Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120815\
Data File : BF083616.D
Acq On : 9 Dec 2015 1:50
Operator : UM/IZ
Sample : G4637-05 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PCPY4

Quant Time: Dec 09 03:13:07 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 09 00:23:35 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.70	152	142949	20.00	ng	0.00
21) Naphthalene-d8	7.60	136	543070	20.00	ng	-0.01
38) Acenaphthene-d10	10.38	164	258010	20.00	ng	0.00
63) Phenanthrene-d10	12.77	188	411567	20.00	ng	-0.01
75) Chrysene-d12	16.99	240	271391	20.00	ng	0.00
86) Perylene-d12	18.63	264	268434	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.04	112	27815	2.95	ng	0.07
7) Phenol-d6	5.36	99	41331	3.28	ng	0.08
23) Nitrobenzene-d5	6.57	82	26841	2.31	ng	0.03
41) 2,4,6-Tribromophenol	11.70	330	6623	2.88	ng	0.01
44) 2-Fluorobiphenyl	9.34	172	42531	2.32	ng	0.00
78) Terphenyl-d14	15.40	244	26120	2.26	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	12.82	178	158044	6.68	ng	99
74) Fluoranthene	14.74	202	180842	7.48	ng	98
77) Pyrene	15.11	202	141075	7.22	ng	97
80) Benzo(a)anthracene	16.98	228	67631	4.26	ng	96
82) Chrysene	17.03	228	58907	3.70	ng	99
85) Indeno(1,2,3-cd)pyrene	19.89	276	31350	2.92	ng	# 100
87) Benzo(b)fluoranthene	18.26	252	104934	6.86	ng	98
88) Benzo(k)fluoranthene	18.26	252	104934	6.23	ng	98
89) Benzo(a)pyrene	18.58	252	54107	3.63	ng	93
91) Benzo(g,h,i)perylene	20.26	276	28345	2.55	ng	93

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120815\
Data File : BF083616.D
Acq On : 9 Dec 2015 1:50
Operator : UM/IZ
Sample : G4637-05 25X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
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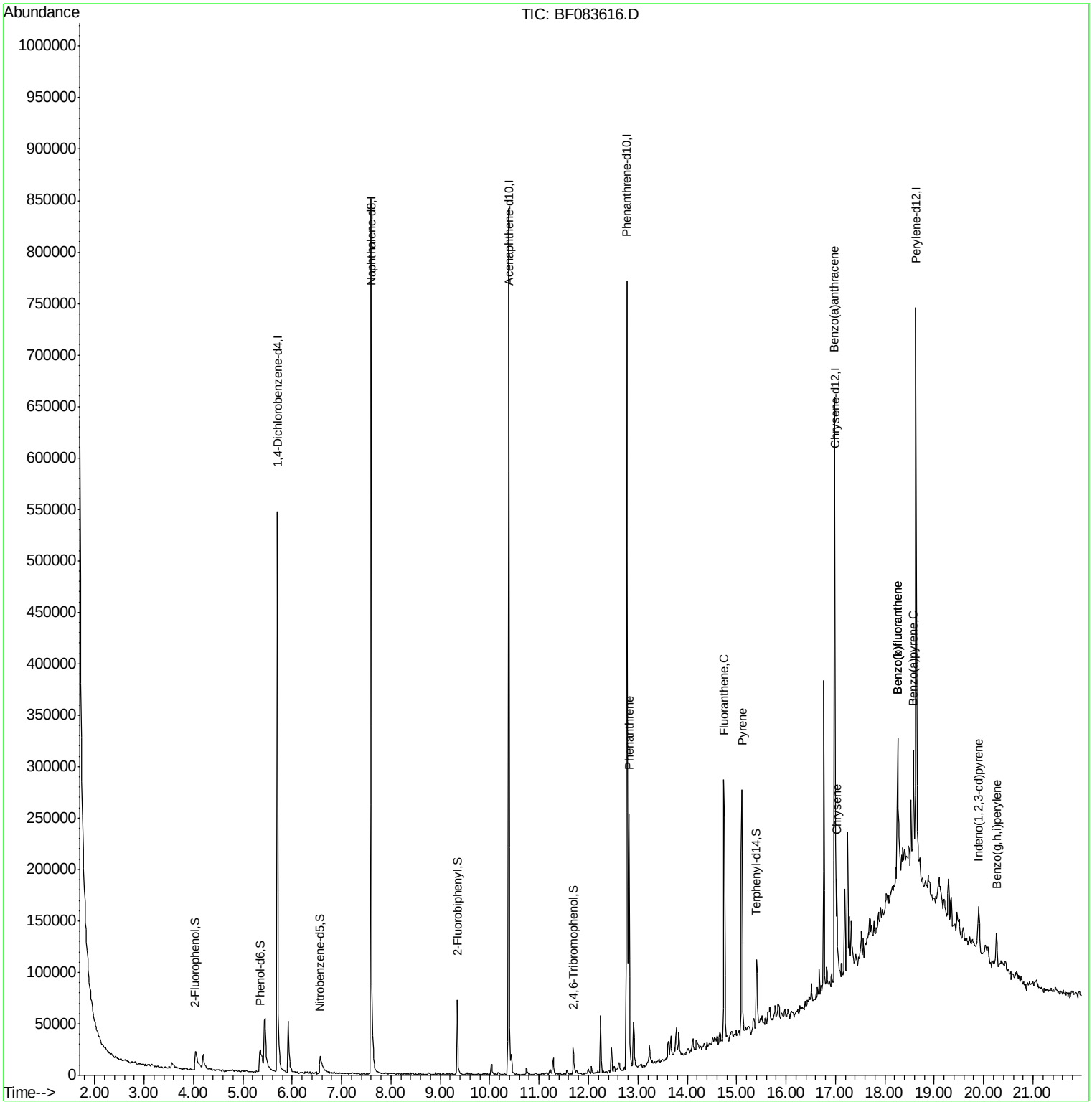
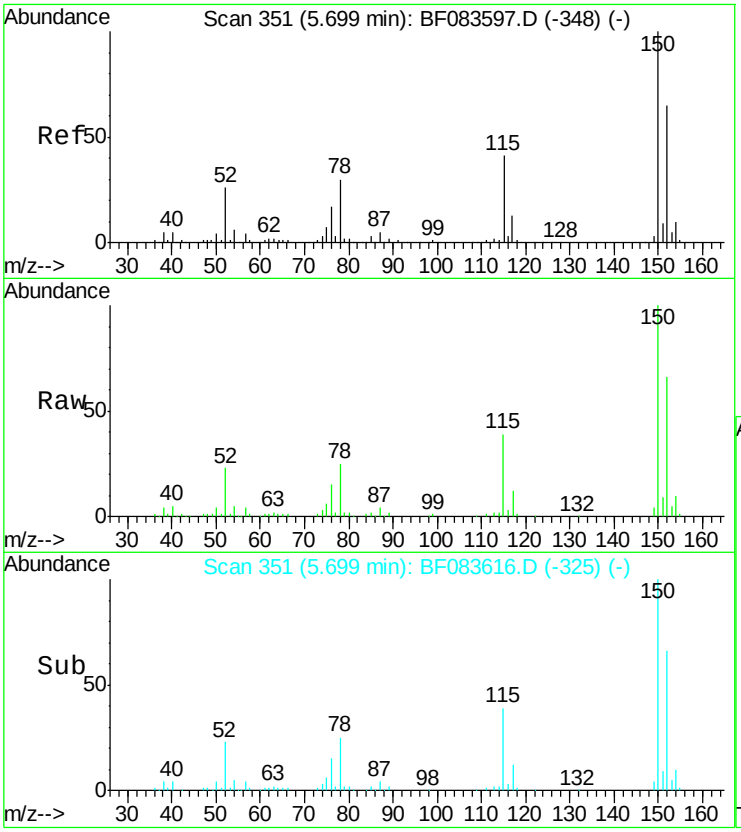
Quant Time: Dec 09 03:13:07 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 09 00:23:35 2015
Response via : Initial Calibration



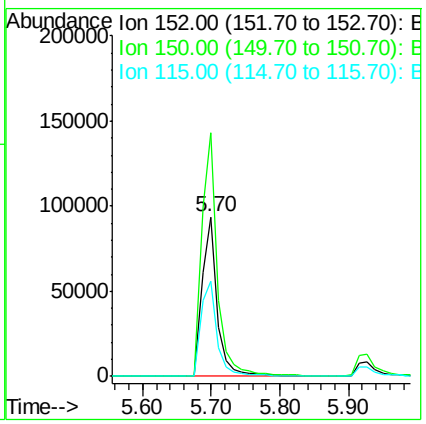


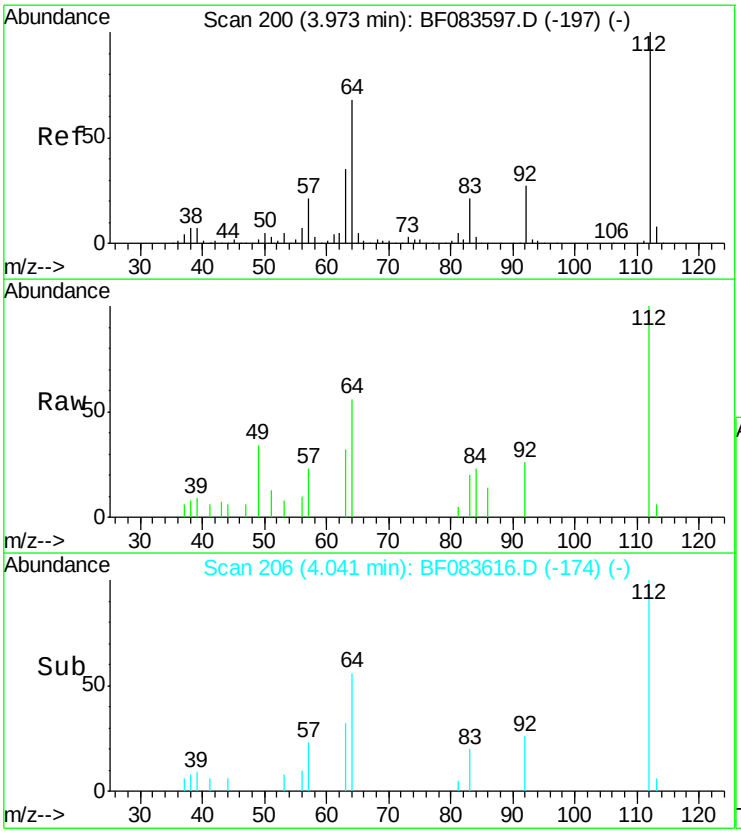
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.70 min Scan# 351
Delta R.T. 0.00 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Instrument :
BNA_F
ClientSampleId :
PCPY4

Tgt Ion:152 Resp: 142949

Ion	Ratio	Lower	Upper
152	100		
150	152.5	126.5	189.7
115	59.2	52.3	78.5

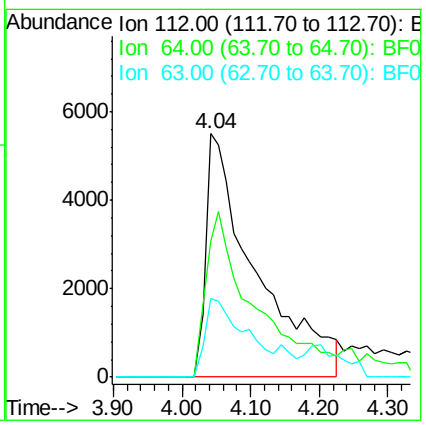


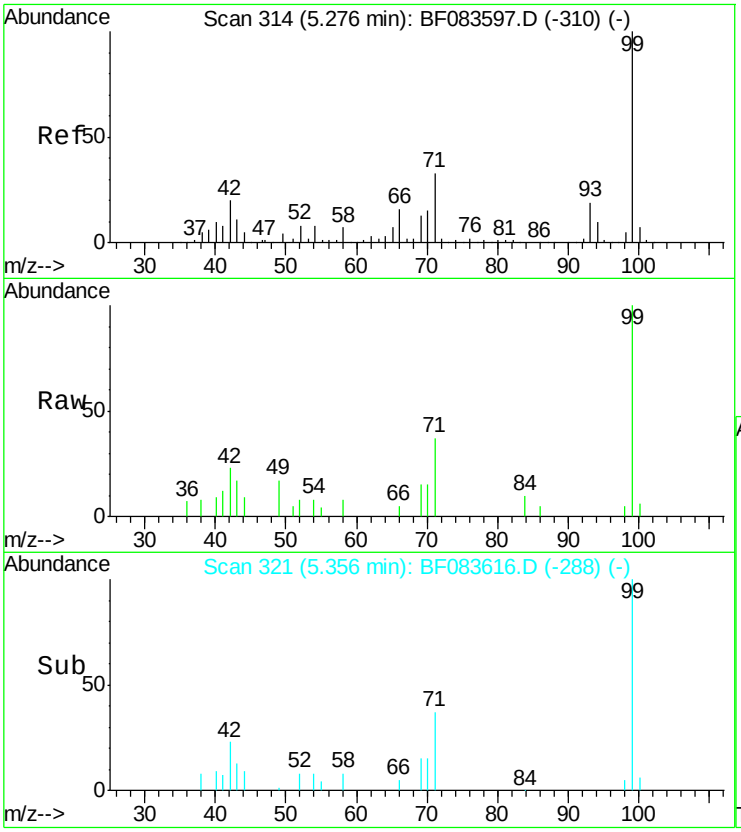


#5
2-Fluorophenol
Concen: 2.95 ng
RT: 4.04 min Scan# 206
Delta R.T. 0.07 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Tgt Ion:112 Resp: 27815

Ion	Ratio	Lower	Upper
112	100		
64	55.8	50.5	75.7
63	32.1	25.8	38.6



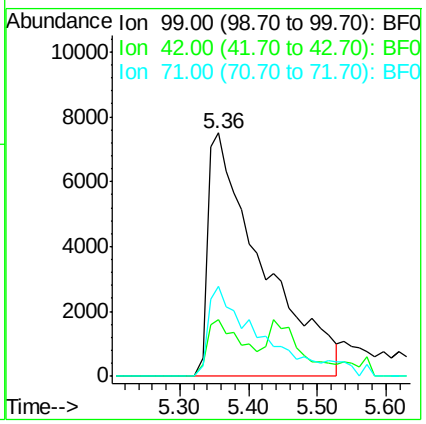


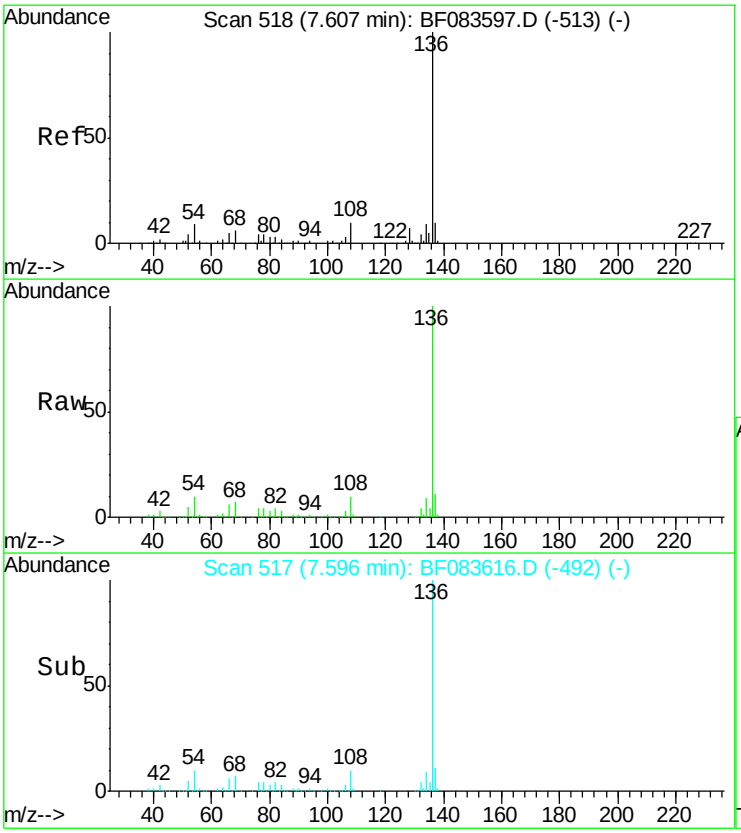
#7
Phenol-d6
Concen: 3.28 ng
RT: 5.36 min Scan# 321
Delta R.T. 0.08 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Instrument :
BNA_F
ClientSampleId :
PCPY4

Tgt Ion: 99 Resp: 41331

Ion	Ratio	Lower	Upper
99	100		
42	23.1	17.3	25.9
71	37.2	26.6	40.0

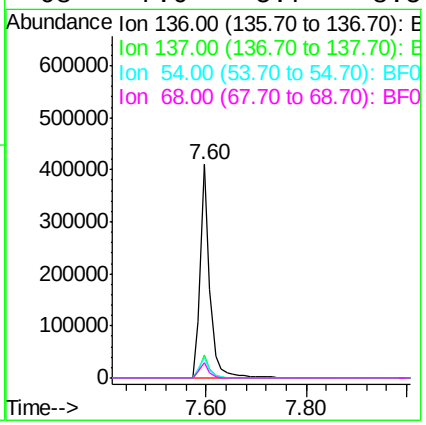


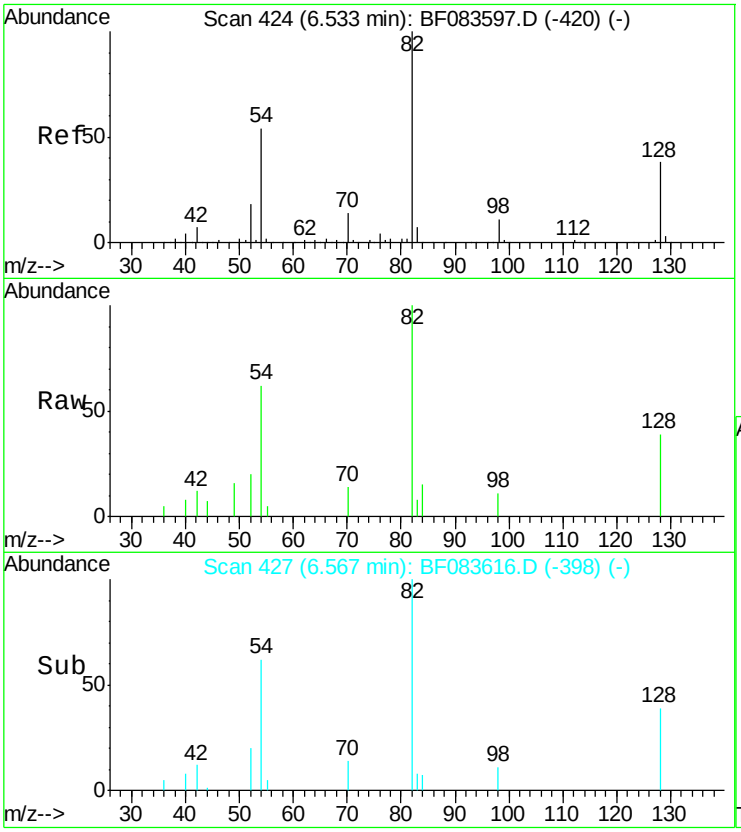


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.60 min Scan# 517
Delta R.T. -0.01 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Tgt Ion:136 Resp: 543070

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	9.8	7.8	11.6
68	7.0	5.7	8.5



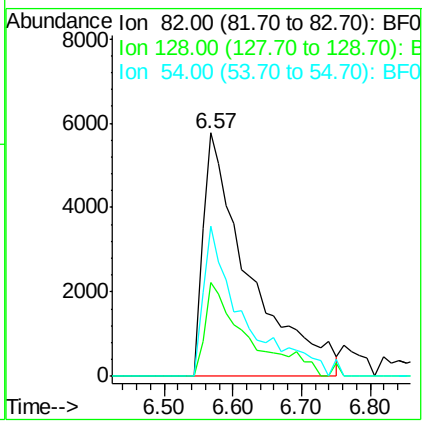


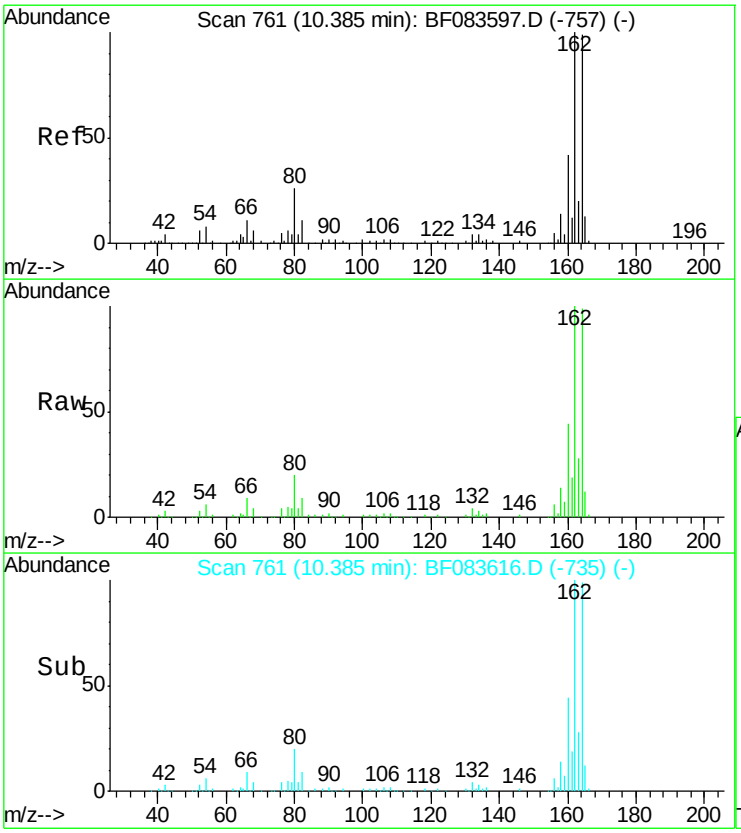
#23
Nitrobenzene-d5
Concen: 2.31 ng
RT: 6.57 min Scan# 427
Delta R.T. 0.03 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Instrument :
BNA_F
ClientSampleId :
PCPY4

Tgt Ion: 82 Resp: 26841

Ion	Ratio	Lower	Upper
82	100		
128	38.6	30.7	46.1
54	61.6	42.5	63.7

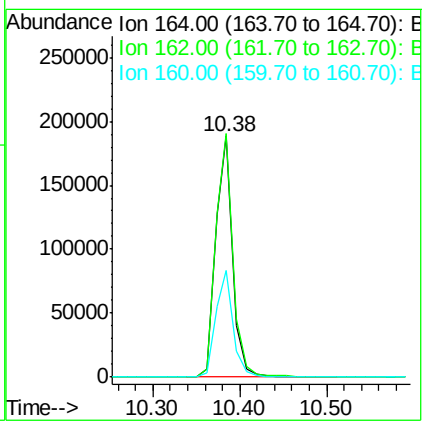


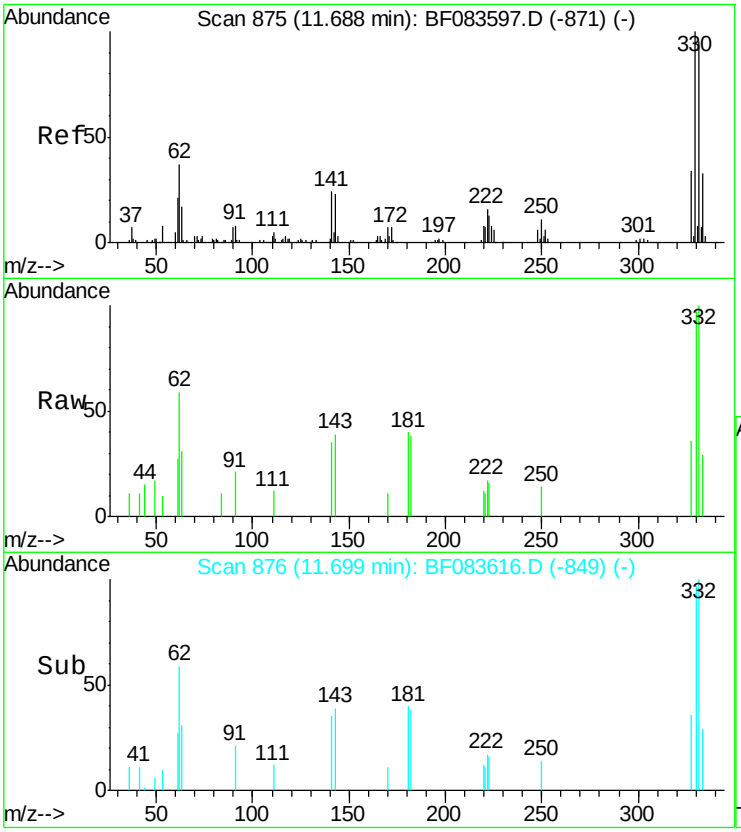


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.38 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Tgt Ion:164 Resp: 258010

Ion	Ratio	Lower	Upper
164	100		
162	101.1	78.8	118.2
160	44.2	33.4	50.2



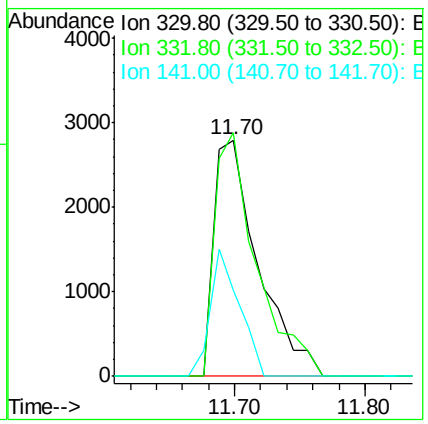


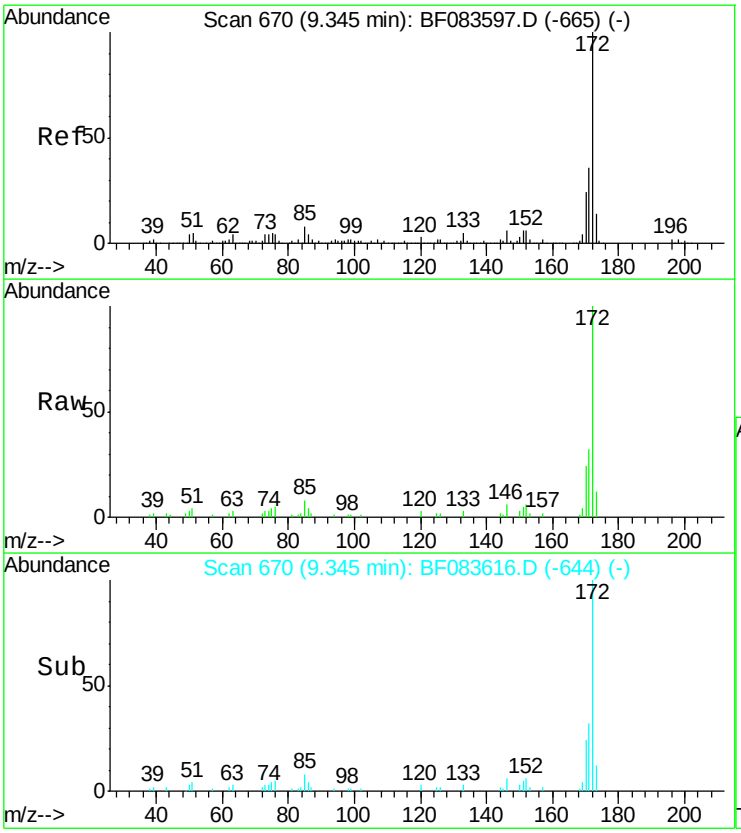
#41
2,4,6-Tribromophenol
Concen: 2.88 ng
RT: 11.70 min Scan# 876
Delta R.T. 0.01 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Instrument :
BNA_F
ClientSampleId :
PCPY4

Tgt Ion:330 Resp: 6623

Ion	Ratio	Lower	Upper
330	100		
332	97.5	0.0	0.0#
141	35.2	0.0	0.0#

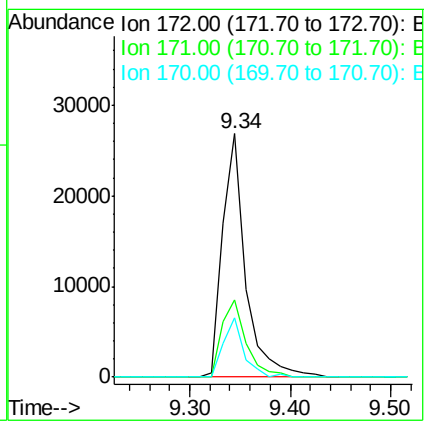


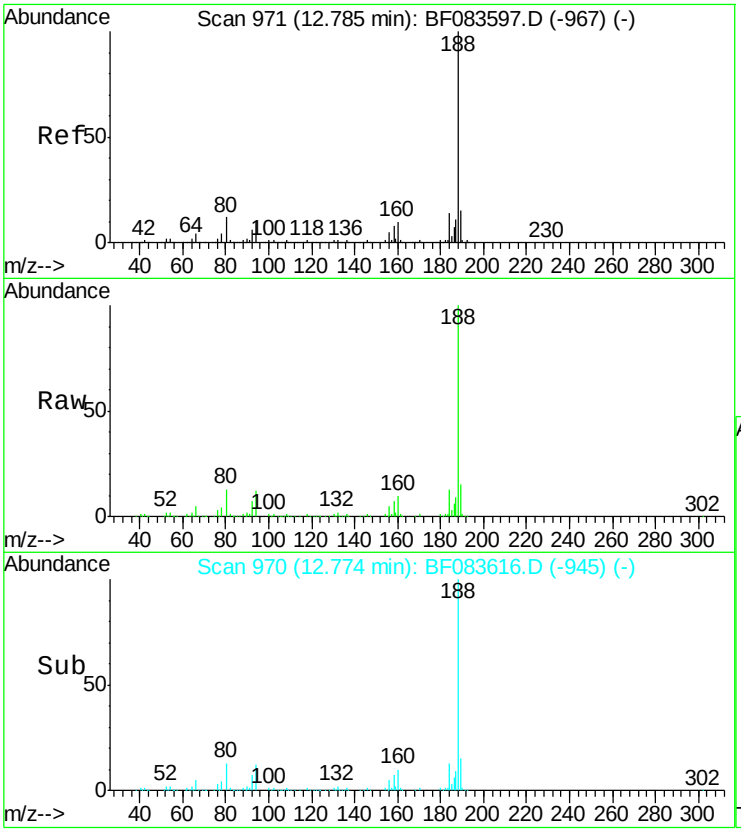


#44
2-Fluorobiphenyl
Concen: 2.32 ng
RT: 9.34 min Scan# 670
Delta R.T. 0.00 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Tgt Ion:172 Resp: 42531

Ion	Ratio	Lower	Upper
172	100		
171	31.5	28.6	42.8
170	24.3	19.4	29.0



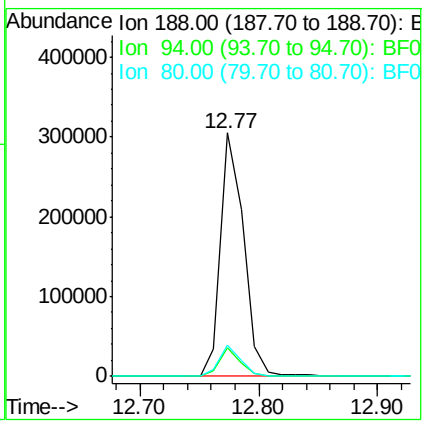


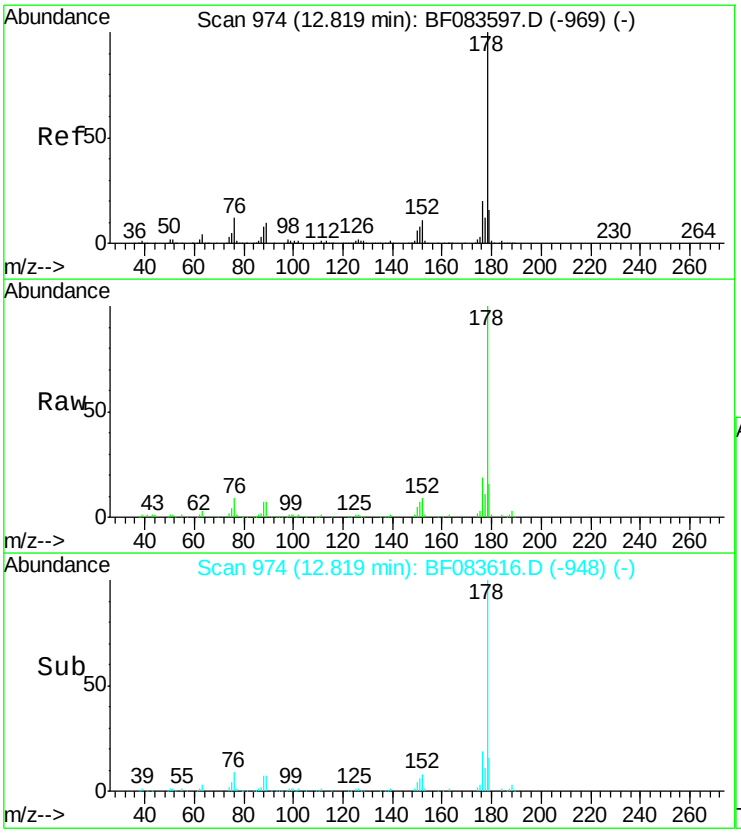
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.77 min Scan# 970
Delta R.T. -0.01 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Instrument :
BNA_F
ClientSampleId :
PCPY4

Tgt Ion:188 Resp: 411567

Ion	Ratio	Lower	Upper
188	100		
94	11.8	9.4	14.2
80	12.9	10.6	16.0

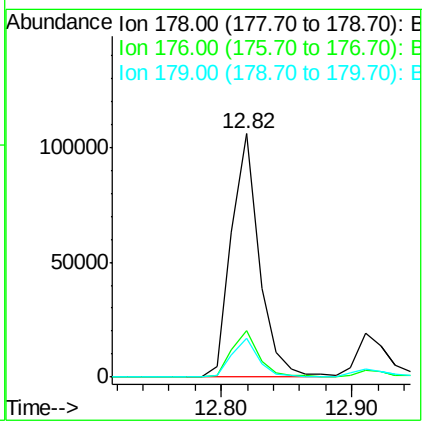


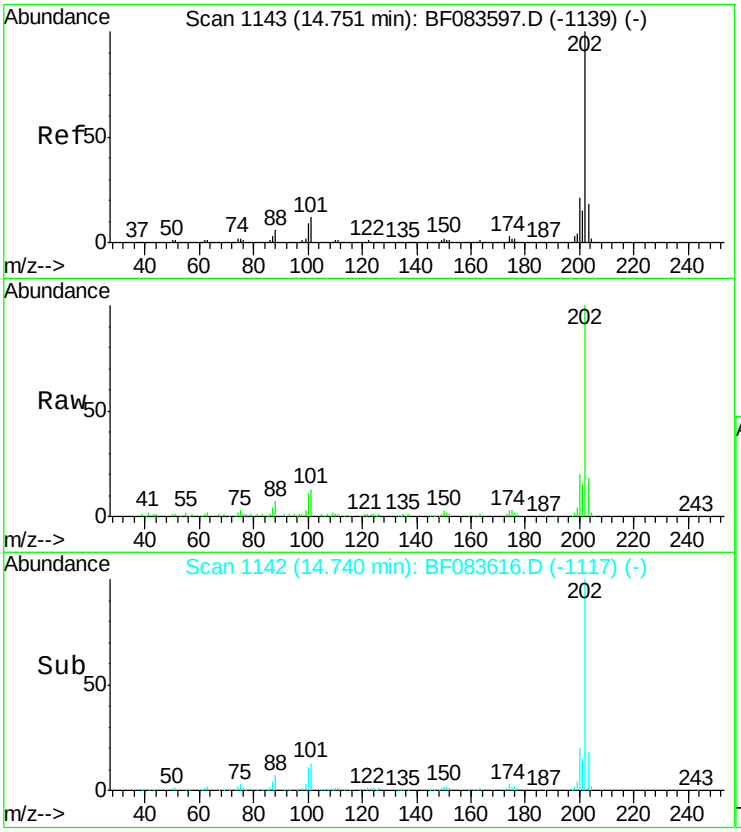


#70
Phenanthrene
Concen: 6.68 ng
RT: 12.82 min Scan# 974
Delta R.T. 0.00 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Tgt Ion:178 Resp: 158044

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.7	23.5
179	15.9	12.2	18.4



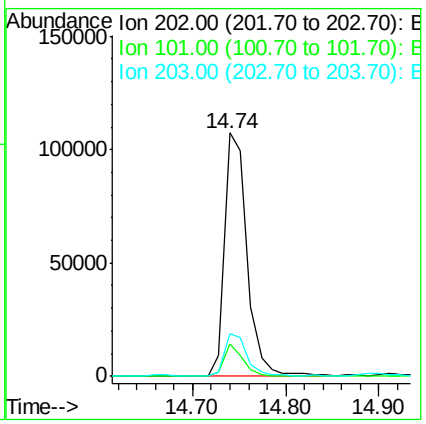


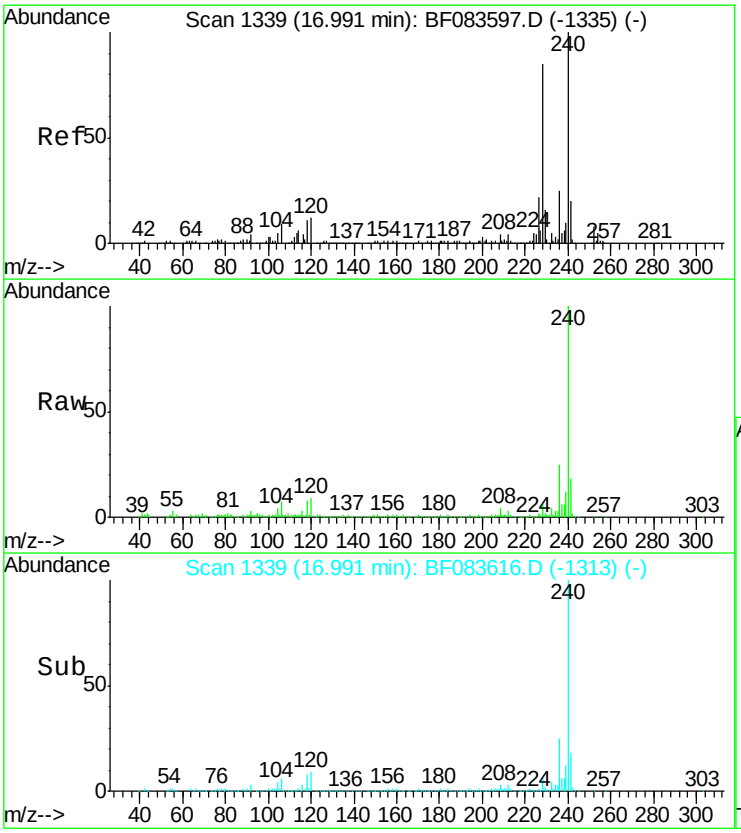
#74
Fluoranthene
Concen: 7.48 ng
RT: 14.74 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Instrument :
BNA_F
ClientSampleId :
PCPY4

Tgt Ion:202 Resp: 180842

Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	31.5
203	17.7	0.0	37.6

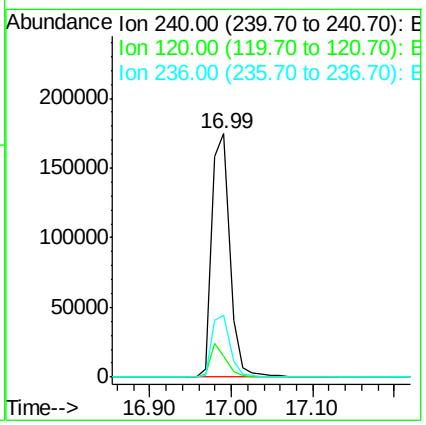


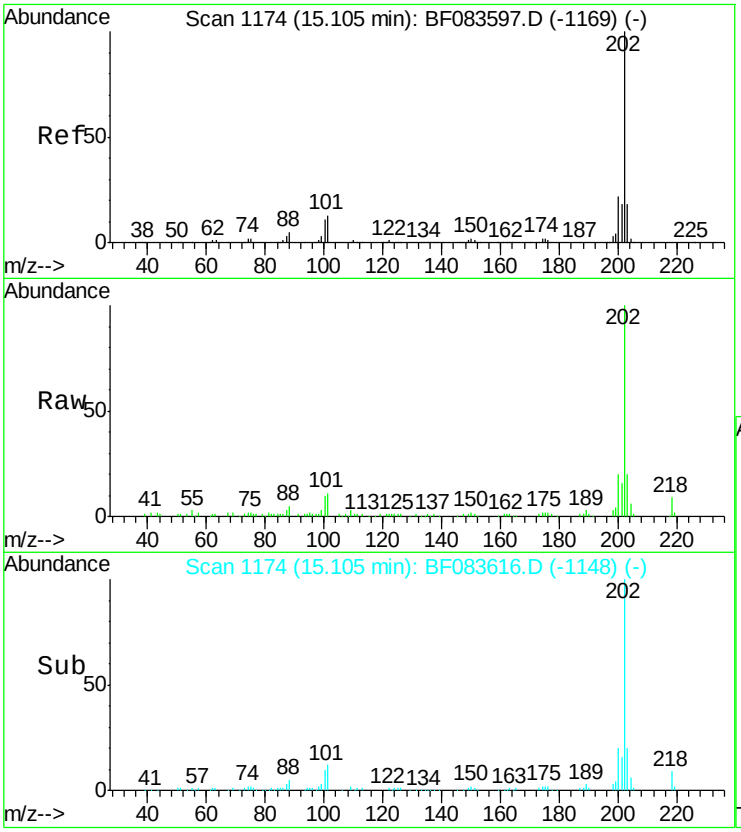


#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.99 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Tgt Ion:240 Resp: 271391

Ion	Ratio	Lower	Upper
240	100		
120	8.6	8.1	12.1
236	25.2	20.8	31.2



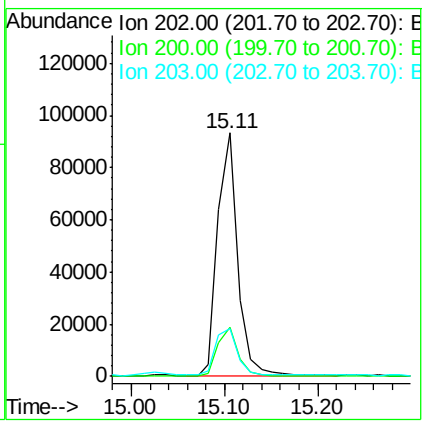


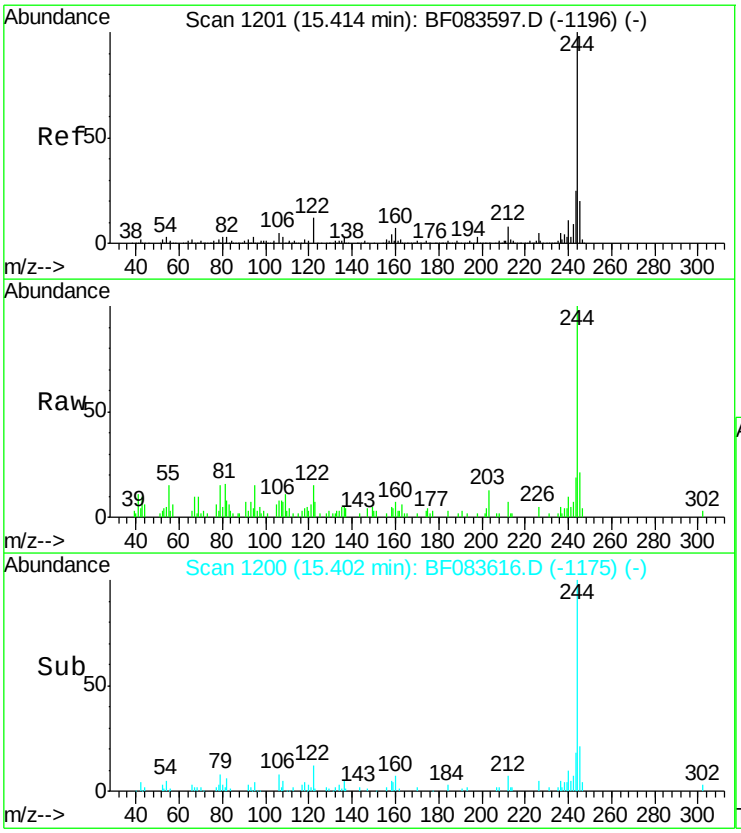
#77
Pyrene
Concen: 7.22 ng
RT: 15.11 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Instrument :
BNA_F
ClientSampleId :
PCPY4

Tgt Ion:202 Resp: 141075

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.7	25.1
203	19.9	14.3	21.5

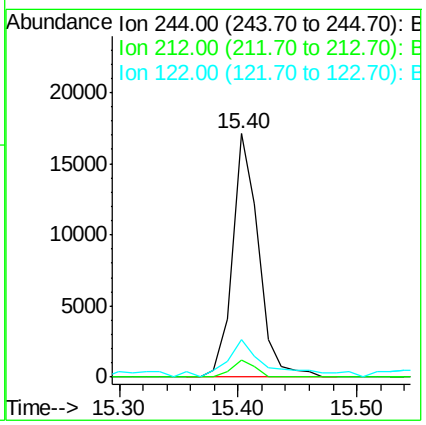


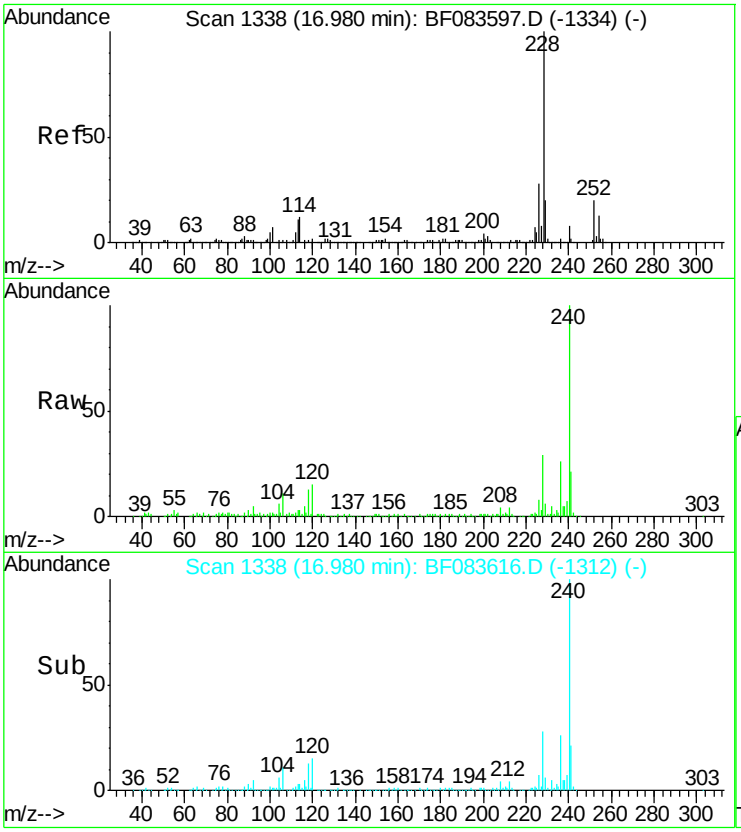


#78
Terphenyl-d14
Concen: 2.26 ng
RT: 15.40 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Tgt Ion:244 Resp: 26120

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	15.4	11.0	16.6



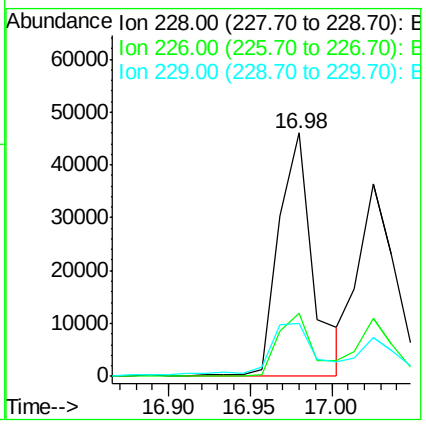


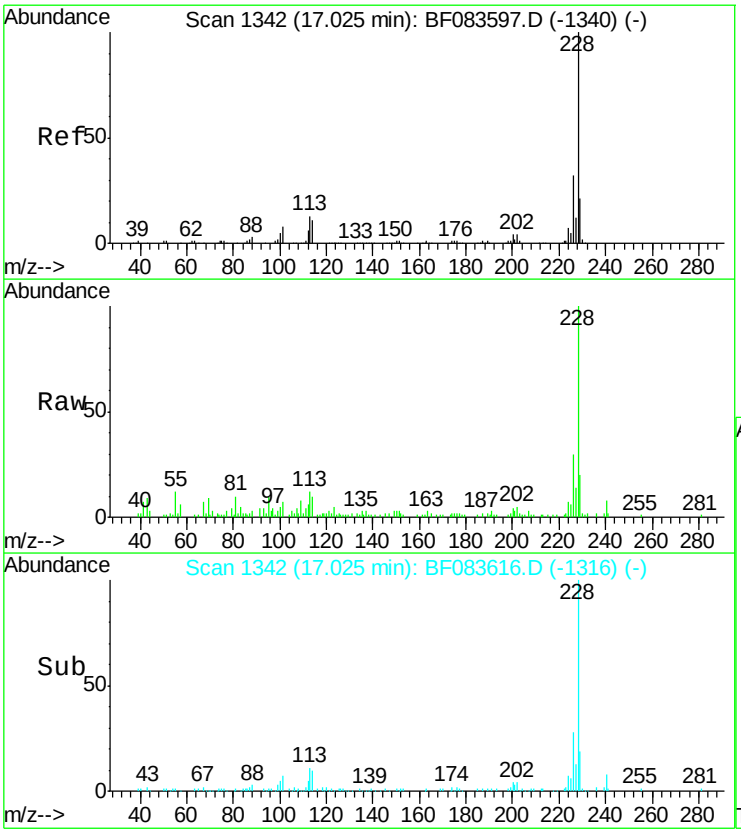
#80
Benzo(a)anthracene
Concen: 4.26 ng
RT: 16.98 min Scan# 1338
Delta R.T. 0.00 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Instrument :
BNA_F
ClientSampleId :
PCPY4

Tgt Ion:228 Resp: 67631

Ion	Ratio	Lower	Upper
228	100		
226	26.1	22.3	33.5
229	21.7	15.7	23.5

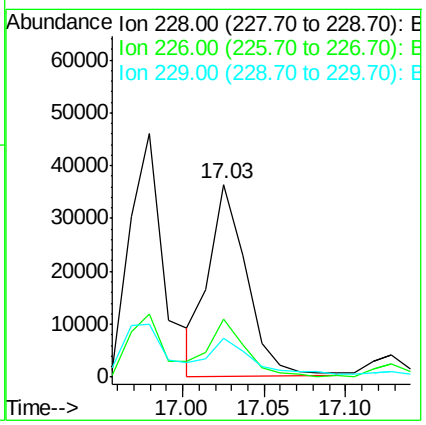


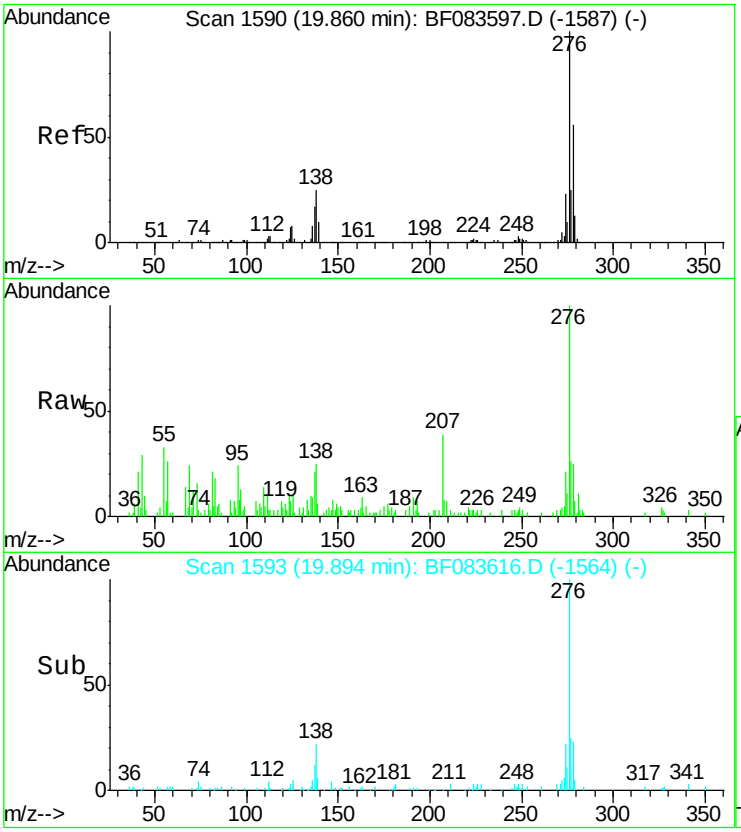


#82
Chrysene
Concen: 3.70 ng
RT: 17.03 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Tgt Ion:228 Resp: 58907

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.7	37.1
229	19.9	16.3	24.5



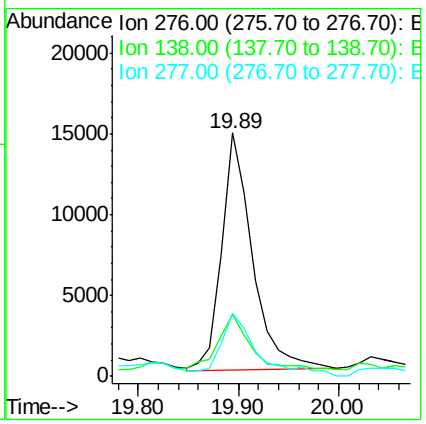


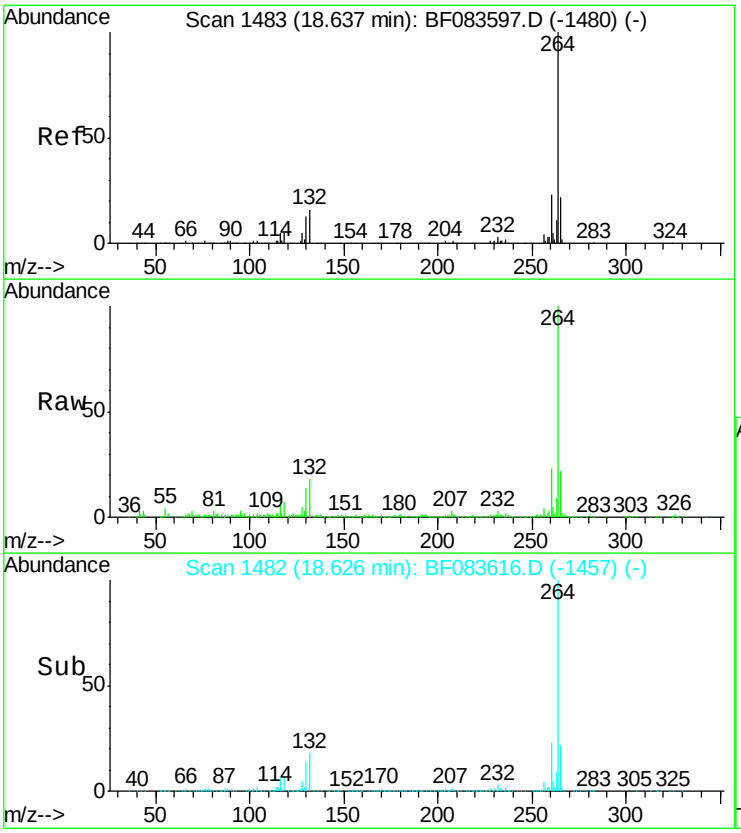
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.92 ng
RT: 19.89 min Scan# 1593
Delta R.T. 0.03 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Instrument :
BNA_F
ClientSampleId :
PCPY4

Tgt Ion:276 Resp: 31350

Ion	Ratio	Lower	Upper
276	100		
138	23.1	0.0	0.0#
277	31.6	0.0	0.0#

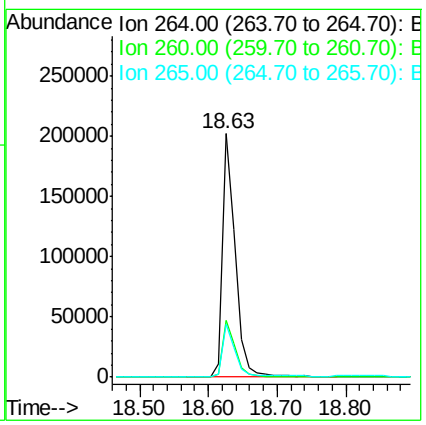


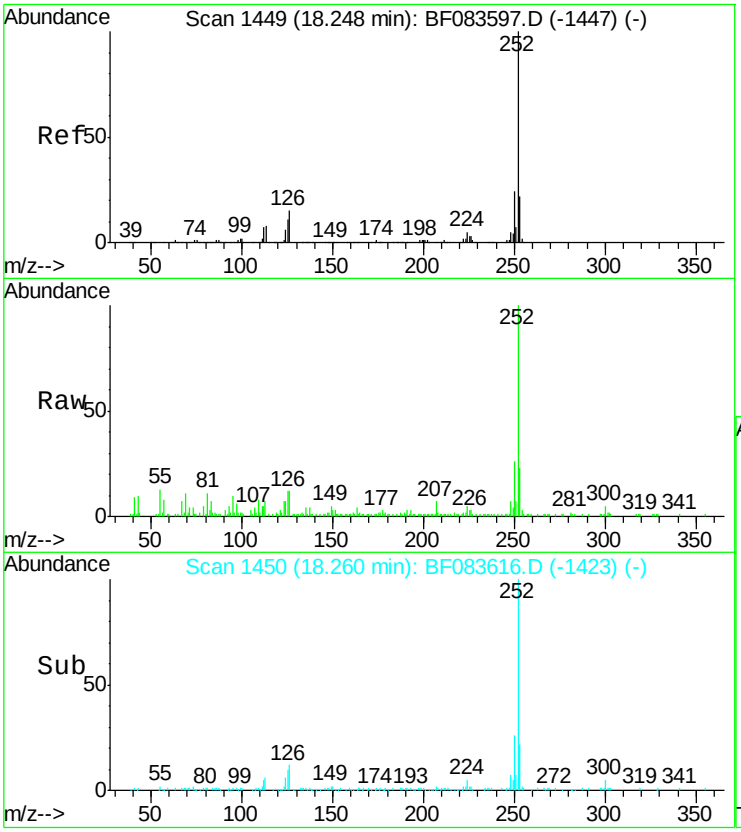


#86
Perylene-d12
Concen: 20.00 ng
RT: 18.63 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Tgt Ion:264 Resp: 268434

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.4	29.0
265	21.8	17.8	26.6



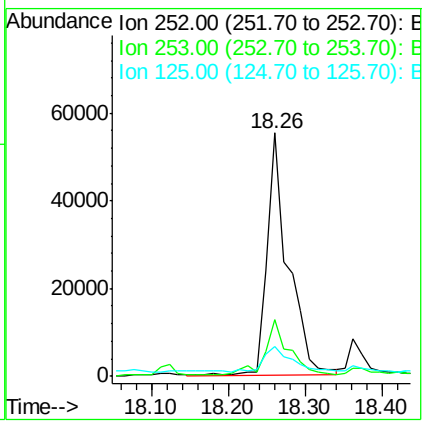


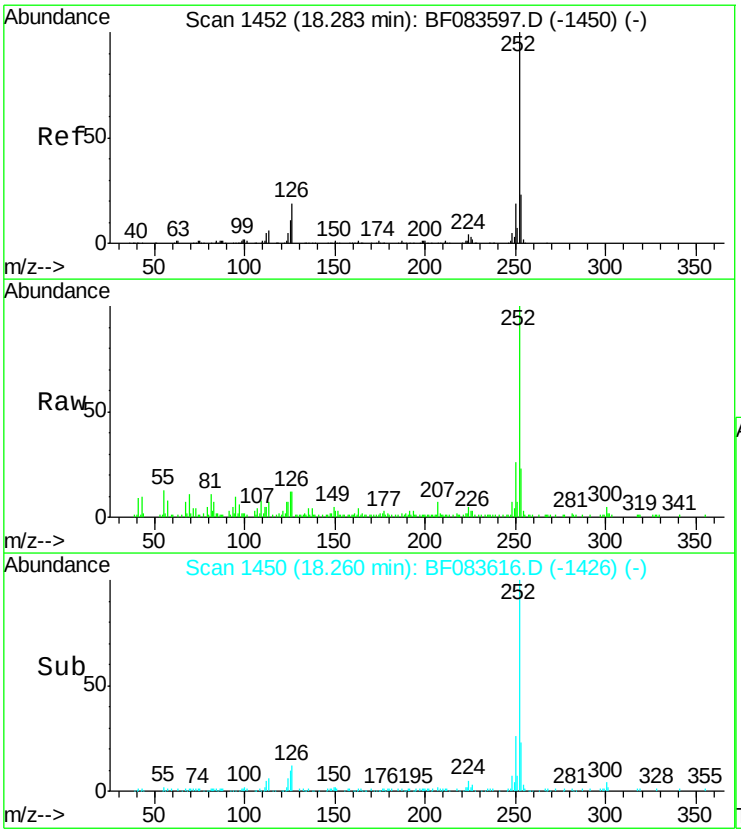
#87
Benzo(b)fluoranthene
Concen: 6.86 ng
RT: 18.26 min Scan# 1450
Delta R.T. 0.01 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Instrument :
BNA_F
ClientSampleId :
PCPY4

Tgt Ion:252 Resp: 104934

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.4
125	12.0	8.2	12.4

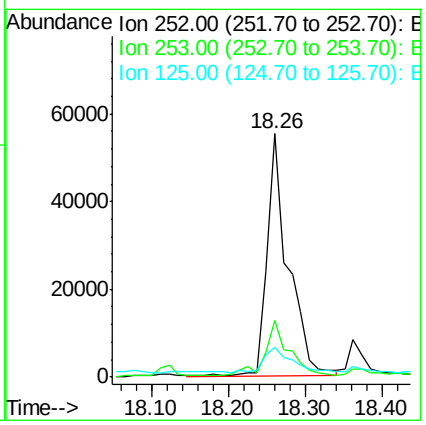


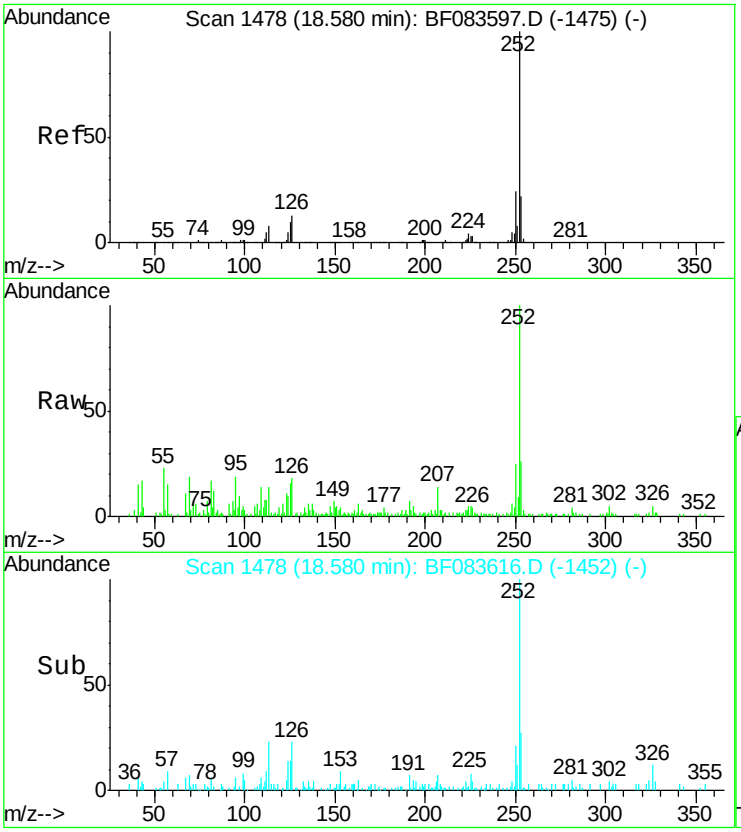


#88
Benzo(k)fluoranthene
Concen: 6.23 ng
RT: 18.26 min Scan# 1450
Delta R.T. -0.02 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Tgt Ion:252 Resp: 104934

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.6	27.8
125	12.0	11.5	17.3



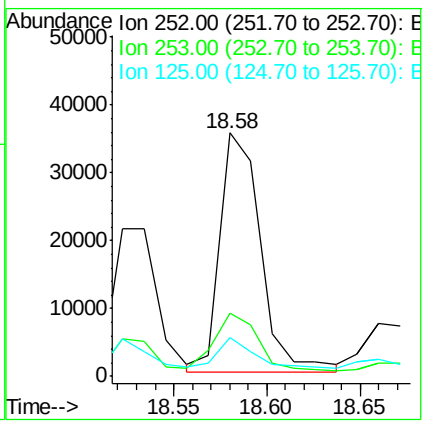


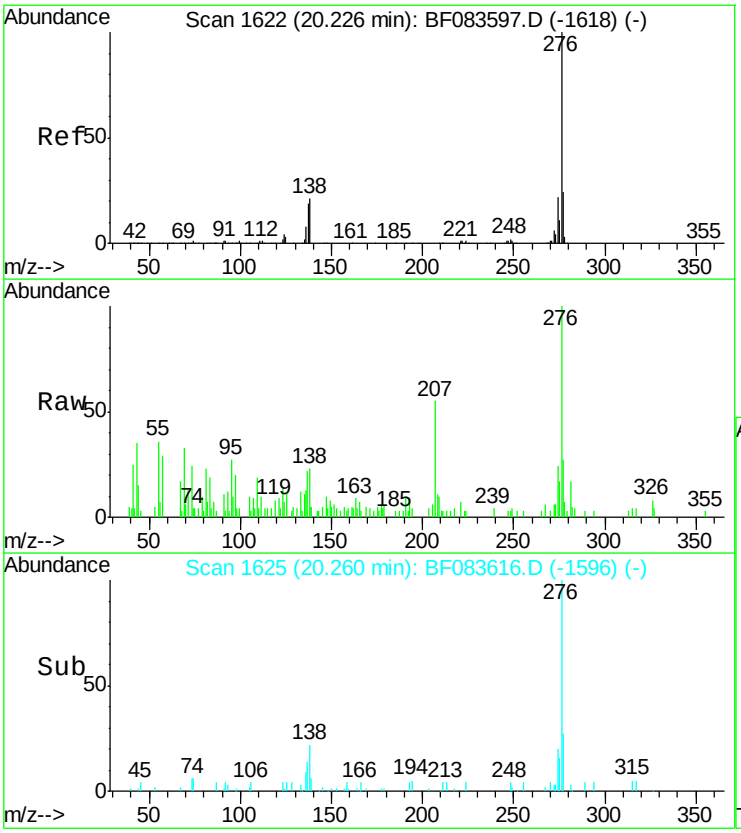
#89
Benzo(a)pyrene
Concen: 3.63 ng
RT: 18.58 min Scan# 1478
Delta R.T. 0.00 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Instrument :
BNA_F
ClientSampleId :
PCPY4

Tgt Ion:252 Resp: 54107

Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.5	26.3
125	16.0	11.0	16.6





#91
Benzo(g,h,i)perylene
Concen: 2.55 ng
RT: 20.26 min Scan# 1625
Delta R.T. 0.03 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Tgt Ion:276 Resp: 28345

Ion	Ratio	Lower	Upper
276	100		
277	26.9	19.2	28.8
138	28.0	19.5	29.3