Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053017\
Data File : BF095532.D
Acq On : 30 May 2017 13:27
Operator : SJ/MA
Sample : I3281-09
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-2

Manual Integrations APPROVED
mohammad
5/31/2017 5:02:16 PM

Quant Time: May 31 02:10:51 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 26 16:50:16 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	96089	20.00	ng	0.00
21) Naphthalene-d8	9.76	136	402809	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	188912	20.00	ng	0.00
63) Phenanthrene-d10	14.99	188	343771	20.00	ng	0.00
75) Chrysene-d12	18.67	240	253431	20.00	ng	0.00
86) Perylene-d12	20.35	264	183671	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	850898	147.64	ng	0.00
7) Phenol-d6	7.28	99	1054368	152.47	ng	-0.01
23) Nitrobenzene-d5	8.64	82	608581	95.27	ng	-0.01
41) 2,4,6-Tribromophenol	13.89	330	224244	144.94	ng	-0.01
44) 2-Fluorobiphenyl	11.53	172	1149753	87.60	ng	0.00
78) Terphenyl-d14	17.31	244	874083	75.97	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	12.23	163	291675	18.81	ng	100
70) Phenanthrene	15.04	178	52046	2.63	ng	98
74) Fluoranthene	16.78	202	103975	5.13	ng	99
77) Pyrene	17.09	202	92922	4.90	ng	98
80) Benzo(a)anthracene	18.66	228	38375	2.60	ng	96
82) Chrysene	18.71	228	43867m	3.08	ng	
87) Benzo(b)fluoranthene	19.95	252	36479m	3.21	ng	
89) Benzo(a)pyrene	20.30	252	27854	2.66	ng	96
91) Benzo(g,h,i)perylene	22.11	276	18378	2.17	ng	92

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

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BNA_F
ClientSampleId :
DUP-2

Manual Integrations APPROVED
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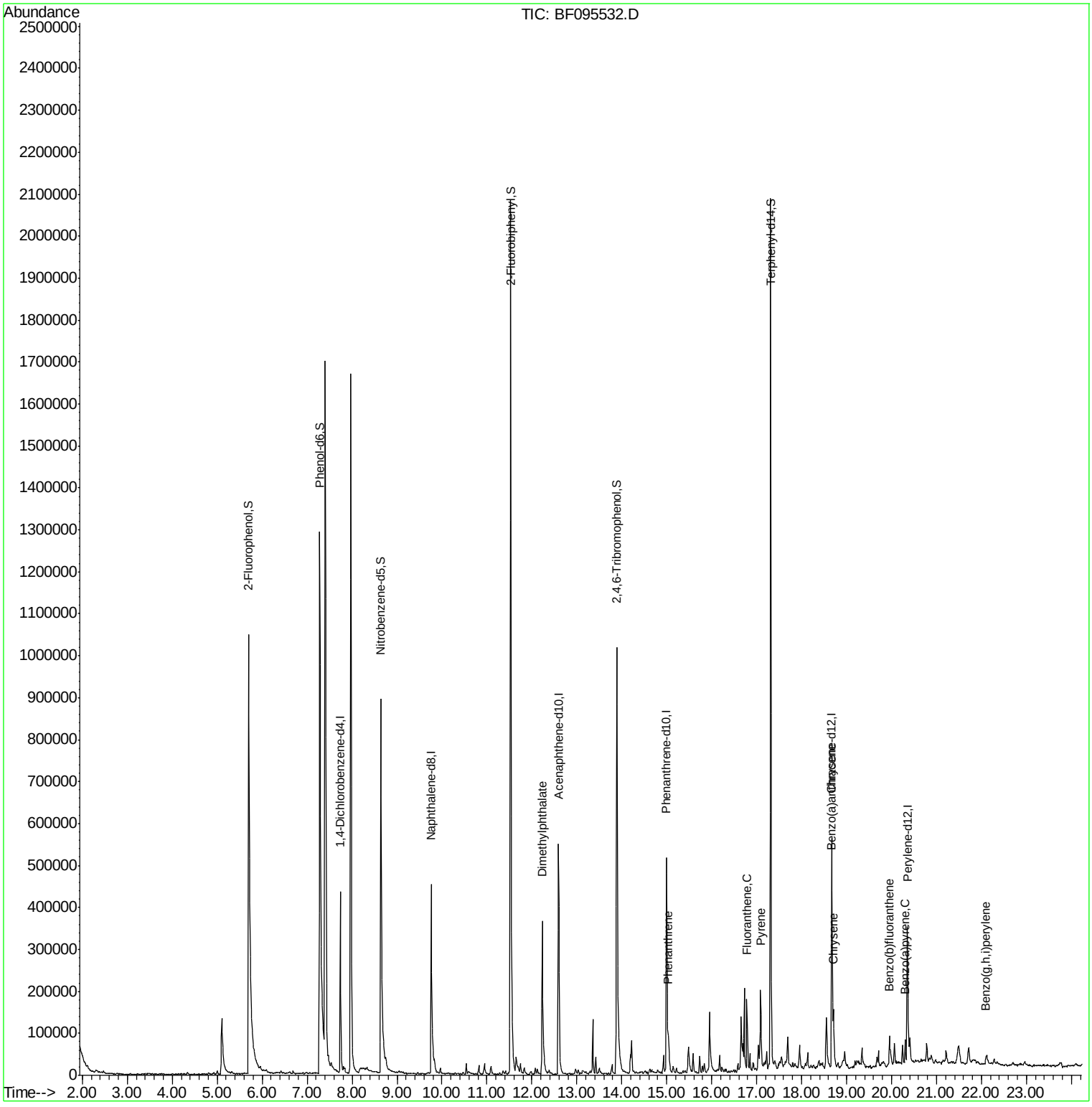
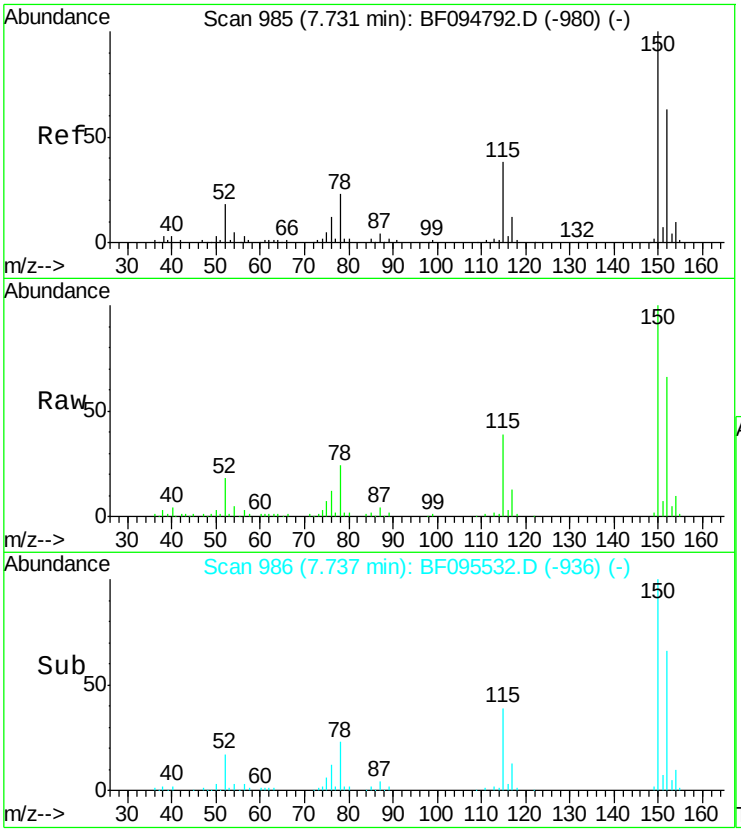
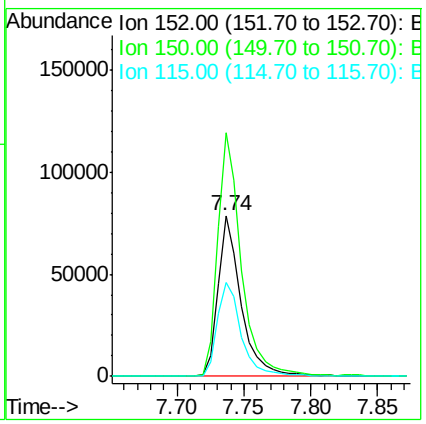




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095532.D
Acq: 30 May 2017 13:27

Tgt Ion:152 Resp: 96089

Ion	Ratio	Lower	Upper
152	100		
150	151.3	126.2	189.2
115	58.4	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
DUP-2

Manual Integrations APPROVED
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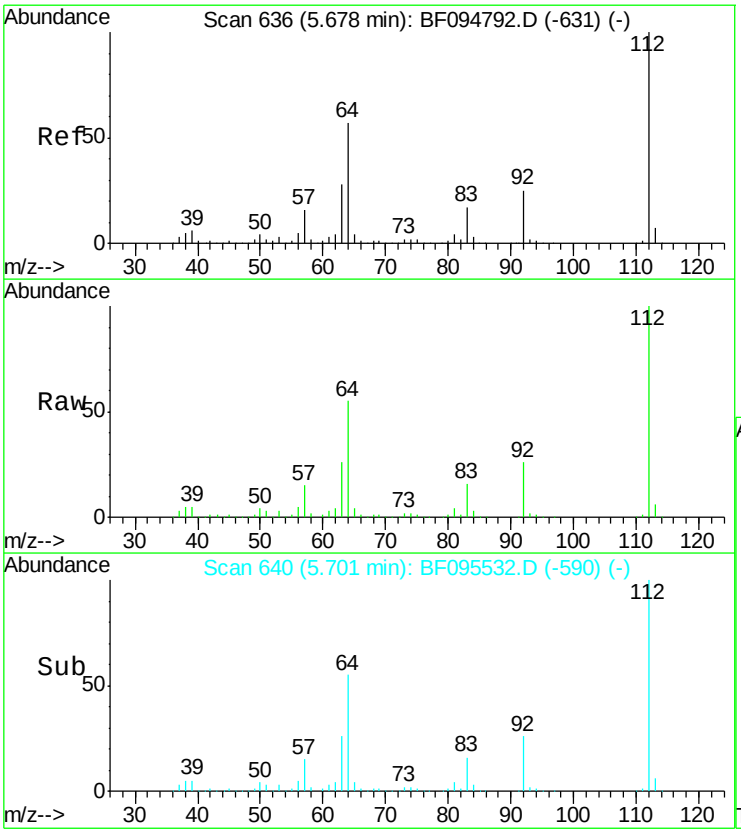
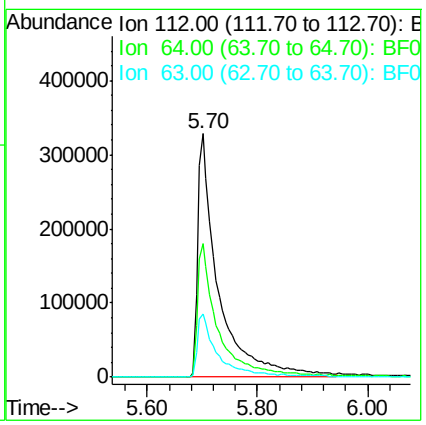
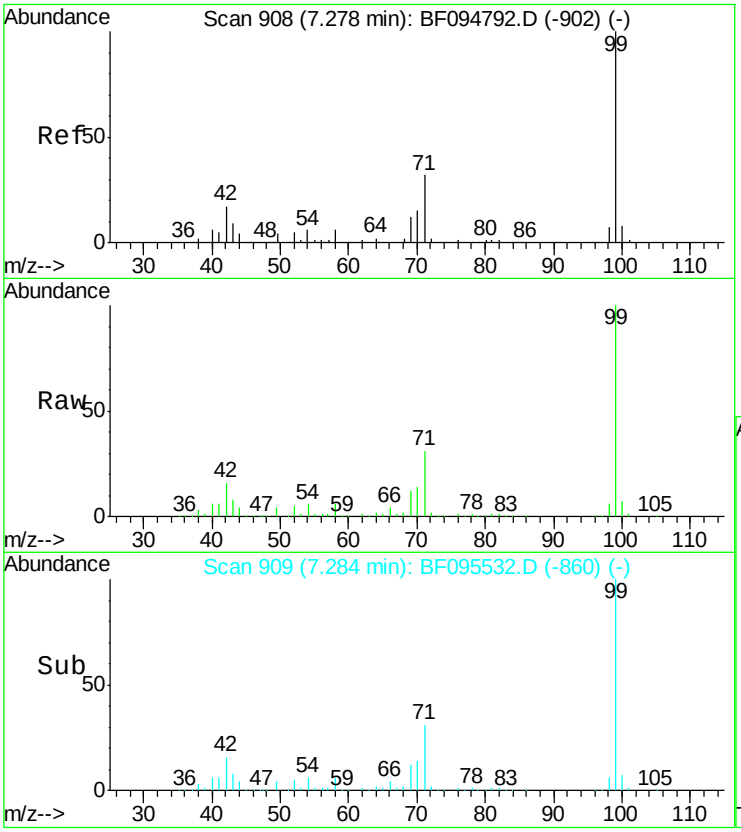


#5
2-Fluorophenol
Concen: 147.64 ng
RT: 5.70 min Scan# 640
Delta R.T. -0.01 min
Lab File: BF095532.D
Acq: 30 May 2017 13:27

Tgt Ion:112 Resp: 850898

Ion	Ratio	Lower	Upper
112	100		
64	54.7	46.0	69.0
63	26.1	23.4	35.0

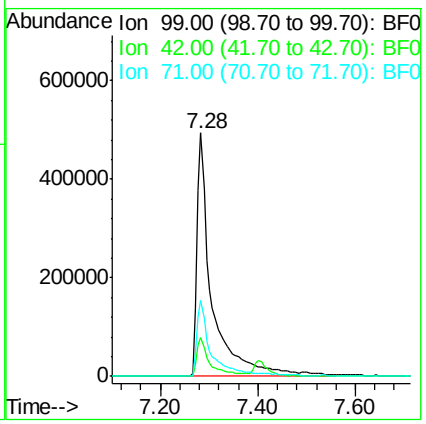




#7
Phenol-d6
Concen: 152.47 ng
RT: 7.28 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF095532.D
Acq: 30 May 2017 13:27

Tgt Ion: 99 Resp: 1054368

Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.5	20.3
71	31.4	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
DUP-2

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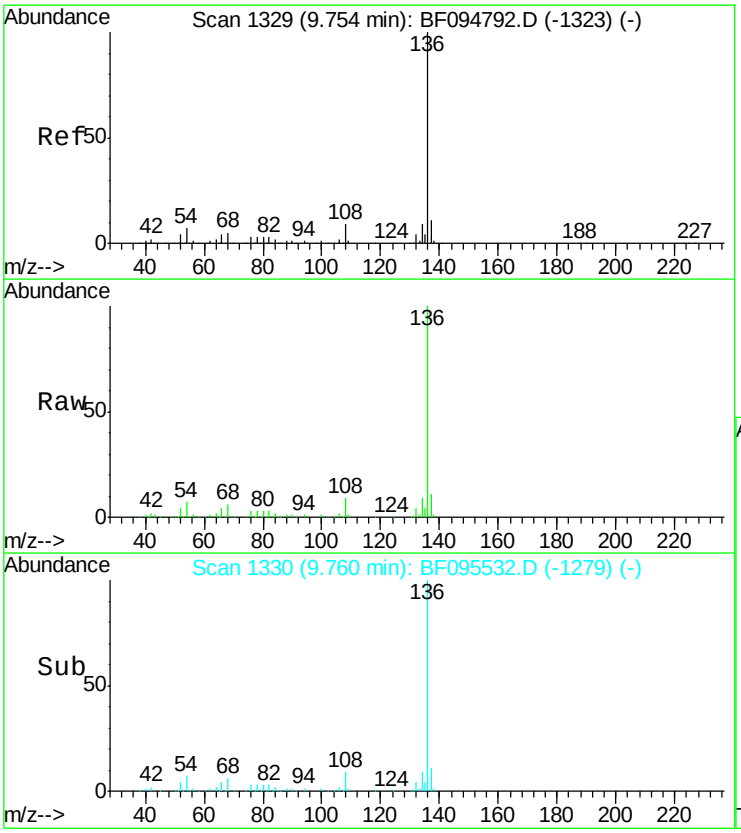
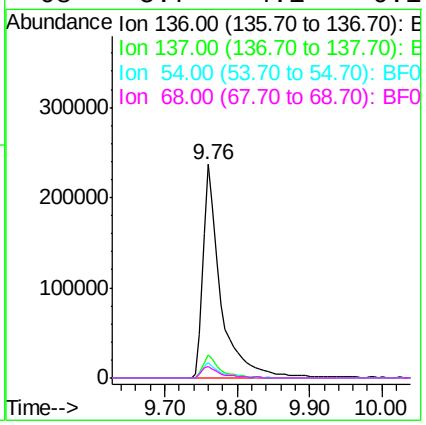
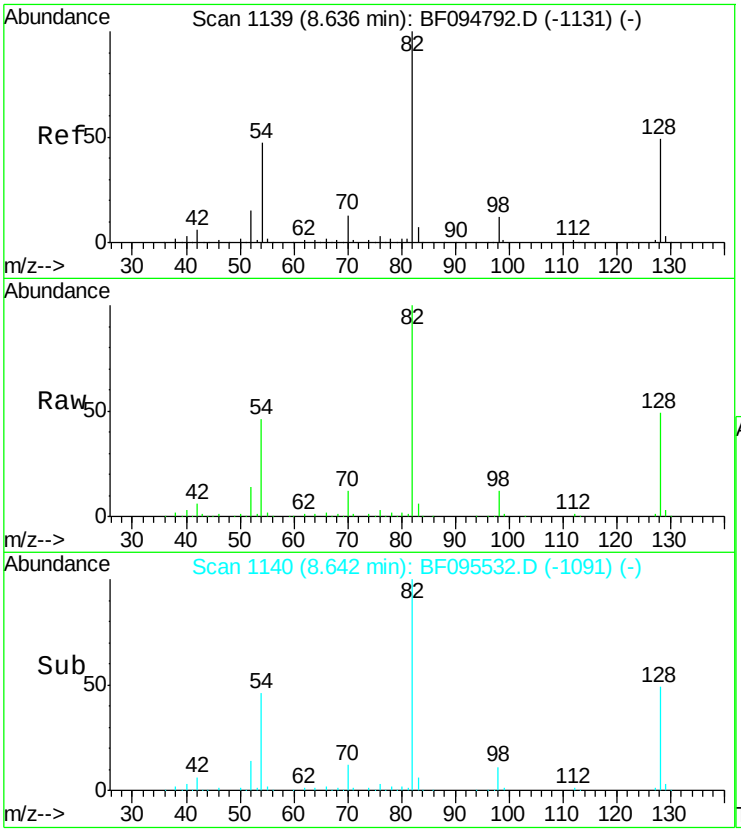


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.76 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BF095532.D
Acq: 30 May 2017 13:27

Tgt Ion:136 Resp: 402809

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	7.4	4.9	7.3#
68	5.7	4.1	6.1

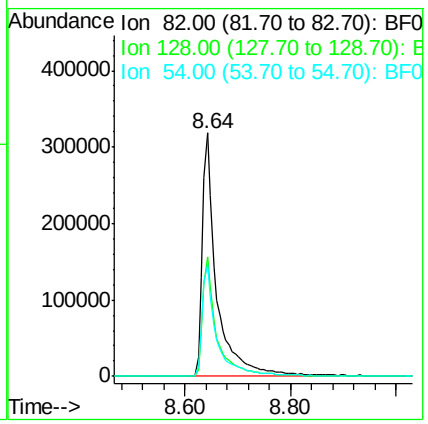




#23
Nitrobenzene-d5
Concen: 95.27 ng
RT: 8.64 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF095532.D
Acq: 30 May 2017 13:27

Tgt Ion: 82 Resp: 608581

Ion	Ratio	Lower	Upper
82	100		
128	48.8	34.0	51.0
54	45.8	42.2	63.2



Instrument :
BNA_F
ClientSampleId :
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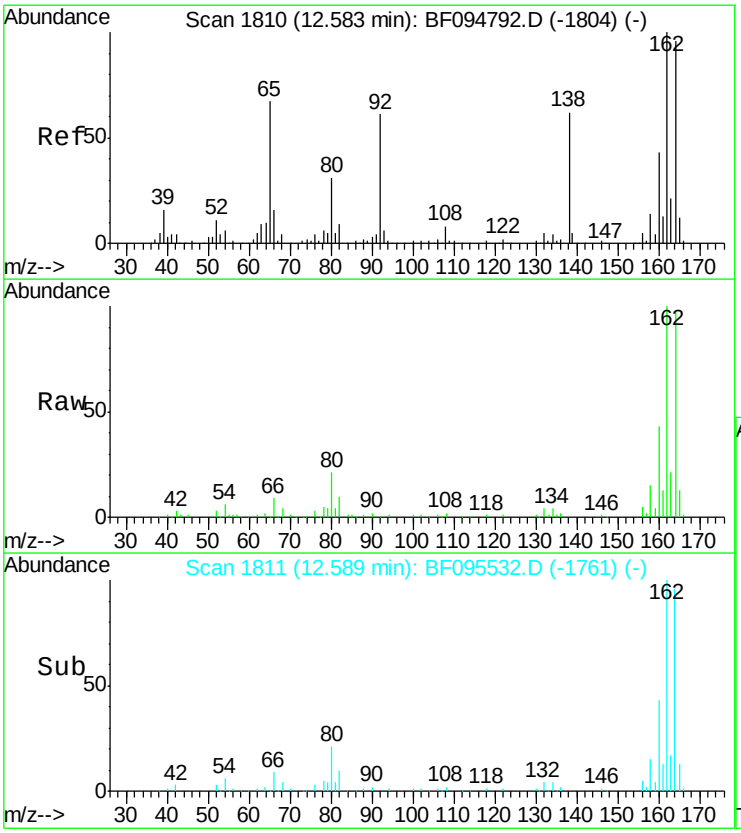
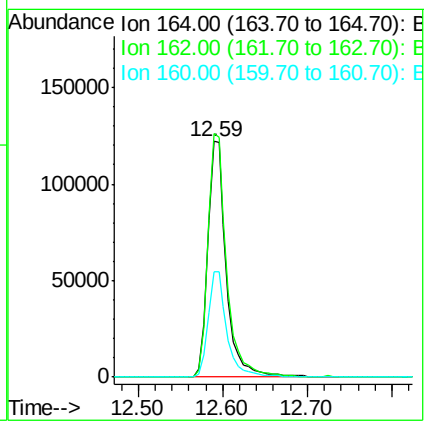
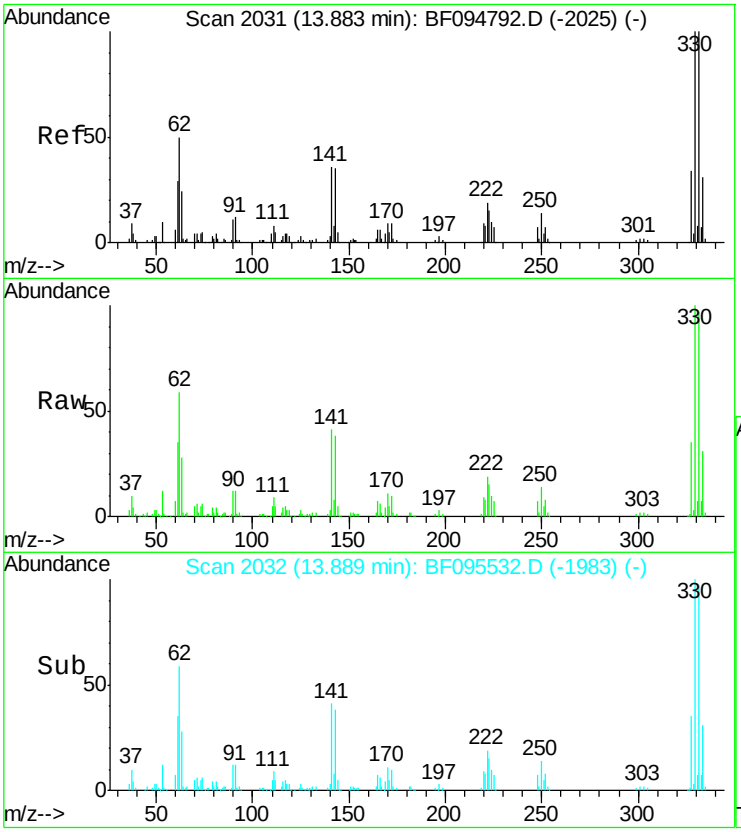


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.59 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF095532.D
Acq: 30 May 2017 13:27

Tgt Ion:164 Resp: 188912

Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.6	123.8
160	44.8	36.2	54.2

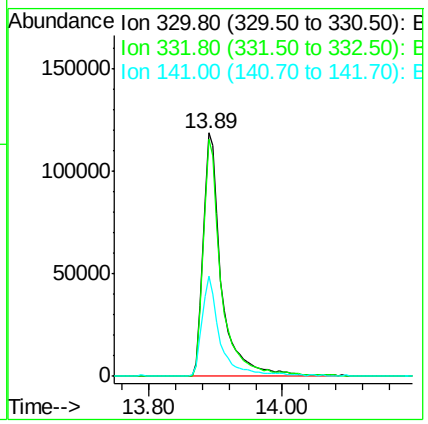




#41
2,4,6-Tribromophenol
Concen: 144.94 ng
RT: 13.89 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF095532.D
Acq: 30 May 2017 13:27

Tgt Ion:330 Resp: 224244

Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.6	115.0
141	40.6	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
DUP-2

Manual Integrations APPROVED
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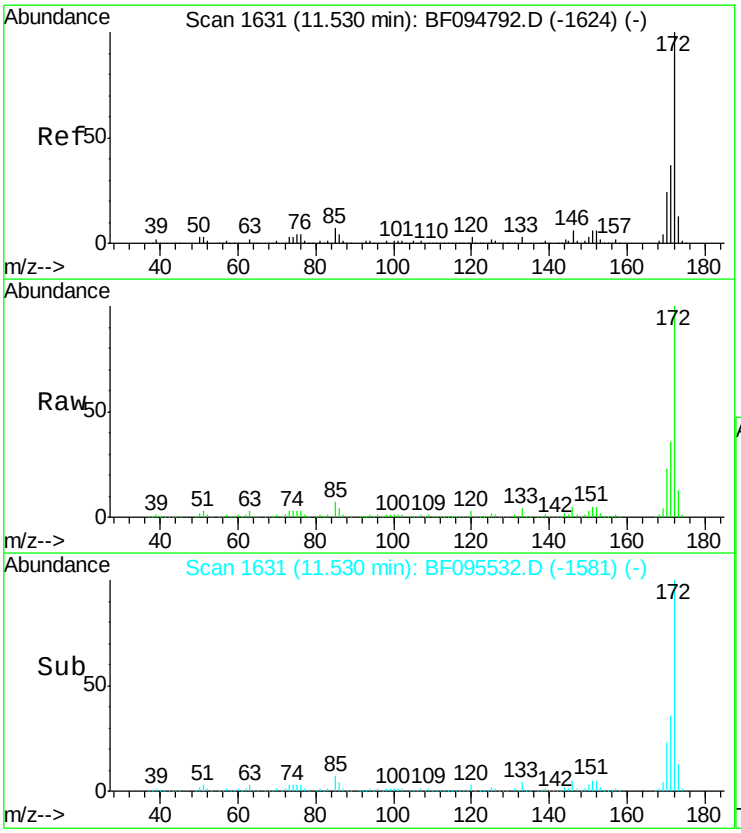
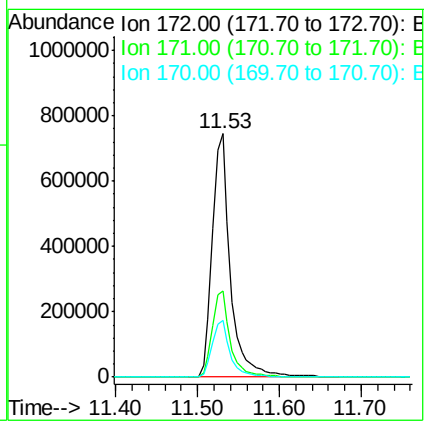
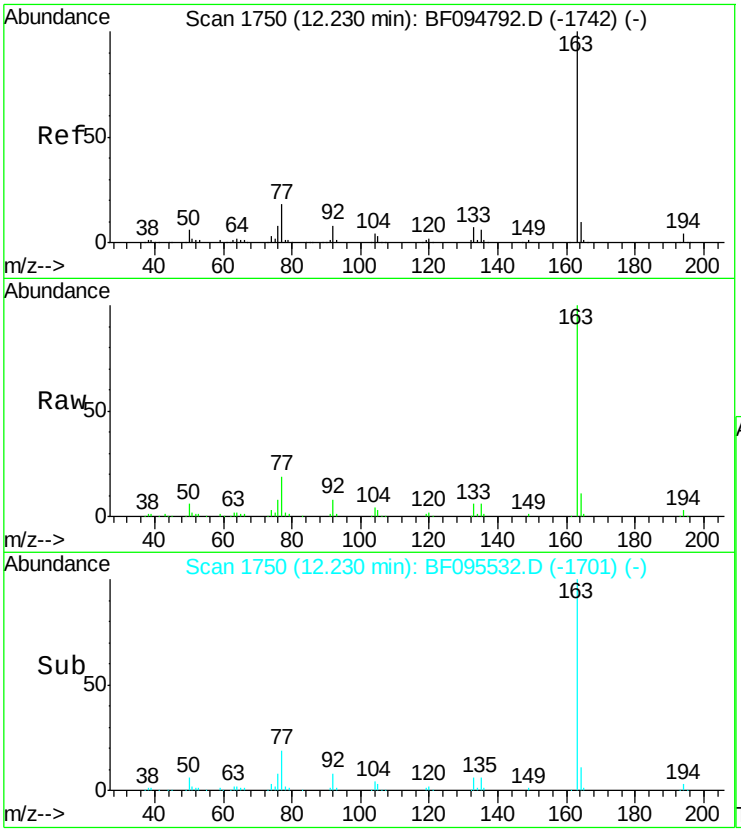


#44
2-Fluorobiphenyl
Concen: 87.60 ng
RT: 11.53 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BF095532.D
Acq: 30 May 2017 13:27

Tgt Ion:172 Resp: 1149753

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.3	19.8	29.8

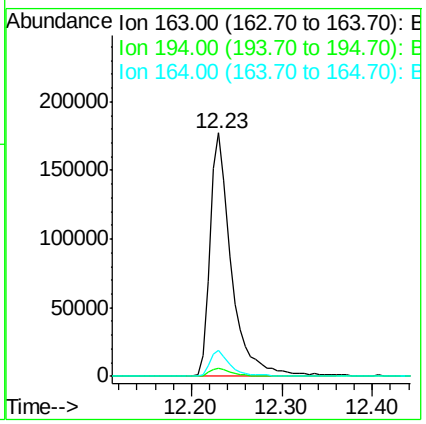




#49
Dimethylphthalate
Concen: 18.81 ng
RT: 12.23 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BF095532.D
Acq: 30 May 2017 13:27

Tgt Ion:163 Resp: 291675

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.6	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
DUP-2

Manual Integrations APPROVED
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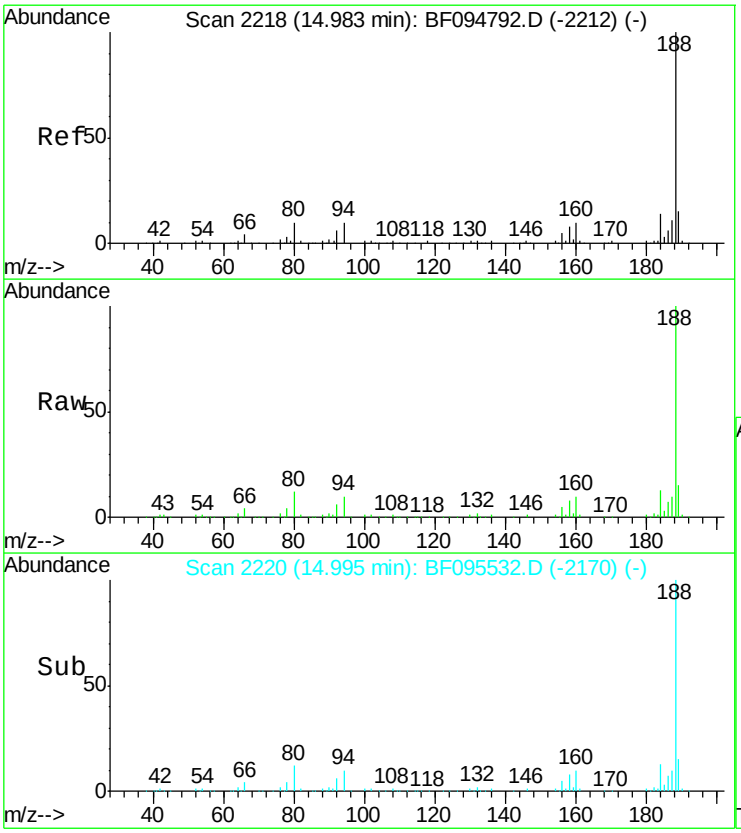
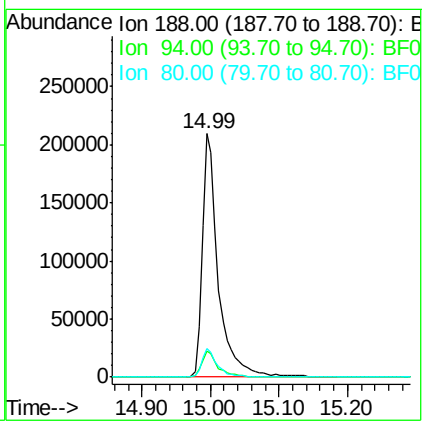
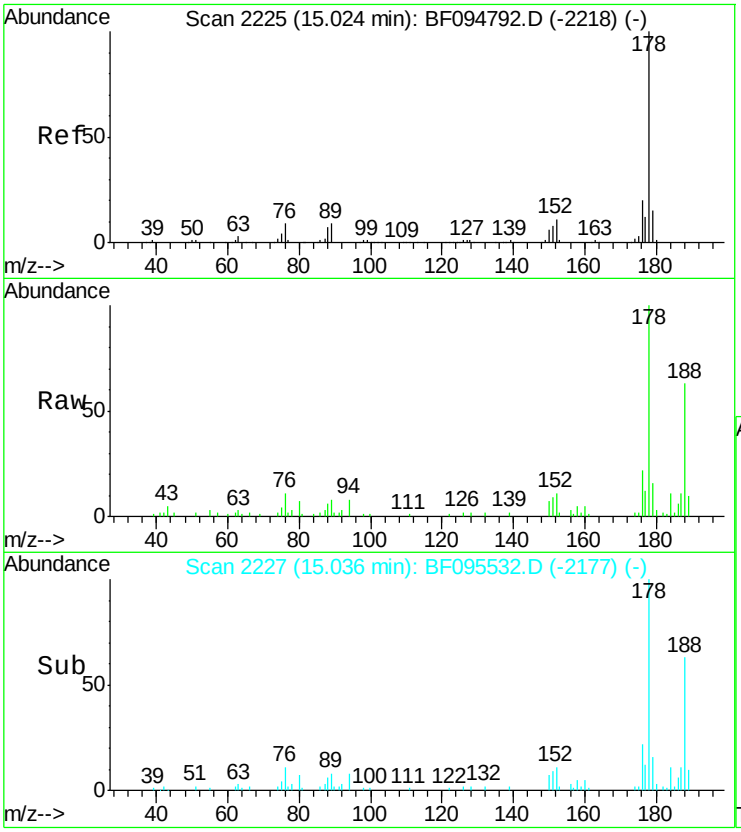


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.99 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF095532.D
Acq: 30 May 2017 13:27

Tgt Ion:188 Resp: 343771

Ion	Ratio	Lower	Upper
188	100		
94	10.5	9.4	14.2
80	12.0	10.2	15.2

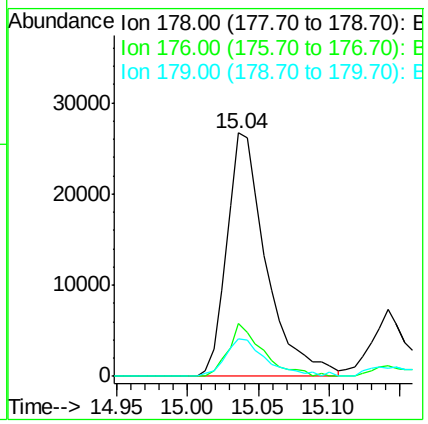




#70
Phenanthrene
Concen: 2.63 ng
RT: 15.04 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BF095532.D
Acq: 30 May 2017 13:27

Tgt Ion:178 Resp: 52046

Ion	Ratio	Lower	Upper
178	100		
176	21.8	16.2	24.4
179	15.6	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
DUP-2

Manual Integrations APPROVED
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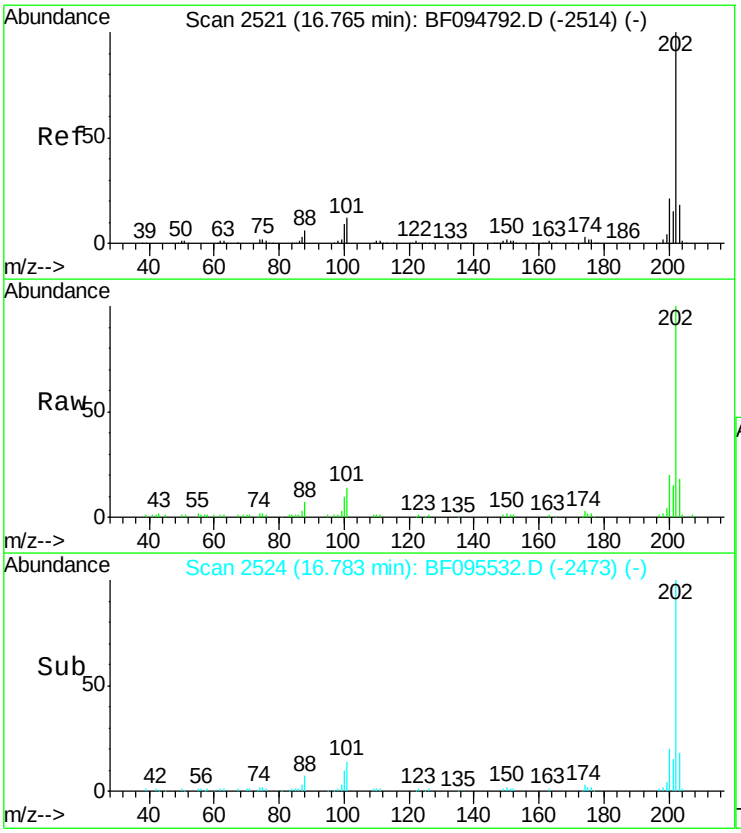
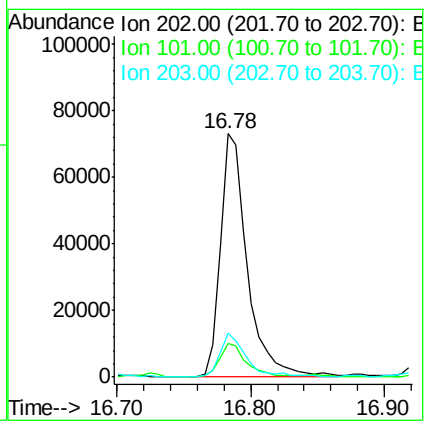
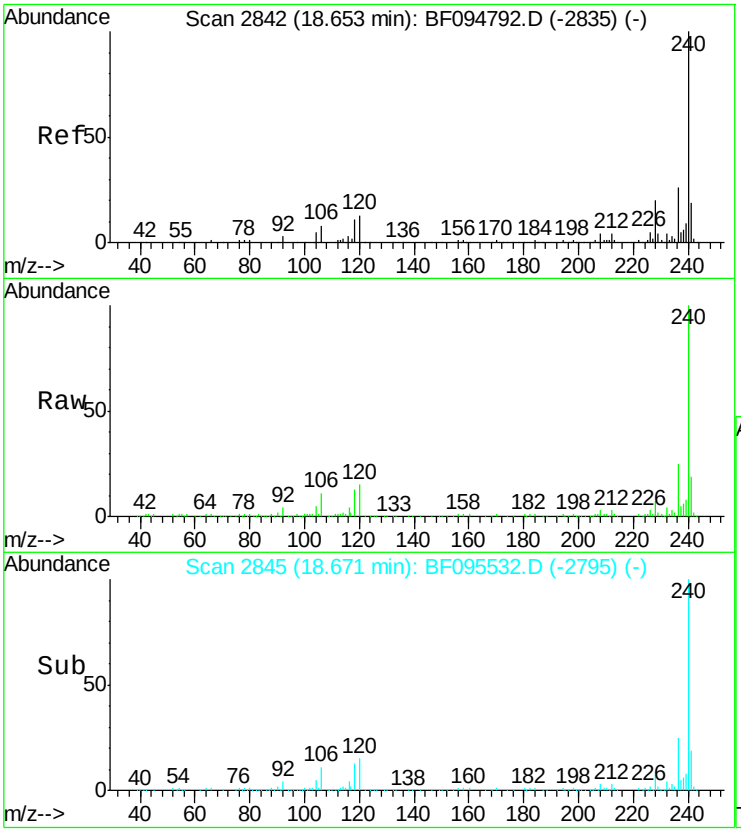


#74
Fluoranthene
Concen: 5.13 ng
RT: 16.78 min Scan# 2524
Delta R.T. 0.00 min
Lab File: BF095532.D
Acq: 30 May 2017 13:27

Tgt Ion:202 Resp: 103975

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.2
203	18.2	0.0	38.1





#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.67 min Scan# 2845
Delta R.T. -0.01 min
Lab File: BF095532.D
Acq: 30 May 2017 13:27

Tgt Ion:240 Resp: 253431

Ion	Ratio	Lower	Upper
240	100		
120	14.7	5.8	8.8#
236	24.5	20.5	30.7

Instrument :
BNA_F
ClientSampleId :
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Manual Integrations APPROVED
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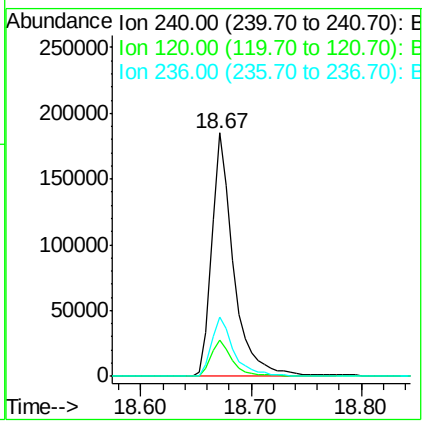
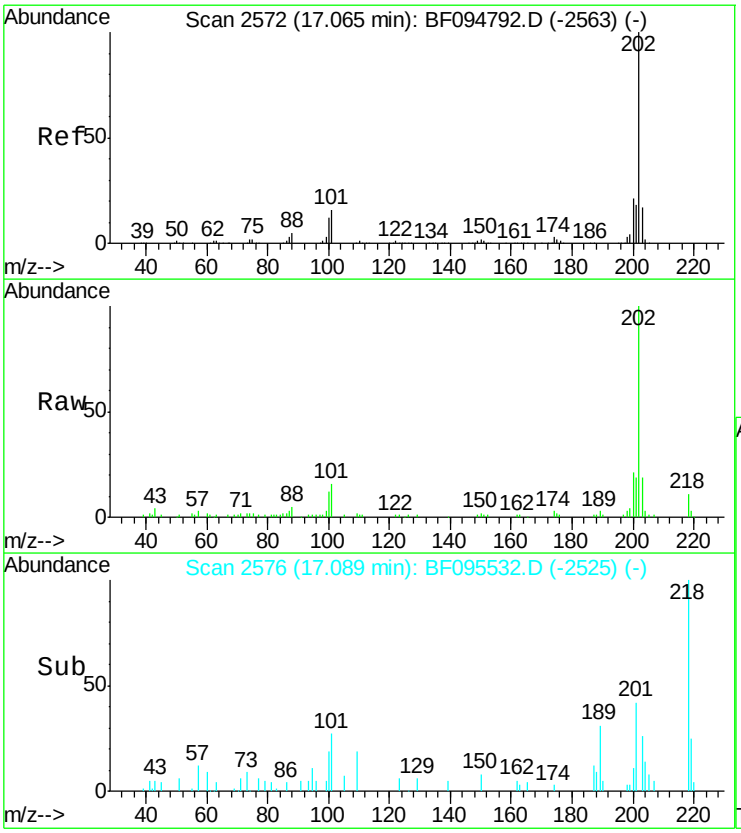
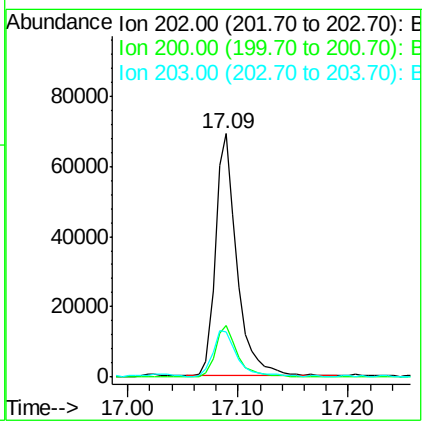


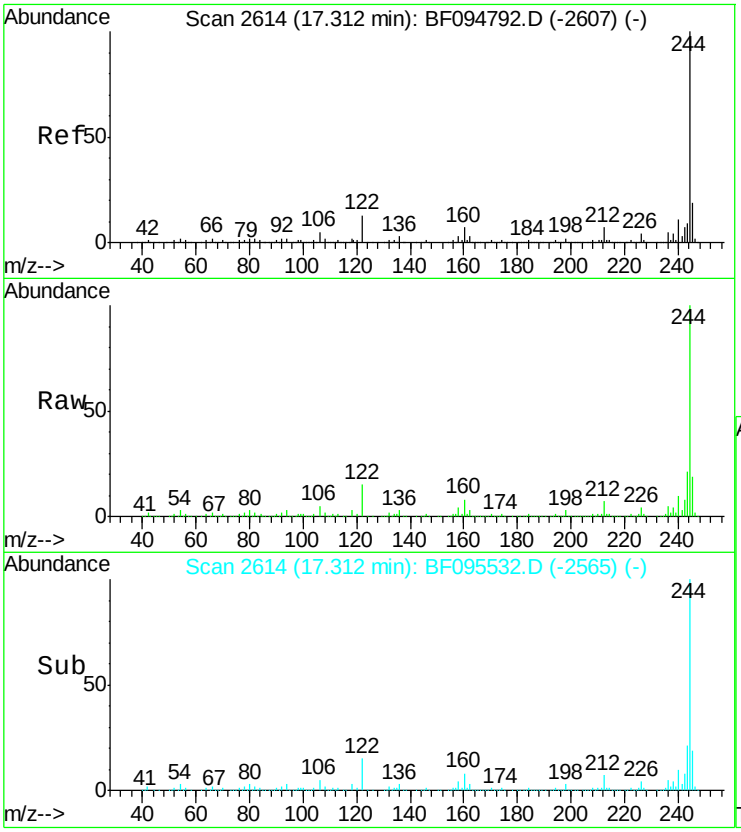


#77
Pyrene
Concen: 4.90 ng
RT: 17.09 min Scan# 2576
Delta R.T. 0.00 min
Lab File: BF095532.D
Acq: 30 May 2017 13:27

Tgt Ion:202 Resp: 92922

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	18.6	14.4	21.6





#78
Terphenyl-d14
Concen: 75.97 ng
RT: 17.31 min Scan# 2614
Delta R.T. -0.01 min
Lab File: BF095532.D
Acq: 30 May 2017 13:27

Tgt Ion:244 Resp: 874083

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	14.8	10.3	15.5

Instrument :
BNA_F
ClientSampleId :
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Manual Integrations APPROVED
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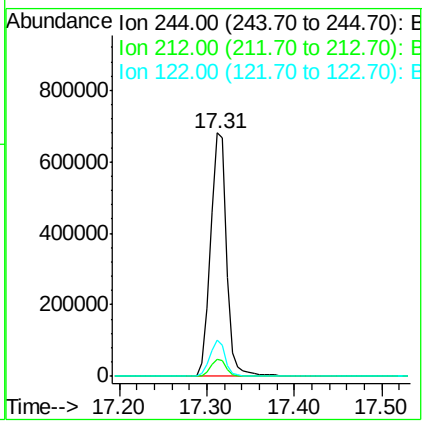
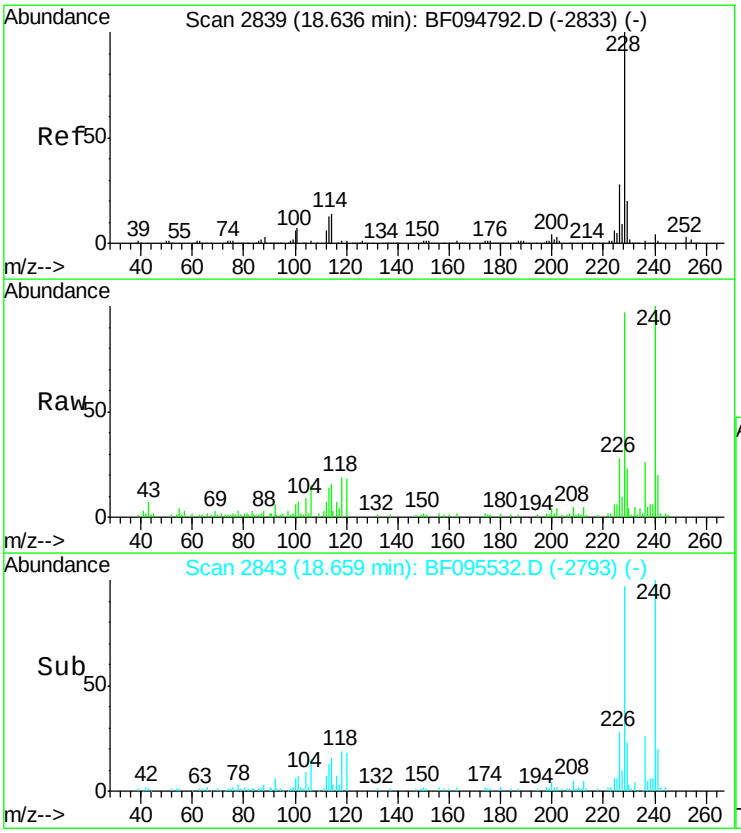
5/31/2017 5:02:16 PM

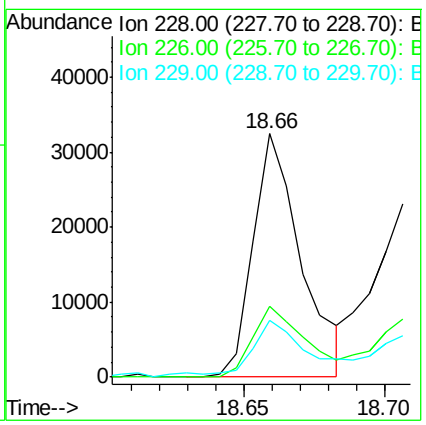


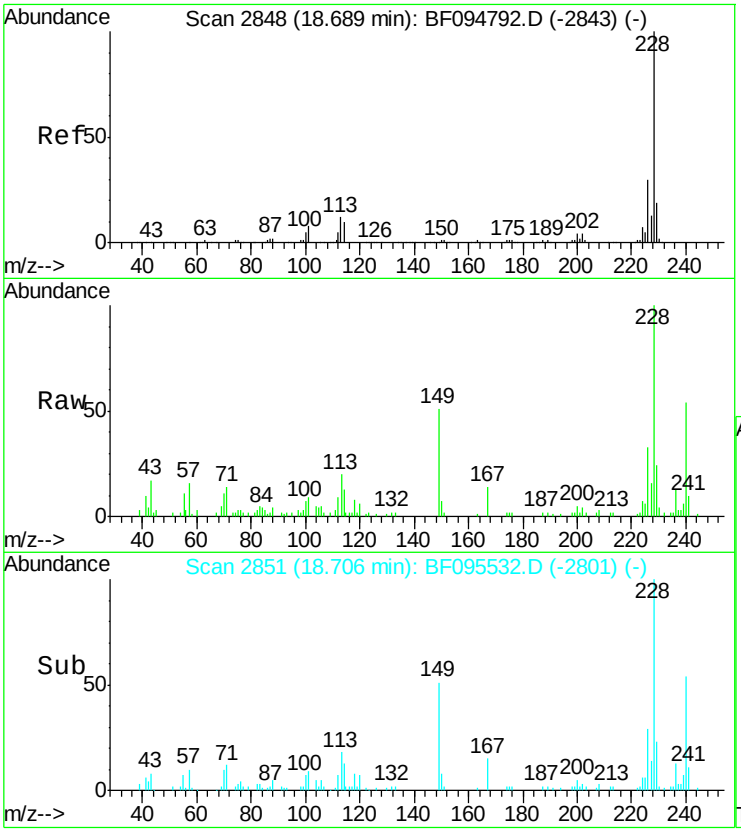


#80
Benzo(a)anthracene
Concen: 2.60 ng
RT: 18.66 min Scan# 2843
Delta R.T. -0.01 min
Lab File: BF095532.D
Acq: 30 May 2017 13:27

Tgt Ion:228 Resp: 38375

Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	23.3	16.3	24.5

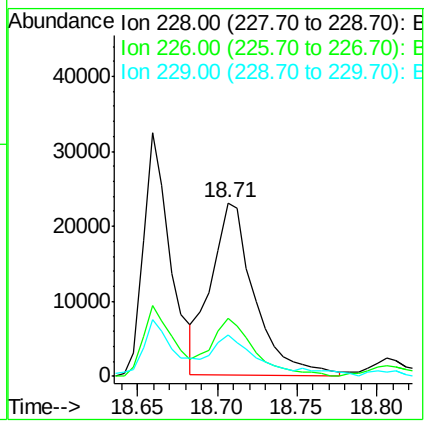




#82
Chrysene
Concen: 3.08 ng m
RT: 18.71 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF095532.D
Acq: 30 May 2017 13:27

Tgt Ion:228 Resp: 43867

Ion	Ratio	Lower	Upper
228	100		
226	33.2	24.9	37.3
229	23.7	15.8	23.6#



Instrument :
BNA_F
ClientSampleId :
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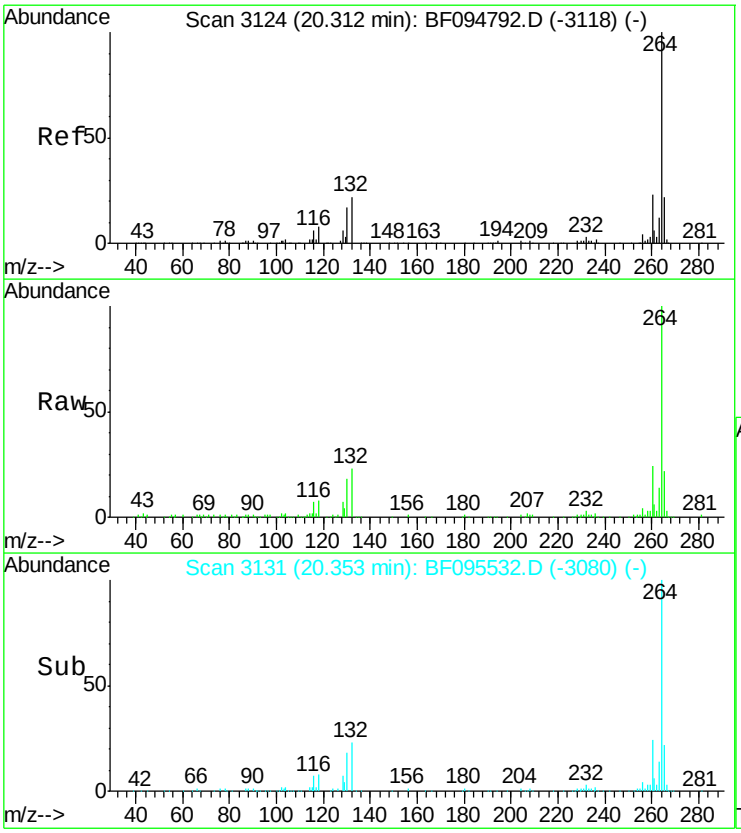
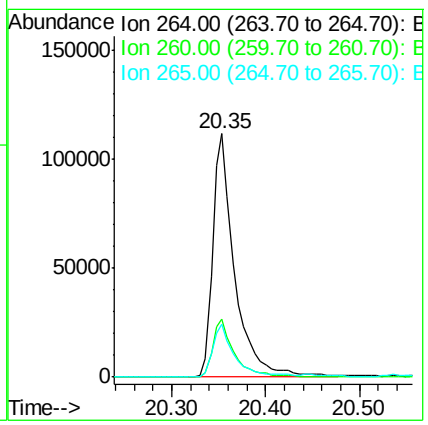
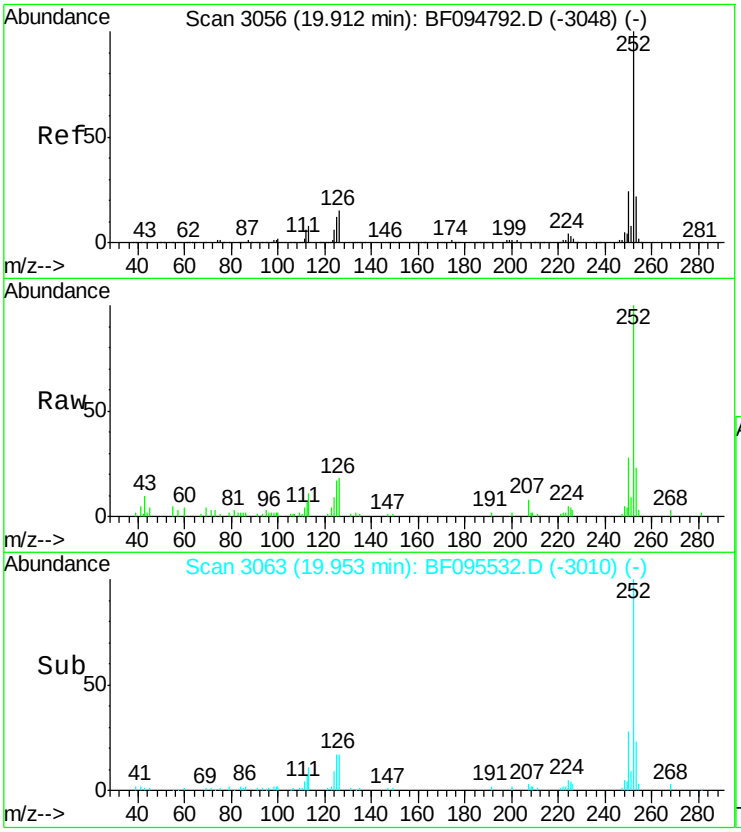


#86
Perylene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BF095532.D
Acq: 30 May 2017 13:27

Tgt Ion:264 Resp: 183671

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.9	17.2	25.8





#87
Benzo(b)fluoranthene
Concen: 3.21 ng m
RT: 19.95 min Scan# 3063
Delta R.T. 0.01 min
Lab File: BF095532.D
Acq: 30 May 2017 13:27

Tgt Ion:252 Resp: 36479

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	16.5	9.8	14.8#

Instrument :
BNA_F
ClientSampleId :
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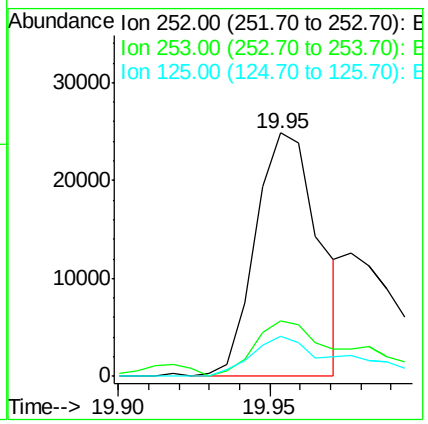
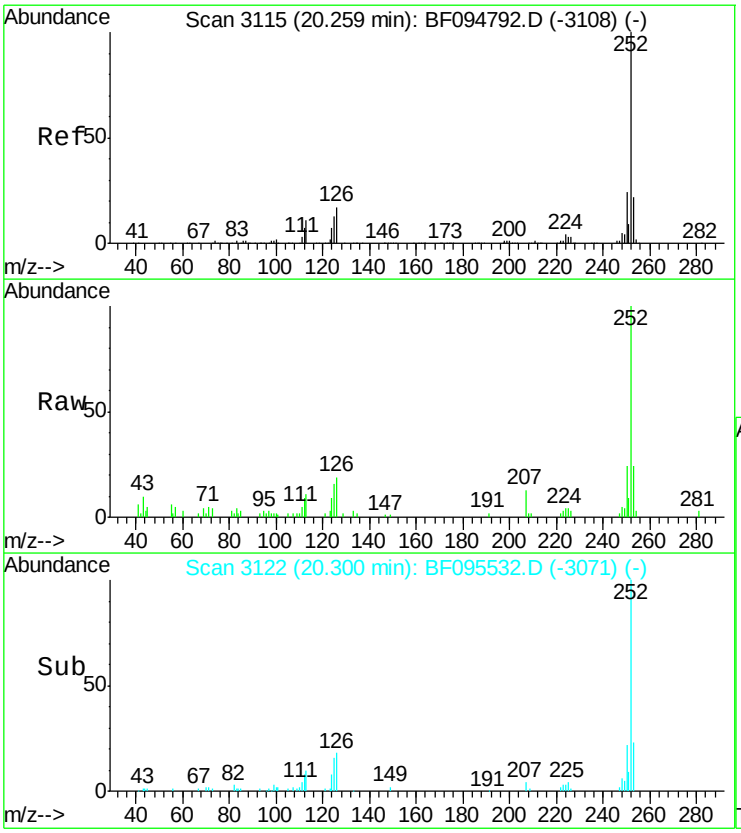
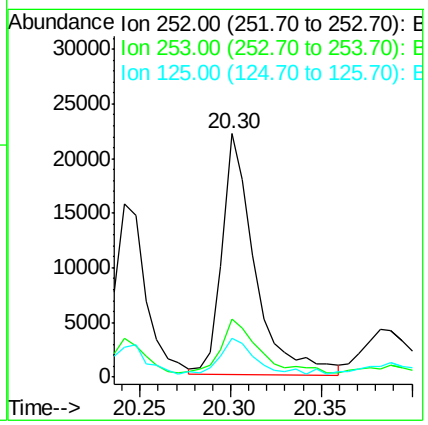


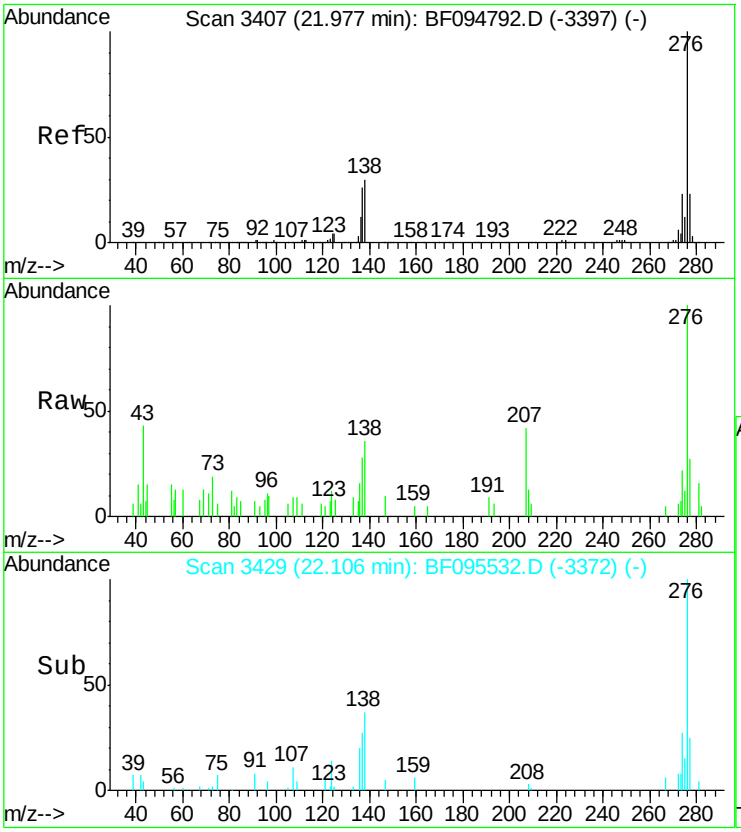


#89
Benzo(a)pyrene
Concen: 2.66 ng
RT: 20.30 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BF095532.D
Acq: 30 May 2017 13:27

Tgt Ion:252 Resp: 27854

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	15.7	11.0	16.4

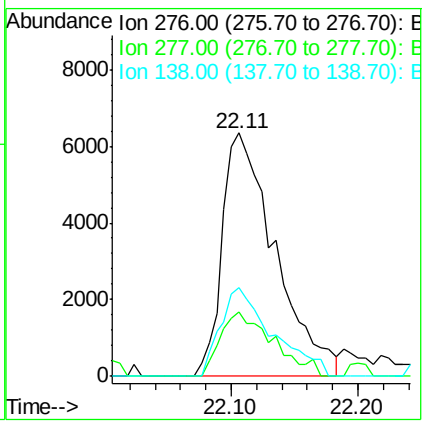




#91
Benzo(g,h,i)perylene
Concen: 2.17 ng
RT: 22.11 min Scan# 3429
Delta R.T. 0.04 min
Lab File: BF095532.D
Acq: 30 May 2017 13:27

Tgt Ion:276 Resp: 18378

Ion	Ratio	Lower	Upper
276	100		
277	26.7	18.6	28.0
138	36.2	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
DUP-2

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