Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011516\
Data File : BF084525.D
Acq On : 16 Jan 2016 7:41
Operator : SJ/UM
Sample : H1143-02 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POST-EX-7-20160114

Quant Time: Jan 18 00:41:11 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	226654	20.00	ng		-0.01
21) Naphthalene-d8	8.11	136	901852	20.00	ng		-0.01
38) Acenaphthene-d10	9.86	164	373757	20.00	ng		-0.01
63) Phenanthrene-d10	11.34	188	673683	20.00	ng		-0.01
75) Chrysene-d12	13.99	240	579075	20.00	ng		-0.01
86) Perylene-d12	15.40	264	542928	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	272495	19.45	ng		-0.02
7) Phenol-d6	6.45	99	337300	19.17	ng		-0.02
23) Nitrobenzene-d5	7.38	82	190357	11.75	ng		-0.02
41) 2,4,6-Tribromophenol	10.65	330	66056	17.51	ng		-0.02
44) 2-Fluorobiphenyl	9.18	172	340938	10.50	ng		-0.01
78) Terphenyl-d14	12.93	244	251765	9.70	ng		-0.01
Target Compounds							Qvalue
70) Phenanthrene	11.37	178	196827	5.59	ng		99
74) Fluoranthene	12.56	202	311587	8.46	ng		97
77) Pyrene	12.78	202	283711	6.24	ng		98
80) Benzo(a)anthracene	13.97	228	139977m	4.12	ng		
82) Chrysene	14.01	228	135025m	4.13	ng		
85) Indeno(1,2,3-cd)pyrene	16.77	276	72045	2.78	ng		100
87) Benzo(b)fluoranthene	15.00	252	173041m	4.87	ng		
89) Benzo(a)pyrene	15.35	252	120527	4.00	ng	#	92
91) Benzo(g,h,i)perylene	17.19	276	74675	2.78	ng		95

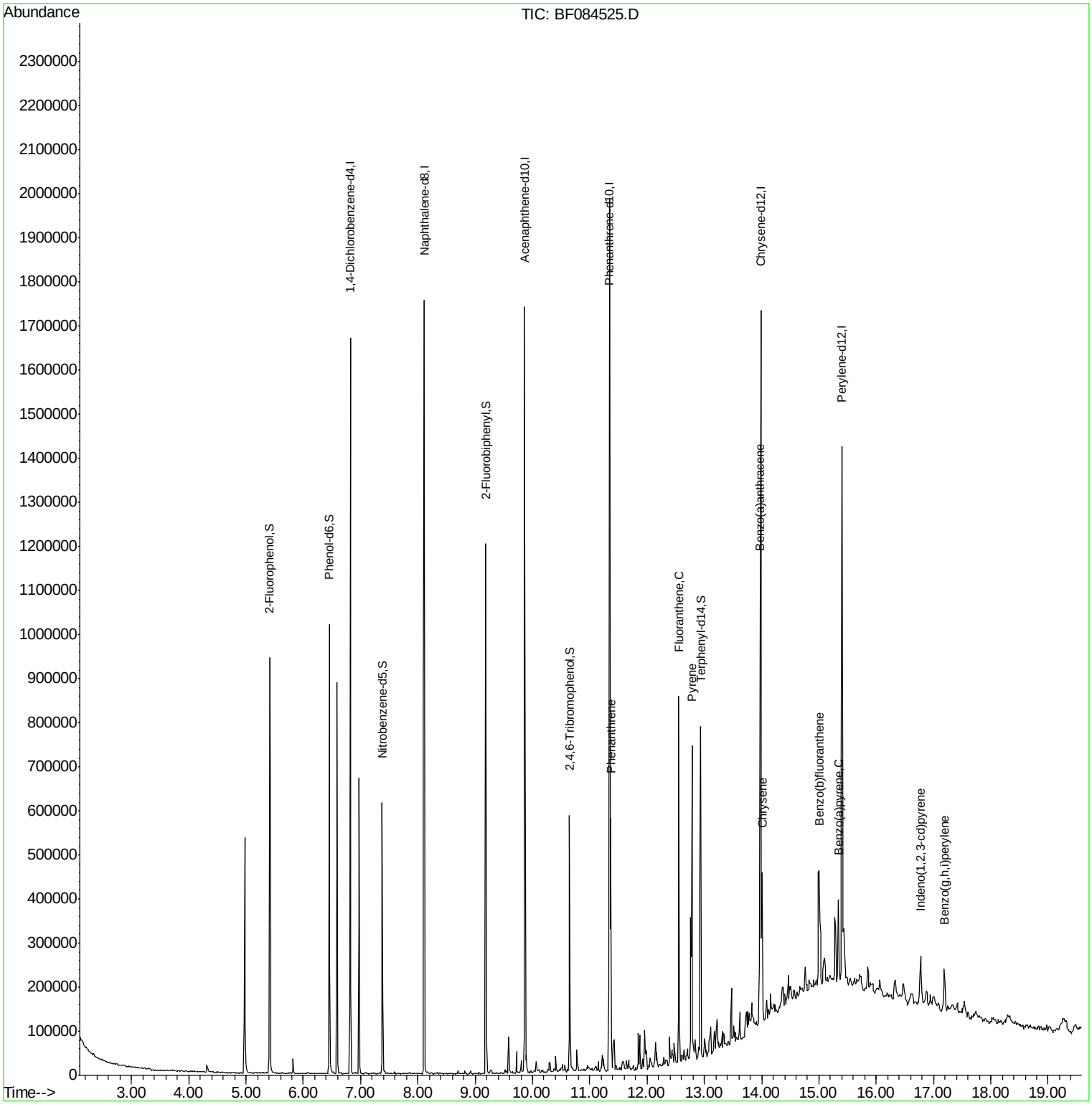
(#) = qualifier out of range (m) = manual integration (+) = signals summed

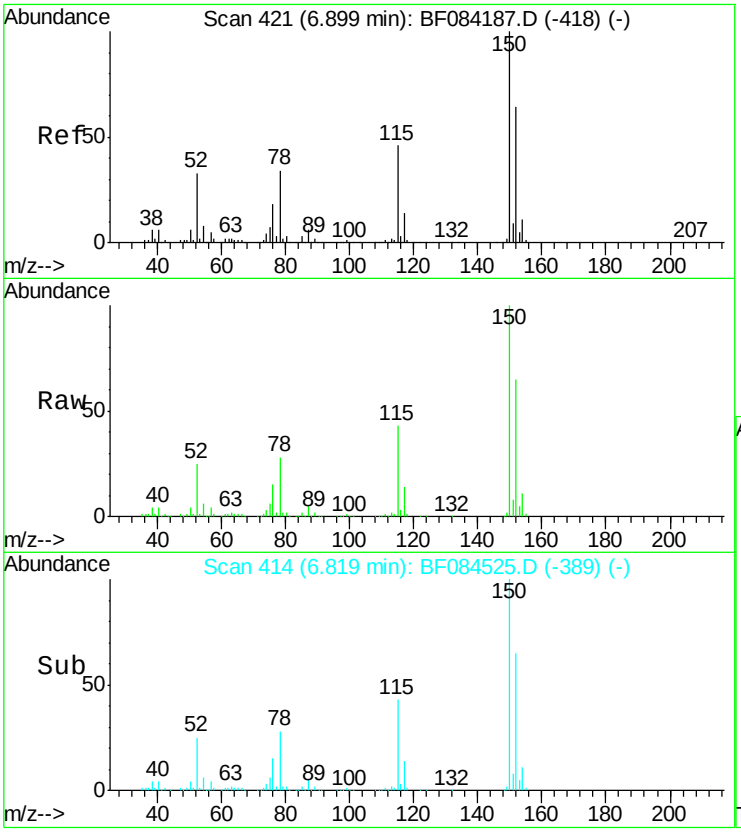
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011516\
Data File : BF084525.D
Acq On : 16 Jan 2016 7:41
Operator : SJ/UM
Sample : H1143-02 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EX-7-20160114

Quant Time: Jan 18 00:41:11 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration



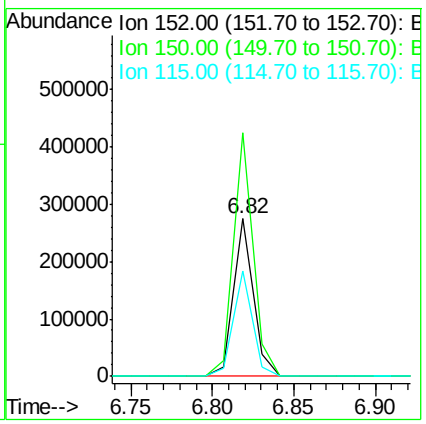


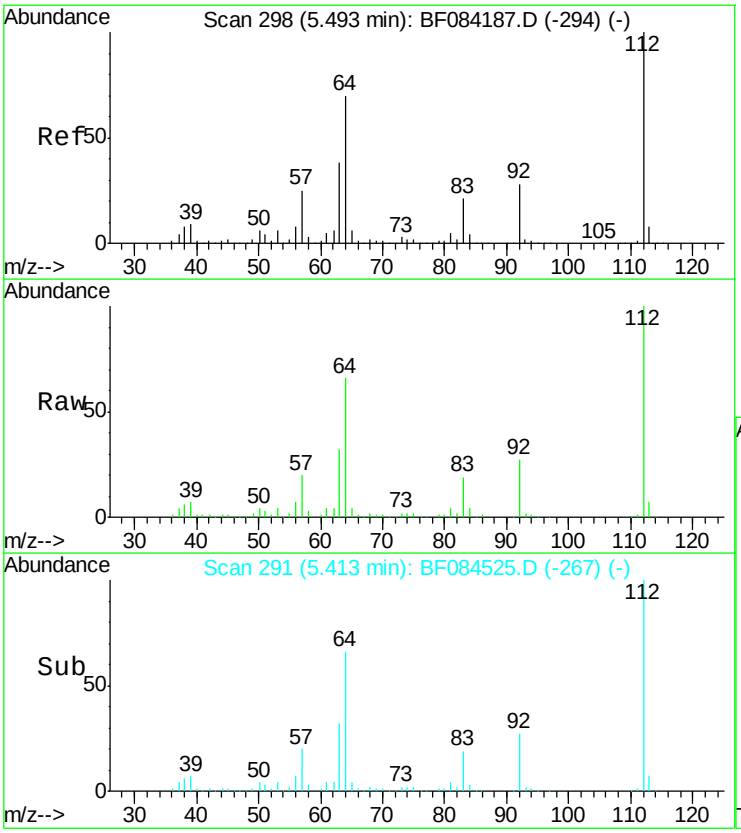
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 414
Delta R.T. -0.01 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Instrument :
BNA_F
ClientSampleId :
POST-EX-7-20160114

Tgt Ion:152 Resp: 226654

Ion	Ratio	Lower	Upper
152	100		
150	154.4	123.0	184.4
115	66.8	51.4	77.2

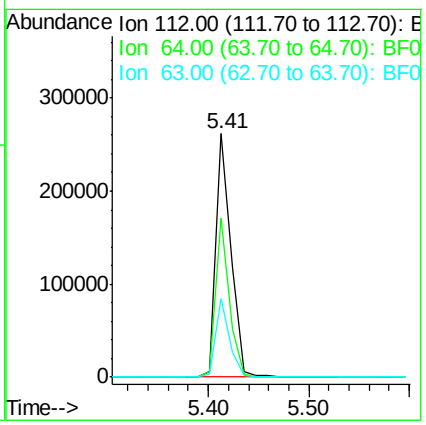


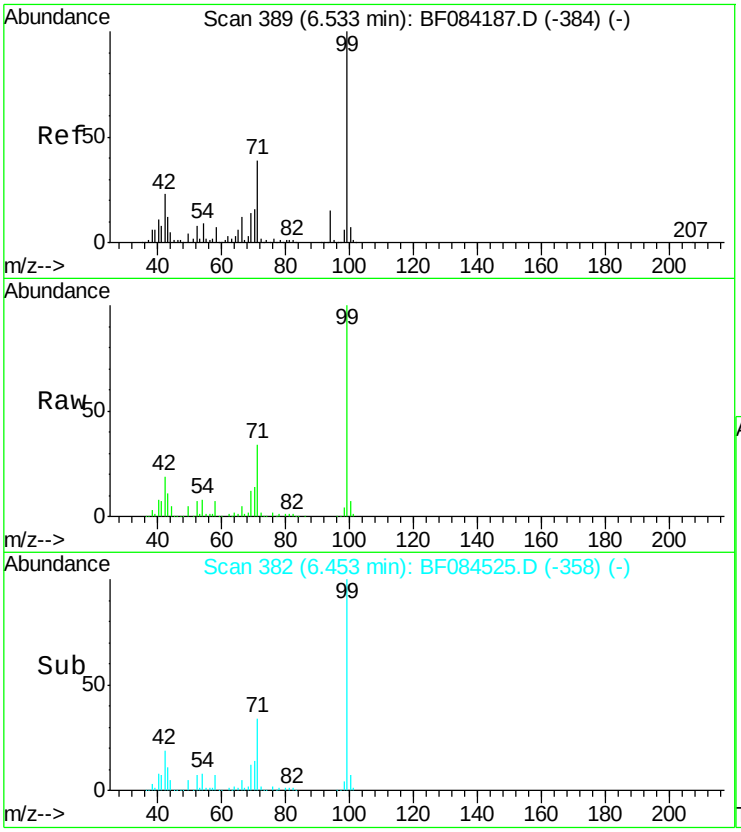


#5
2-Fluorophenol
Concen: 19.45 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.02 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Tgt Ion:112 Resp: 272495

Ion	Ratio	Lower	Upper
112	100		
64	65.6	36.6	55.0#
63	32.0	19.4	29.0#



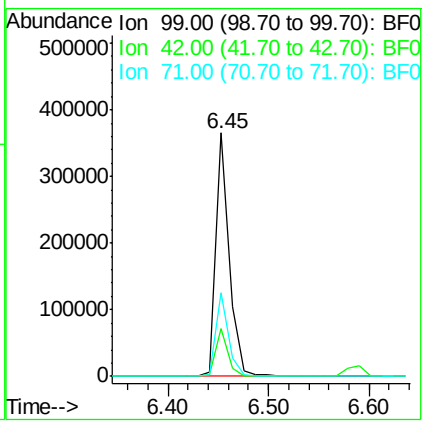


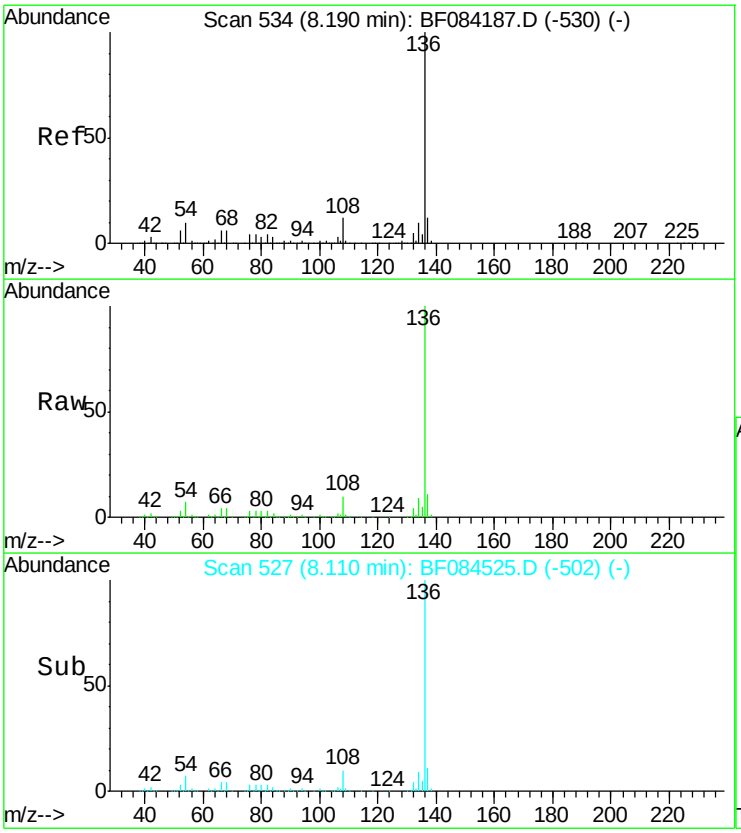
#7
Phenol-d6
Concen: 19.17 ng
RT: 6.45 min Scan# 382
Delta R.T. -0.02 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Instrument :
BNA_F
ClientSampleId :
POST-EX-7-20160114

Tgt Ion: 99 Resp: 337300

Ion	Ratio	Lower	Upper
99	100		
42	19.5	12.8	19.2#
71	34.2	30.9	46.3

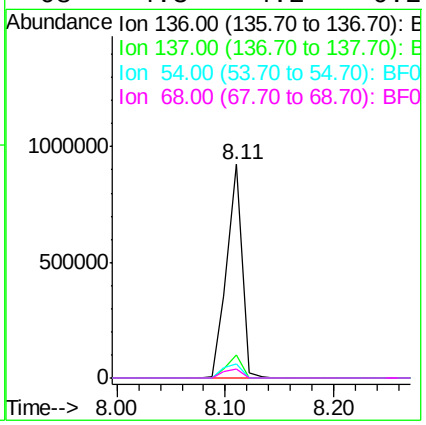


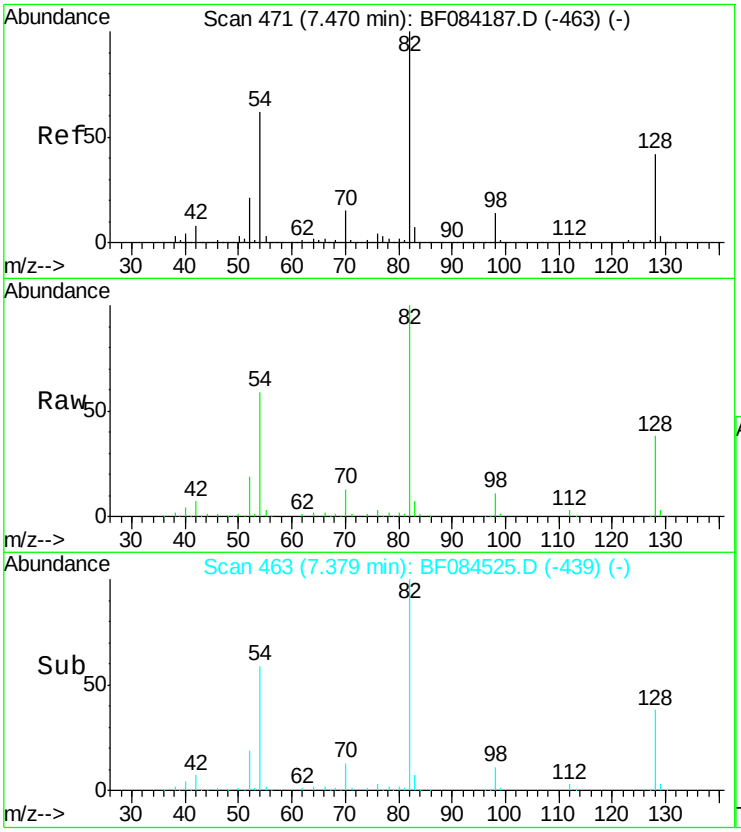


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.01 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Tgt Ion:136 Resp: 901852

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	6.8	5.8	8.8
68	4.3	4.2	6.2



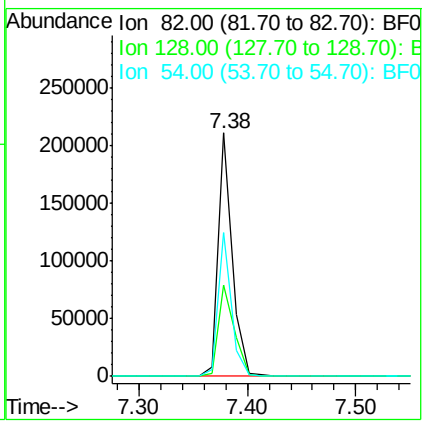


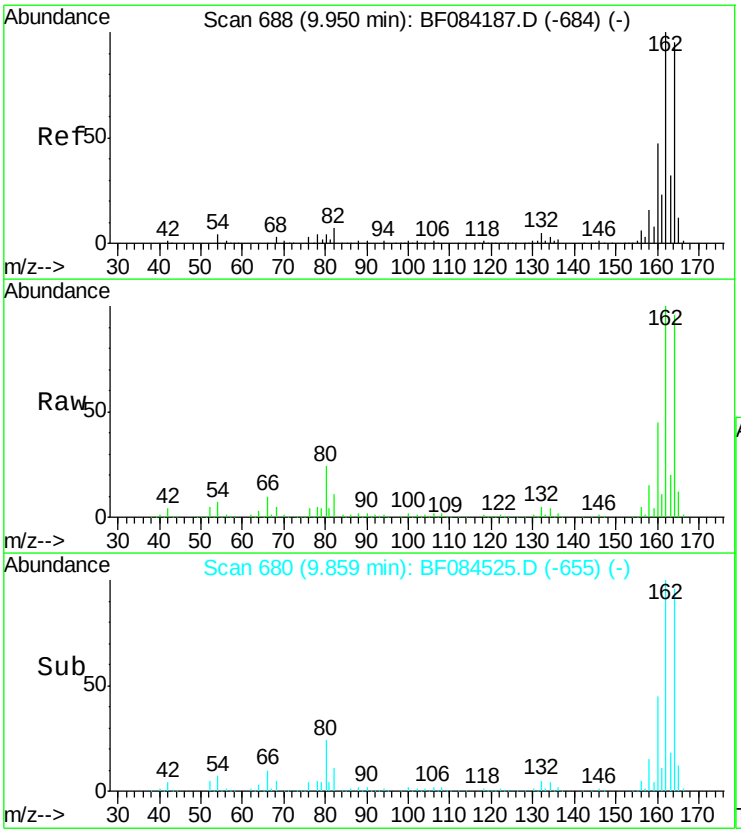
#23
Nitrobenzene-d5
Concen: 11.75 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.02 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Instrument :
BNA_F
ClientSampleId :
POST-EX-7-20160114

Tgt Ion: 82 Resp: 190357

Ion	Ratio	Lower	Upper
82	100		
128	37.6	34.6	51.8
54	59.1	38.4	57.6#

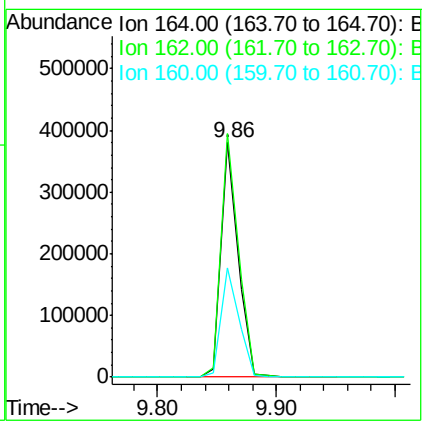


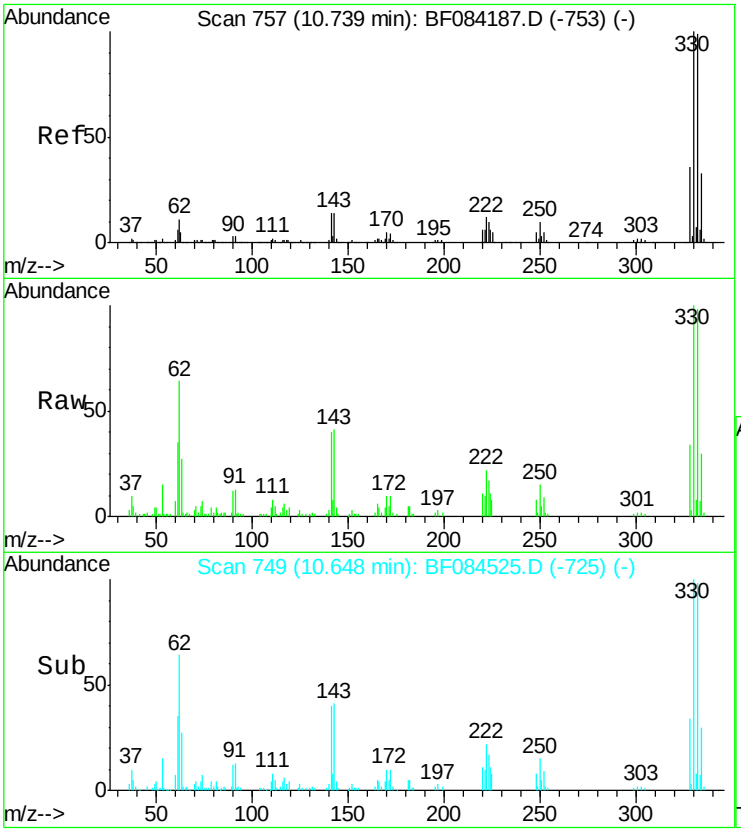


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.01 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Tgt Ion:164 Resp: 373757

Ion	Ratio	Lower	Upper
164	100		
162	104.0	85.1	127.7
160	46.8	37.5	56.3



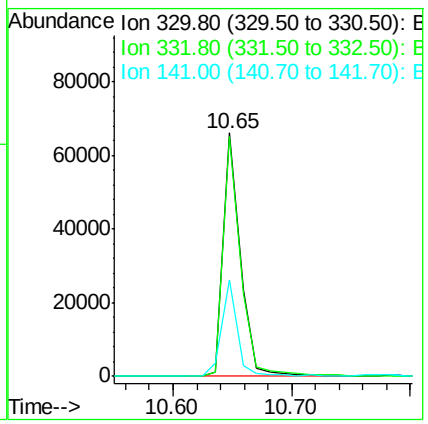


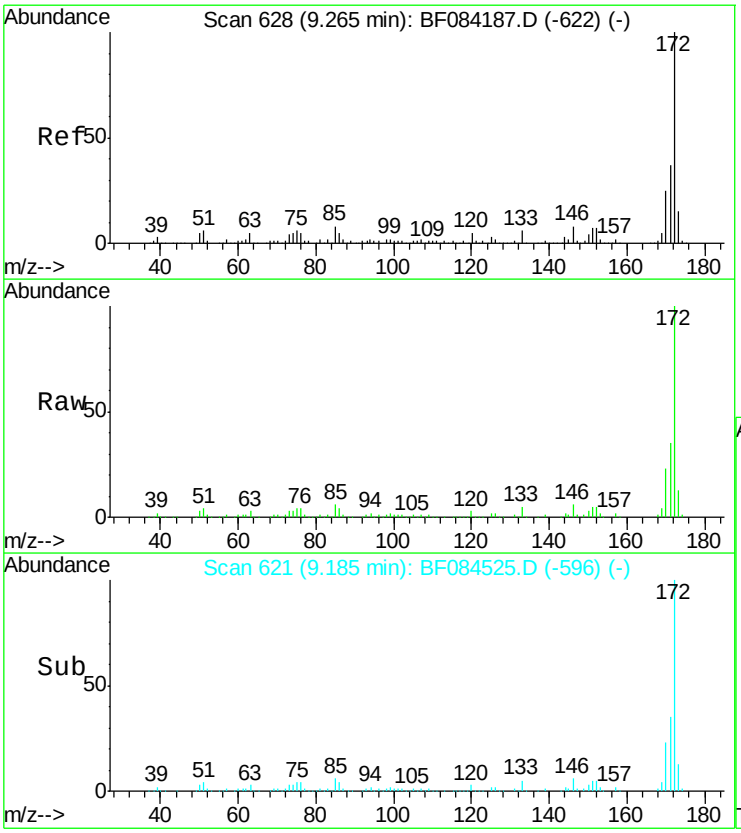
#41
2,4,6-Tribromophenol
Concen: 17.51 ng
RT: 10.65 min Scan# 749
Delta R.T. -0.02 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Instrument :
BNA_F
ClientSampleId :
POST-EX-7-20160114

Tgt Ion:330 Resp: 66056

Ion	Ratio	Lower	Upper
330	100		
332	99.3	76.6	114.8
141	35.7	27.8	41.6

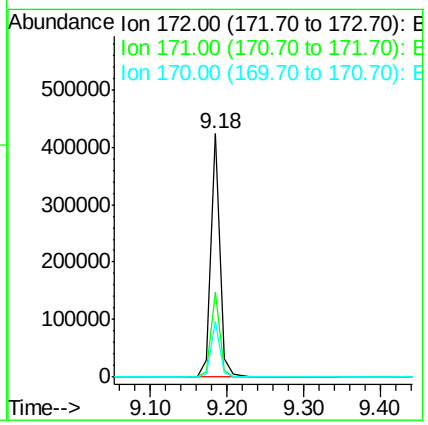


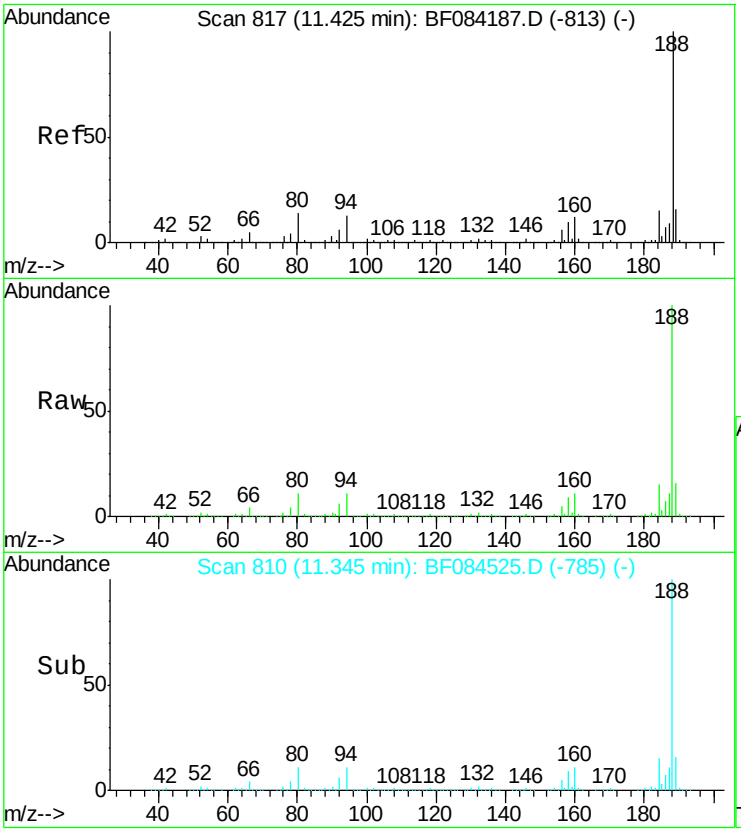


#44
2-Fluorobiphenyl
Concen: 10.50 ng
RT: 9.18 min Scan# 621
Delta R.T. -0.01 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Tgt Ion:172 Resp: 340938

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.9	43.3
170	22.8	18.6	27.8



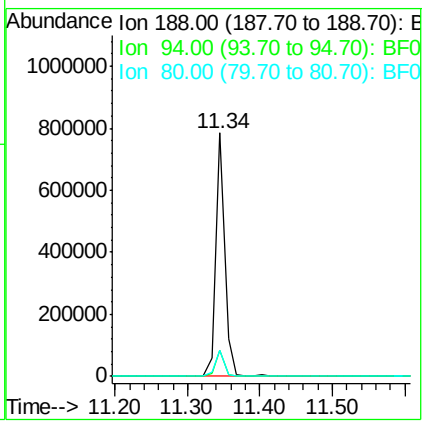


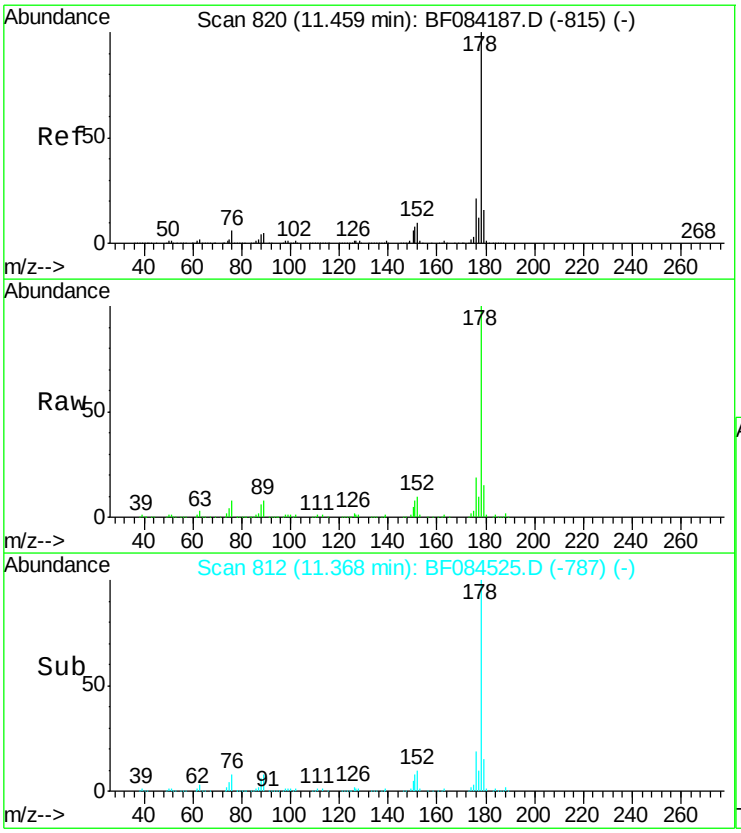
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Instrument :
BNA_F
ClientSampleId :
POST-EX-7-20160114

Tgt Ion:188 Resp: 673683

Ion	Ratio	Lower	Upper
188	100		
94	10.7	9.0	13.4
80	10.9	9.6	14.4

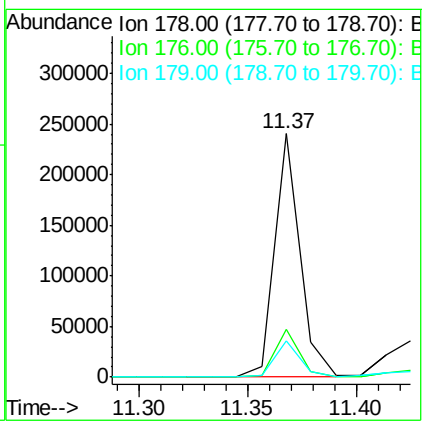


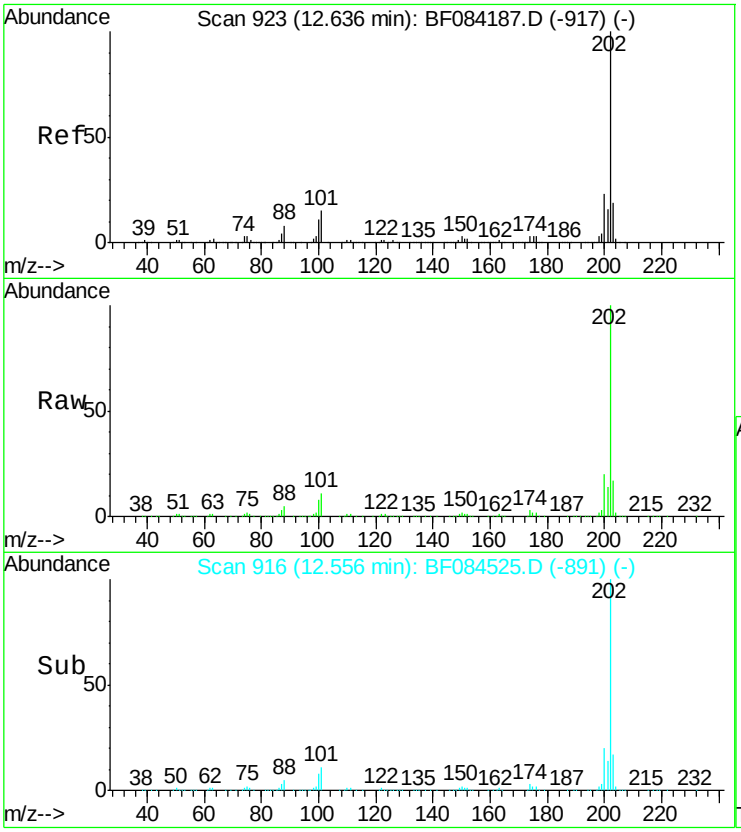


#70
Phenanthrene
Concen: 5.59 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Tgt Ion:178 Resp: 196827

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	14.9	12.0	18.0



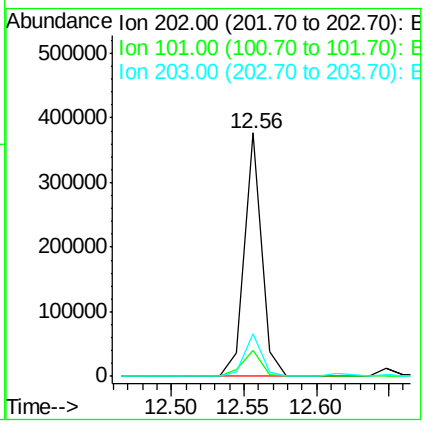


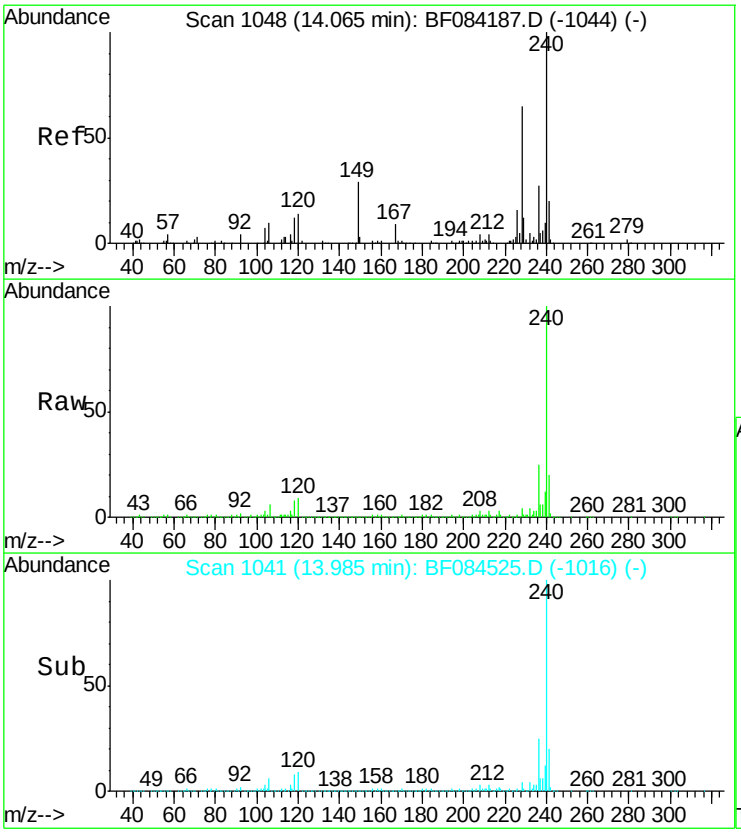
#74
Fluoranthene
Concen: 8.46 ng
RT: 12.56 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Instrument :
BNA_F
ClientSampleId :
POST-EX-7-20160114

Tgt Ion:202 Resp: 311587

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	32.8
203	17.5	0.0	37.9

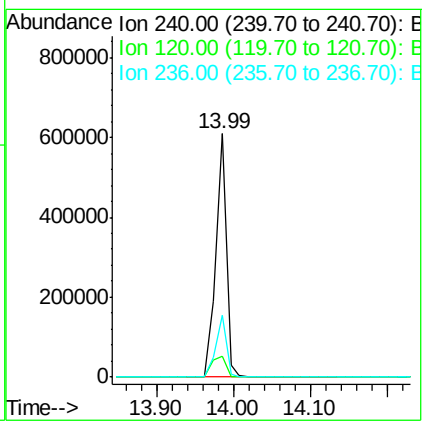


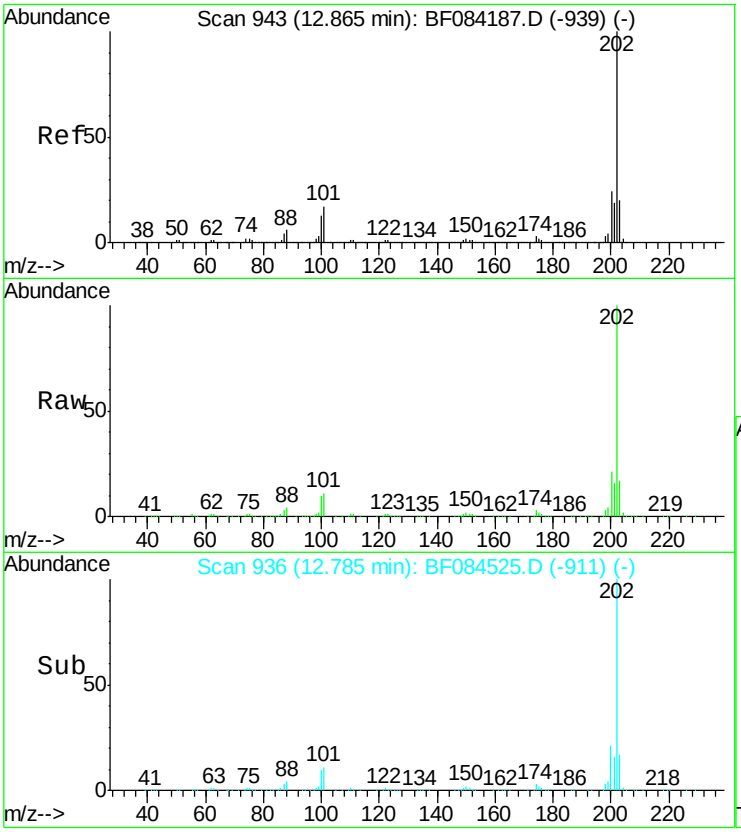


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Tgt Ion:240 Resp: 579075

Ion	Ratio	Lower	Upper
240	100		
120	8.7	9.5	14.3#
236	25.2	20.6	31.0



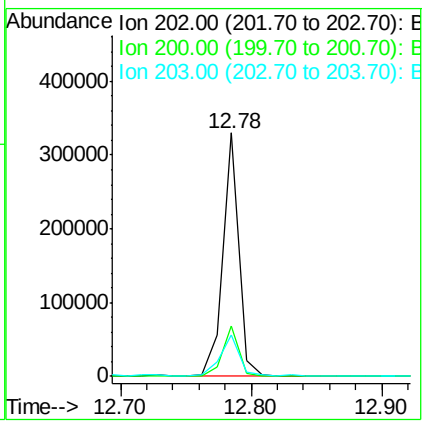


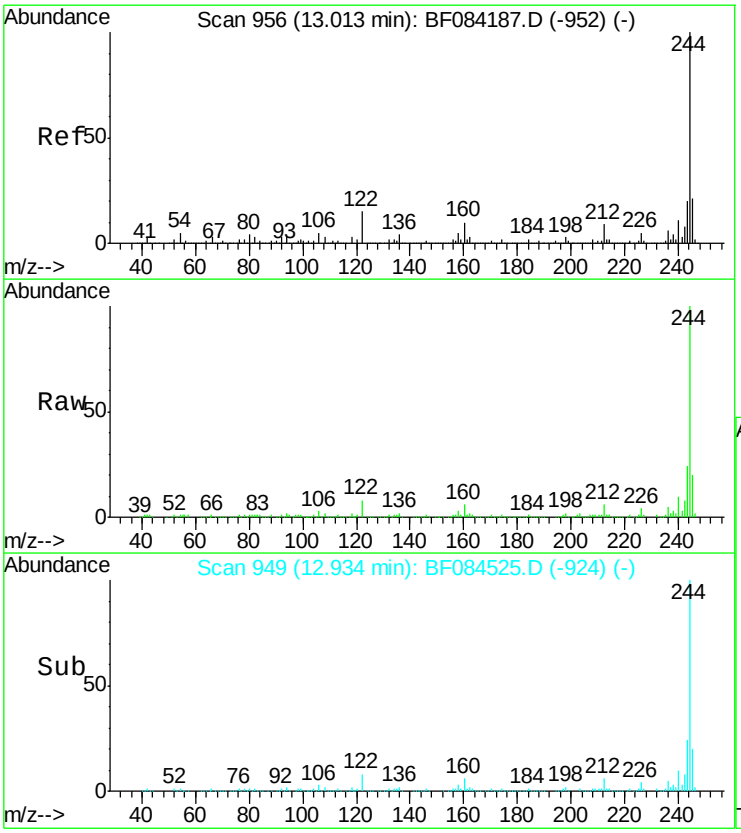
#77
Pyrene
Concen: 6.24 ng
RT: 12.78 min Scan# 936
Delta R.T. -0.01 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Instrument :
BNA_F
ClientSampleId :
POST-EX-7-20160114

Tgt Ion:202 Resp: 283711

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.2	25.8
203	17.2	14.3	21.5

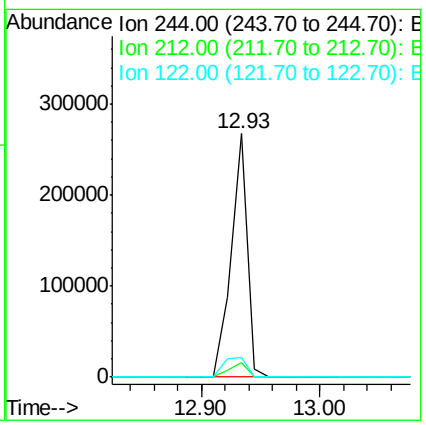


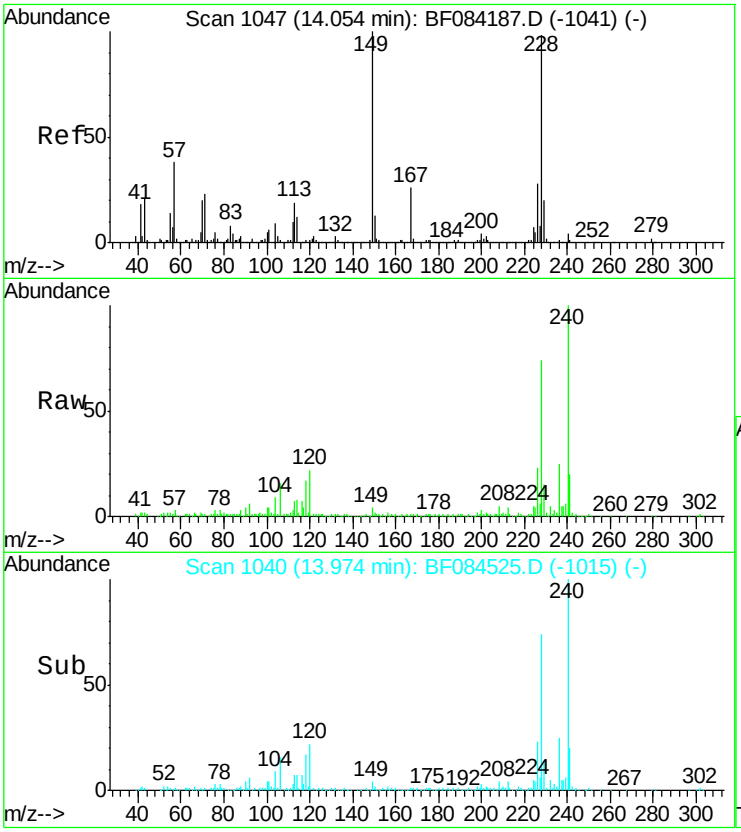


#78
Terphenyl-d14
Concen: 9.70 ng
RT: 12.93 min Scan# 949
Delta R.T. -0.01 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Tgt Ion:244 Resp: 251765

Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.7	8.5
122	8.3	7.4	11.0



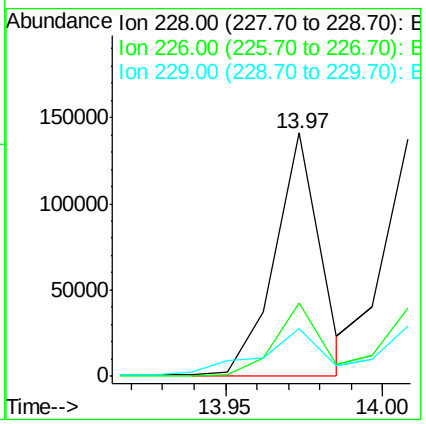


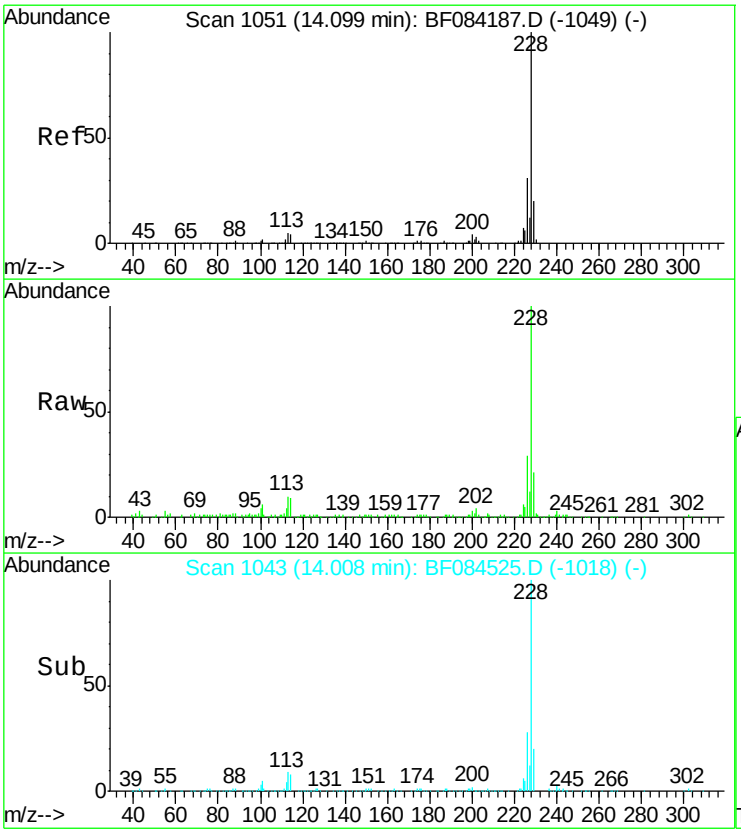
#80
Benzo(a)anthracene
Concen: 4.12 ng m
RT: 13.97 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Instrument :
BNA_F
ClientSampleId :
POST-EX-7-20160114

Tgt Ion:228 Resp: 139977

Ion	Ratio	Lower	Upper
228	100		
226	30.3	21.8	32.6
229	19.7	15.8	23.8

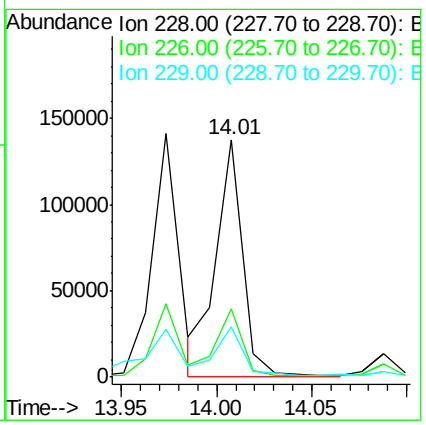


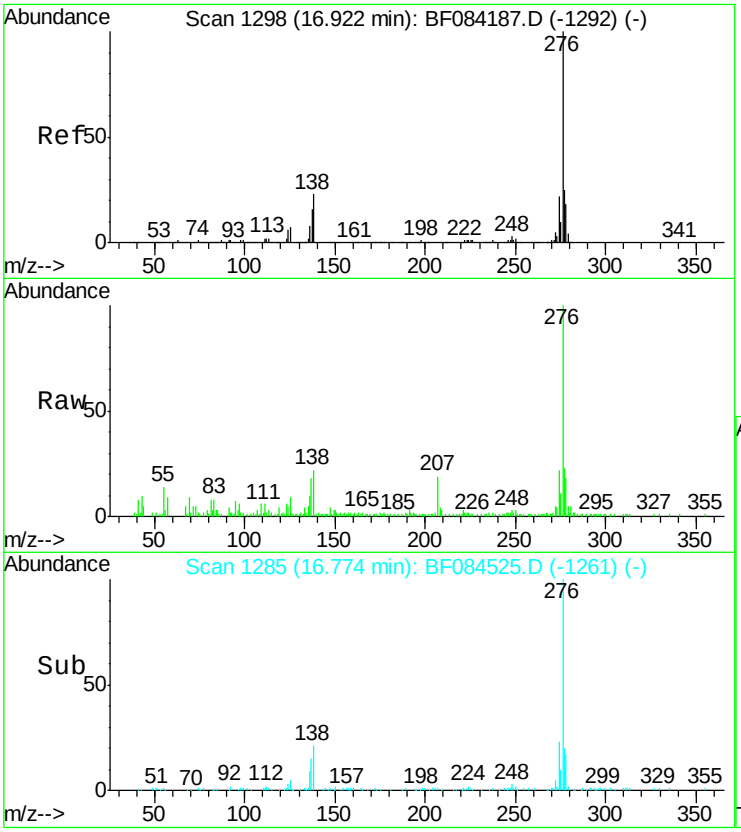


#82
Chrysene
Concen: 4.13 ng m
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Tgt Ion:228 Resp: 135025

Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.3	36.5
229	21.2	16.1	24.1



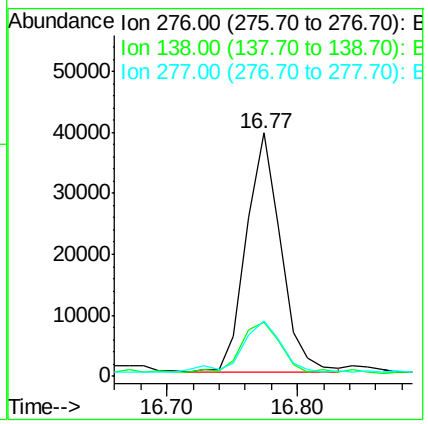


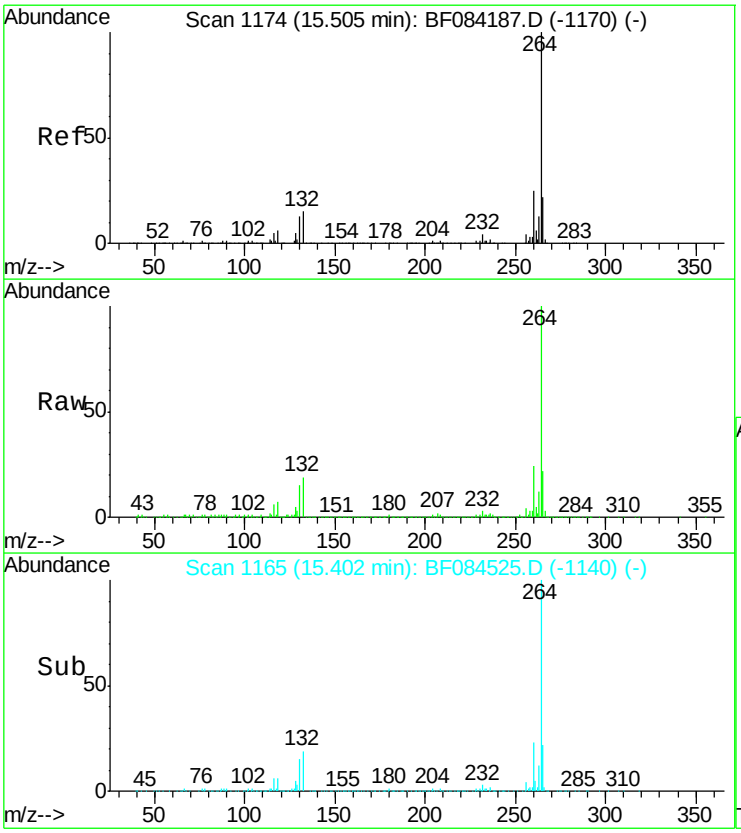
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.78 ng
RT: 16.77 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Instrument :
BNA_F
ClientSampleId :
POST-EX-7-20160114

Tgt Ion:276 Resp: 72045

Ion	Ratio	Lower	Upper
276	100		
138	25.6	20.6	30.8
277	25.3	20.1	30.1

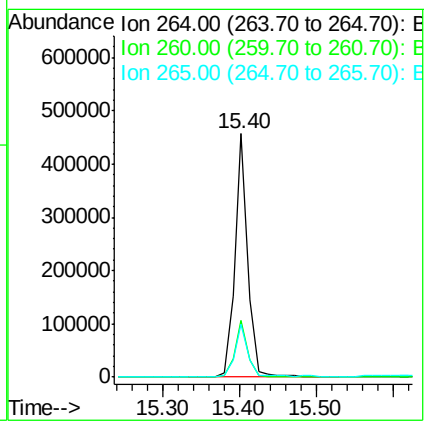


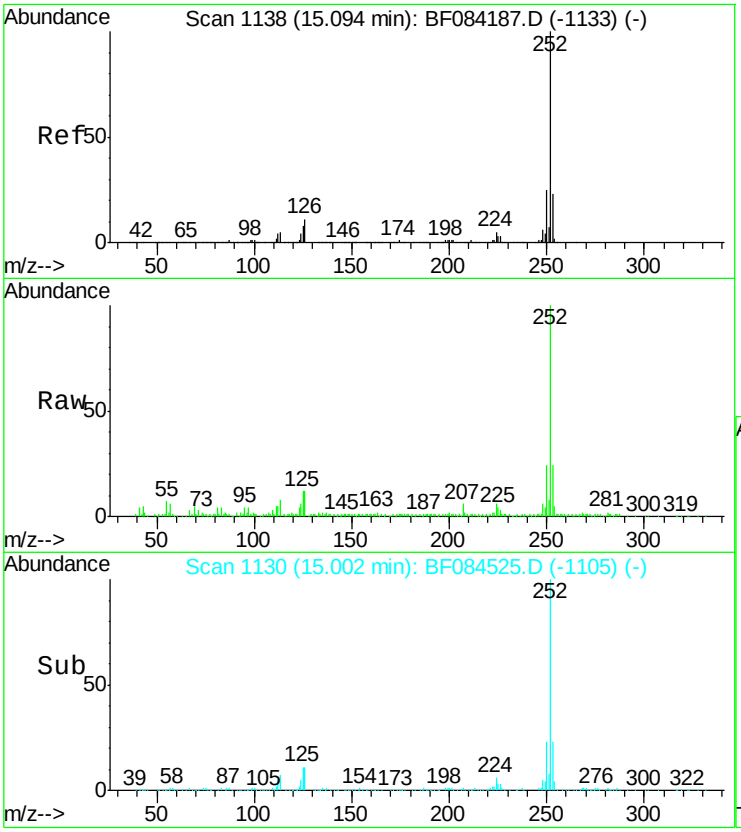


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Tgt Ion:264 Resp: 542928

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	21.8	17.8	26.6



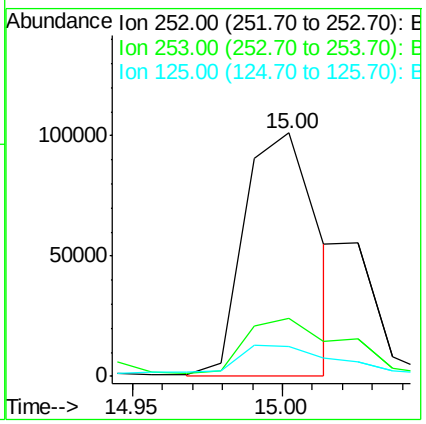


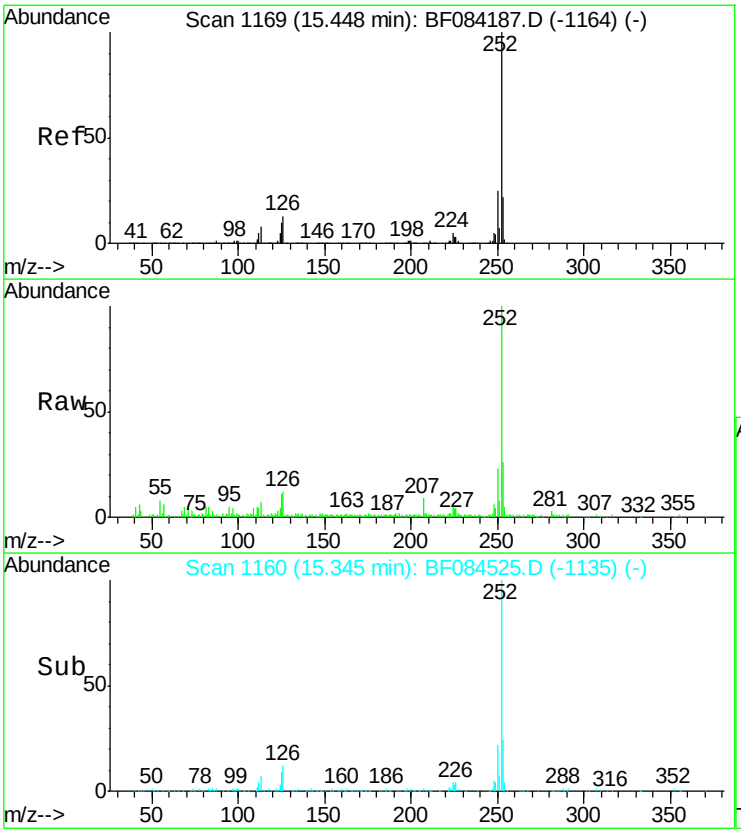
#87
Benzo(b)fluoranthene
Concen: 4.87 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Instrument :
BNA_F
ClientSampleId :
POST-EX-7-20160114

Tgt Ion:252 Resp: 173041

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.3	25.9
125	12.5	6.5	9.7#

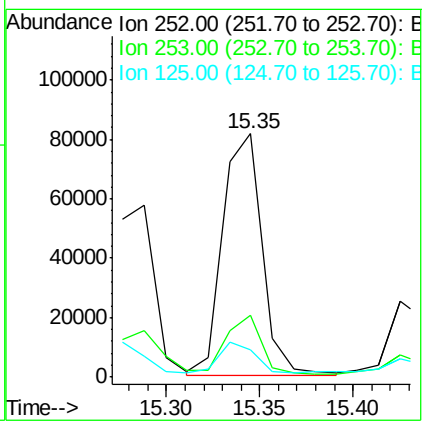


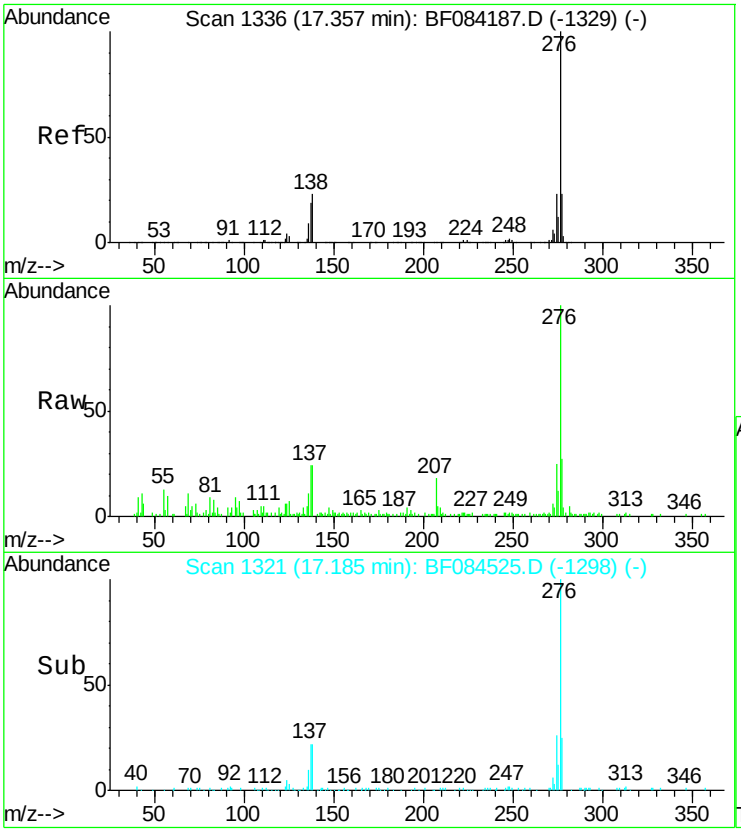


#89
Benzo(a)pyrene
Concen: 4.00 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Tgt Ion:252 Resp: 120527

Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.3	25.9
125	11.0	7.0	10.4#





#91
Benzo(g,h,i)perylene
Concen: 2.78 ng
RT: 17.19 min Scan# 1321
Delta R.T. -0.03 min
Lab File: BF084525.D
Acq: 16 Jan 2016 7:41

Instrument :
BNA_F
ClientSampleId :
POST-EX-7-20160114

Tgt Ion:276 Resp: 74675

Ion	Ratio	Lower	Upper
276	100		
277	26.7	18.8	28.2
138	24.0	17.8	26.6