Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101174.D
Acq On : 6 Dec 2017 18:12
Operator : SJ/JU
Sample : I6676-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-120417

Manual Integrations APPROVED
Sohil
12/7/2017 11:35:55 AM

Quant Time: Dec 07 00:23:05 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 04 13:07:49 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	43447	20.00	ng		0.00
21) Naphthalene-d8	8.13	136	165397	20.00	ng		0.00
38) Acenaphthene-d10	9.89	164	70770	20.00	ng		0.00
63) Phenanthrene-d10	11.37	188	119674	20.00	ng		0.00
75) Chrysene-d12	14.02	240	98870	20.00	ng		0.00
86) Perylene-d12	15.50	264	88472	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.46	112	50636	19.26	ng		0.00
7) Phenol-d6	6.47	99	57440	17.99	ng		0.00
23) Nitrobenzene-d5	7.41	82	34395	12.41	ng		0.00
41) 2,4,6-Tribromophenol	10.67	330	12205	14.36	ng		0.00
44) 2-Fluorobiphenyl	9.20	172	72296	13.98	ng		-0.01
78) Terphenyl-d14	12.96	244	56140	12.42	ng		0.00
Target Compounds							Qvalue
70) Phenanthrene	11.40	178	24676	3.744	ng		96
74) Fluoranthene	12.59	202	66677	9.127	ng		93
77) Pyrene	12.82	202	61784	9.056	ng		99
80) Benzo(a)anthracene	14.01	228	33551m	5.375	ng		
82) Chrysene	14.04	228	32174m	5.550	ng		
85) Indeno(1,2,3-cd)pyrene	16.99	276	13378	2.596	ng	#	87
87) Benzo(b)fluoranthene	15.06	252	34192m	6.452	ng		
88) Benzo(k)fluoranthene	15.09	252	14315m	2.742	ng		
89) Benzo(a)pyrene	15.43	252	25750	5.345	ng		99
91) Benzo(g,h,i)perylene	17.44	276	12460	3.113	ng	#	87

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
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Acq On : 6 Dec 2017 18:12
Operator : SJ/JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

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Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OK-02-120417

Manual Integrations APPROVED
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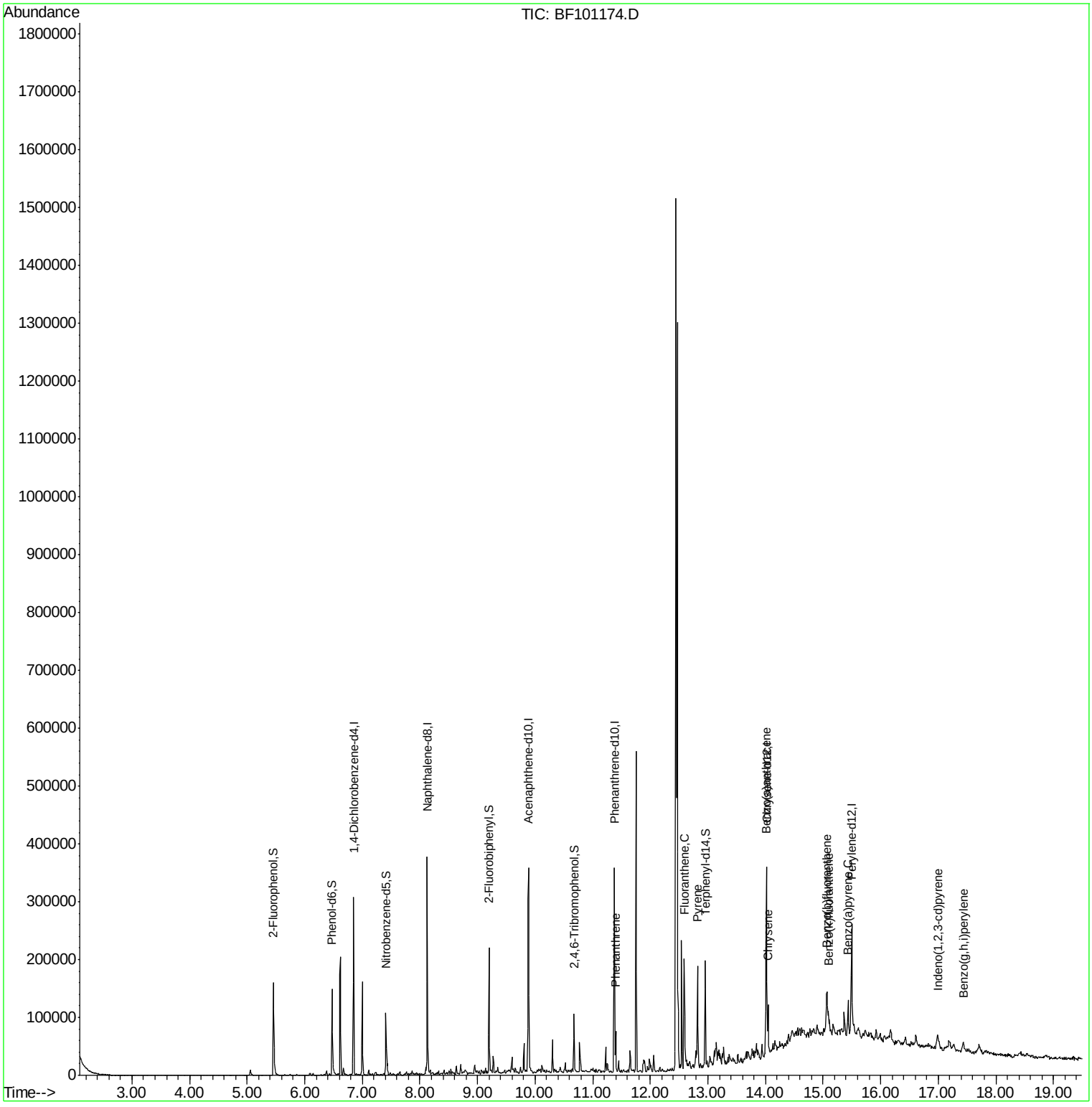
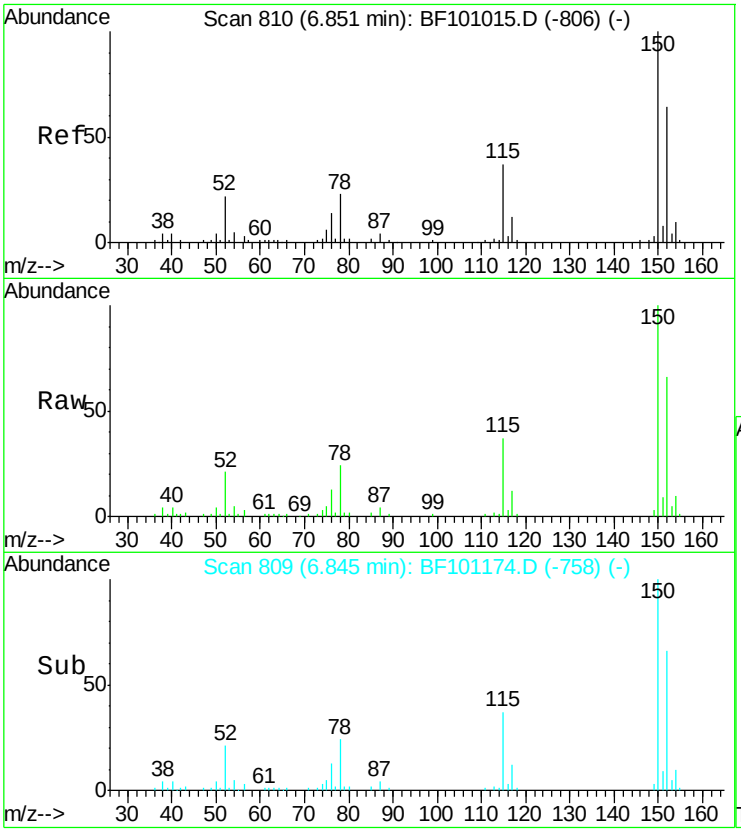
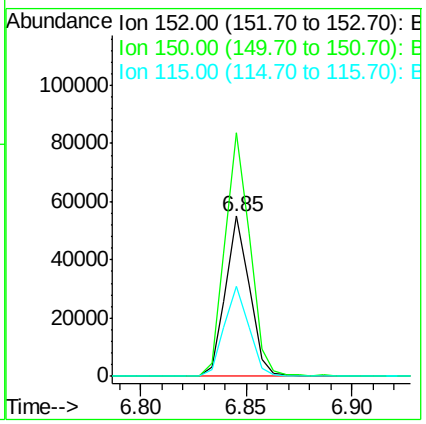




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Tgt Ion:152 Resp: 43447

Ion	Ratio	Lower	Upper
152	100		
150	151.9	124.6	186.8
115	56.5	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
OK-02-120417

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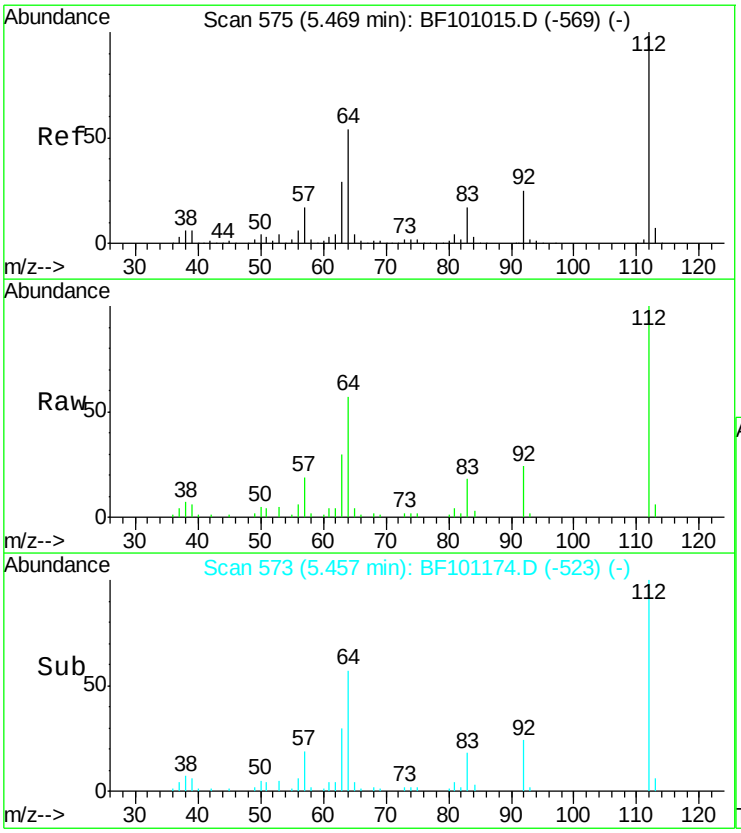
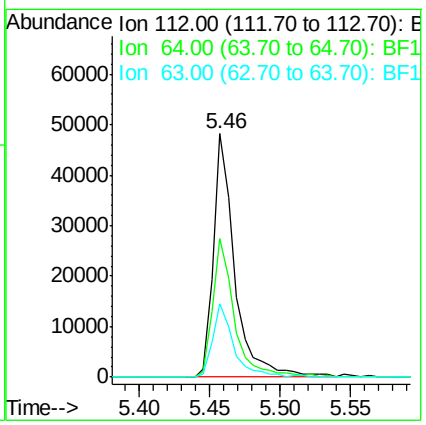
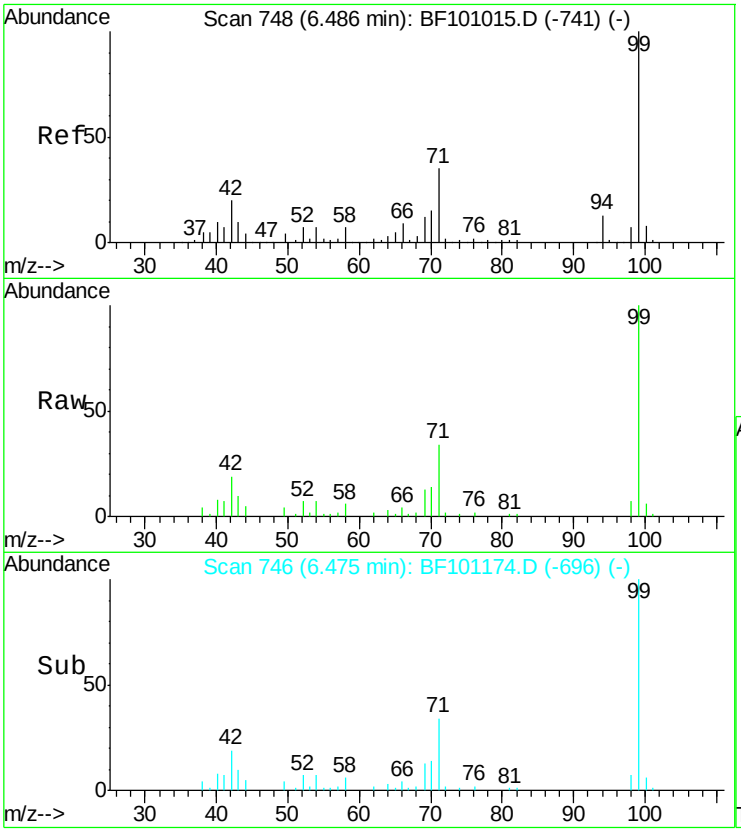


#5
2-Fluorophenol
Concen: 19.259 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Tgt Ion:112 Resp: 50636

Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	30.1	23.7	35.5

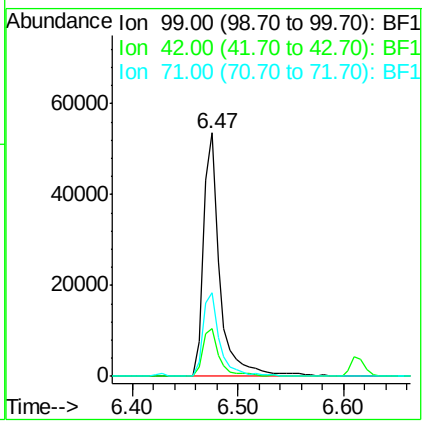




#7
Phenol-d6
Concen: 17.994 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Tgt Ion: 99 Resp: 57440

Ion	Ratio	Lower	Upper
99	100		
42	19.4	14.5	21.7
71	34.3	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
OK-02-120417

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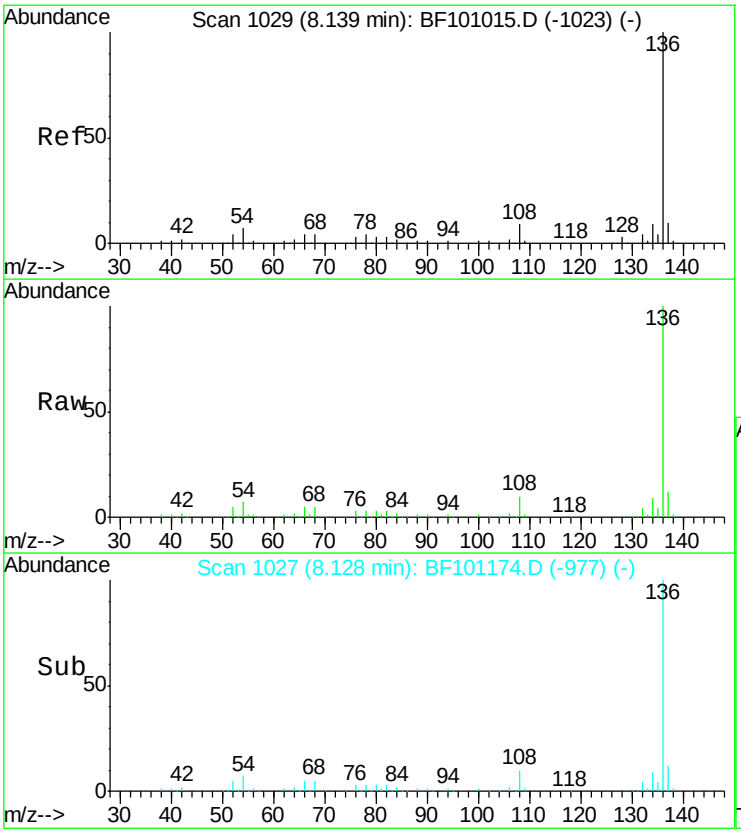
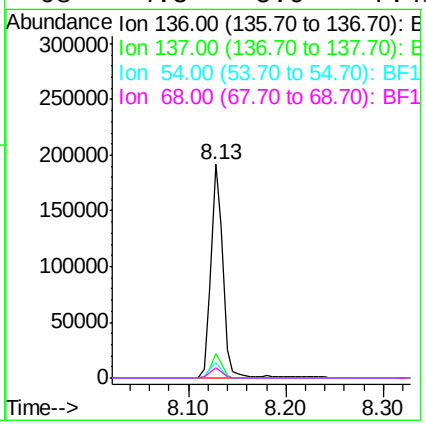
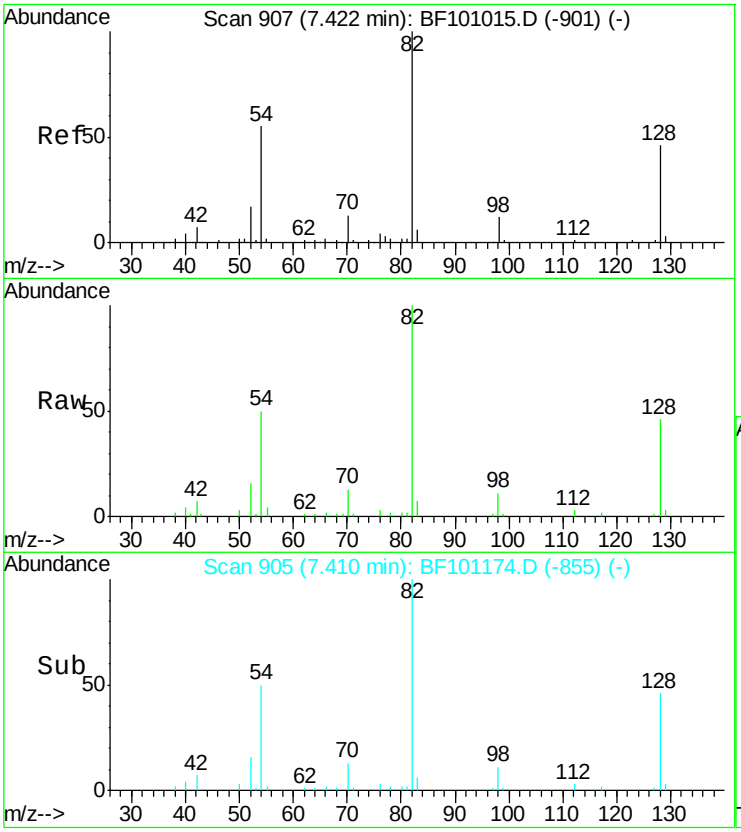


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Tgt Ion:136 Resp: 165397

Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.9	13.3
54	7.4	6.6	9.8
68	4.5	5.0	7.4#

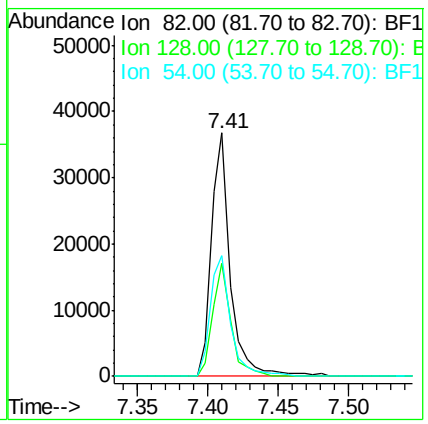




#23
Nitrobenzene-d5
Concen: 12.405 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Tgt Ion: 82 Resp: 34395

Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.1	54.1
54	49.7	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
OK-02-120417

Manual Integrations APPROVED
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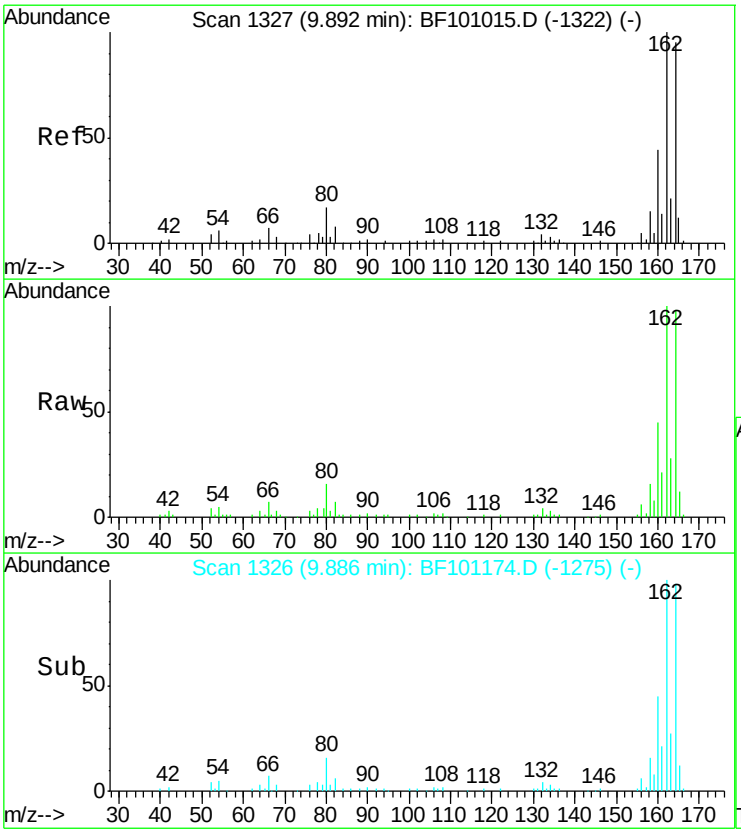
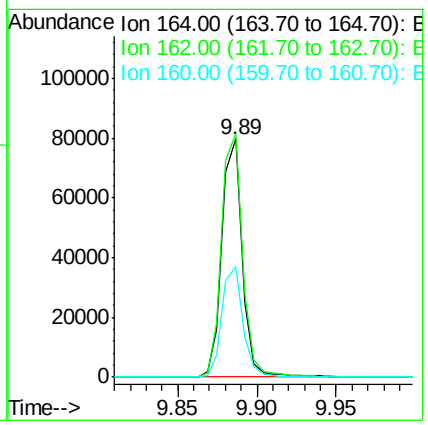
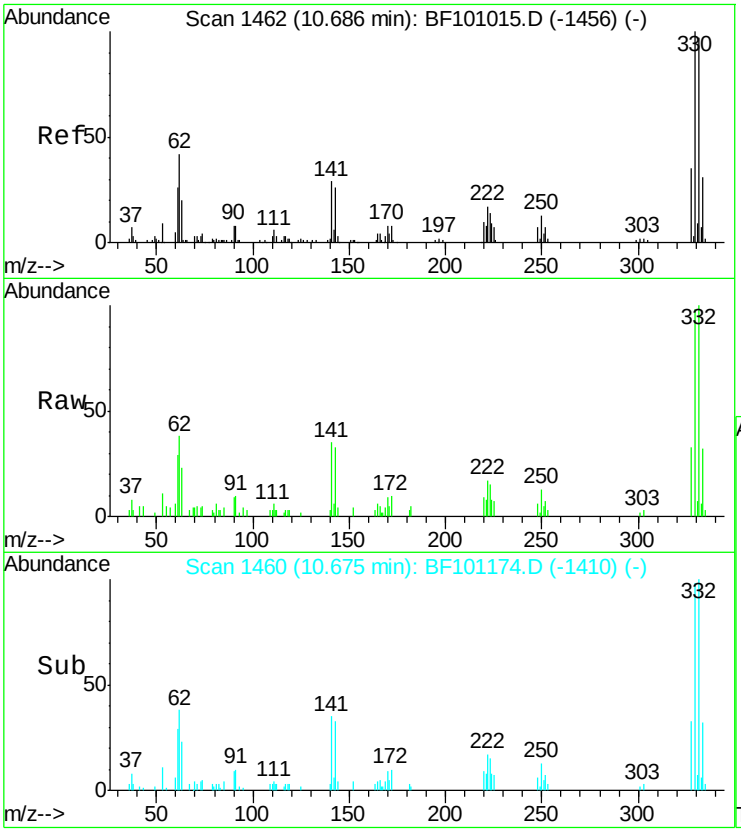


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Tgt Ion:164 Resp: 70770

Ion	Ratio	Lower	Upper
164	100		
162	102.3	86.1	129.1
160	46.4	38.3	57.5

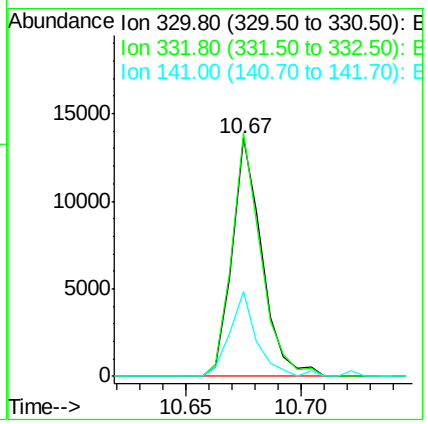




#41
2,4,6-Tribromophenol
Concen: 14.356 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Tgt Ion:330 Resp: 12205

Ion	Ratio	Lower	Upper
330	100		
332	99.7	77.0	115.6
141	32.4	29.9	44.9



Instrument :
BNA_F
ClientSampleId :
OK-02-120417

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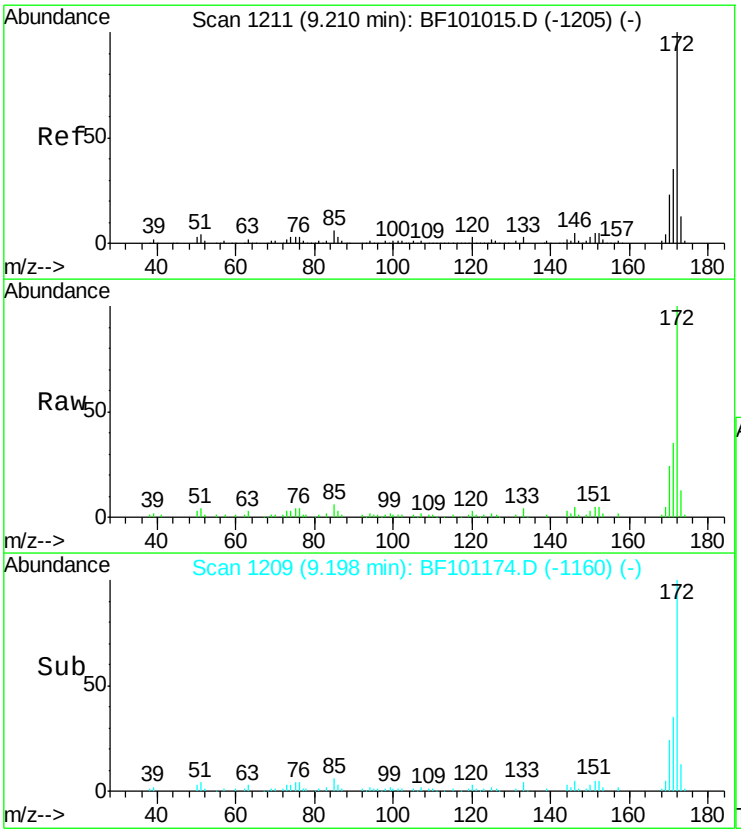
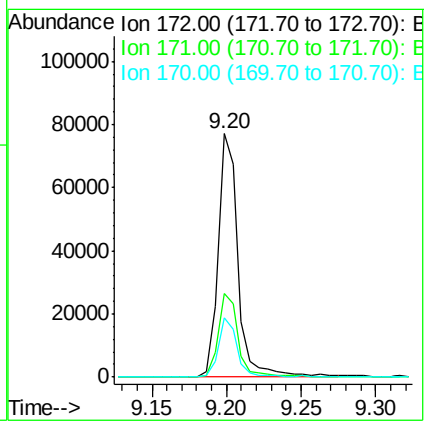
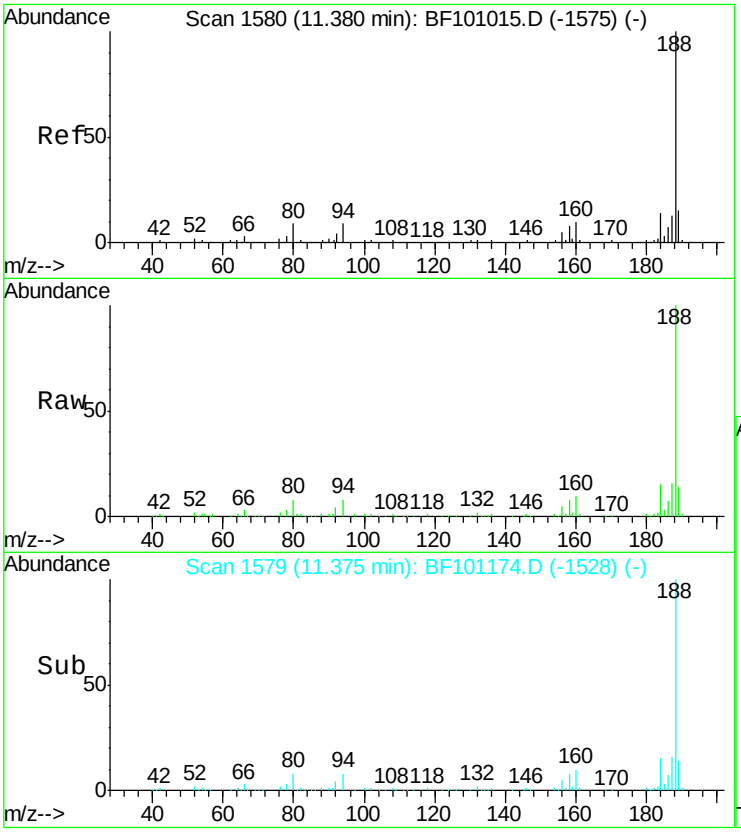


#44
2-Fluorobiphenyl
Concen: 13.977 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Tgt Ion:172 Resp: 72296

Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.7	44.5
170	24.2	19.6	29.4





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Tgt Ion:188 Resp: 119674

Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.5	12.7#
80	8.0	9.2	13.8#

Instrument :
BNA_F
ClientSampleId :
OK-02-120417

Manual Integrations APPROVED
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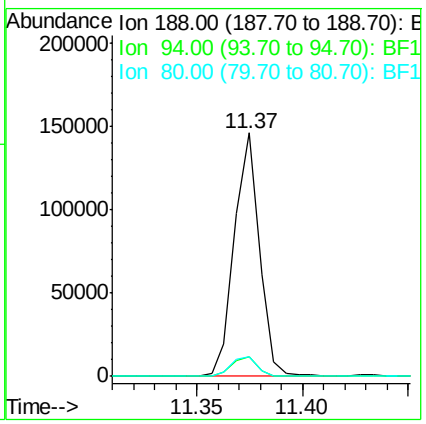
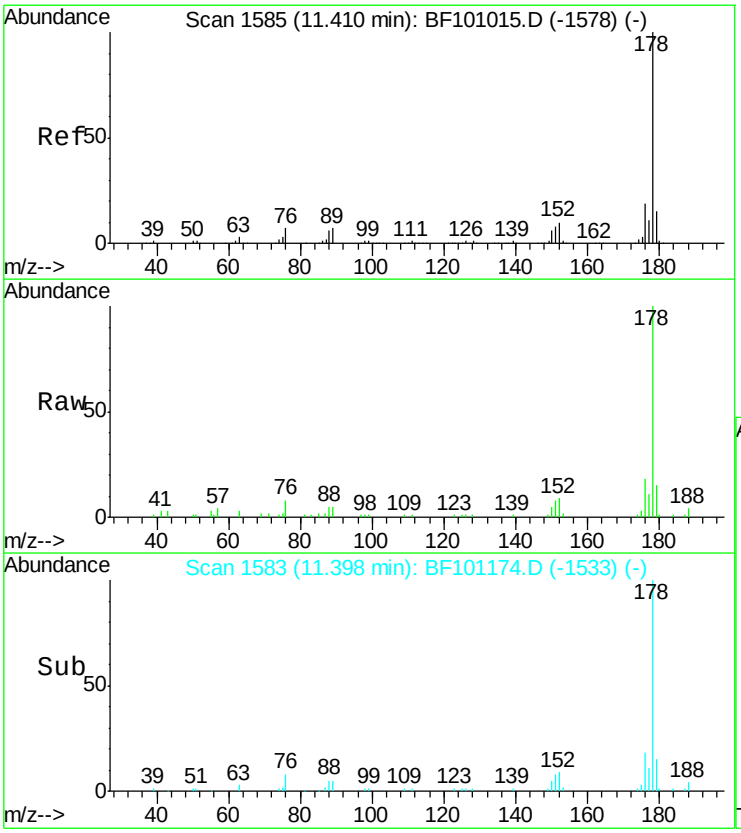
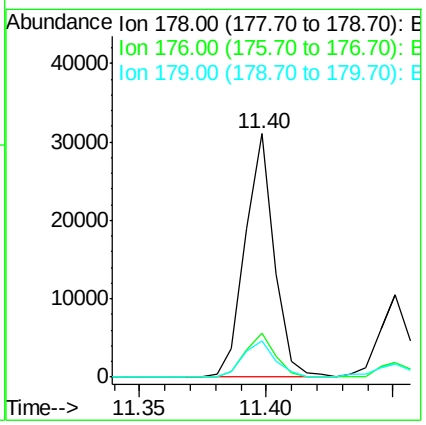


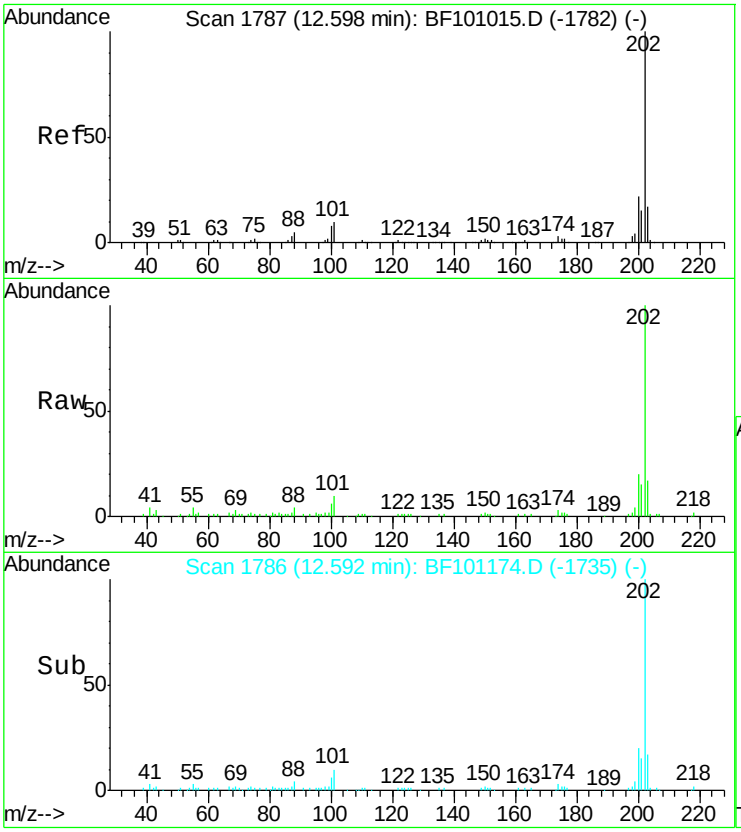


#70
Phenanthrene
Concen: 3.744 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Tgt Ion:178 Resp: 24676

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	14.7	13.0	19.6

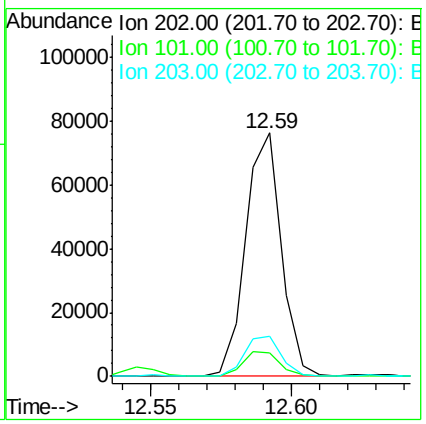




#74
Fluoranthene
Concen: 9.127 ng
RT: 12.59 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Tgt Ion:202 Resp: 66677

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	34.1
203	16.6	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
OK-02-120417

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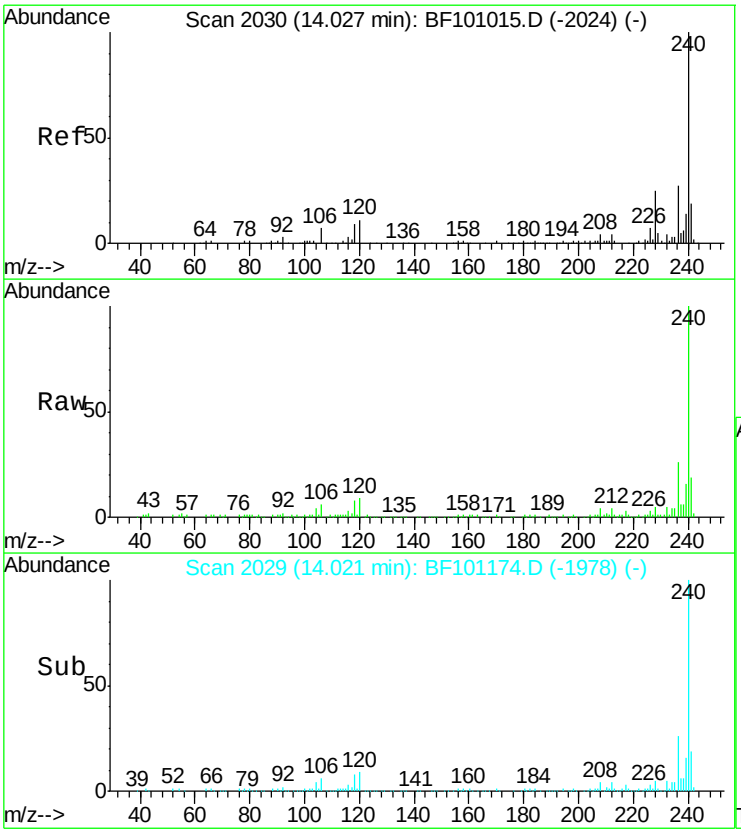
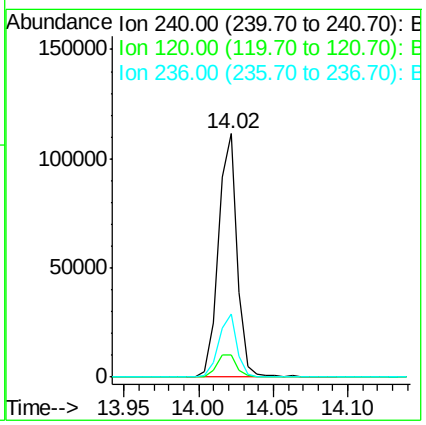
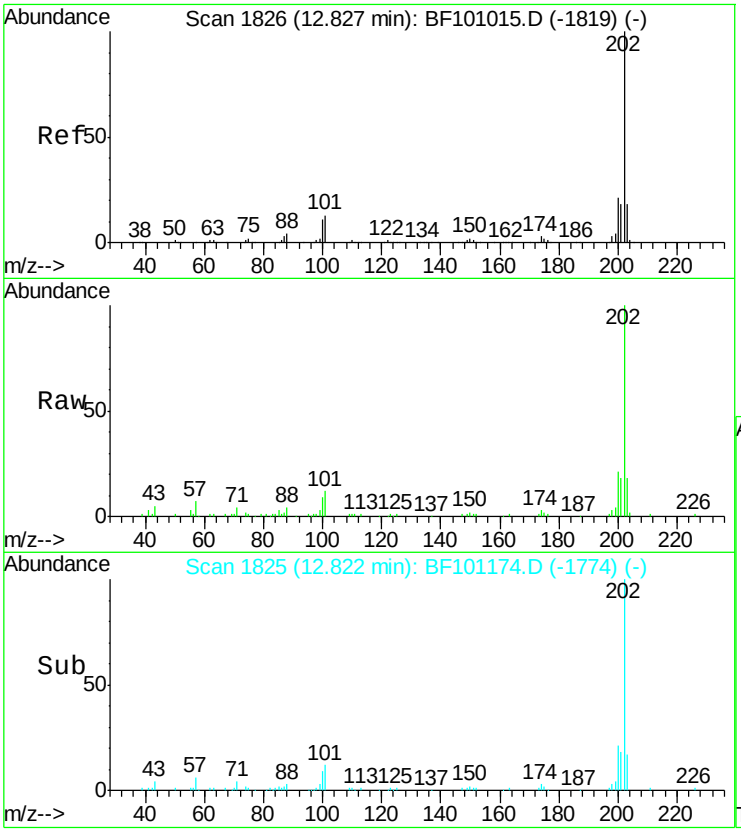


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Tgt Ion:240 Resp: 98870

Ion	Ratio	Lower	Upper
240	100		
120	9.2	9.5	14.3#
236	25.8	20.7	31.1

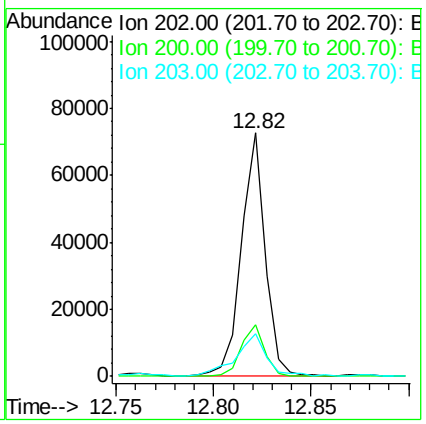




#77
Pyrene
Concen: 9.056 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Tgt Ion:202 Resp: 61784

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.5	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
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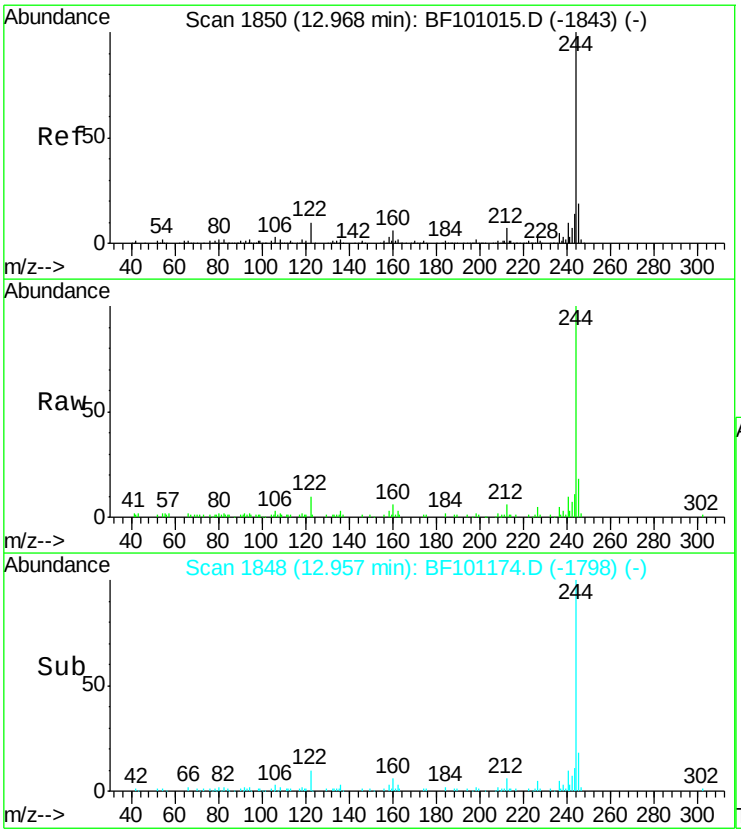
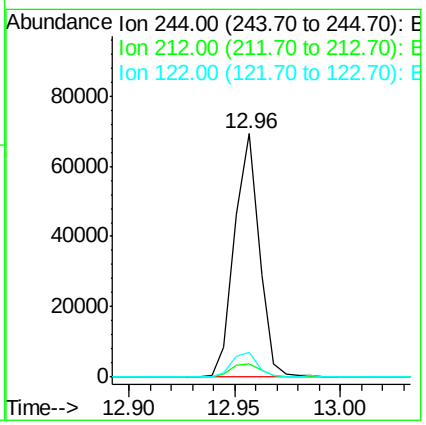
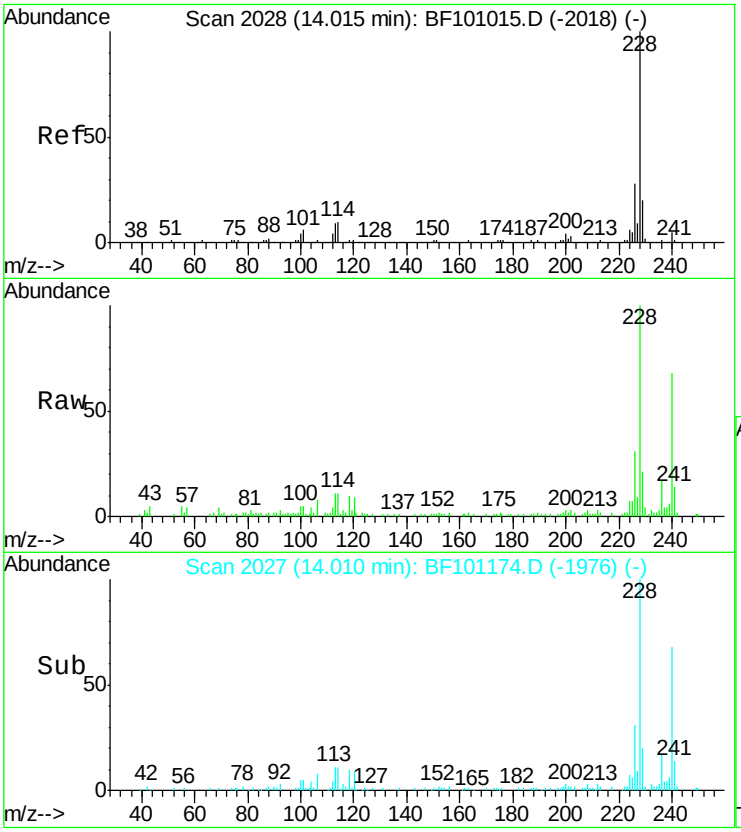


#78
Terphenyl-d14
Concen: 12.420 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Tgt Ion:244 Resp: 56140

Ion	Ratio	Lower	Upper
244	100		
212	5.7	5.4	8.0
122	9.9	11.0	16.4#

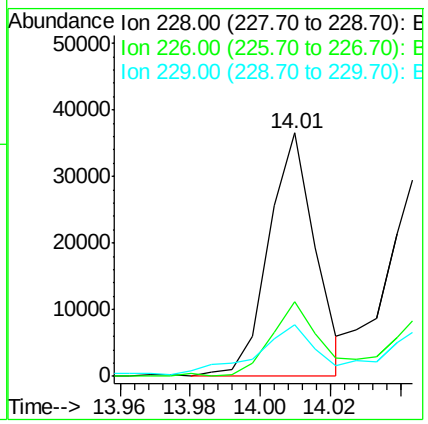




#80
Benzo(a)anthracene
Concen: 5.375 ng m
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Tgt Ion:228 Resp: 33551

Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.6	33.8
229	21.3	15.8	23.6



Instrument :
BNA_F
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OK-02-120417

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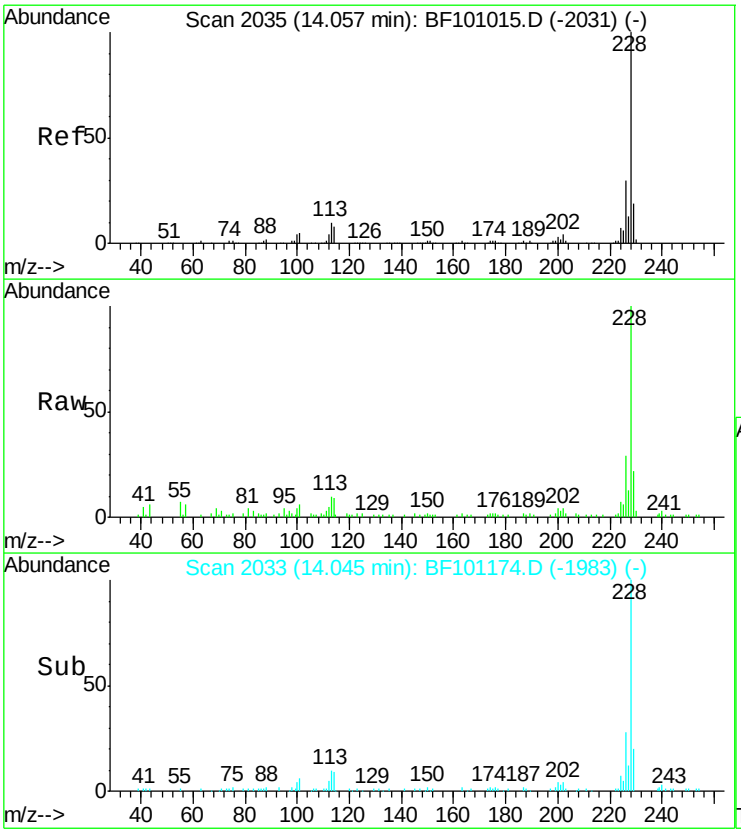
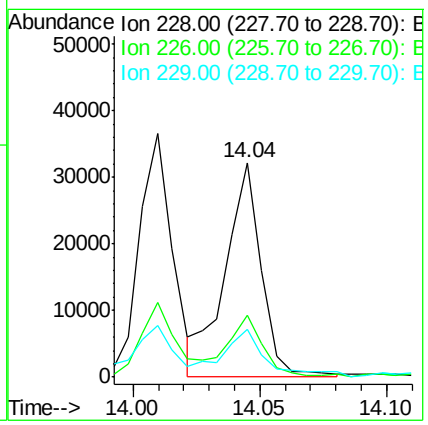
12/7/2017 11:35:55 AM

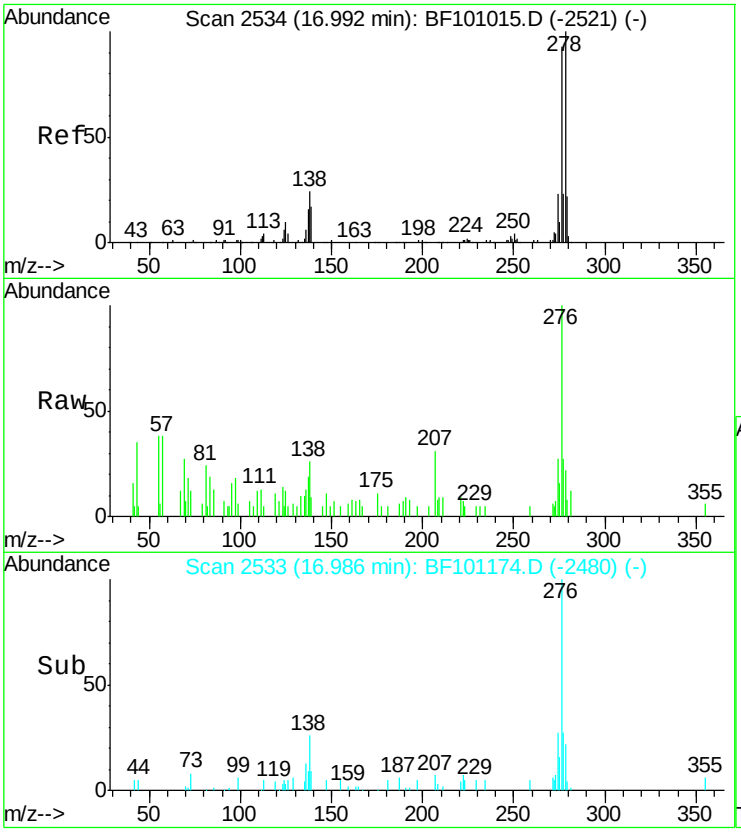


#82
Chrysene
Concen: 5.550 ng m
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Tgt Ion:228 Resp: 32174

Ion	Ratio	Lower	Upper
228	100		
226	28.7	25.0	37.6
229	22.4	16.2	24.4





#85
Indeno(1,2,3-cd)pyrene
Concen: 2.596 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.01 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Tgt Ion:276 Resp: 13378

Ion	Ratio	Lower	Upper
276	100		
138	22.3	25.0	37.6#
277	29.0	20.1	30.1

Instrument :
BNA_F
ClientSampleId :
OK-02-120417

Manual Integrations APPROVED
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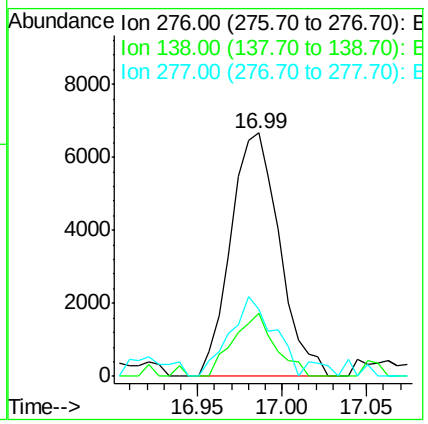
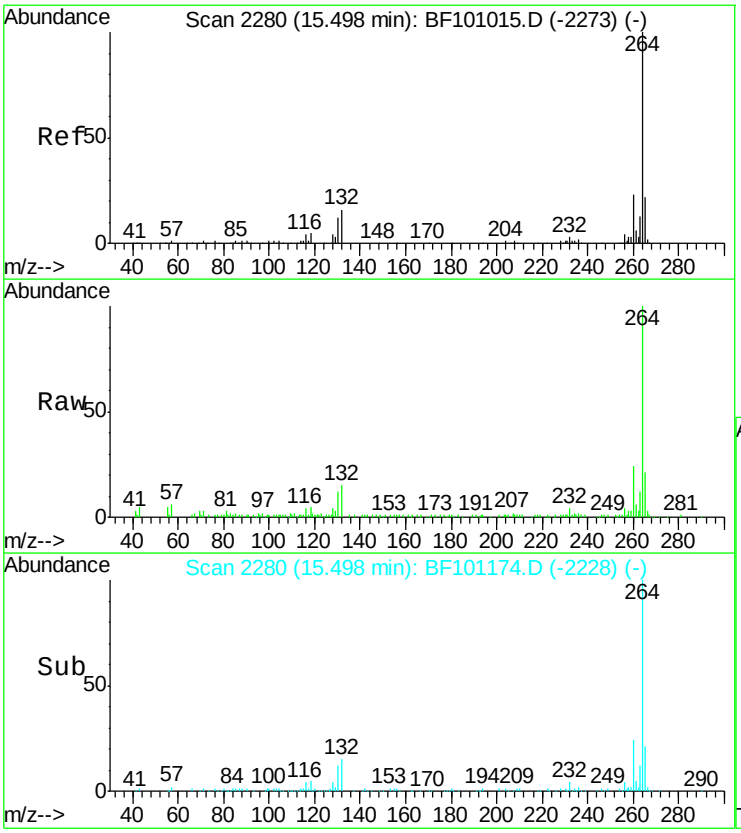
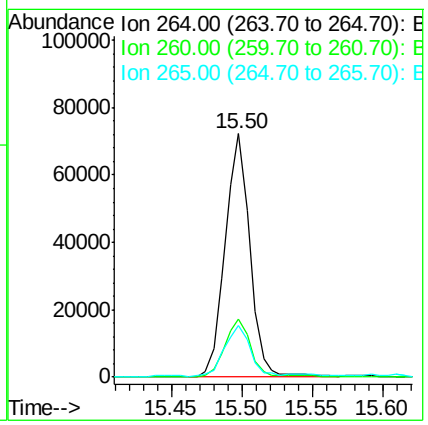


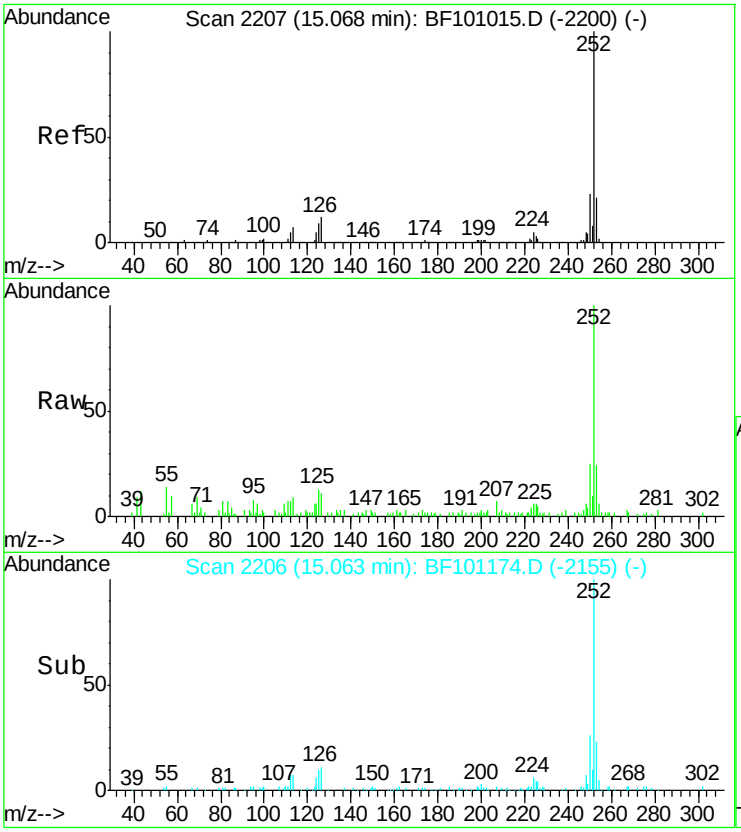


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Tgt Ion:264 Resp: 88472

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.2	17.5	26.3

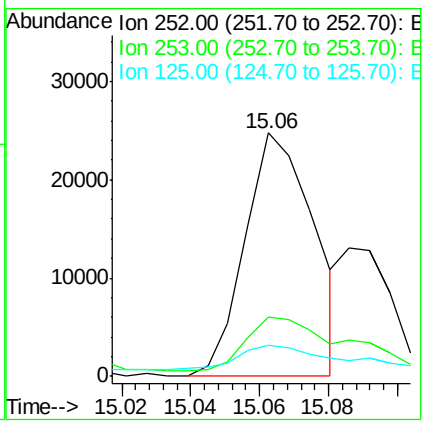




#87
Benzo(b)fluoranthene
Concen: 6.452 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Tgt Ion:252 Resp: 34192

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	12.7	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
OK-02-120417

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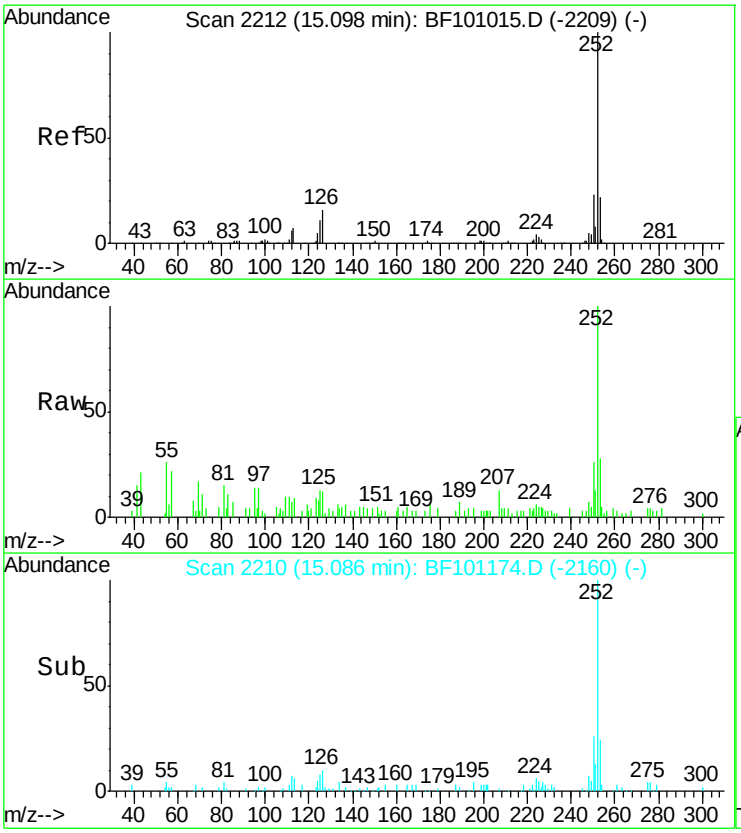
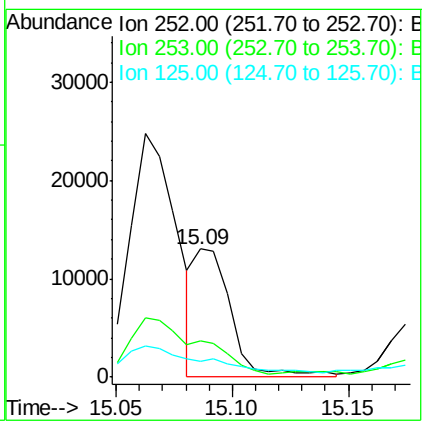
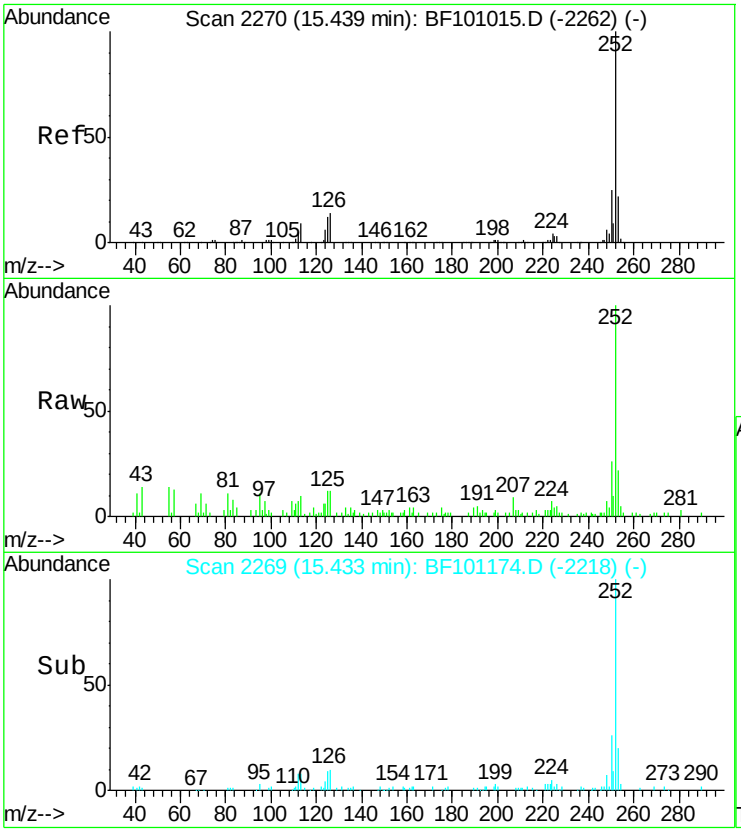


#88
Benzo(k)fluoranthene
Concen: 2.742 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Tgt Ion:252 Resp: 14315

Ion	Ratio	Lower	Upper
252	100		
253	28.4	17.9	26.9#
125	12.6	10.2	15.2





#89
Benzo(a)pyrene
Concen: 5.345 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Tgt Ion:252 Resp: 25750

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	12.0	9.8	14.6

Instrument :
BNA_F
ClientSampleId :
OK-02-120417

Manual Integrations APPROVED
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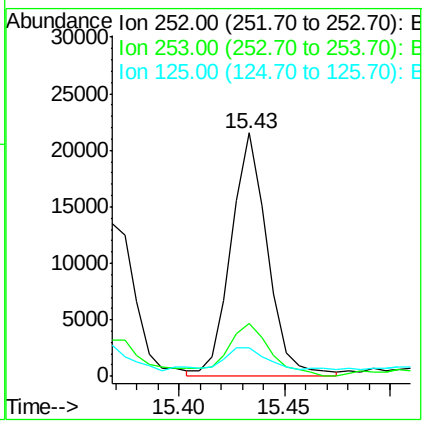
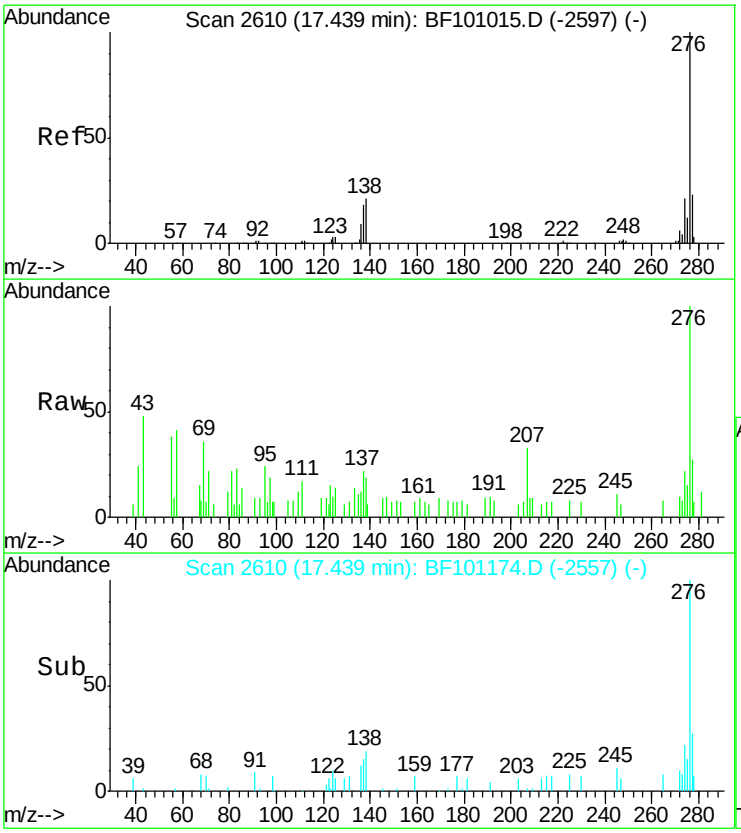
12/7/2017 11:35:55 AM





#91
Benzo(g,h,i)perylene
Concen: 3.113 ng
RT: 17.44 min Scan# 2610
Delta R.T. 0.01 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Tgt Ion:276 Resp: 12460

Ion	Ratio	Lower	Upper
276	100		
277	27.2	17.9	26.9#
138	19.0	21.8	32.8#