Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072717\
Data File : BF097139.D
Acq On : 27 Jul 2017 23:01
Operator : SJ/JU
Sample : I4424-10 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AU-06-072417-D

Manual Integrations APPROVED
Sohil
7/28/2017 4:46:51 PM

Quant Time: Jul 28 01:56:44 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 14:11:51 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	60297	20.00	ng		-0.01
21) Naphthalene-d8	7.77	136	262826	20.00	ng		-0.02
38) Acenaphthene-d10	9.51	164	90163	20.00	ng		-0.02
63) Phenanthrene-d10	10.99	188	132406	20.00	ng		-0.02
75) Chrysene-d12	13.61	240	122559	20.00	ng		-0.02
86) Perylene-d12	14.96	264	97622	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.08	112	442169	110.55	ng		-0.02
7) Phenol-d6	6.15	99	447862	98.08	ng		-0.02
23) Nitrobenzene-d5	7.05	82	275850	61.57	ng		-0.02
41) 2,4,6-Tribromophenol	10.30	330	64839	91.02	ng		-0.02
44) 2-Fluorobiphenyl	8.85	172	414178	77.96	ng		-0.02
78) Terphenyl-d14	12.57	244	234801	39.06	ng		-0.02
Target Compounds							Qvalue
10) Phenol	6.16	94	11953	2.207	ng		83
49) Dimethylphthalate	9.25	163	88541	12.932	ng		99
59) Diethylphthalate	9.95	149	16770	2.670	ng		96
70) Phenanthrene	11.01	178	16637	2.345	ng		96
74) Fluoranthene	12.19	202	37851	5.446	ng		97
77) Pyrene	12.42	202	33397	3.329	ng		99
80) Benzo(a)anthracene	13.60	228	19818	2.499	ng		96
82) Chrysene	13.63	228	18361m	2.371	ng		
87) Benzo(b)fluoranthene	14.60	252	25032m	4.266	ng		
89) Benzo(a)pyrene	14.91	252	16415	3.056	ng	#	96

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

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Manual Integrations APPROVED
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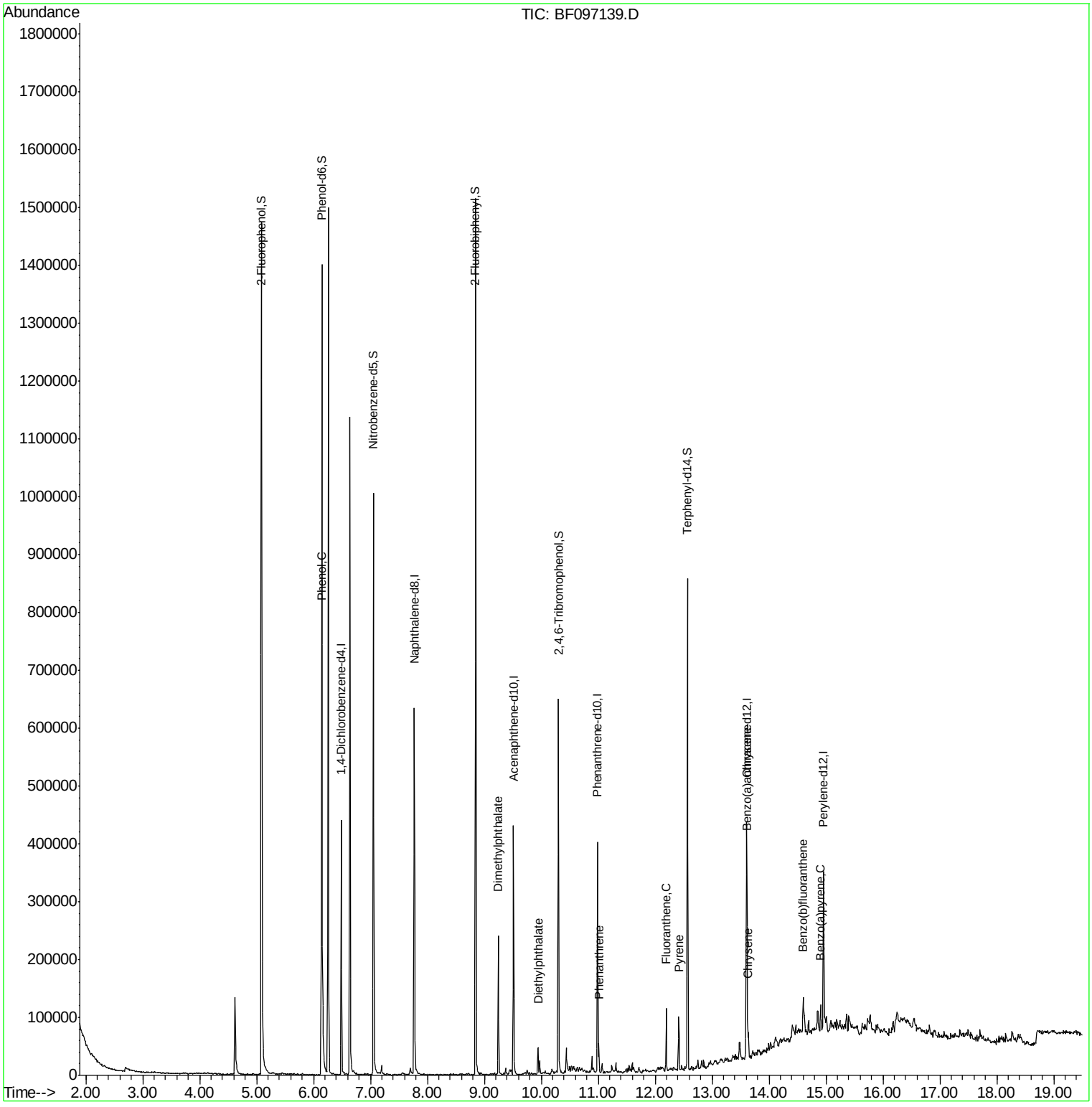
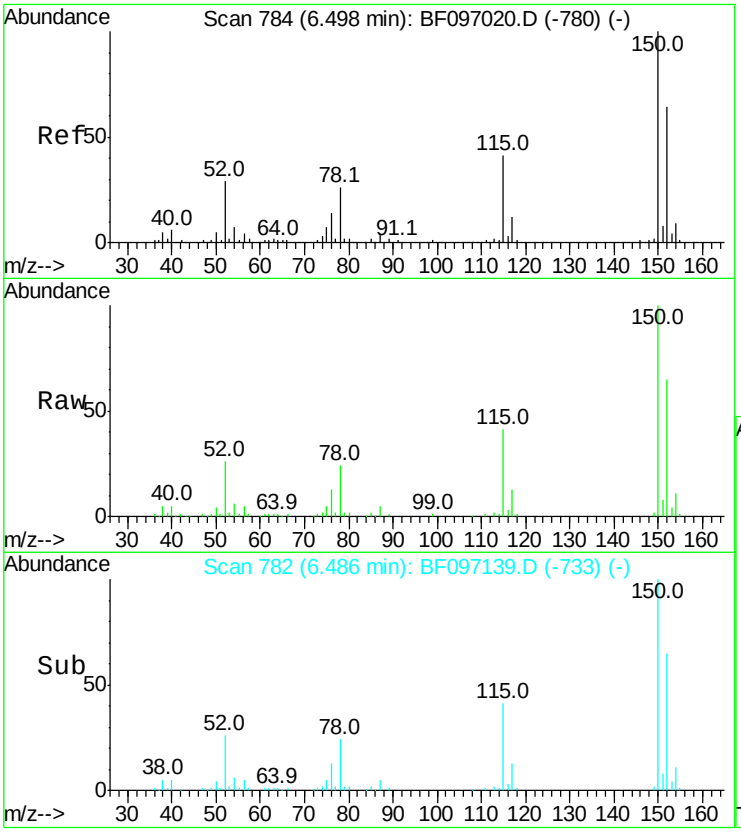
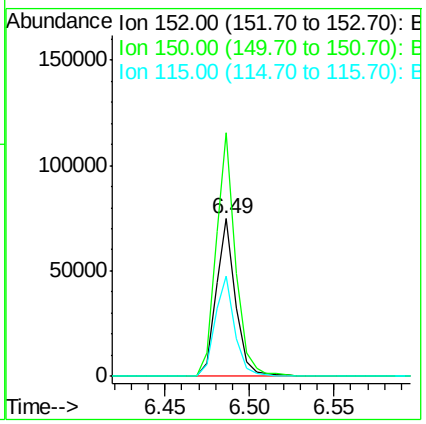




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion:152 Resp: 60297

Ion	Ratio	Lower	Upper
152	100		
150	154.7	126.2	189.2
115	63.9	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
AU-06-072417-D

Manual Integrations APPROVED
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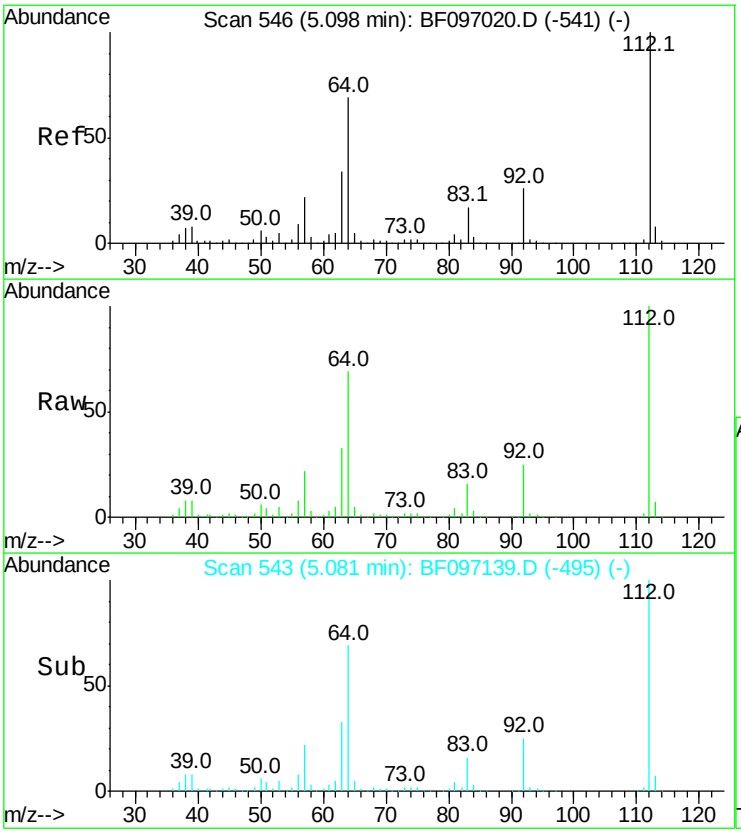
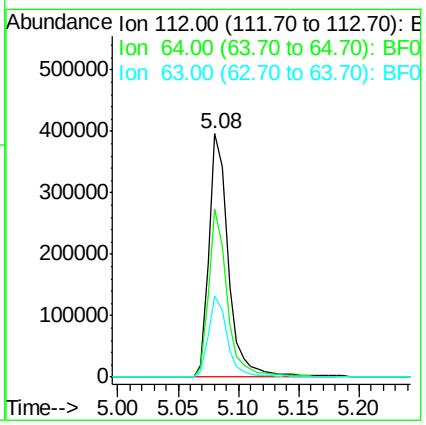
7/28/2017 4:46:51 PM

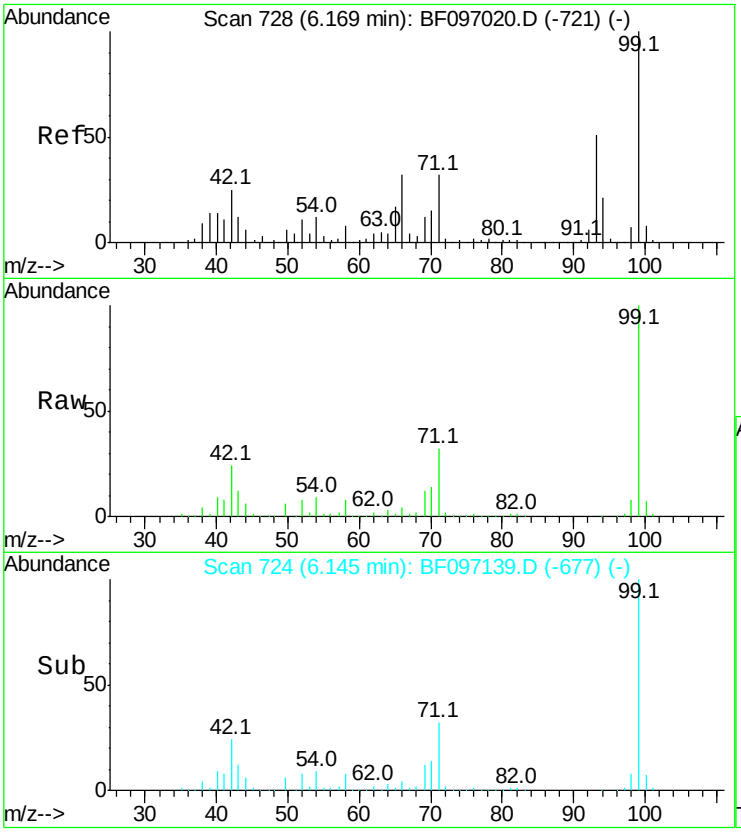


#5
2-Fluorophenol
Concen: 110.547 ng
RT: 5.08 min Scan# 543
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion:112 Resp: 442169

Ion	Ratio	Lower	Upper
112	100		
64	69.1	46.0	69.0#
63	33.5	23.4	35.0

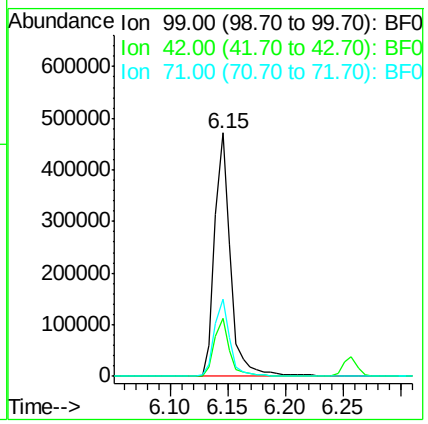




#7
Phenol-d6
Concen: 98.080 ng
RT: 6.15 min Scan# 724
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion: 99 Resp: 447862

Ion	Ratio	Lower	Upper
99	100		
42	23.7	13.5	20.3#
71	31.6	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
AU-06-072417-D

Manual Integrations APPROVED
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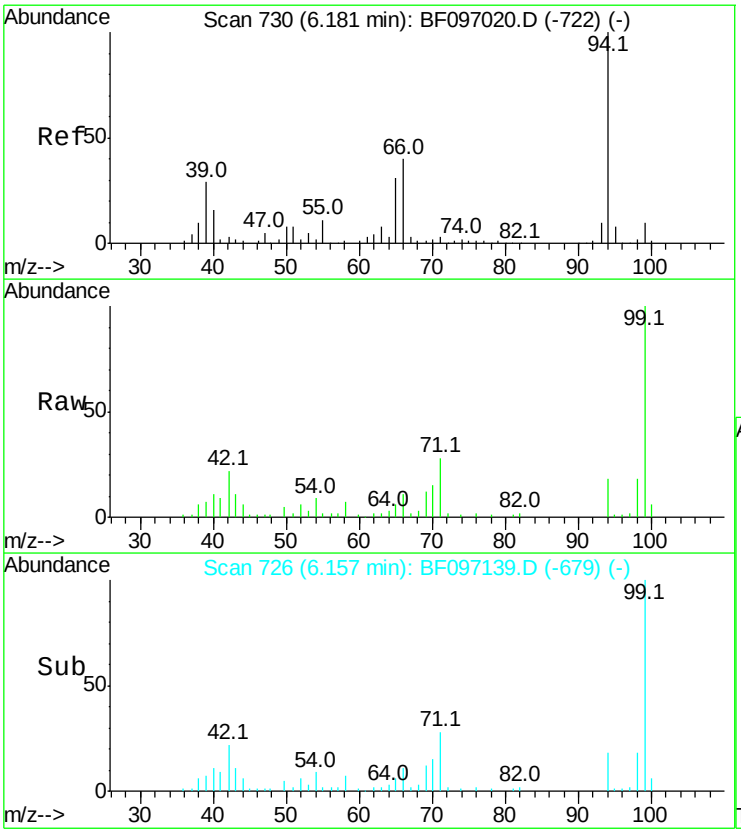
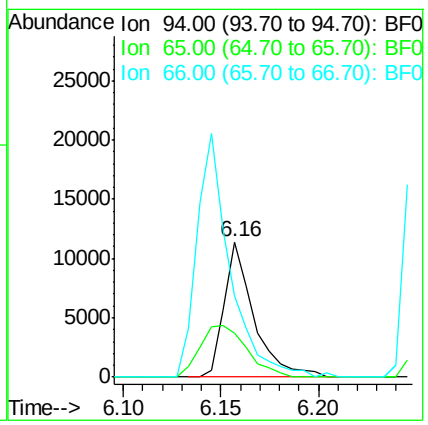
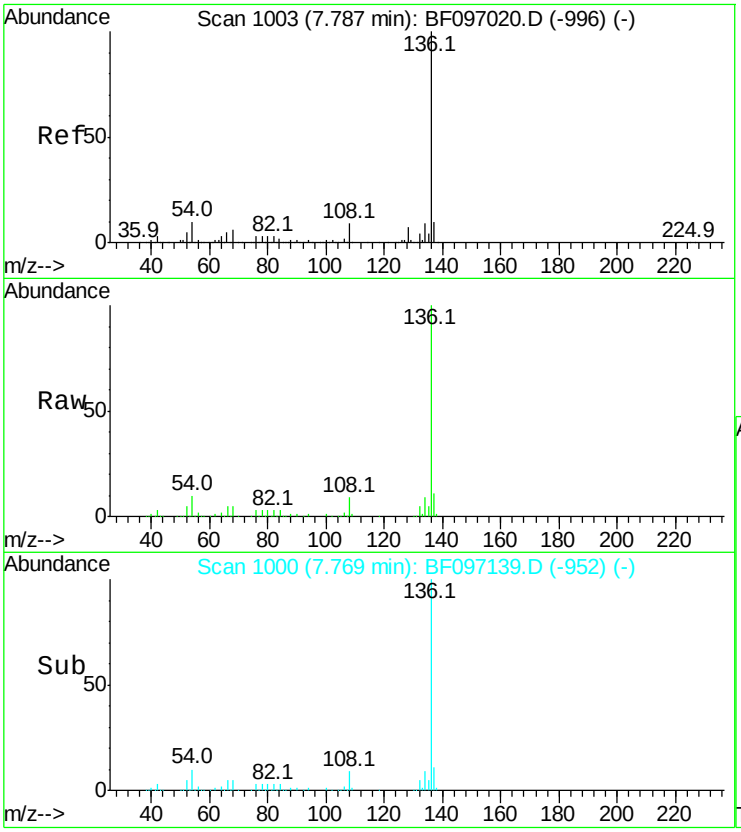


#10
Phenol
Concen: 2.207 ng
RT: 6.16 min Scan# 726
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion: 94 Resp: 11953

Ion	Ratio	Lower	Upper
94	100		
65	32.3	9.9	49.9
66	59.8	23.1	63.1

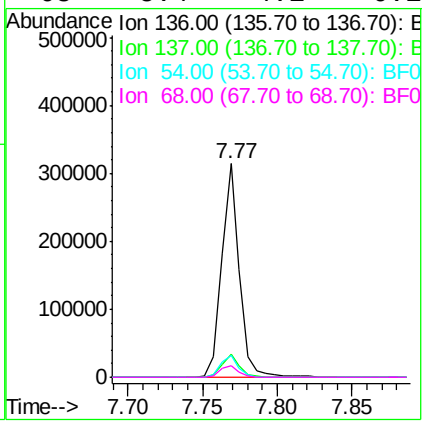




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.77 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion:136 Resp: 262826

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	10.4	4.9	7.3#
68	5.4	4.1	6.1



Instrument :
BNA_F
ClientSampleId :
AU-06-072417-D

Manual Integrations APPROVED
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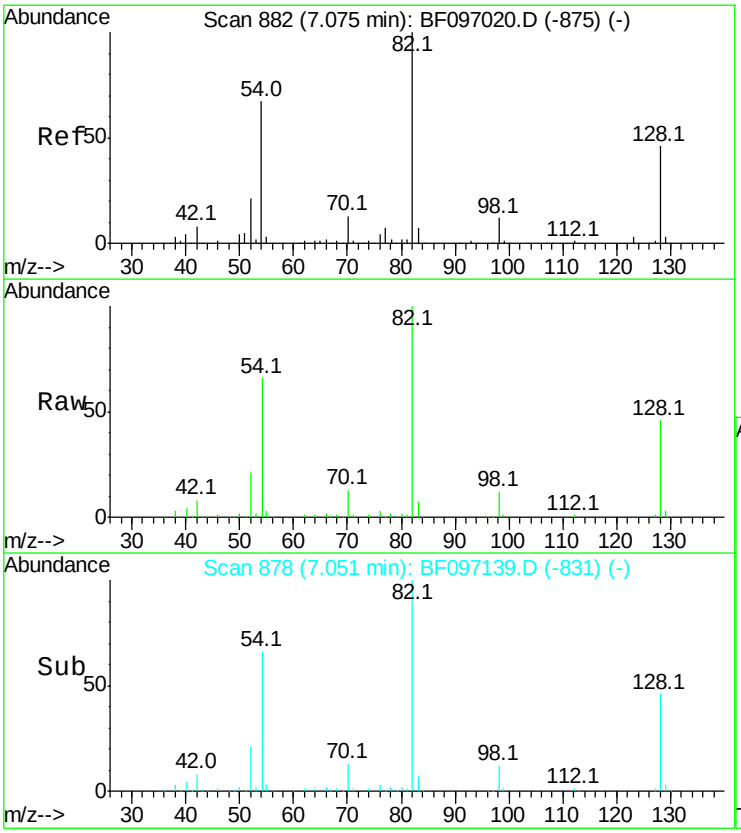
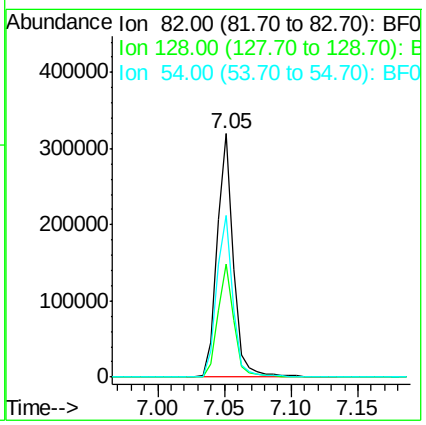
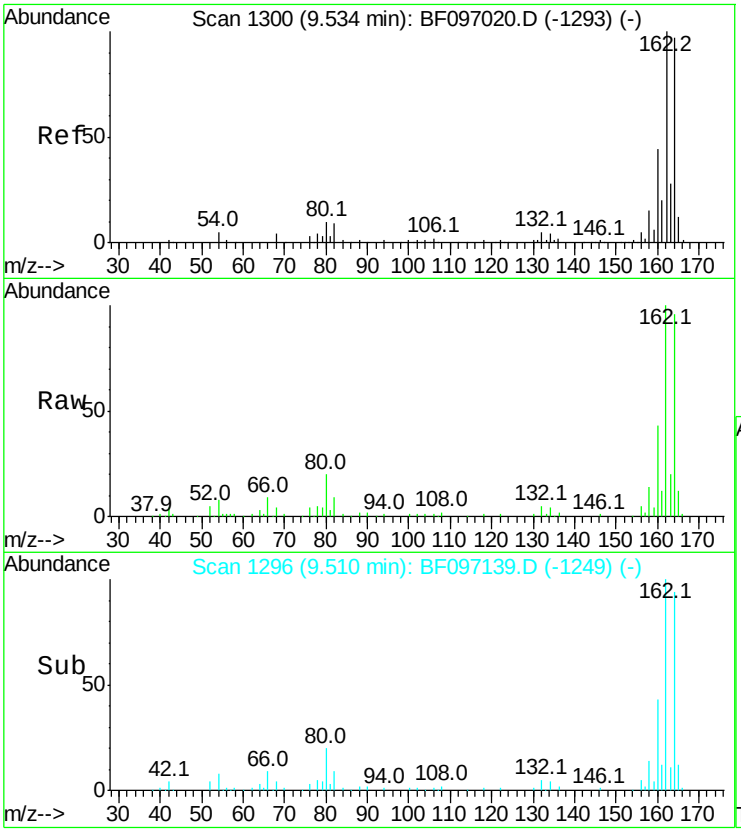


#23
Nitrobenzene-d5
Concen: 61.571 ng
RT: 7.05 min Scan# 878
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion: 82 Resp: 275850

Ion	Ratio	Lower	Upper
82	100		
128	46.2	34.0	51.0
54	66.2	42.2	63.2#

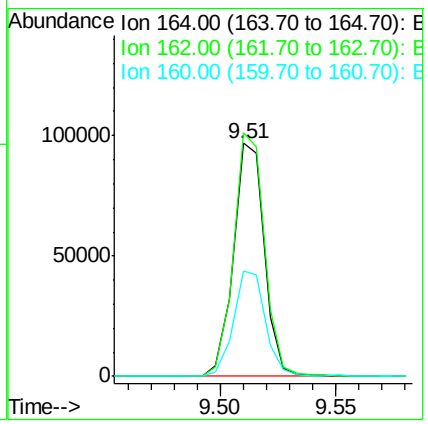




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.51 min Scan# 1296
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion:164 Resp: 90163

Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.6	123.8
160	45.1	36.2	54.2



Instrument :
BNA_F
ClientSampleId :
AU-06-072417-D

Manual Integrations APPROVED
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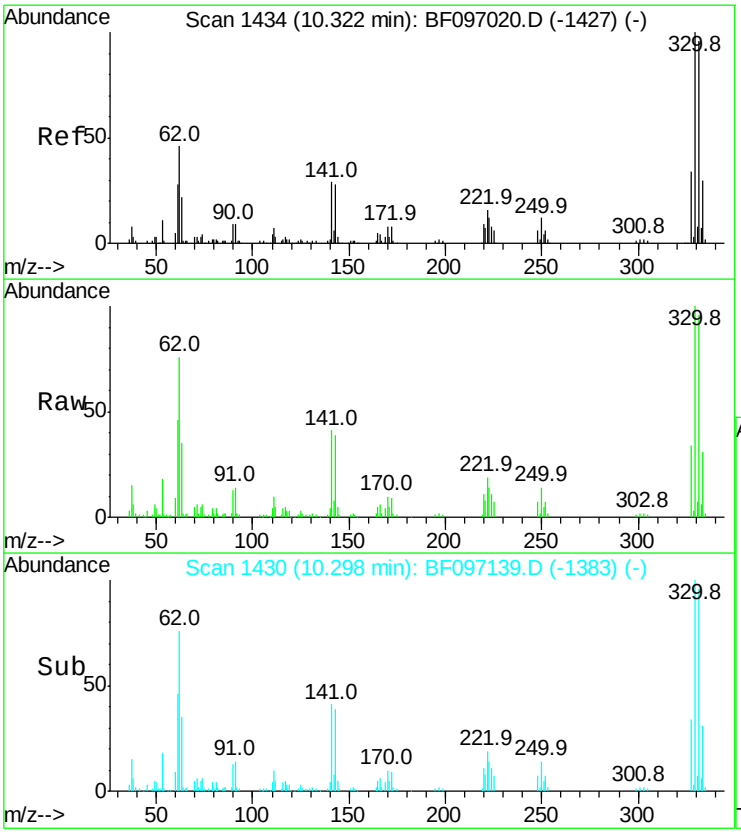
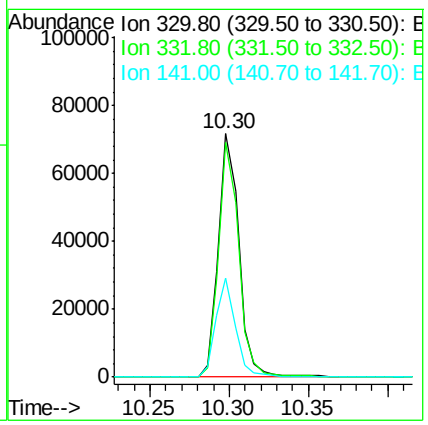
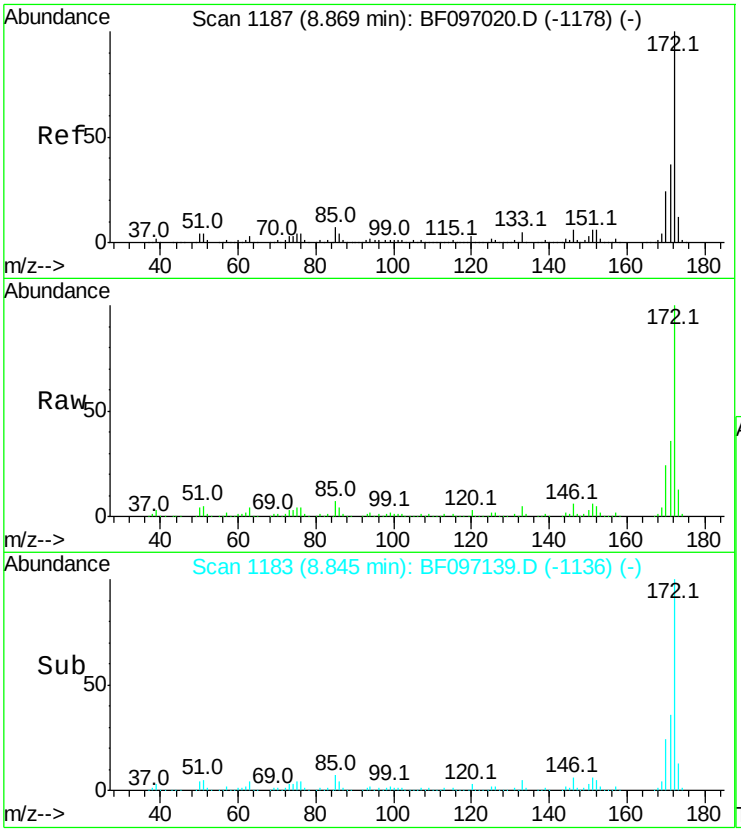


#41
2,4,6-Tribromophenol
Concen: 91.018 ng
RT: 10.30 min Scan# 1430
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion:330 Resp: 64839

Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.6	115.0
141	38.6	31.4	47.2

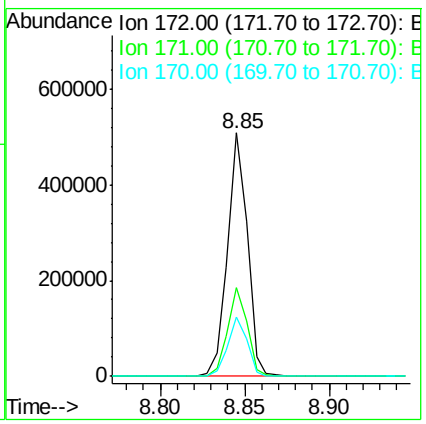




#44
2-Fluorobiphenyl
Concen: 77.959 ng
RT: 8.85 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion:172 Resp: 414178

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.2	19.8	29.8



Instrument :
BNA_F
ClientSampleId :
AU-06-072417-D

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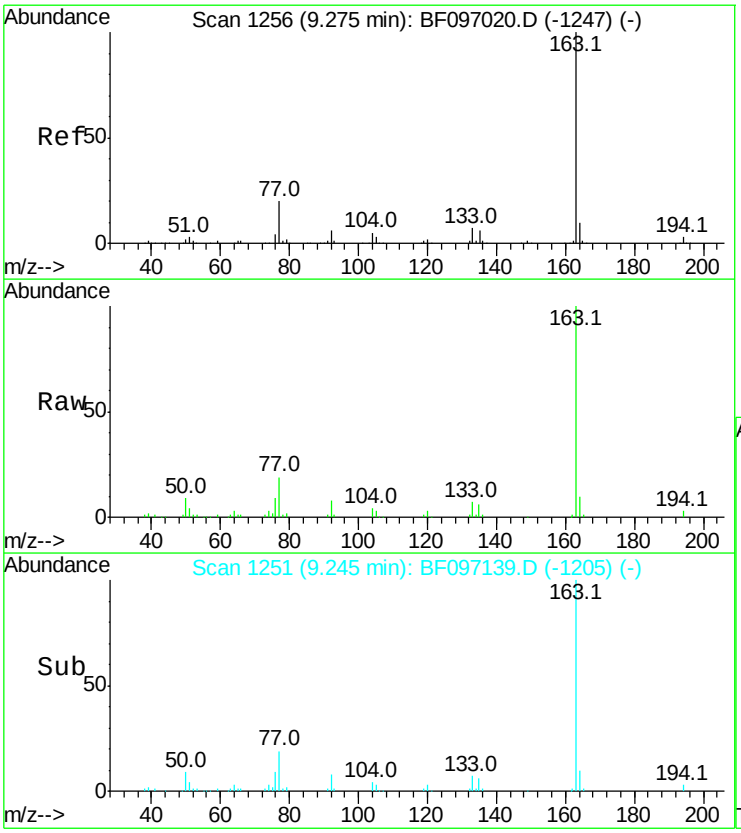
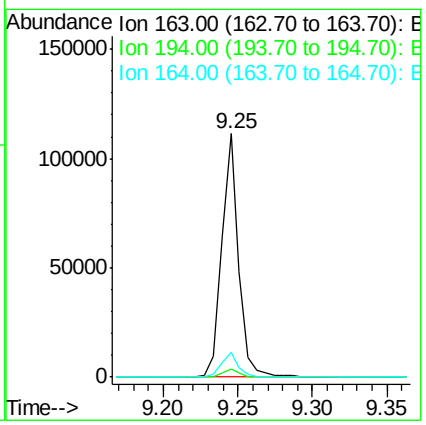
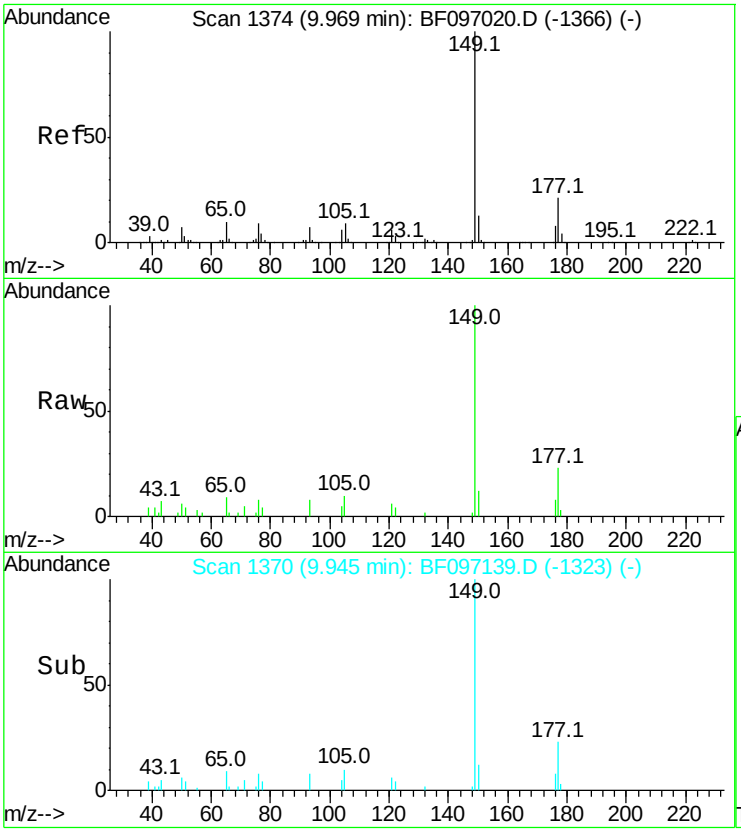


#49
Dimethylphthalate
Concen: 12.932 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion:163 Resp: 88541

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.3	8.4	12.6

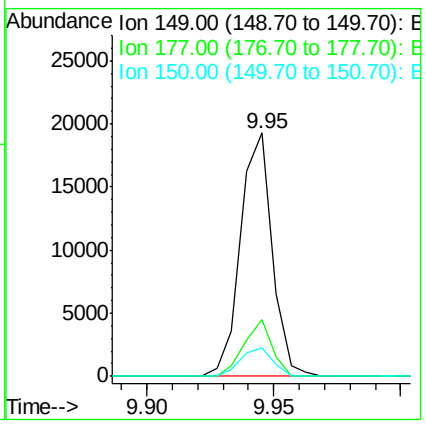




#59
Diethylphthalate
Concen: 2.670 ng
RT: 9.95 min Scan# 1370
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion:149 Resp: 16770

Ion	Ratio	Lower	Upper
149	100		
177	23.3	16.7	25.1
150	12.0	10.2	15.2



Instrument :
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ClientSampleId :
AU-06-072417-D

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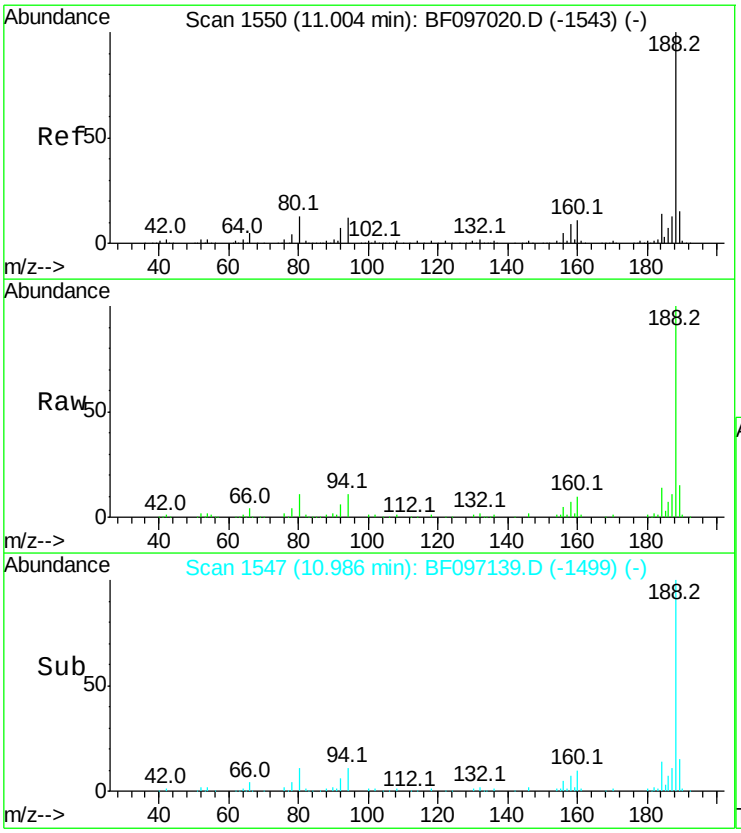
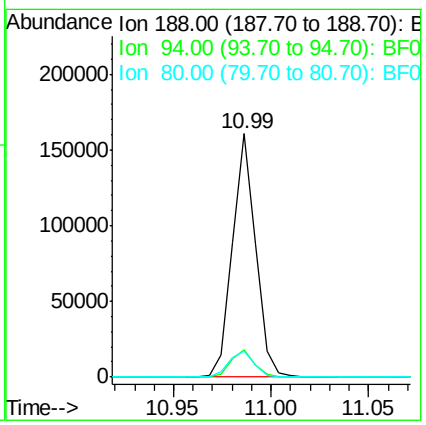
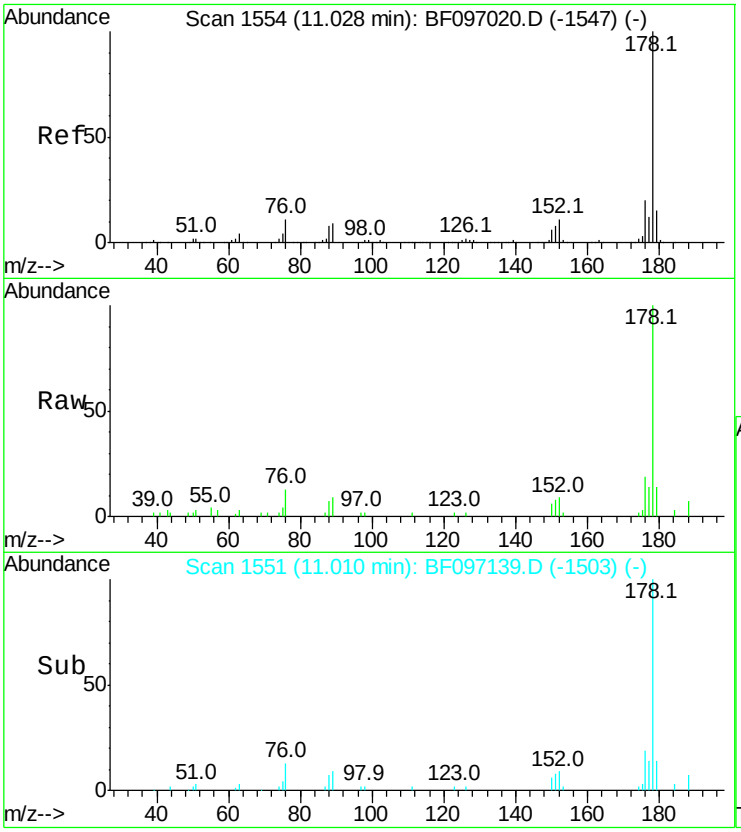


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.99 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion:188 Resp: 132406

Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.4	14.2
80	10.9	10.2	15.2

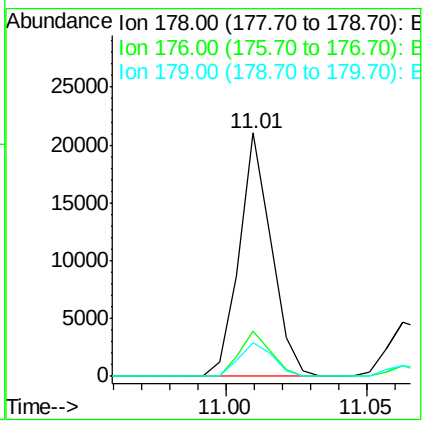




#70
Phenanthrene
Concen: 2.345 ng
RT: 11.01 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion:178 Resp: 16637

Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.4
179	13.9	12.6	19.0



Instrument :
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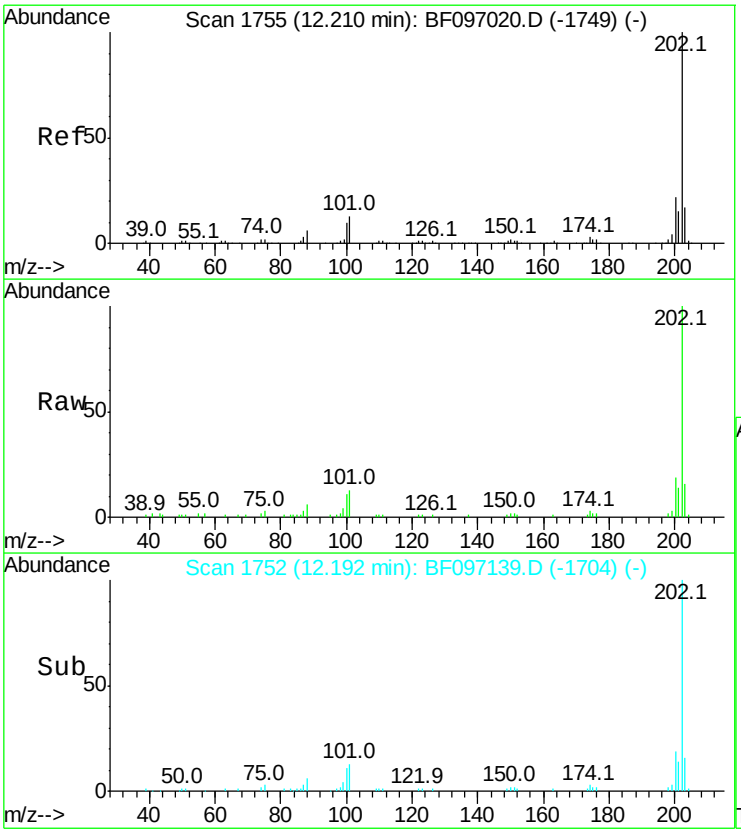
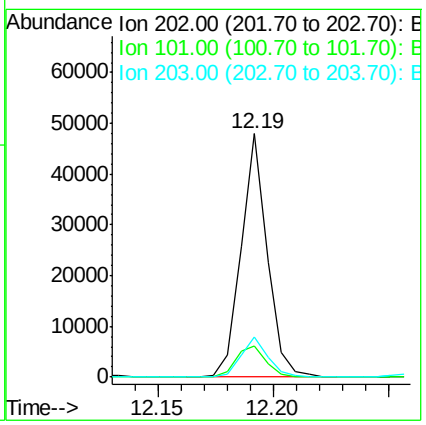
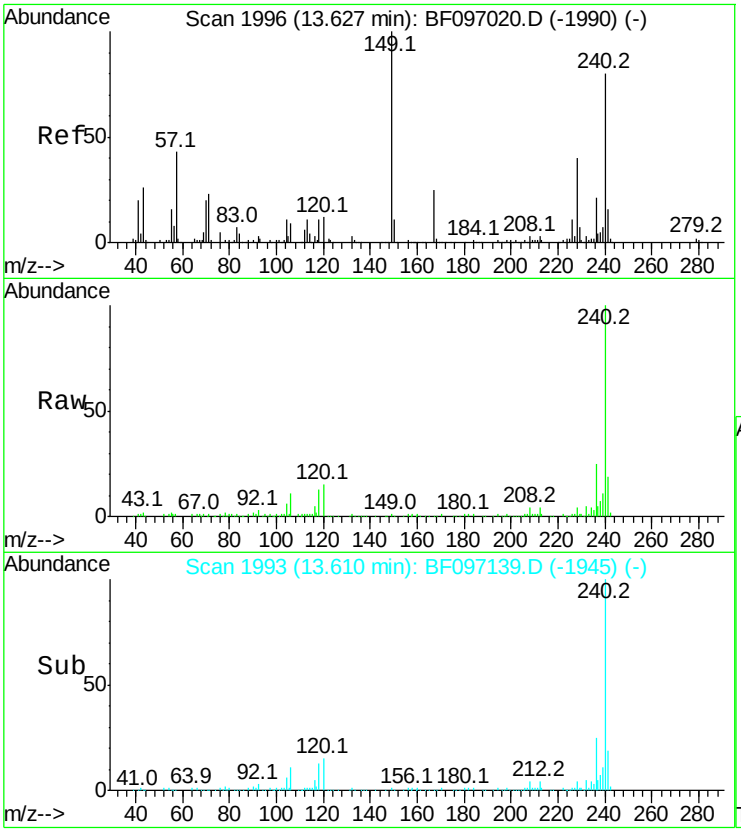


#74
Fluoranthene
Concen: 5.446 ng
RT: 12.19 min Scan# 1752
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion:202 Resp: 37851

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	16.3	0.0	38.1

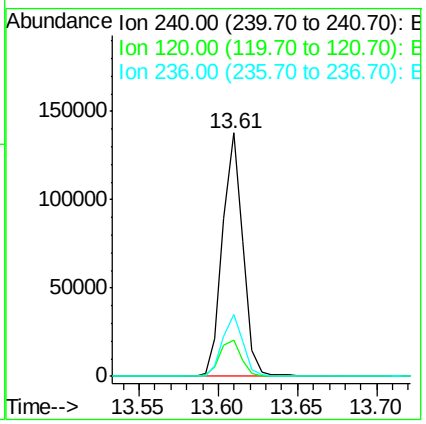




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.61 min Scan# 1993
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

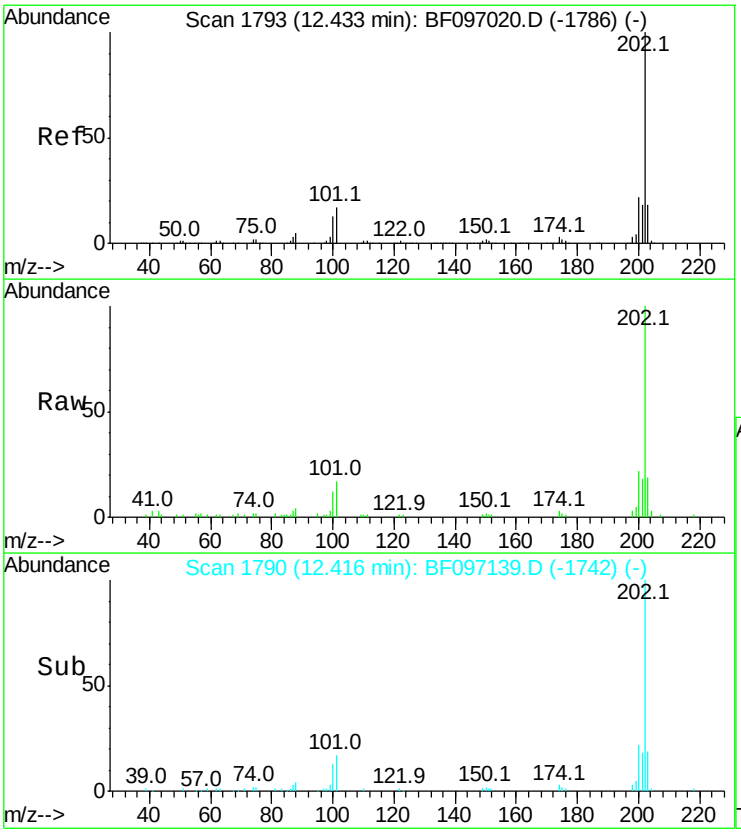
Tgt Ion:240 Resp: 122559

Ion	Ratio	Lower	Upper
240	100		
120	15.0	5.8	8.8#
236	25.4	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
AU-06-072417-D

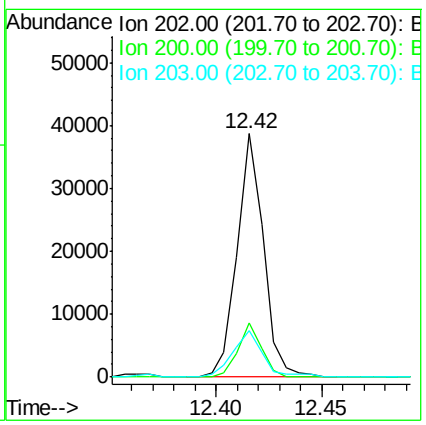
Manual Integrations APPROVED
Sohil
7/28/2017 4:46:51 PM

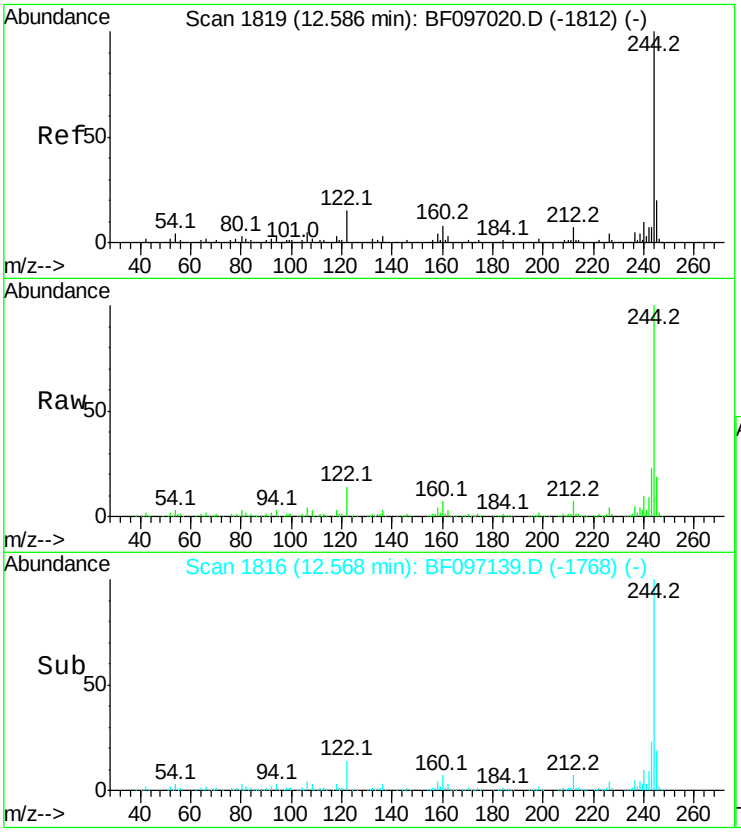


#77
Pyrene
Concen: 3.329 ng
RT: 12.42 min Scan# 1790
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion:202 Resp: 33397

Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.6	26.4
203	18.9	14.4	21.6

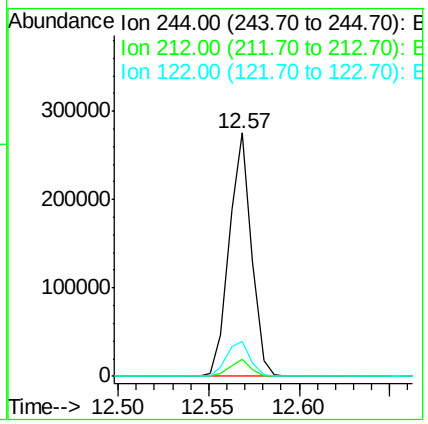




#78
Terphenyl-d14
Concen: 39.061 ng
RT: 12.57 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion:244 Resp: 234801

Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	14.1	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
AU-06-072417-D

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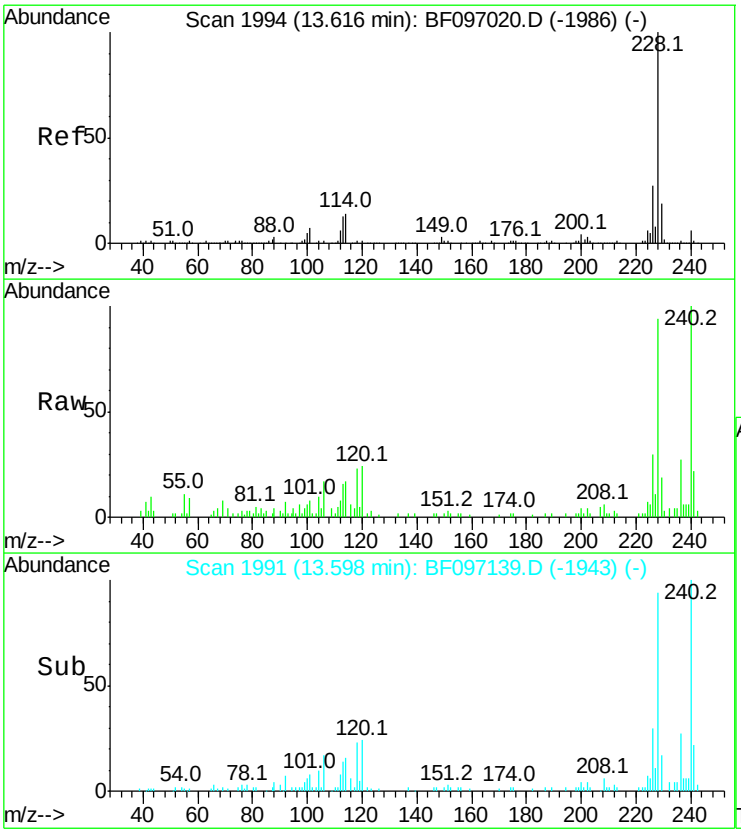
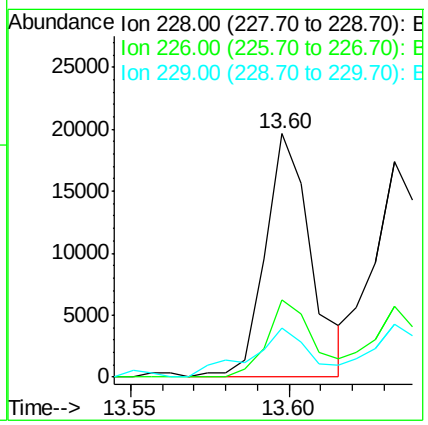
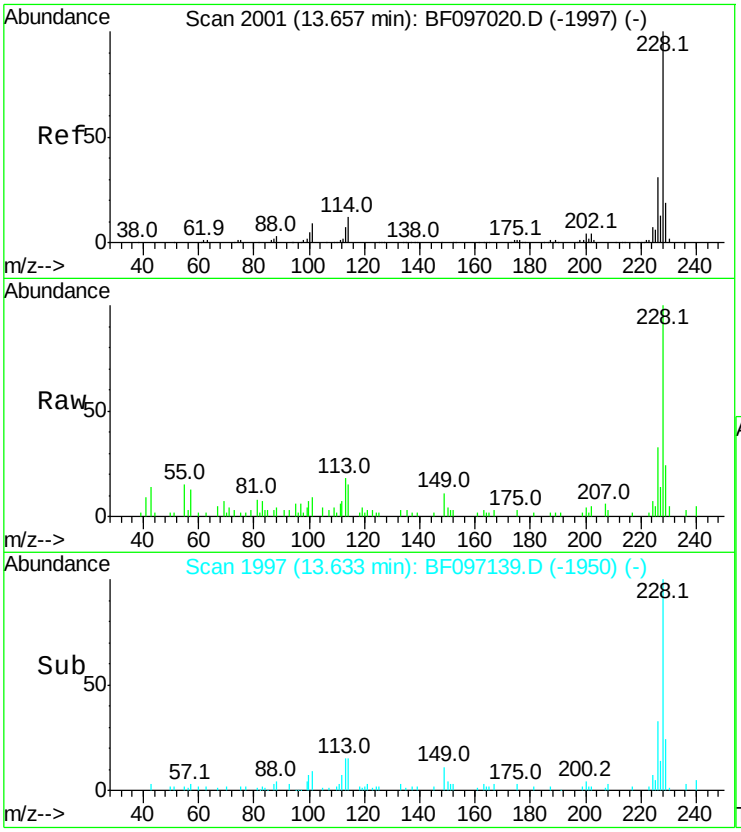


#80
Benzo(a)anthracene
Concen: 2.499 ng
RT: 13.60 min Scan# 1991
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion:228 Resp: 19818

Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.6	33.8
229	20.0	16.3	24.5

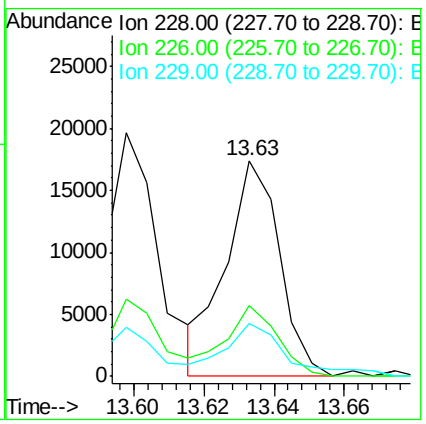




#82
Chrysene
Concen: 2.371 ng m
RT: 13.63 min Scan# 1997
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

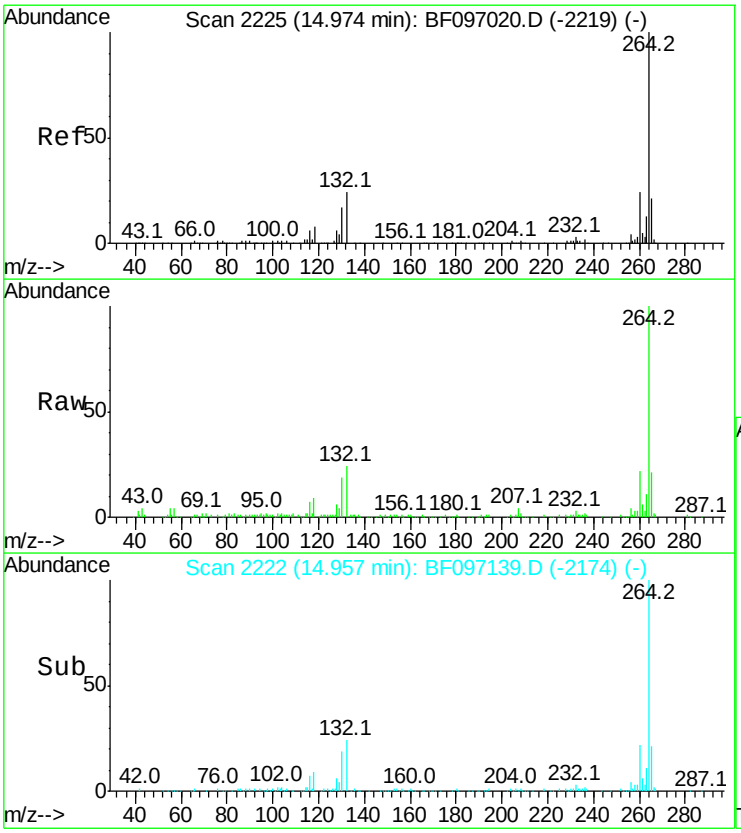
Tgt Ion:228 Resp: 18361

Ion	Ratio	Lower	Upper
228	100		
226	32.8	24.9	37.3
229	24.4	15.8	23.6#



Instrument :
BNA_F
ClientSampleId :
AU-06-072417-D

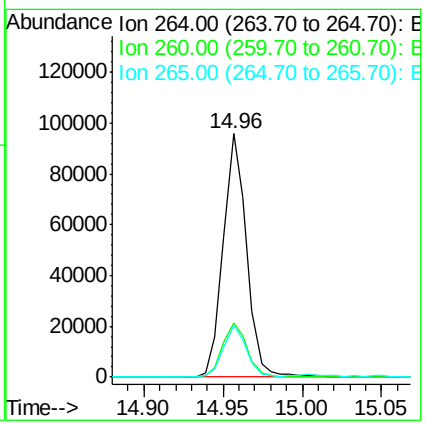
Manual Integrations APPROVED
Sohil
7/28/2017 4:46:51 PM

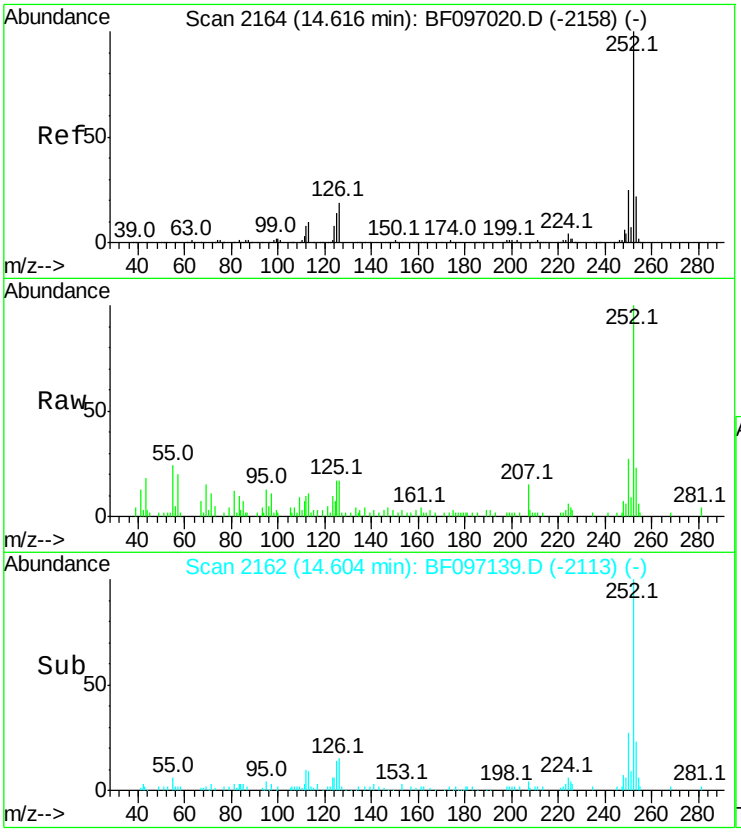


#86
Perylene-d12
Concen: 20.000 ng
RT: 14.96 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion:264 Resp: 97622

Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.5	29.3
265	21.3	17.2	25.8

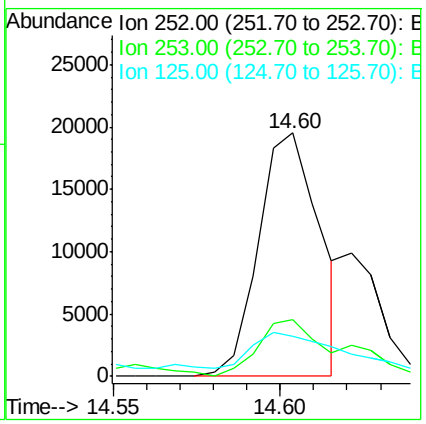




#87
Benzo(b)fluoranthene
Concen: 4.266 ng m
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

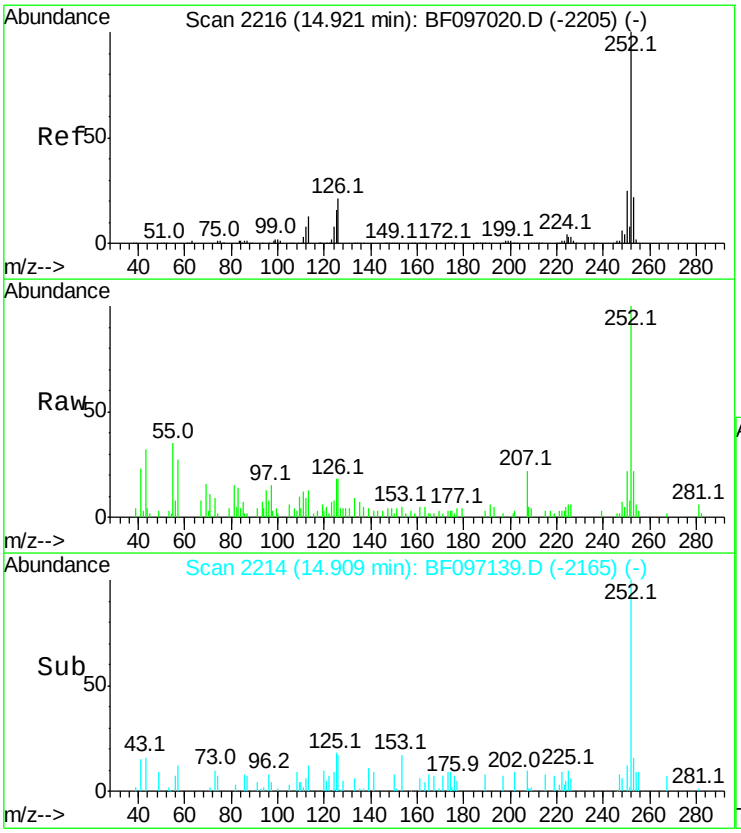
Tgt Ion:252 Resp: 25032

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	16.7	9.8	14.8#



Instrument :
BNA_F
ClientSampleId :
AU-06-072417-D

Manual Integrations APPROVED
Sohil
7/28/2017 4:46:51 PM



#89
Benzo(a)pyrene
Concen: 3.056 ng
RT: 14.91 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF097139.D
Acq: 27 Jul 2017 23:01

Tgt Ion:252 Resp: 16415

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	17.6	11.0	16.4#