Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
Data File : BF101665.D
Acq On : 22 Dec 2017 20:36
Operator : SJ/JU
Sample : I7022-03 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-11938

Manual Integrations APPROVED
Sohil
12/26/2017 1:37:28 PM

Quant Time: Dec 22 23:52:00 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 16:07:58 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	138806	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	539071	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	222233	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	369851	20.00	ng	0.00
75) Chrysene-d12	13.96	240	283797	20.00	ng	0.00
86) Perylene-d12	15.43	264	298271	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	155410	16.68	ng	0.01
7) Phenol-d6	6.43	99	196904	16.98	ng	0.00
23) Nitrobenzene-d5	7.36	82	119162	12.30	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	30815	14.39	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	195910	13.68	ng	0.00
78) Terphenyl-d14	12.89	244	132524	11.26	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	11.34	178	47475	2.308	ng	97
74) Fluoranthene	12.53	202	90906	4.211	ng	97
77) Pyrene	12.76	202	83216	3.907	ng	99
80) Benzo(a)anthracene	13.95	228	50287	2.683	ng	97
82) Chrysene	13.99	228	44387	2.509	ng	97
87) Benzo(b)fluoranthene	15.00	252	60740m	3.341	ng	
89) Benzo(a)pyrene	15.37	252	46013	2.745	ng	# 97
91) Benzo(g,h,i)perylene	17.36	276	29203	2.050	ng	96

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

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ClientSampleId :
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Manual Integrations APPROVED
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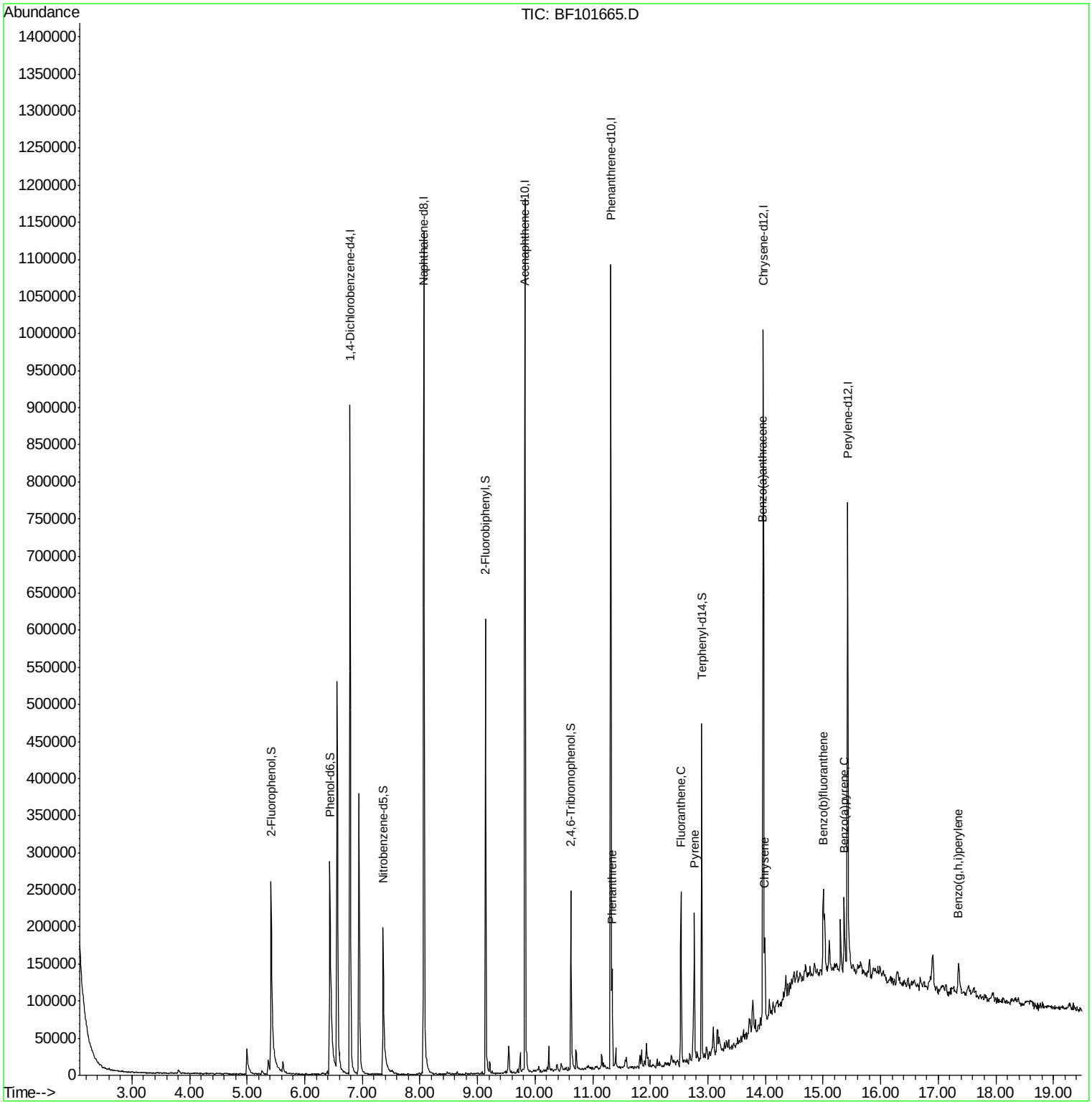
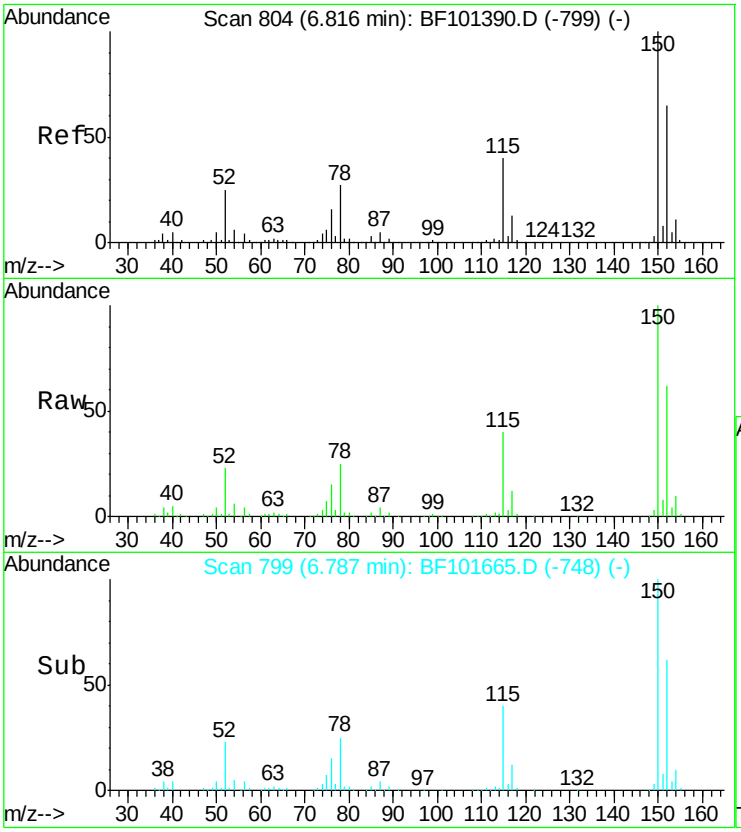
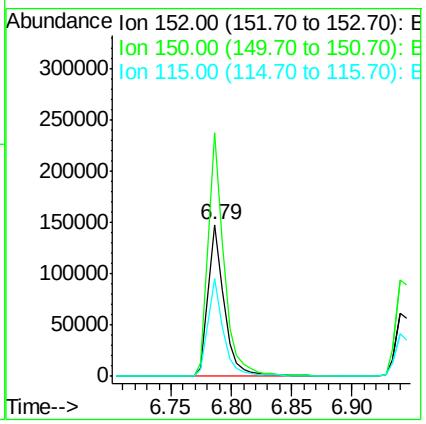




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:152 Resp: 138806

Ion	Ratio	Lower	Upper
152	100		
150	160.6	124.6	186.8
115	64.3	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
72-11938

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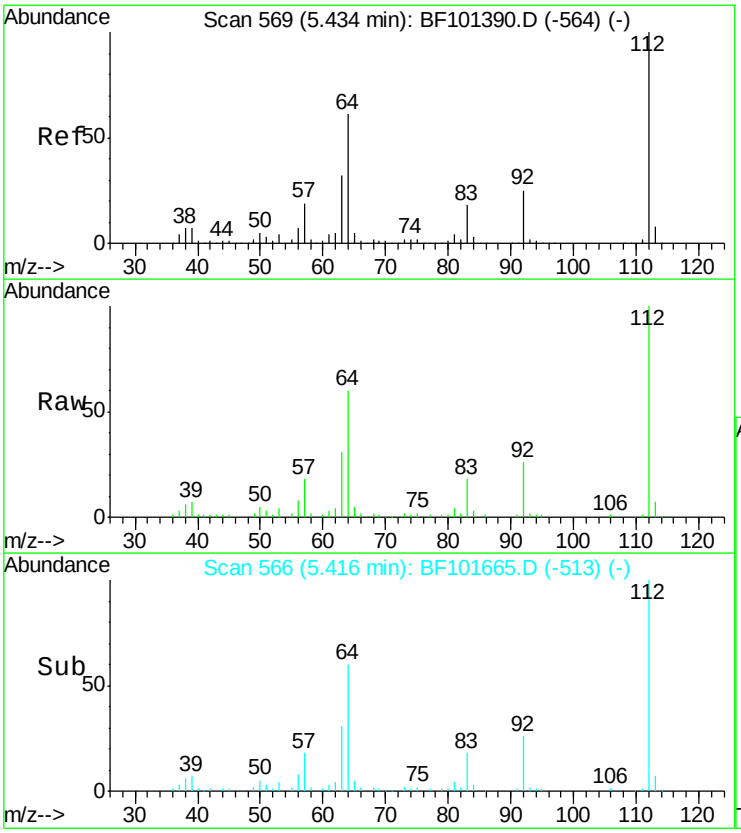
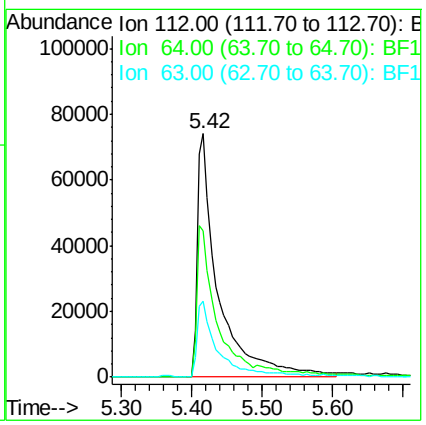
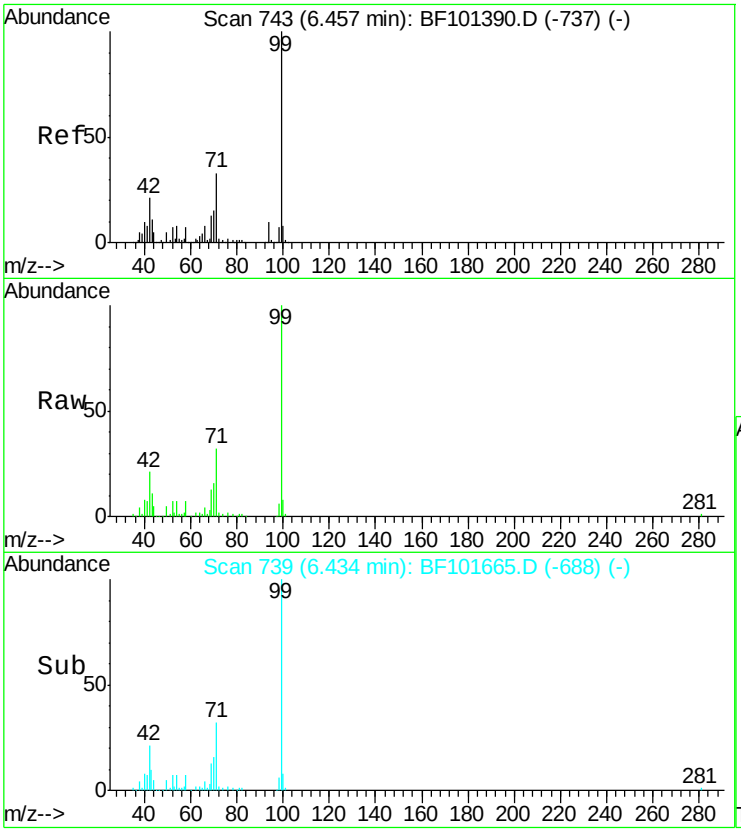


#5
2-Fluorophenol
Concen: 16.678 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:112 Resp: 155410

Ion	Ratio	Lower	Upper
112	100		
64	60.1	47.9	71.9
63	30.9	23.7	35.5

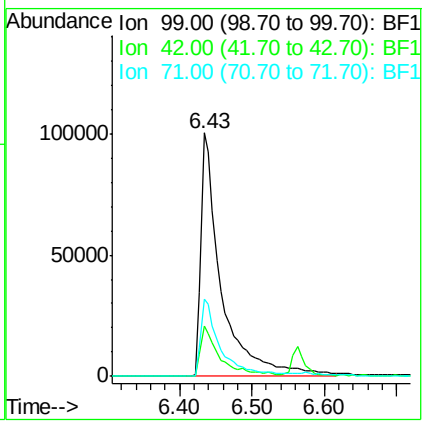




#7
Phenol-d6
Concen: 16.979 ng
RT: 6.43 min Scan# 739
Delta R.T. 0.00 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion: 99 Resp: 196904

Ion	Ratio	Lower	Upper
99	100		
42	20.9	14.5	21.7
71	32.0	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
72-11938

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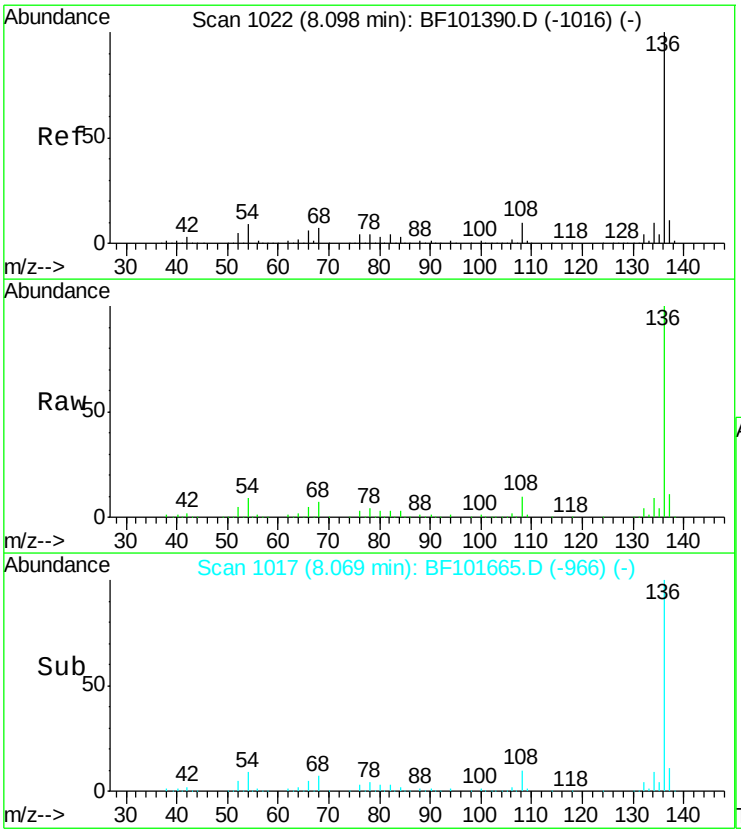
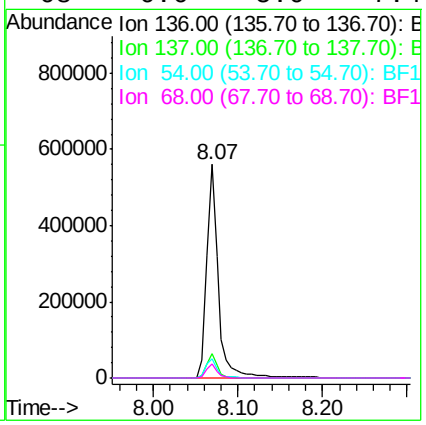
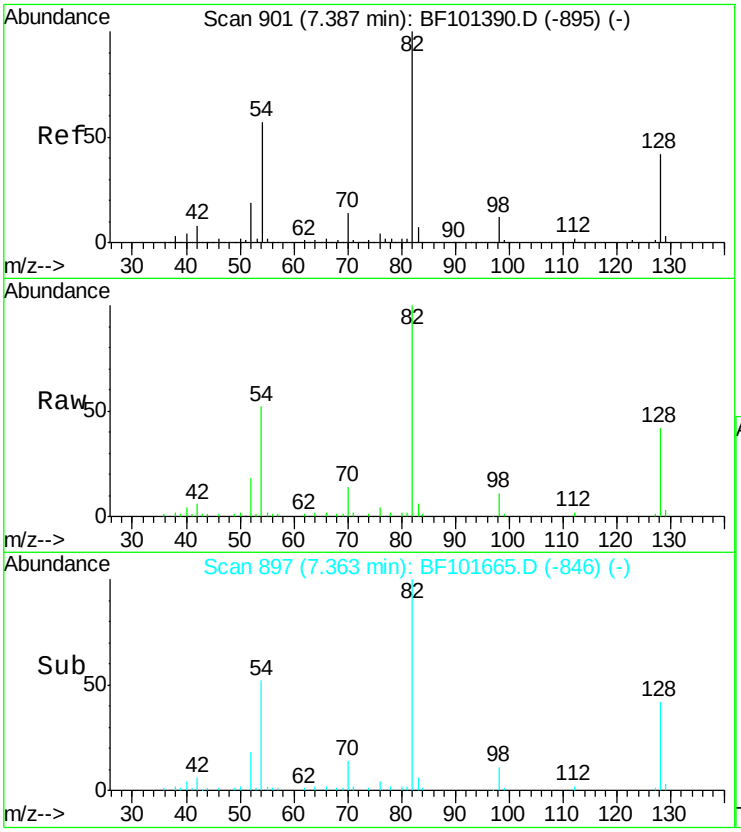


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:136 Resp: 539071

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

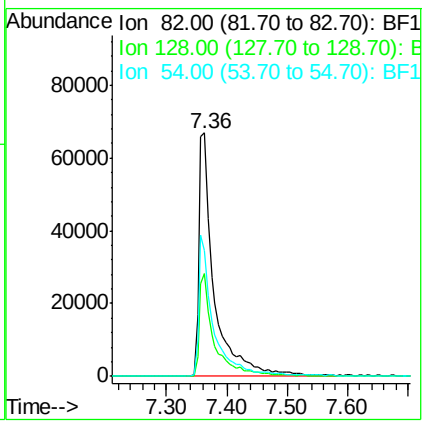




#23
Nitrobenzene-d5
Concen: 12.305 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion: 82 Resp: 119162

Ion	Ratio	Lower	Upper
82	100		
128	42.3	36.1	54.1
54	51.8	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
72-11938

Manual Integrations APPROVED
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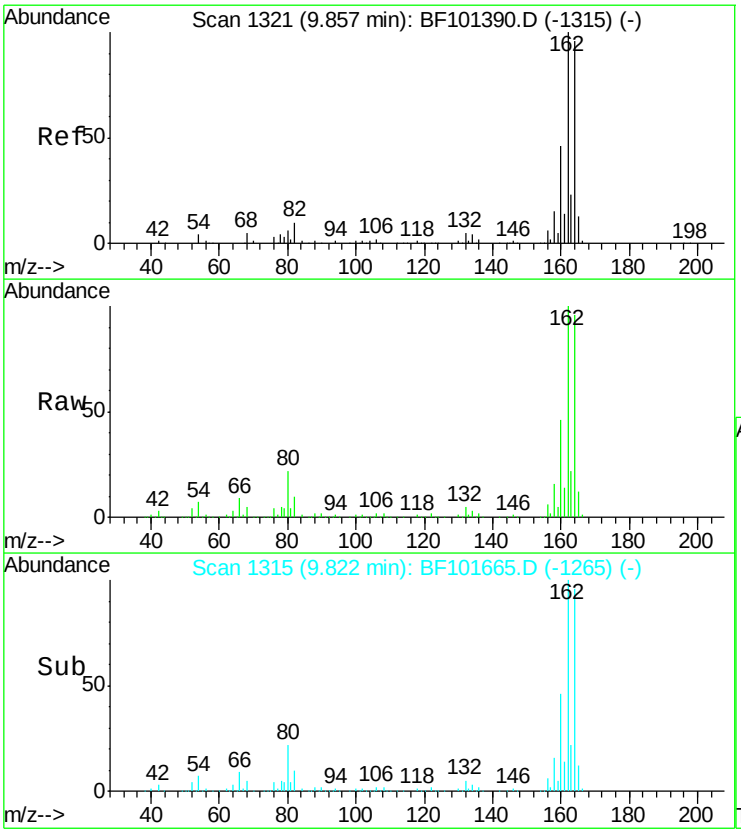
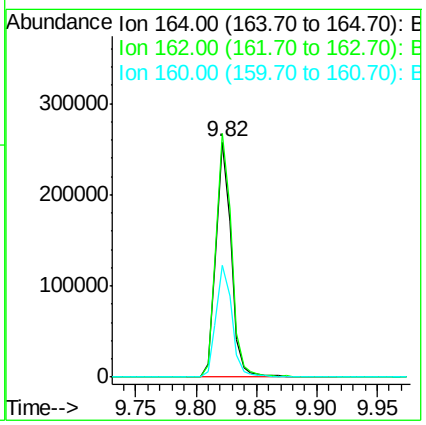
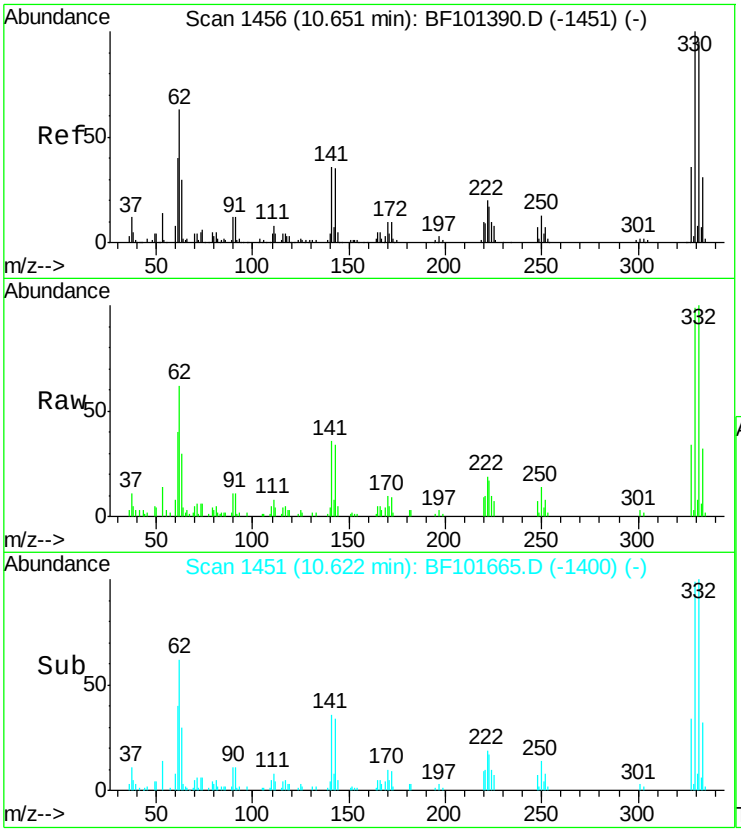


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:164 Resp: 222233

Ion	Ratio	Lower	Upper
164	100		
162	103.8	86.1	129.1
160	47.5	38.3	57.5

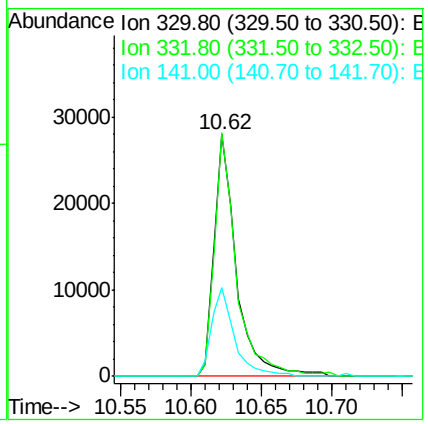




#41
2,4,6-Tribromophenol
Concen: 14.390 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:330 Resp: 30815

Ion	Ratio	Lower	Upper
330	100		
332	99.5	77.0	115.6
141	37.7	29.9	44.9



Instrument :
BNA_F
ClientSampleId :
72-11938

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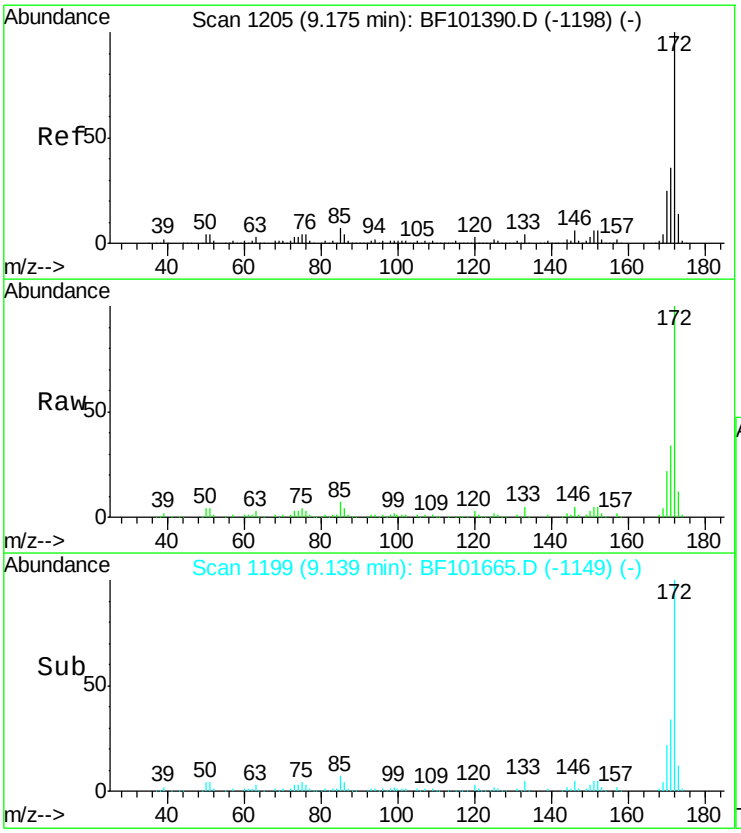
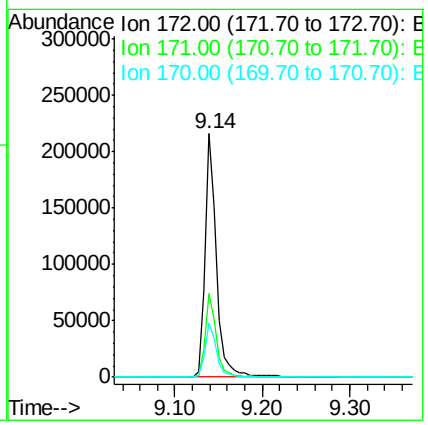
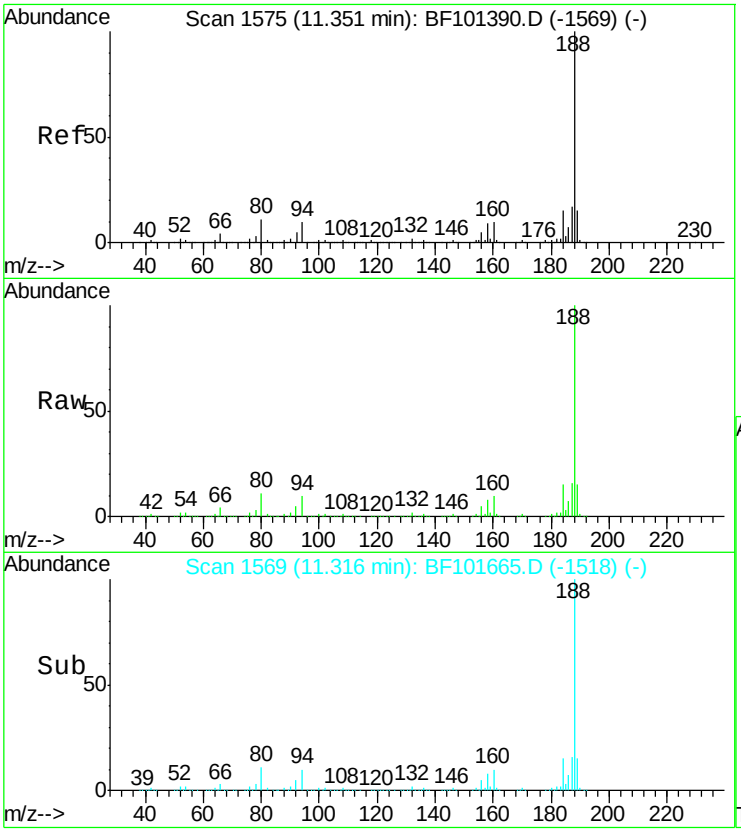


#44
2-Fluorobiphenyl
Concen: 13.675 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:172 Resp: 195910

Ion	Ratio	Lower	Upper
172	100		
171	34.2	29.7	44.5
170	22.3	19.6	29.4

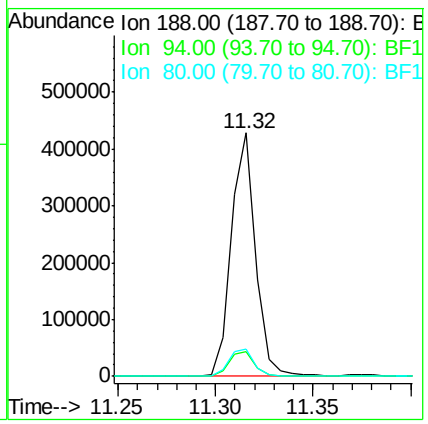




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:188 Resp: 369851

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.5	12.7
80	11.0	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
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Manual Integrations APPROVED
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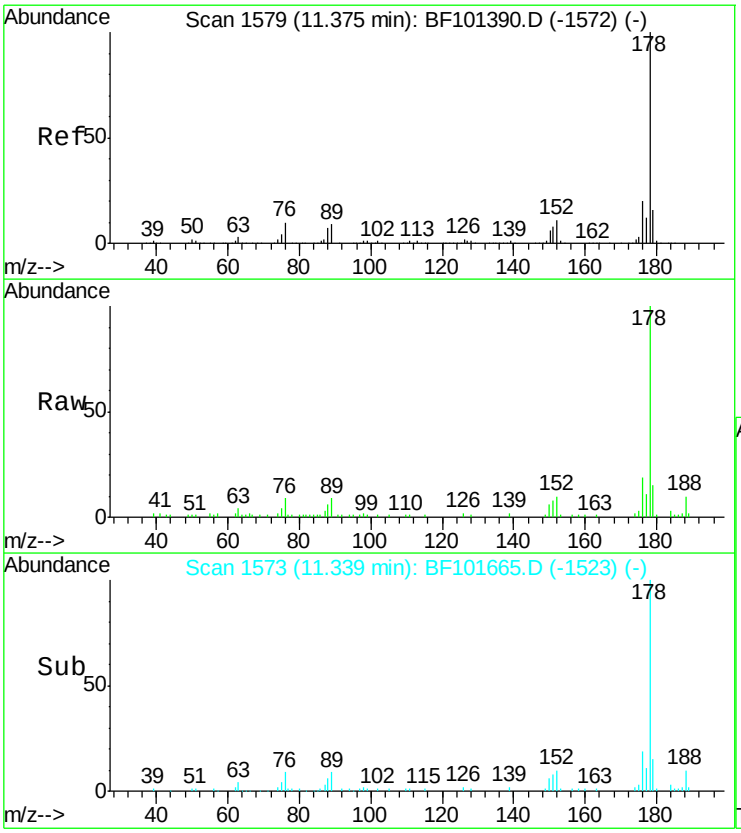
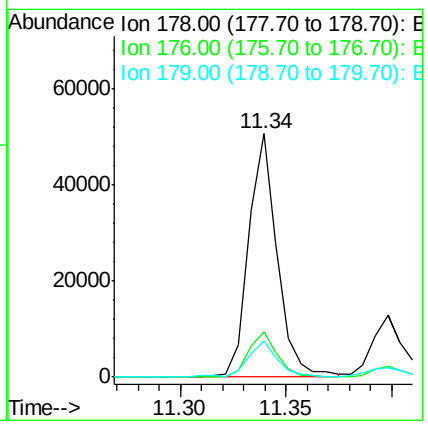
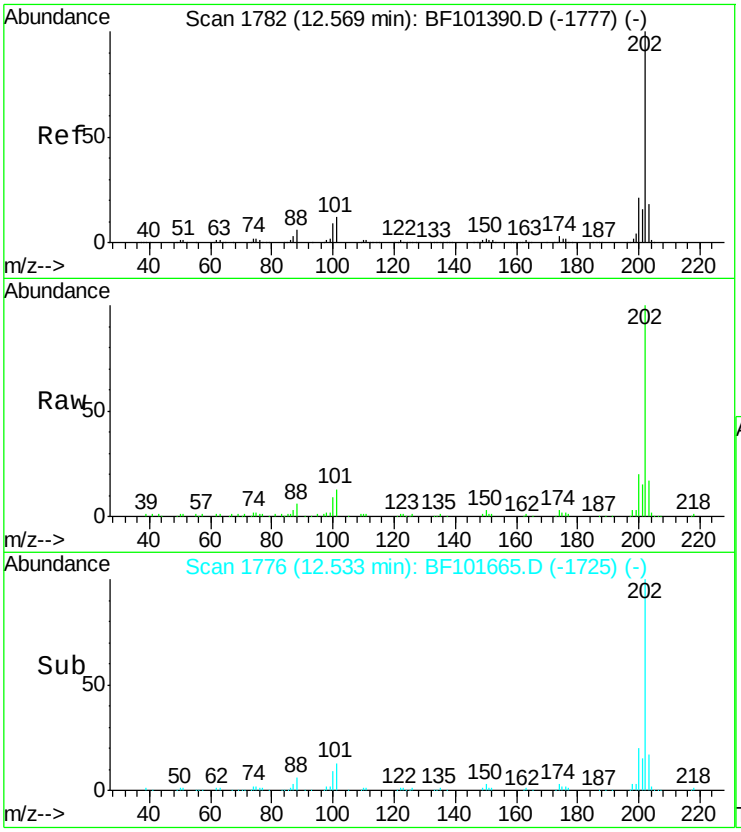


#70
Phenanthrene
Concen: 2.308 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:178 Resp: 47475

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	14.7	13.0	19.6

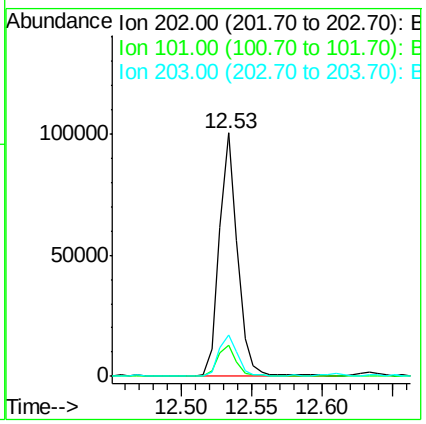




#74
Fluoranthene
Concen: 4.211 ng
RT: 12.53 min Scan# 1776
Delta R.T. 0.00 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:202 Resp: 90906

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	34.1
203	17.0	0.0	38.1



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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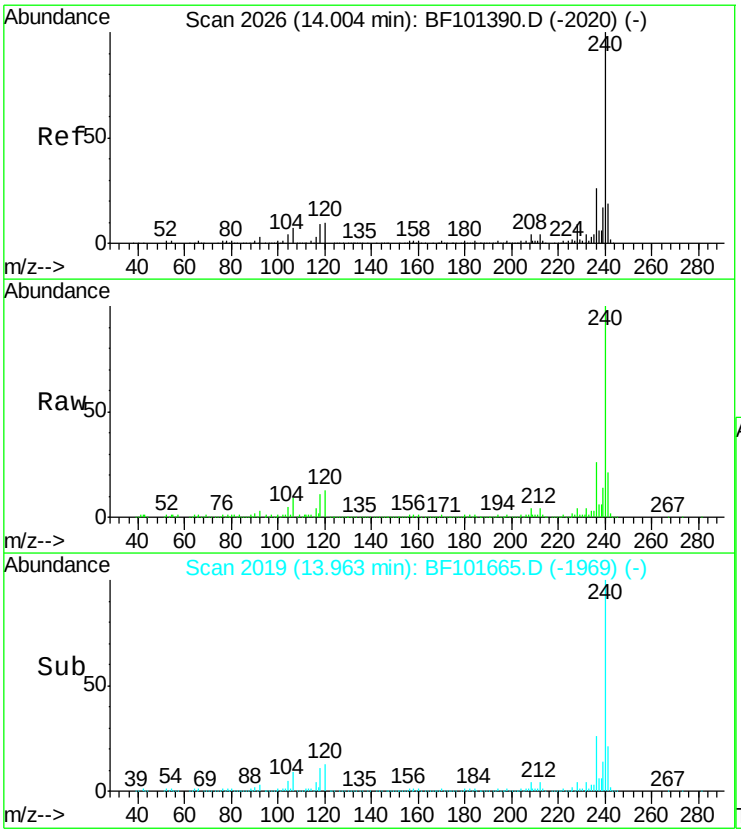
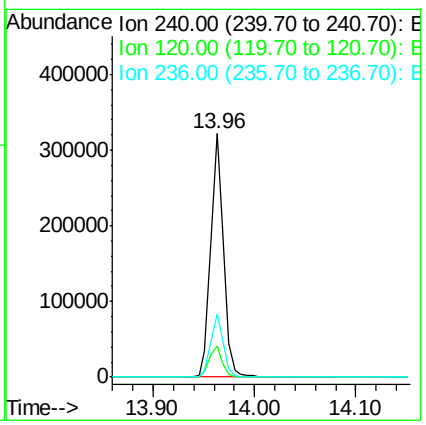
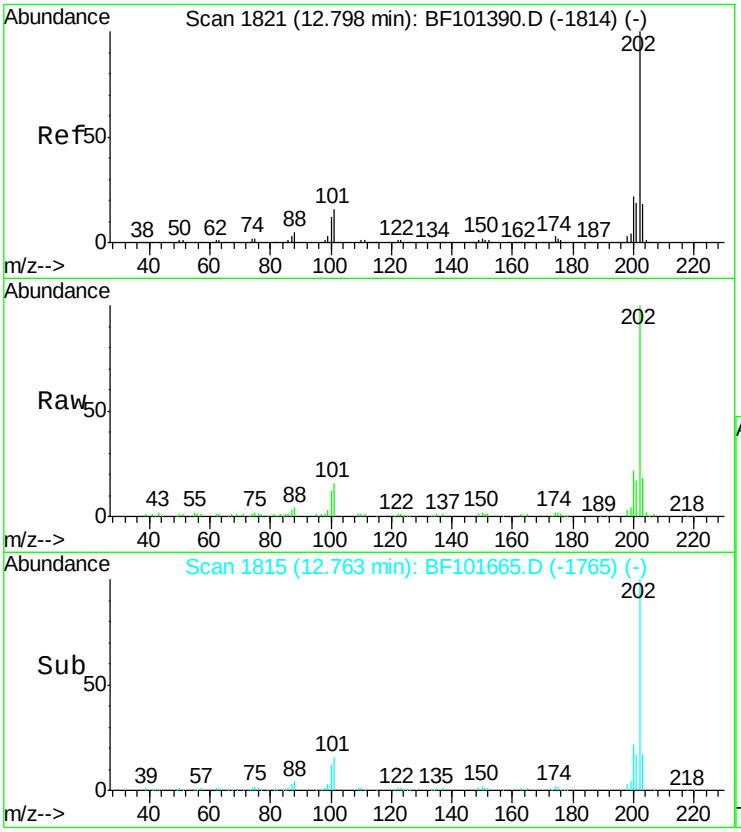


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:240 Resp: 283797

Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.5	14.3
236	26.0	20.7	31.1

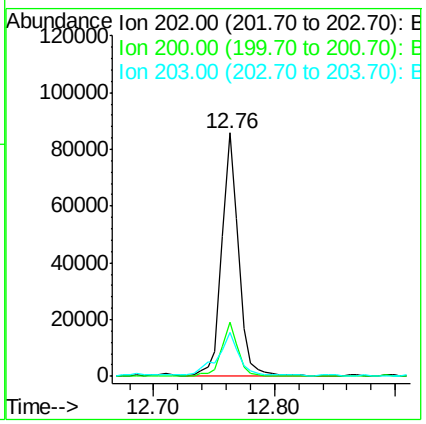




#77
Pyrene
Concen: 3.907 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:202 Resp: 83216

Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.4	26.2
203	18.0	14.3	21.5



Instrument :
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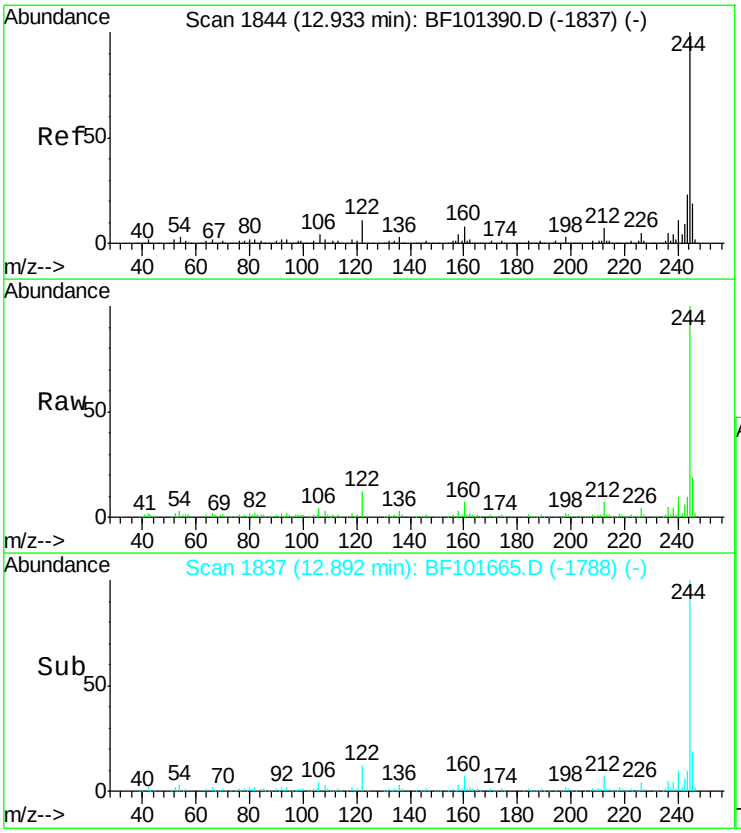
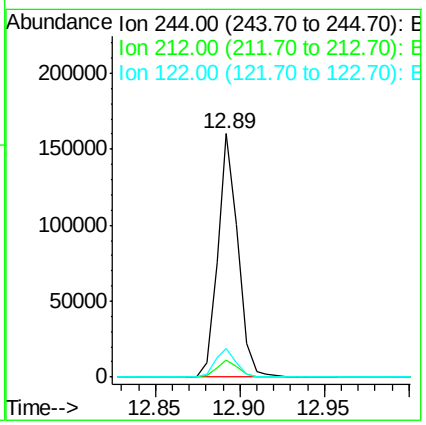
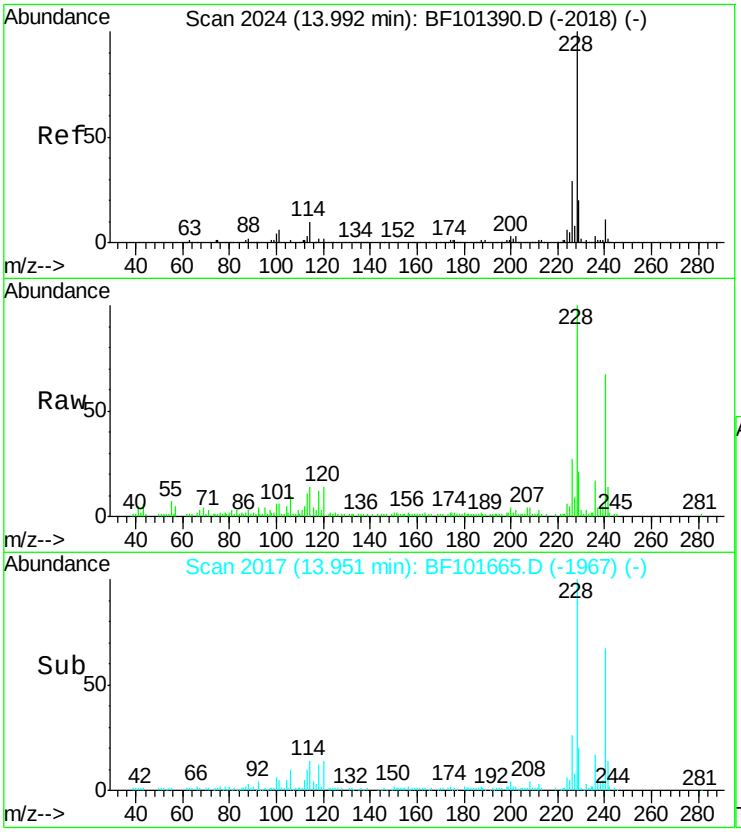


#78
Terphenyl-d14
Concen: 11.258 ng
RT: 12.89 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:244 Resp: 132524

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	11.9	11.0	16.4

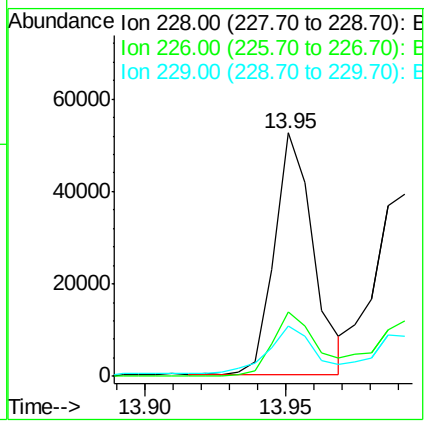




#80
Benzo(a)anthracene
Concen: 2.683 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:228 Resp: 50287

Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.6	33.8
229	20.8	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
72-11938

Manual Integrations APPROVED
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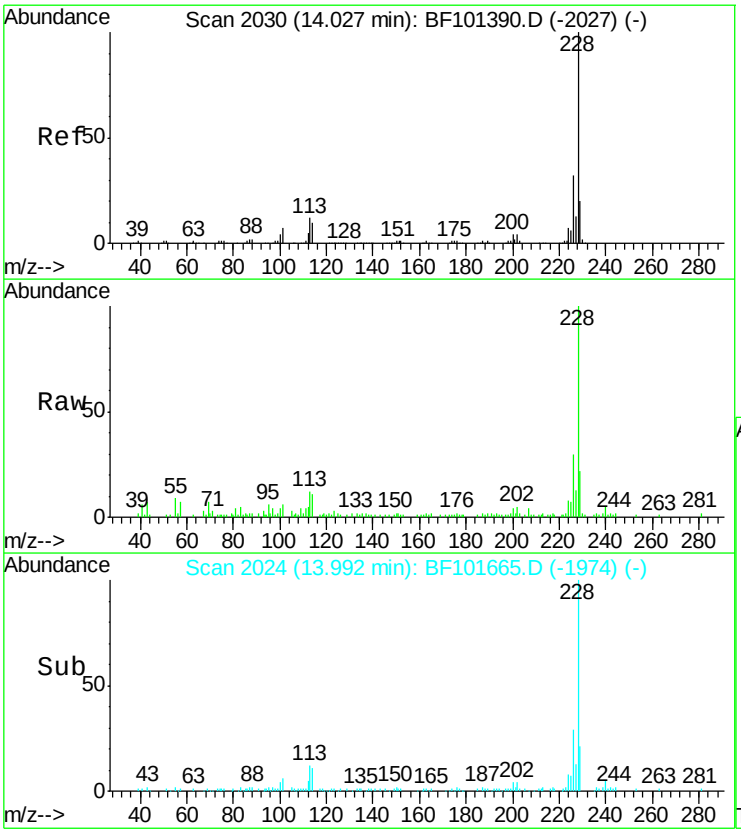
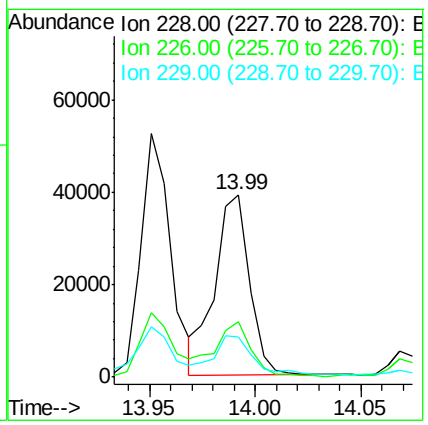
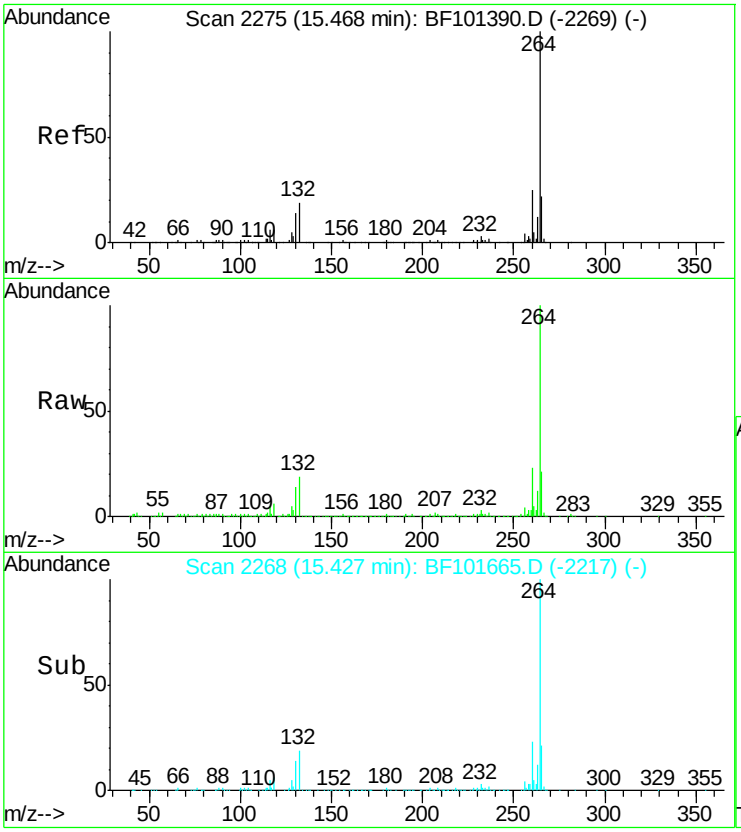


#82
Chrysene
Concen: 2.509 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:228 Resp: 44387

Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	22.1	16.2	24.4

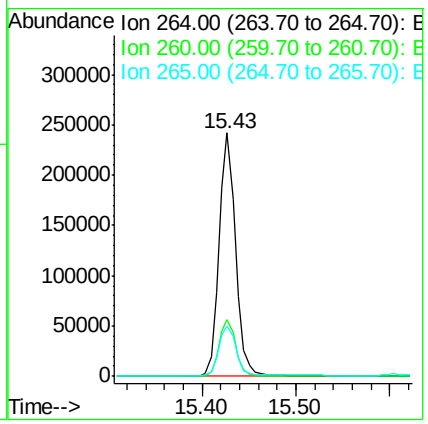




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.00 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

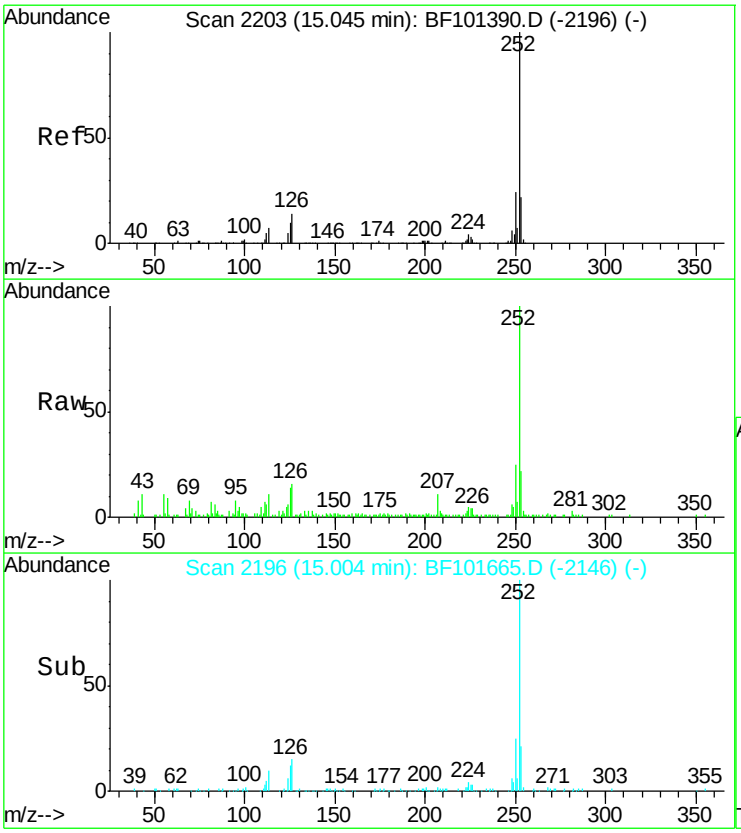
Tgt Ion:264 Resp: 298271

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	20.8	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
72-11938

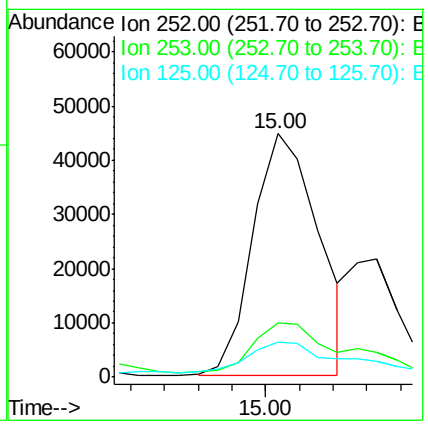
Manual Integrations APPROVED
Sohil
12/26/2017 1:37:28 PM

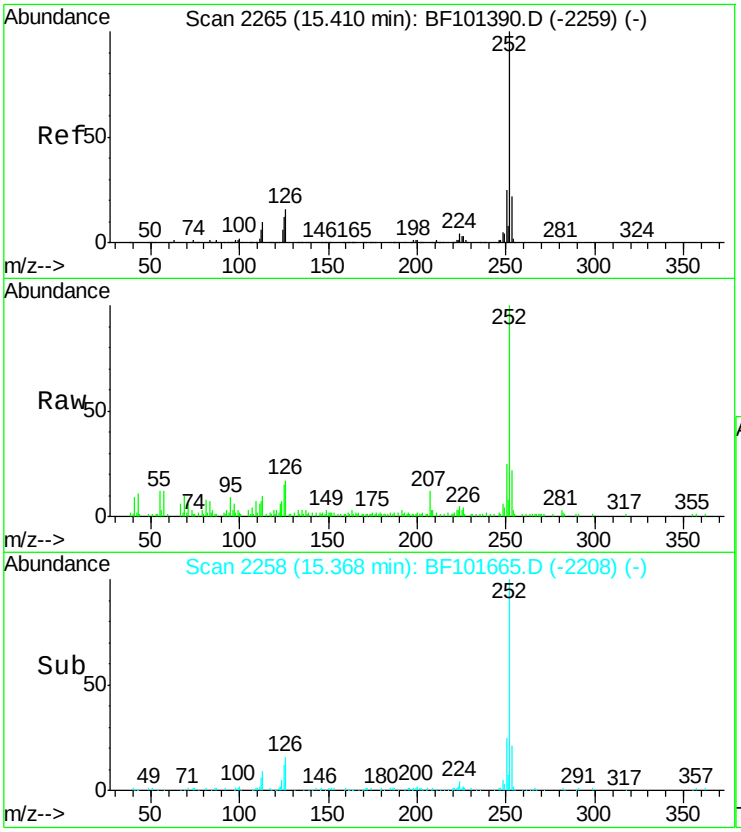


#87
Benzo(b)fluoranthene
Concen: 3.341 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:252 Resp: 60740

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	14.4	9.0	13.6#

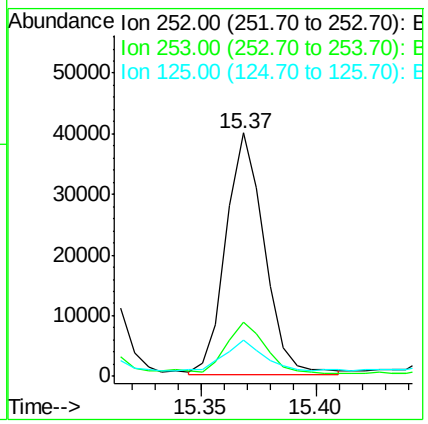




#89
Benzo(a)pyrene
Concen: 2.745 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.01 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

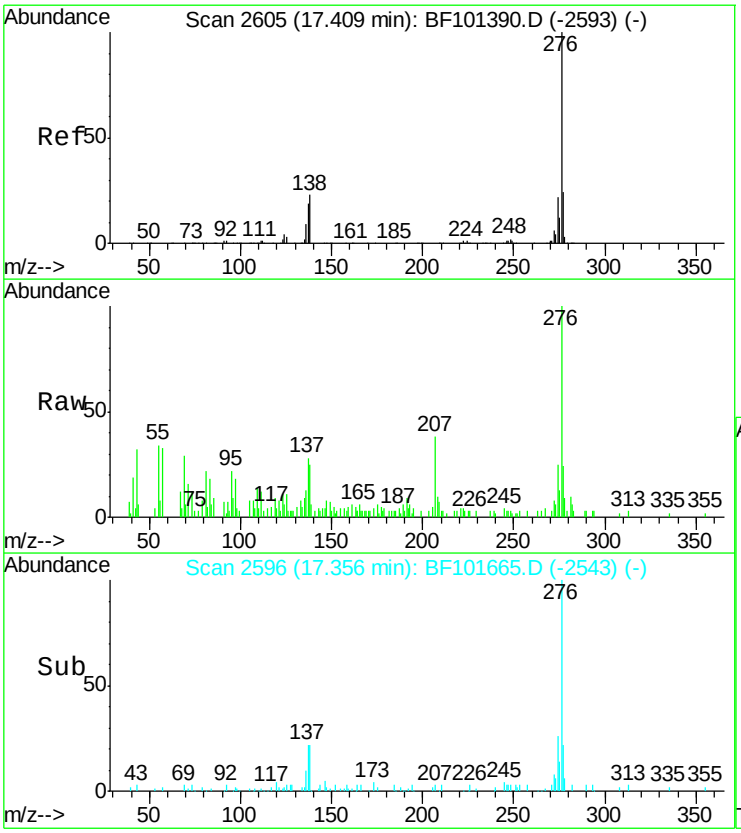
Tgt Ion:252 Resp: 46013

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	14.8	9.8	14.6#



Instrument :
BNA_F
ClientSampleId :
72-11938

Manual Integrations APPROVED
Sohil
12/26/2017 1:37:28 PM



#91
Benzo(g,h,i)perylene
Concen: 2.050 ng
RT: 17.36 min Scan# 2596
Delta R.T. 0.01 min
Lab File: BF101665.D
Acq: 22 Dec 2017 20:36

Tgt Ion:276 Resp: 29203

Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.9	26.9
138	24.8	21.8	32.8