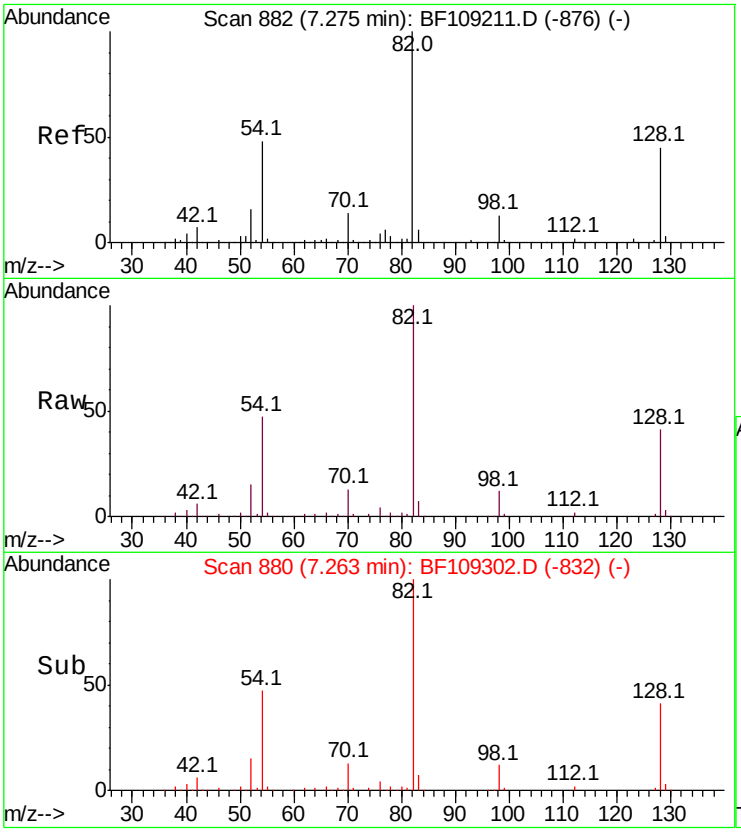


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion:136 Resp: 537628

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	6.8	6.6	9.8
68	5.6	5.0	7.4

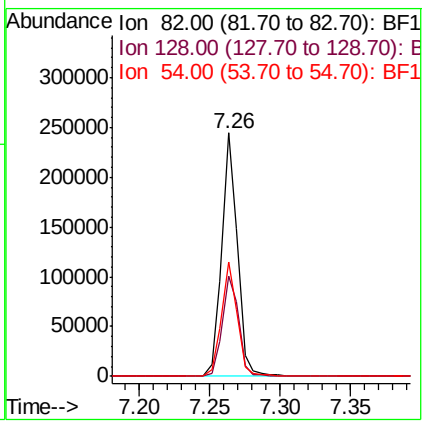




#23
Nitrobenzene-d5
Concen: 20.789 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion: 82 Resp: 189335

Ion	Ratio	Lower	Upper
82	100		
128	41.4	36.1	54.1
54	47.0	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
S1

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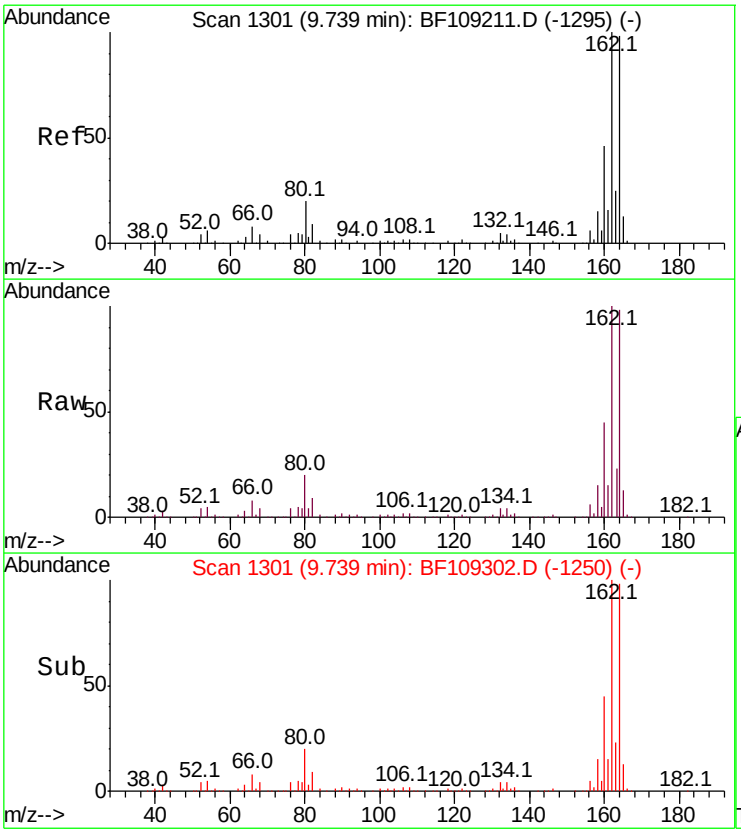
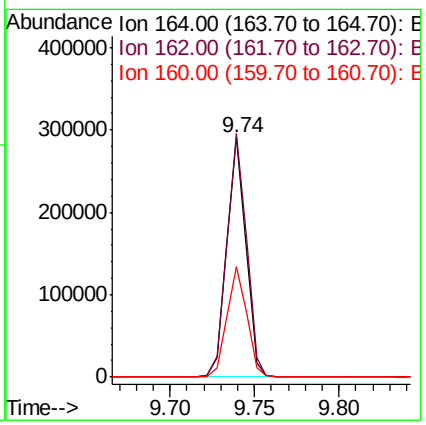
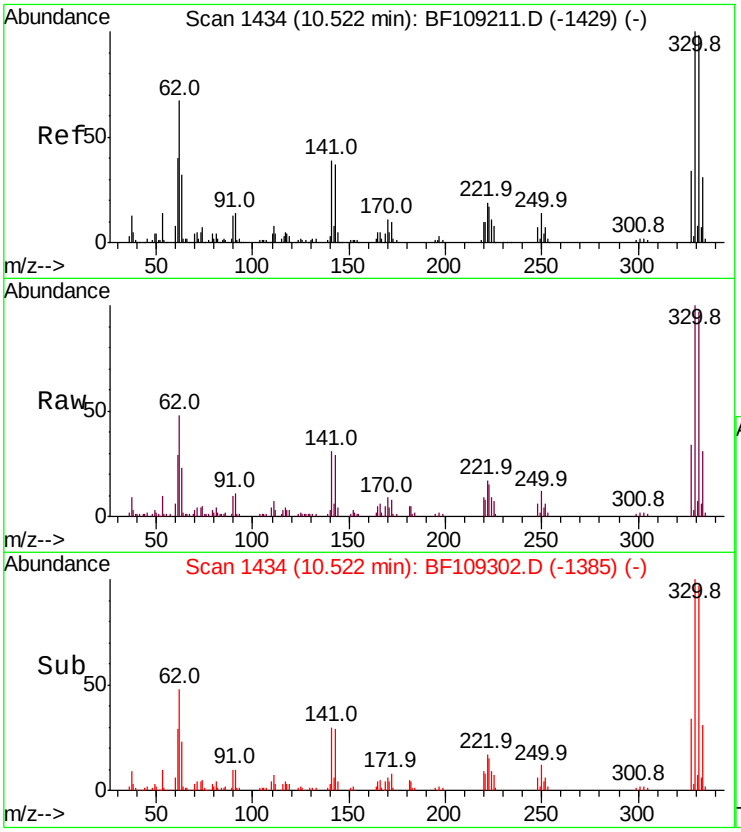


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion:164 Resp: 228107

Ion	Ratio	Lower	Upper
164	100		
162	101.7	86.1	129.1
160	46.1	38.3	57.5





#41
2,4,6-Tribromophenol
Concen: 26.066 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion:330 Resp: 58614

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	31.4	29.9	44.9

Instrument :
BNA_F
ClientSampleId :
S1

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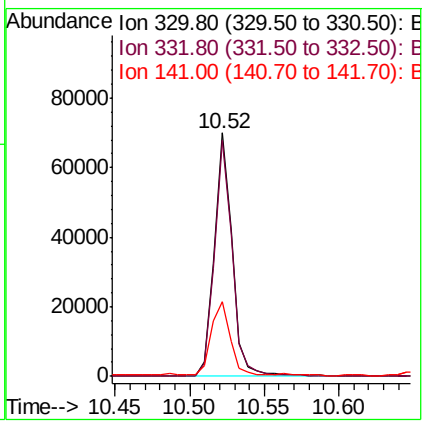
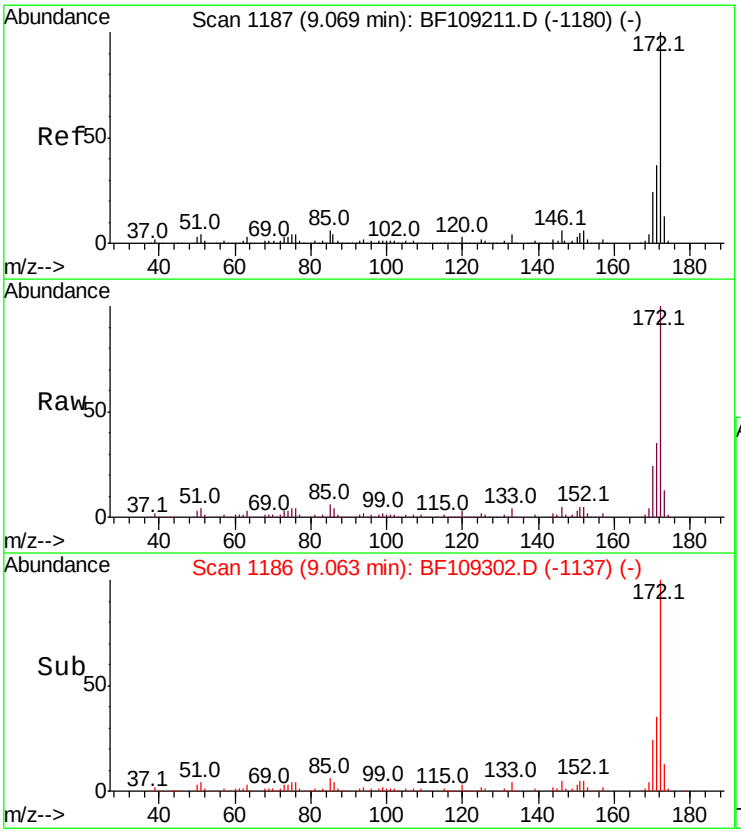
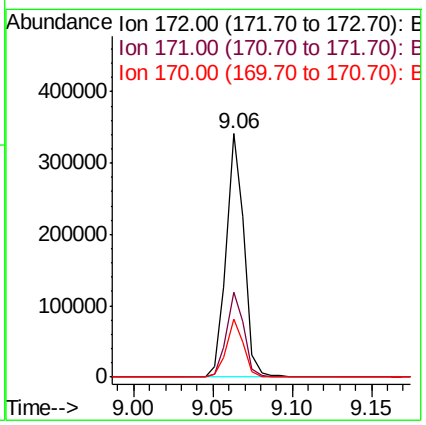


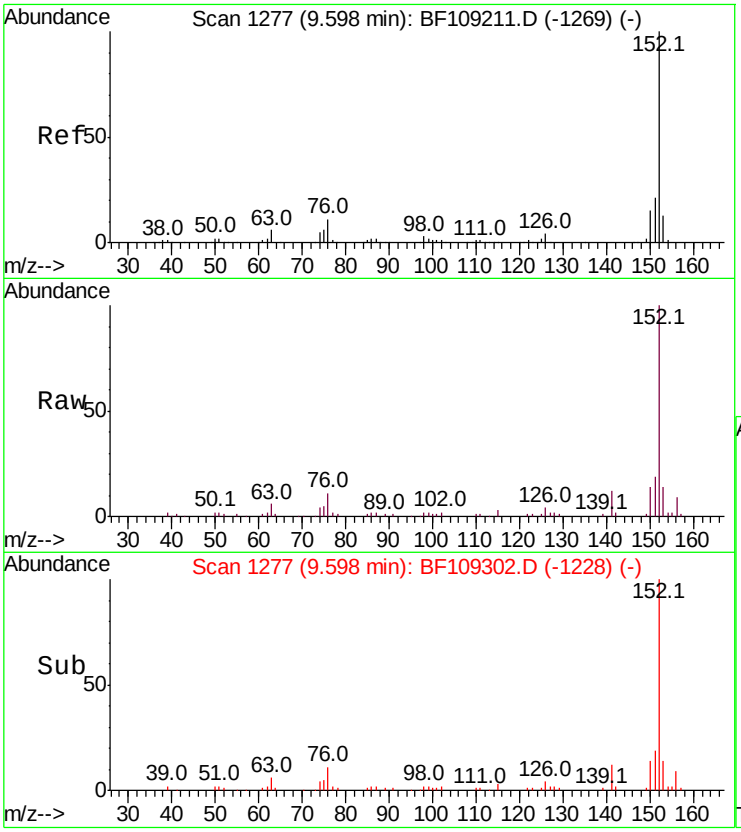


#44
2-Fluorobiphenyl
Concen: 17.604 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion:172 Resp: 266257

Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	23.7	19.6	29.4

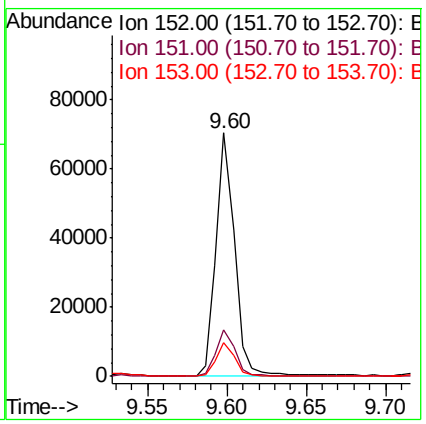




#48
Acenaphthylene
Concen: 2.594 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion:152 Resp: 58106

Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.3	24.5
153	14.1	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
S1

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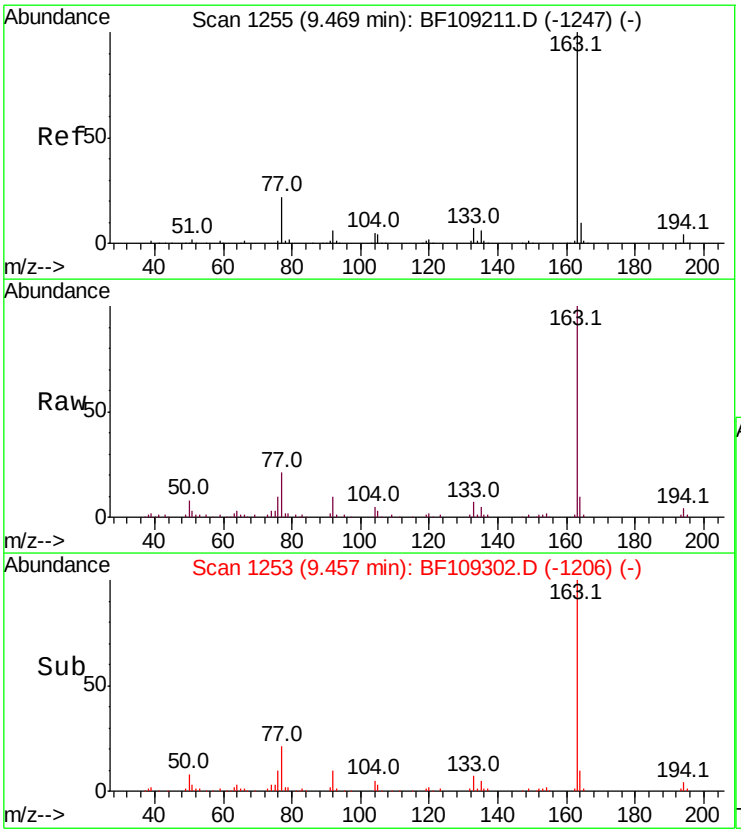
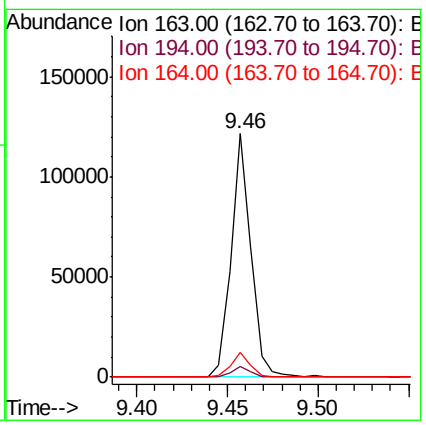
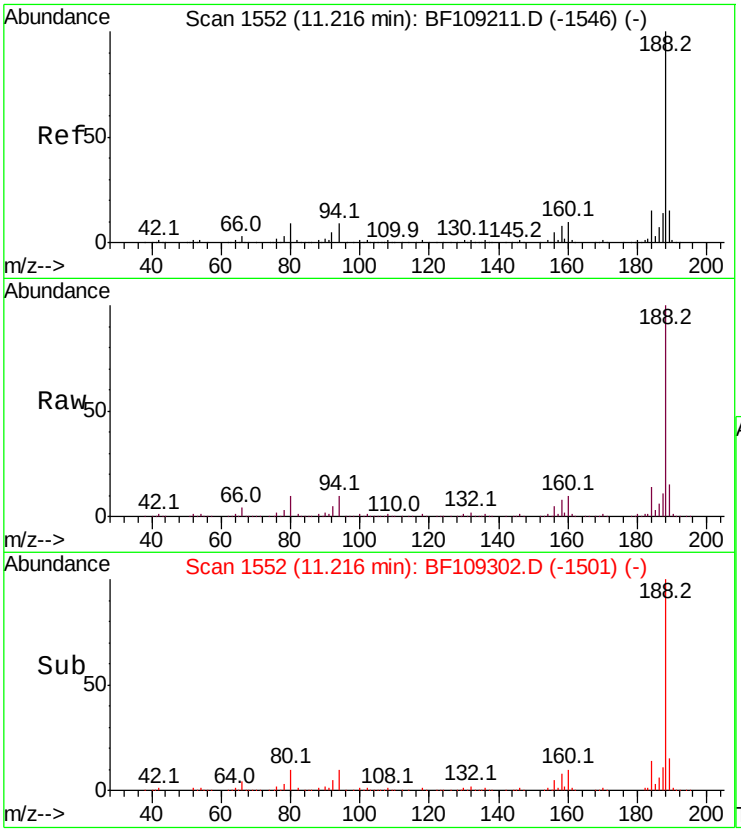


#49
Dimethylphthalate
Concen: 5.580 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion:163 Resp: 92580

Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.7	4.1#
164	10.3	8.2	12.2

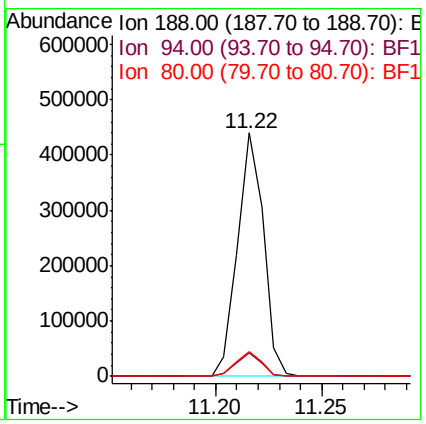




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion:188 Resp: 375426

Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.1	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
S1

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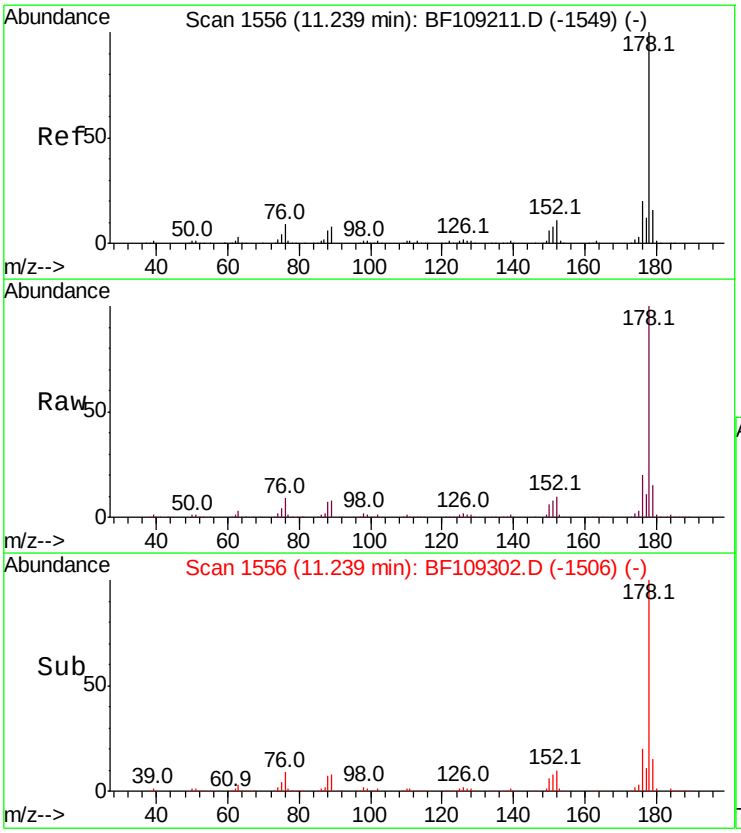
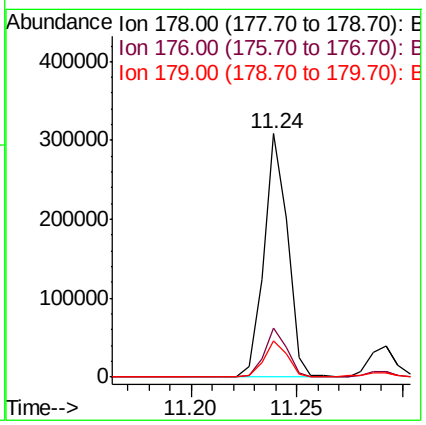
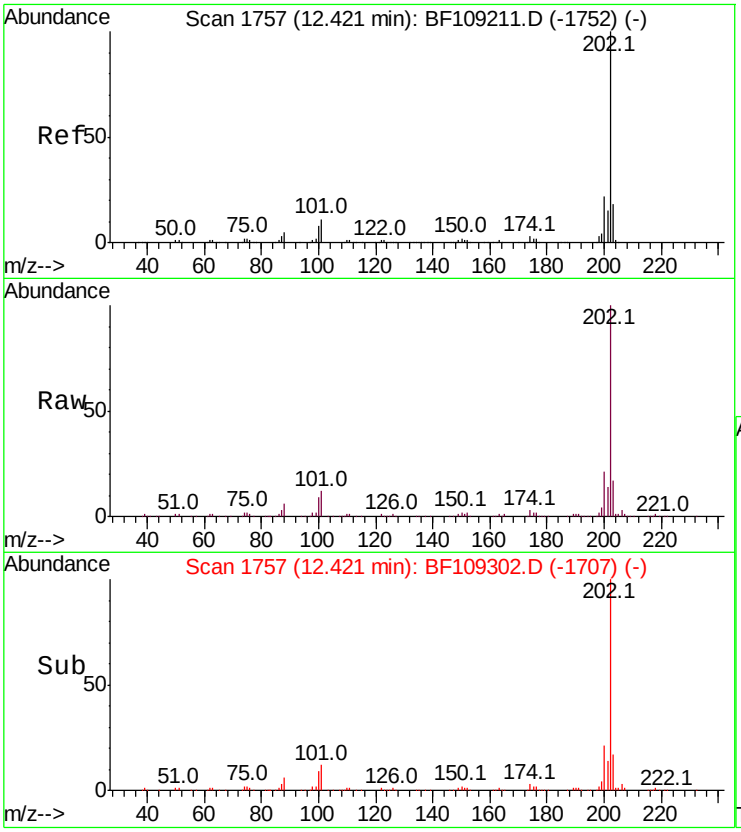


#70
Phenanthrene
Concen: 12.773 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion:178 Resp: 239433

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	15.1	13.0	19.6

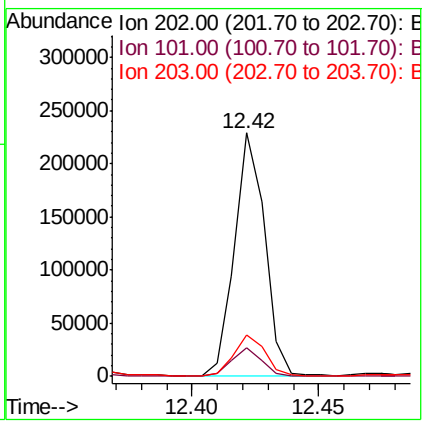




#74
Fluoranthene
Concen: 9.448 ng
RT: 12.42 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion:202 Resp: 189261

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	34.1
203	17.1	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
S1

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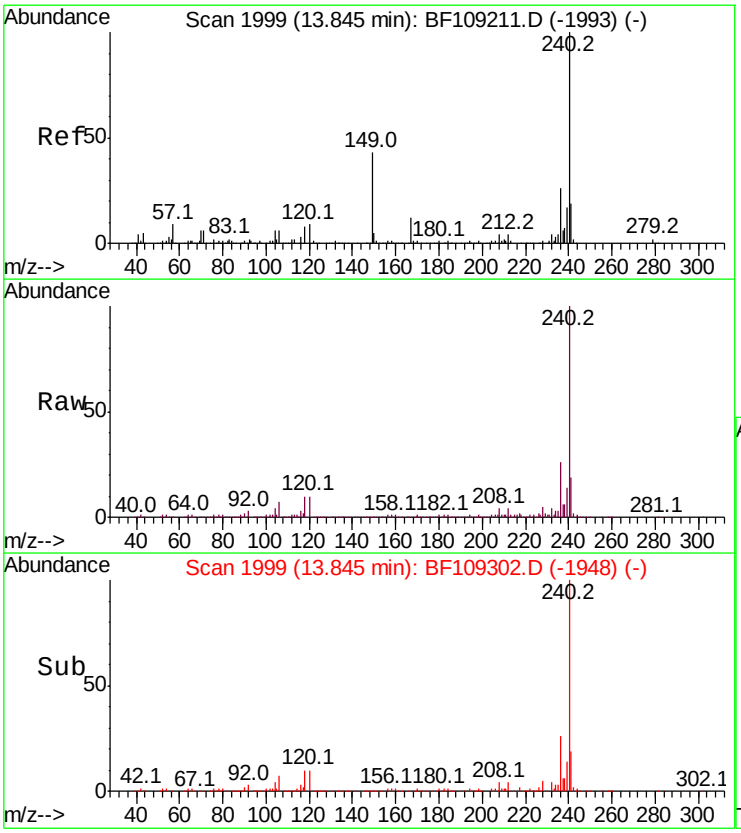
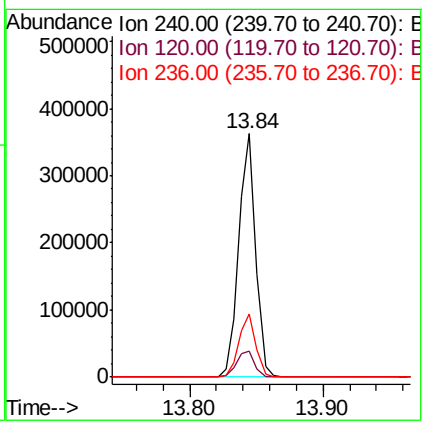
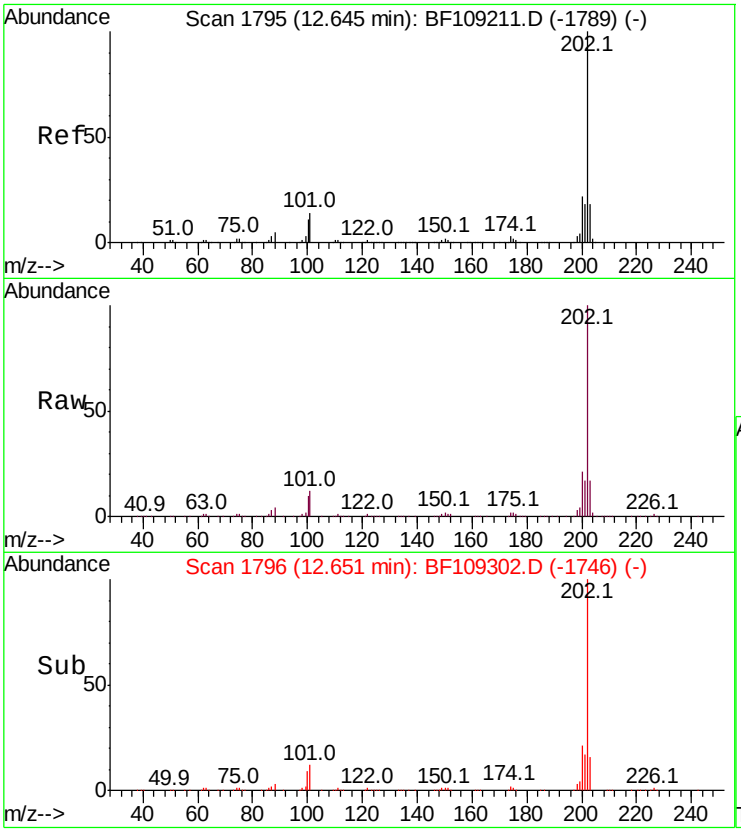


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1999
Delta R.T. 0.00 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion:240 Resp: 320742

Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.5	14.3
236	25.8	20.7	31.1

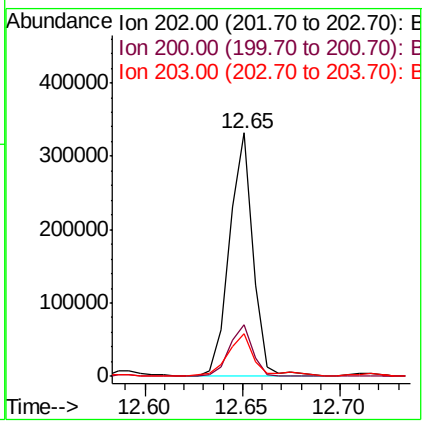




#77
Pyrene
Concen: 12.030 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.01 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion:202 Resp: 276542

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.4	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
S1

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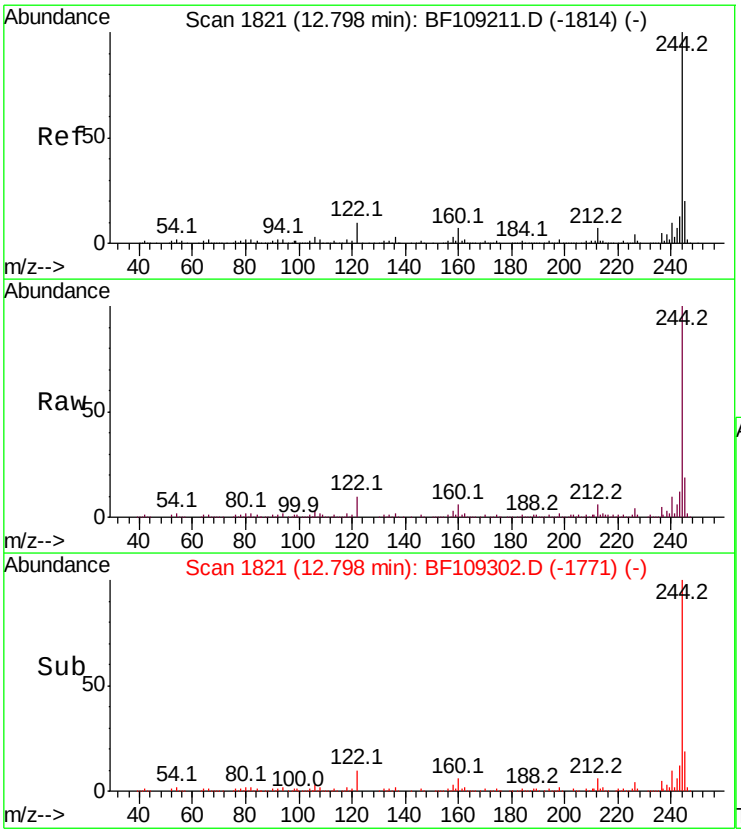
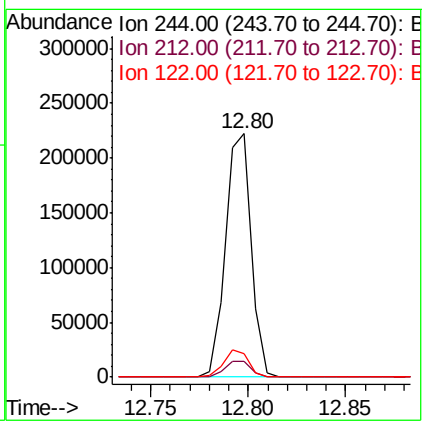
9/26/2018 3:42:53 PM

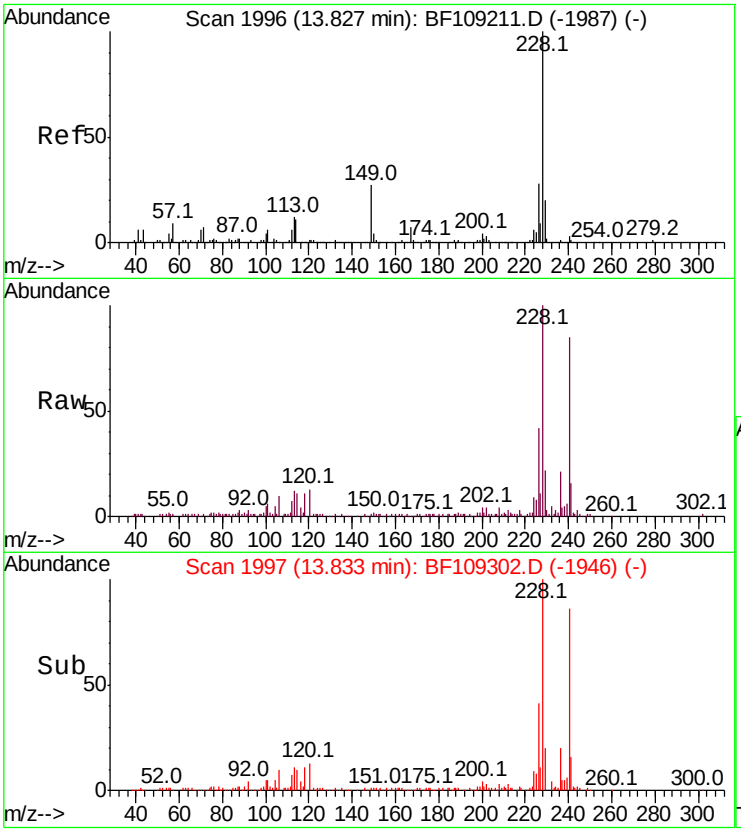


#78
Terphenyl-d14
Concen: 15.509 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion:244 Resp: 202687

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	9.8	11.0	16.4#

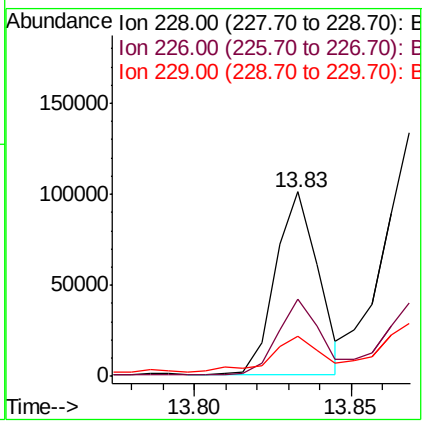




#80
Benzo(a)anthracene
Concen: 4.992 ng m
RT: 13.83 min Scan# 1997
Delta R.T. 0.00 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion:228 Resp: 96451

Ion	Ratio	Lower	Upper
228	100		
226	41.6	22.6	33.8#
229	21.8	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
S1

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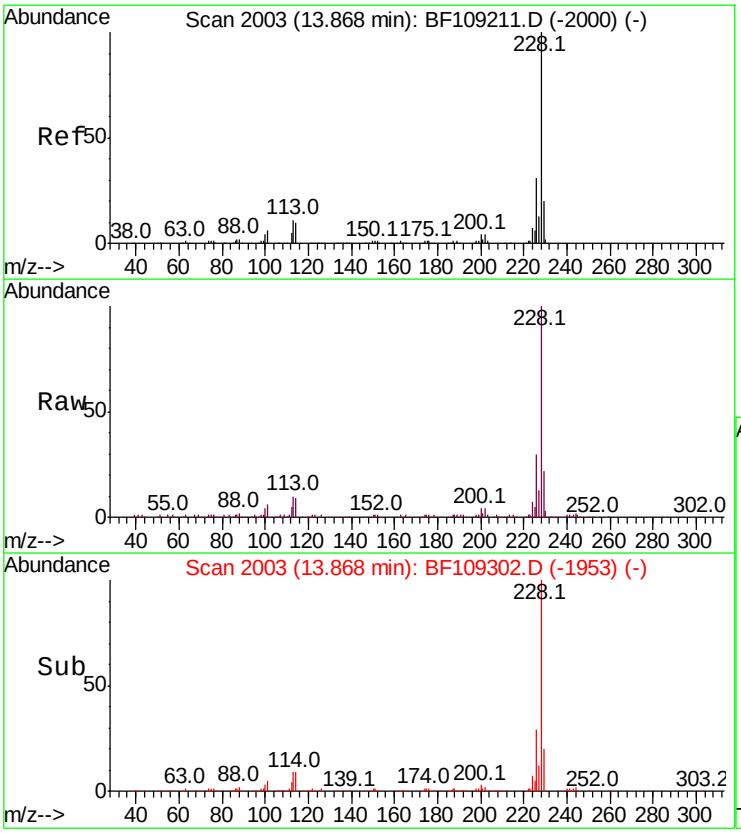
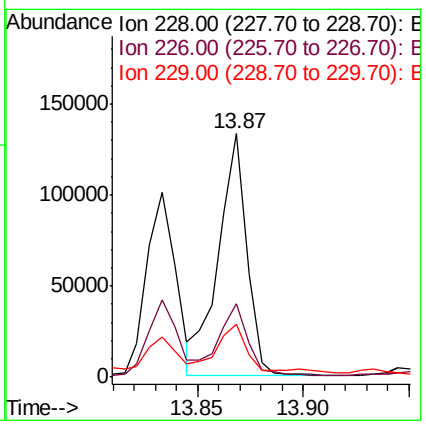
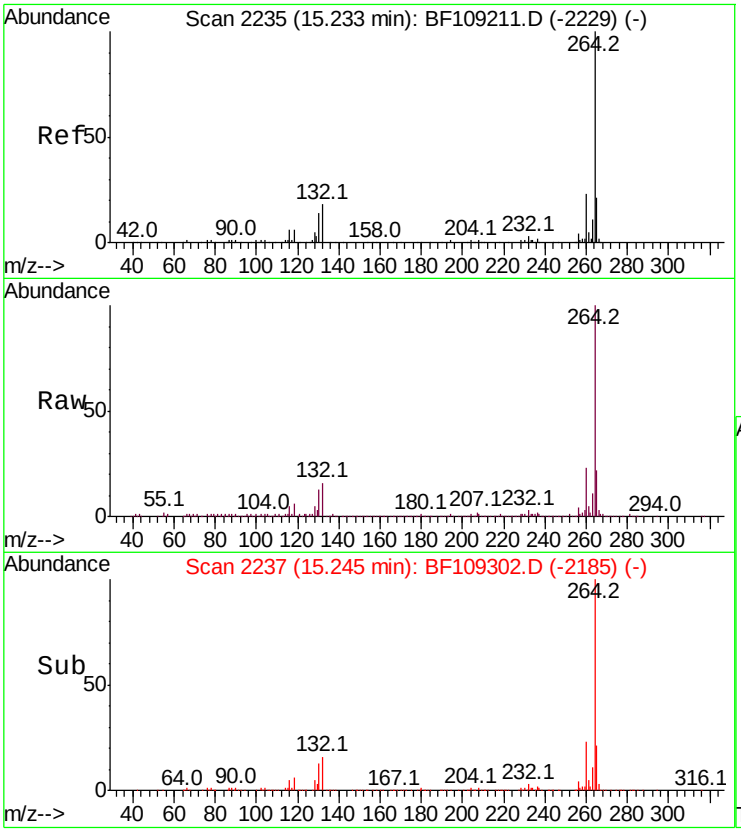


#82
Chrysene
Concen: 6.474 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion:228 Resp: 123975

Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	21.6	16.2	24.4

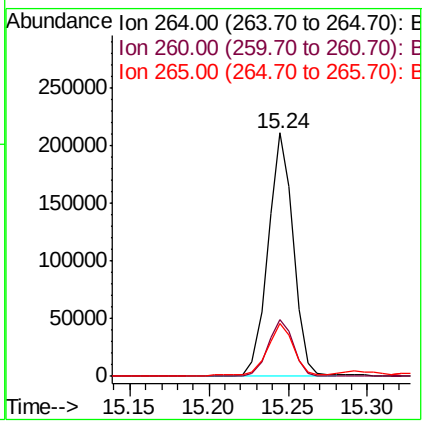




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

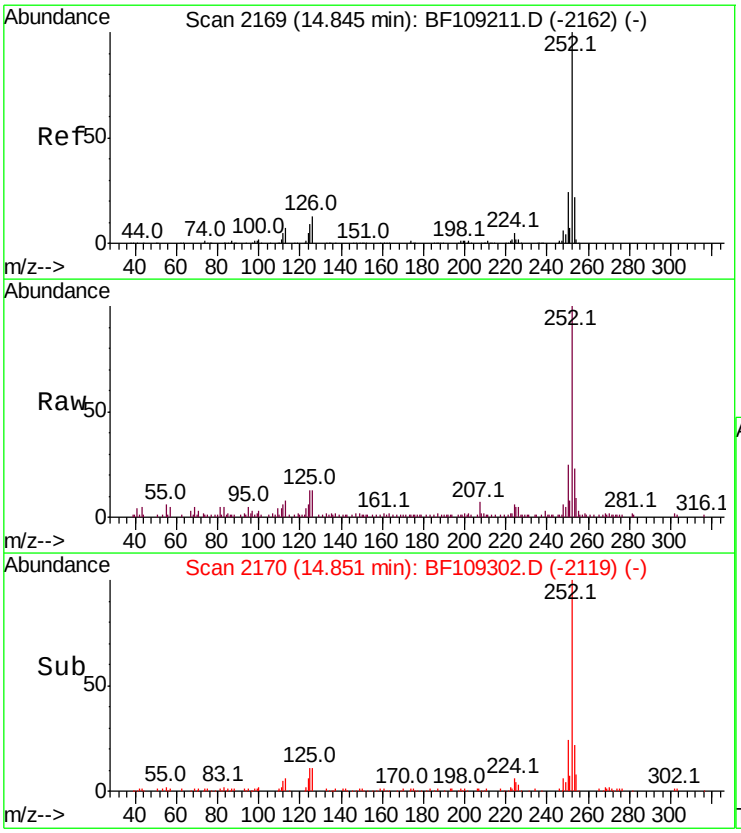
Tgt Ion:264 Resp: 233944

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.6	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
S1

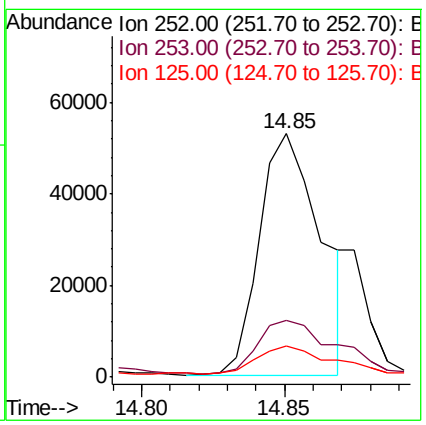
Manual Integrations APPROVED
Sohil
9/26/2018 3:42:53 PM

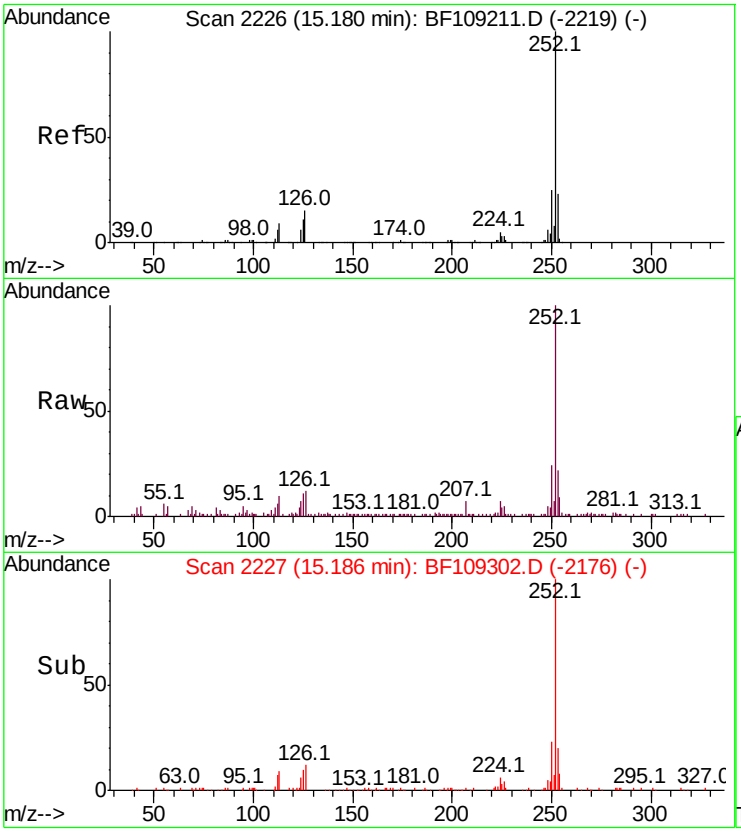


#87
Benzo(b)fluoranthene
Concen: 6.111 ng m
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion:252 Resp: 78551

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	12.8	9.0	13.6

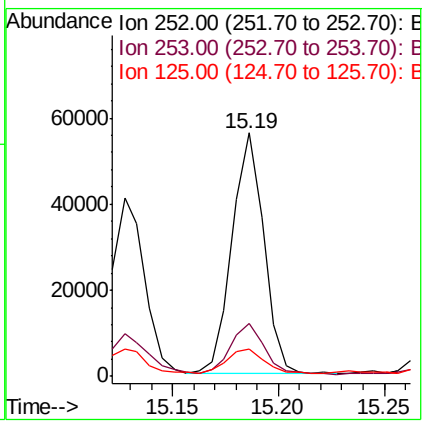




#89
Benzo(a)pyrene
Concen: 5.025 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

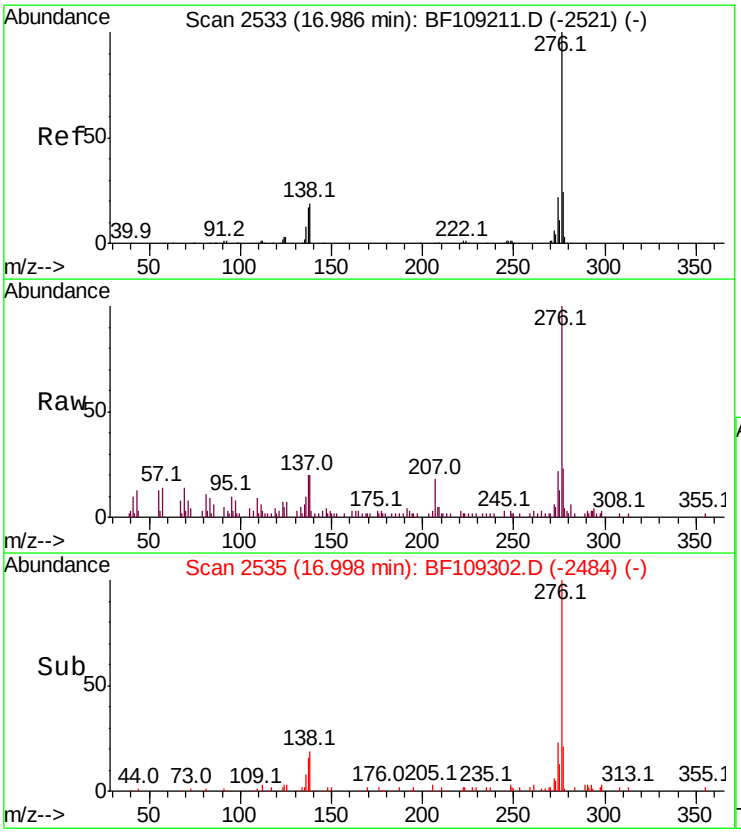
Tgt Ion:252 Resp: 58203

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	11.4	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
S1

Manual Integrations APPROVED
Sohil
9/26/2018 3:42:53 PM



#91
Benzo(g,h,i)perylene
Concen: 3.668 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.00 min
Lab File: BF109302.D
Acq: 25 Sep 2018 22:34

Tgt Ion:276 Resp: 34260

Ion	Ratio	Lower	Upper
276	100		
277	22.8	17.9	26.9
138	20.3	21.8	32.8#