Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084472.D
Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

Quant Time: Jan 14 16:45:48 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	6.83	152	215912	20.00	ng		0.00
21) Naphthalene-d8	8.12	136	507016	20.00	ng		0.00
38) Acenaphthene-d10	9.89	164	334489	20.00	ng		0.02
63) Phenanthrene-d10	11.38	188	627495	20.00	ng		0.02
75) Chrysene-d12	14.00	240	710120	20.00	ng		0.00
86) Perylene-d12	15.40	264	540948	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.45	112	1775568	133.01	ng		0.01
7) Phenol-d6	6.48	99	1954868	116.60	ng		0.00
23) Nitrobenzene-d5	7.40	82	1281113	140.63	ng		0.00
41) 2,4,6-Tribromophenol	10.68	330	335939	99.48	ng		0.01
44) 2-Fluorobiphenyl	9.21	172	1530042	80.10	ng		0.01
78) Terphenyl-d14	12.96	244	1670925	52.52	ng		0.01
Target Compounds							Qvalue
31) Naphthalene	8.16	128	2254786	98.02	ng	#	95
37) 2-Methylnaphthalene	8.85	142	3559543	215.56	ng	#	96
45) 1,1'-Biphenyl	9.31	154	392256	14.76	ng		95
49) Dimethylphthalate	9.61	163	240280	10.05	ng	#	72
51) Acenaphthene	9.93	154	292515m	14.14	ng		
57) Fluorene	10.44	166	488850	22.39	ng	#	89
70) Phenanthrene	11.40	178	1385034	42.20	ng	#	93
74) Fluoranthene	12.58	202	72671	2.12	ng		61
77) Pyrene	12.81	202	372742	6.69	ng	#	94

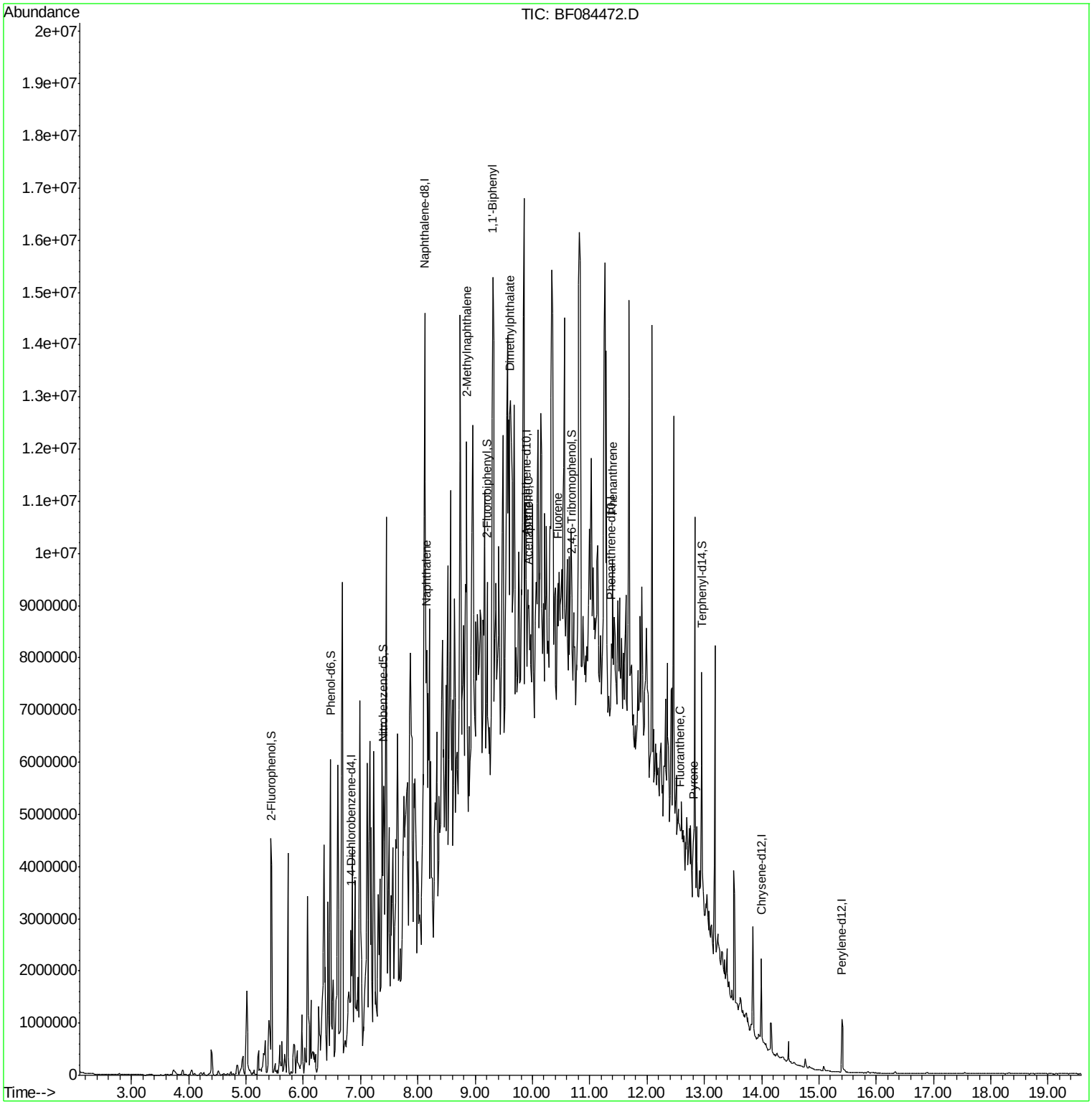
(#) = qualifier out of range (m) = manual integration (+) = signals summed

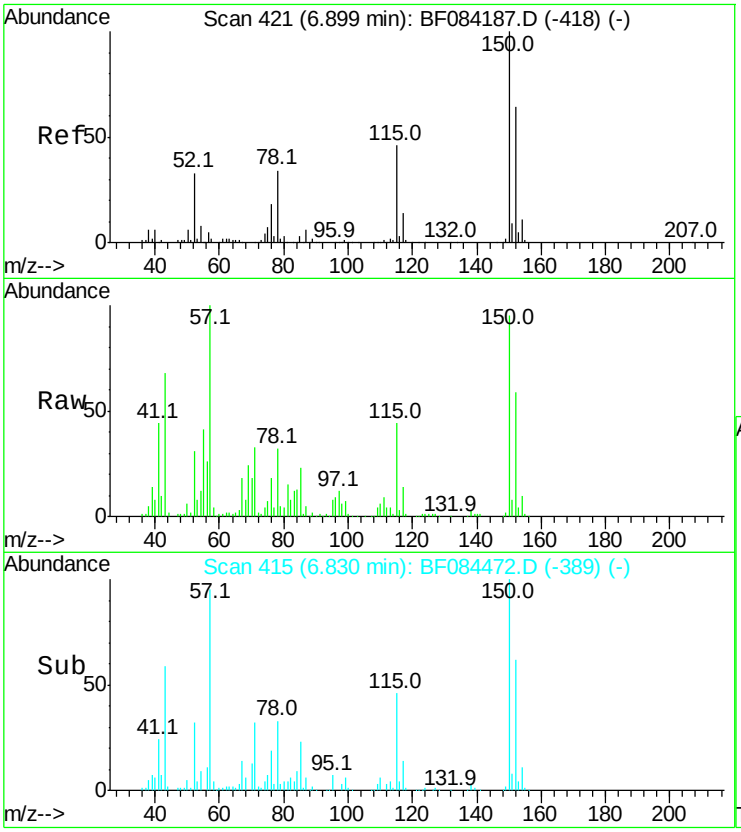
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084472.D
Acq On : 14 Jan 2016 6:25
Operator : SJ/UM
Sample : G4988-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RX2

Quant Time: Jan 14 16:45:48 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



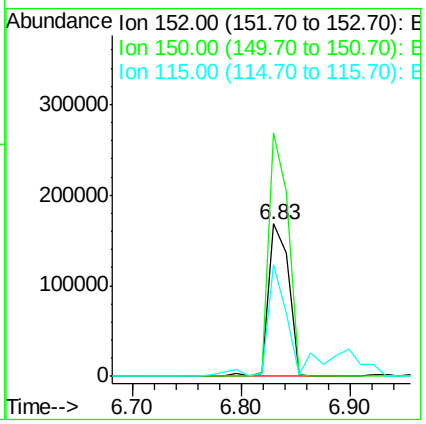


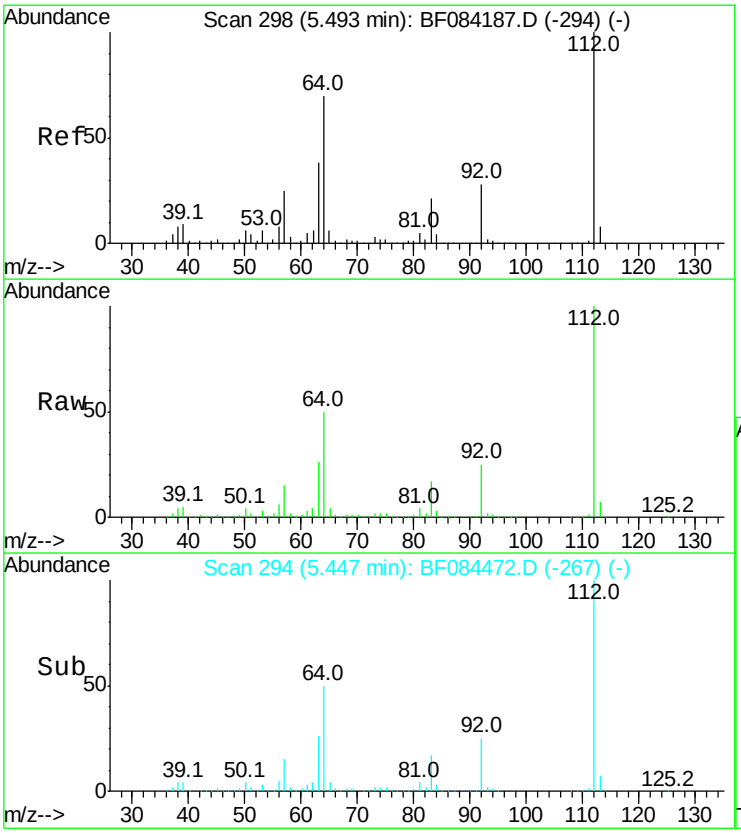
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. 0.00 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Instrument :
BNA_F
ClientSampleId :
RX2

Tgt Ion:152 Resp: 215912

Ion	Ratio	Lower	Upper
152	100		
150	160.1	123.0	184.4
115	73.5	51.4	77.2

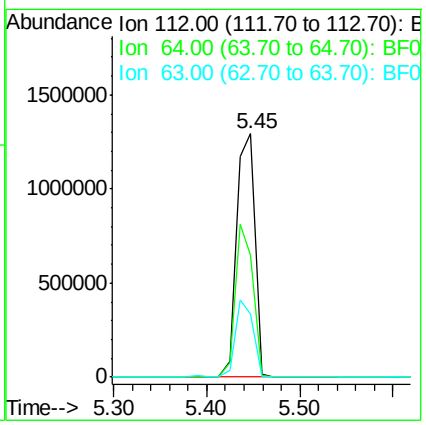


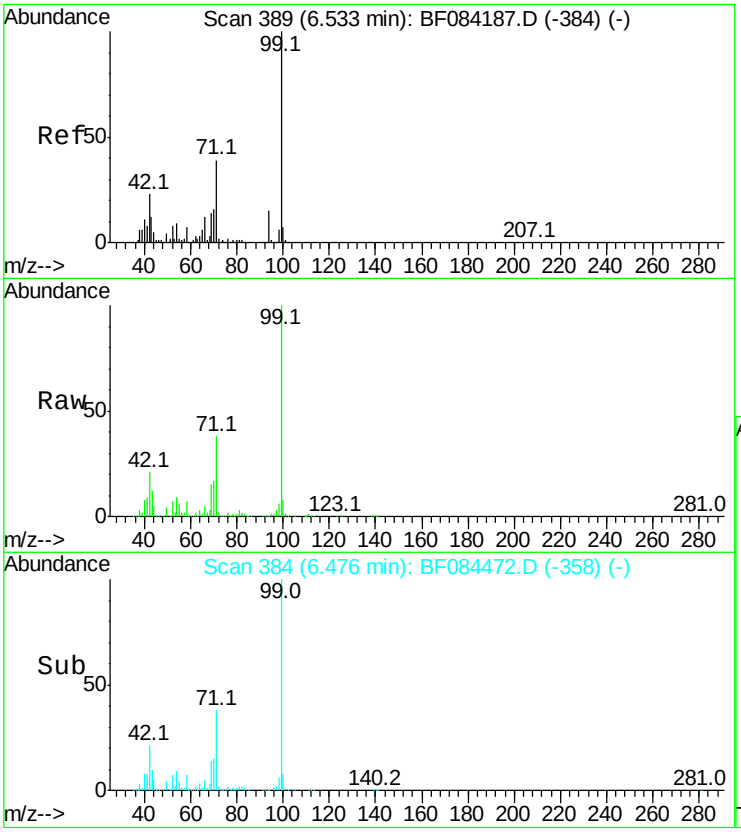


#5
2-Fluorophenol
Concen: 133.01 ng
RT: 5.45 min Scan# 294
Delta R.T. 0.01 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Tgt Ion:112 Resp: 1775568

Ion	Ratio	Lower	Upper
112	100		
64	50.3	36.6	55.0
63	25.7	19.4	29.0



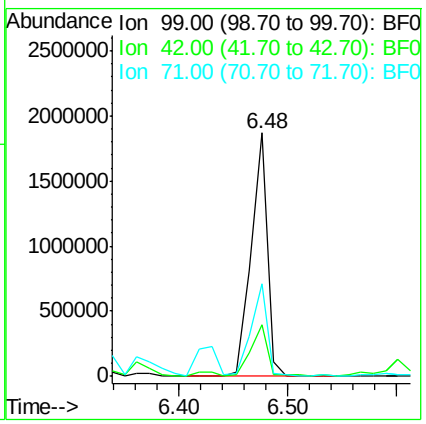


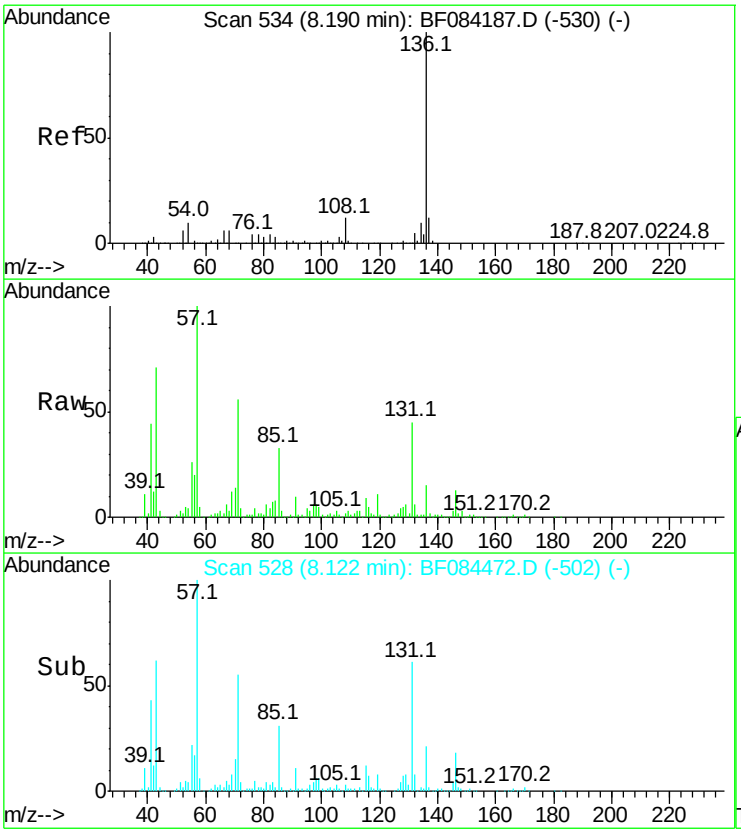
#7
Phenol-d6
Concen: 116.60 ng
RT: 6.48 min Scan# 384
Delta R.T. 0.00 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Instrument :
BNA_F
ClientSampleId :
RX2

Tgt Ion: 99 Resp: 1954868

Ion	Ratio	Lower	Upper
99	100		
42	21.2	12.8	19.2#
71	37.8	30.9	46.3

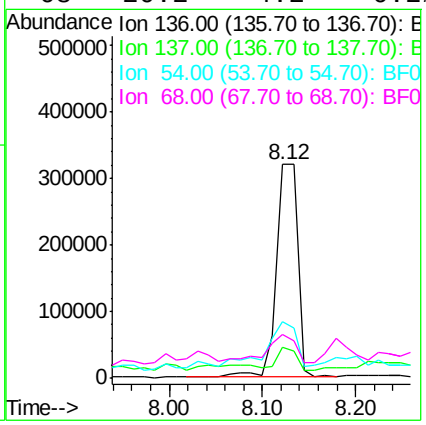


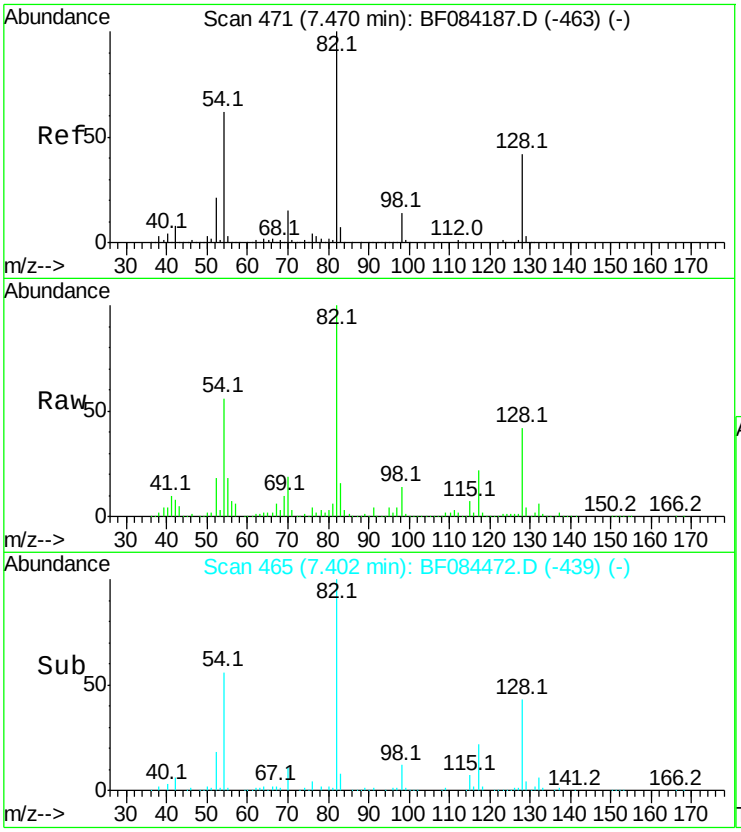


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. 0.00 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Tgt Ion:136 Resp: 507016

Ion	Ratio	Lower	Upper
136	100		
137	14.1	8.7	13.1#
54	26.2	5.8	8.8#
68	20.2	4.2	6.2#



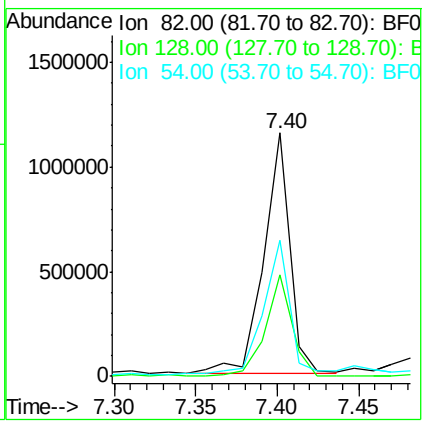


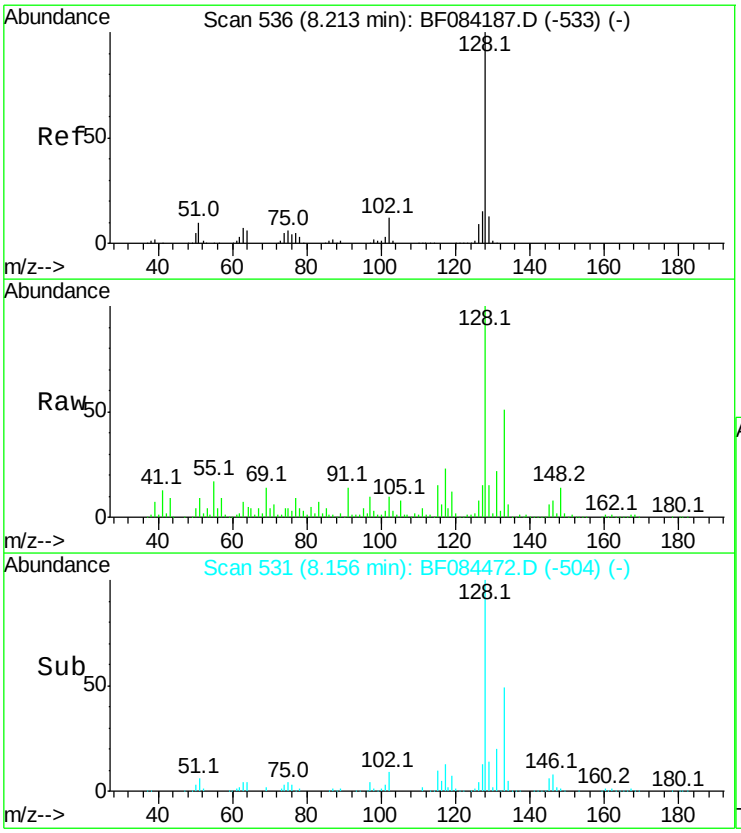
#23
Nitrobenzene-d5
Concen: 140.63 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.00 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Instrument :
BNA_F
ClientSampleId :
RX2

Tgt Ion: 82 Resp: 1281113

Ion	Ratio	Lower	Upper
82	100		
128	41.8	34.6	51.8
54	56.0	38.4	57.6

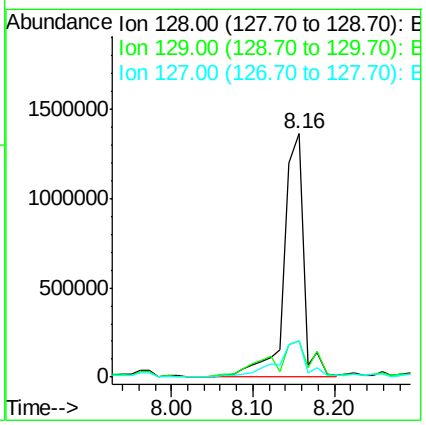


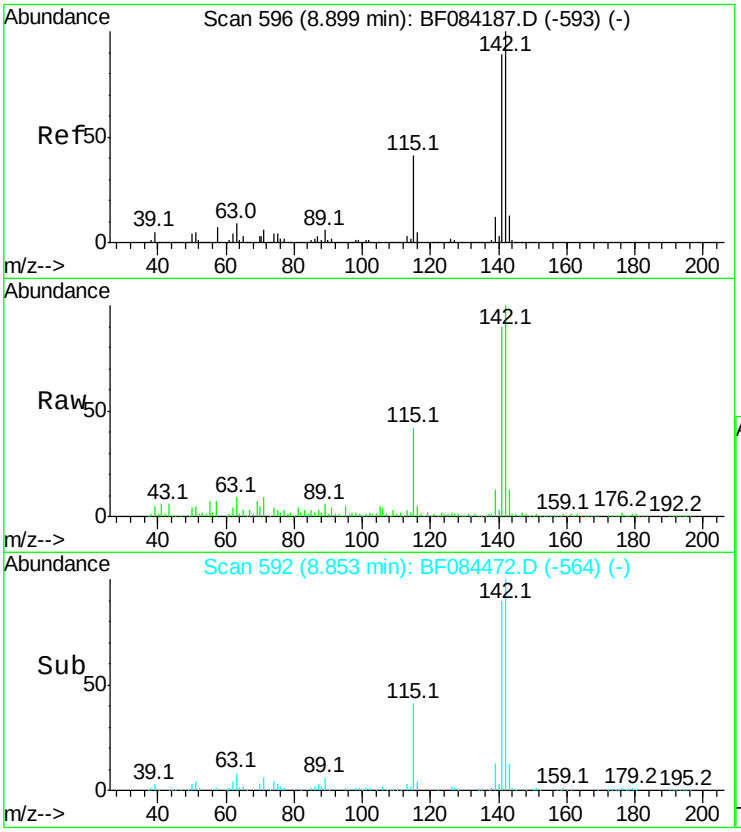


#31
Naphthalene
Concen: 98.02 ng
RT: 8.16 min Scan# 531
Delta R.T. 0.01 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Tgt Ion:128 Resp: 2254786

Ion	Ratio	Lower	Upper
128	100		
129	14.8	9.1	13.7#
127	15.0	11.1	16.7



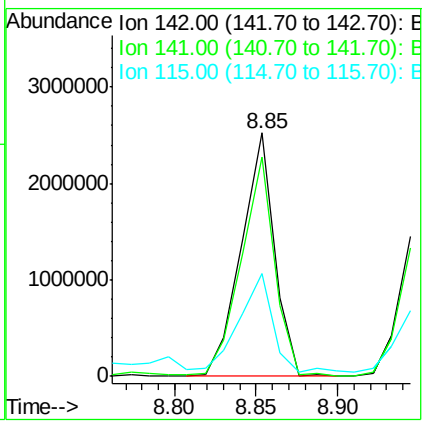


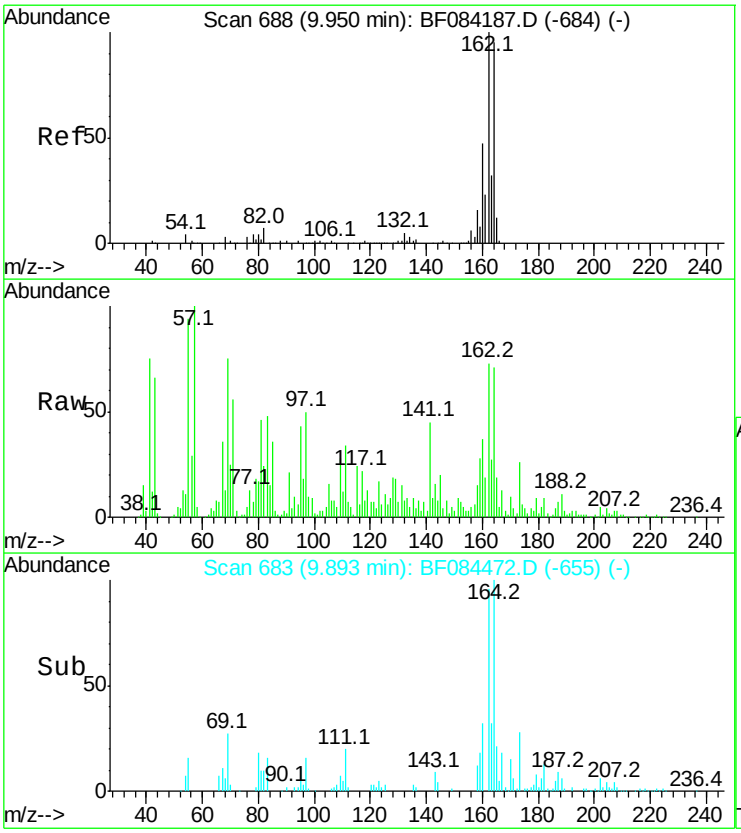
#37
2-Methylnaphthalene
Concen: 215.56 ng
RT: 8.85 min Scan# 592
Delta R.T. 0.02 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Instrument :
BNA_F
ClientSampleId :
RX2

Tgt Ion:142 Resp: 3559543

Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.4	108.6
115	42.4	27.9	41.9#

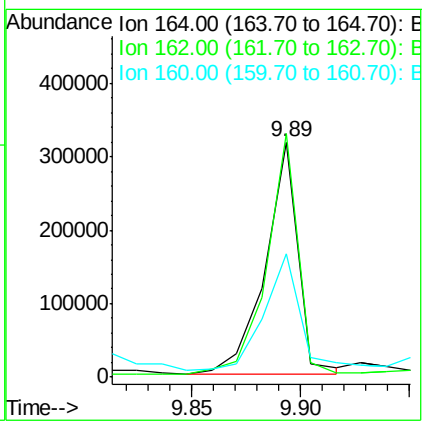


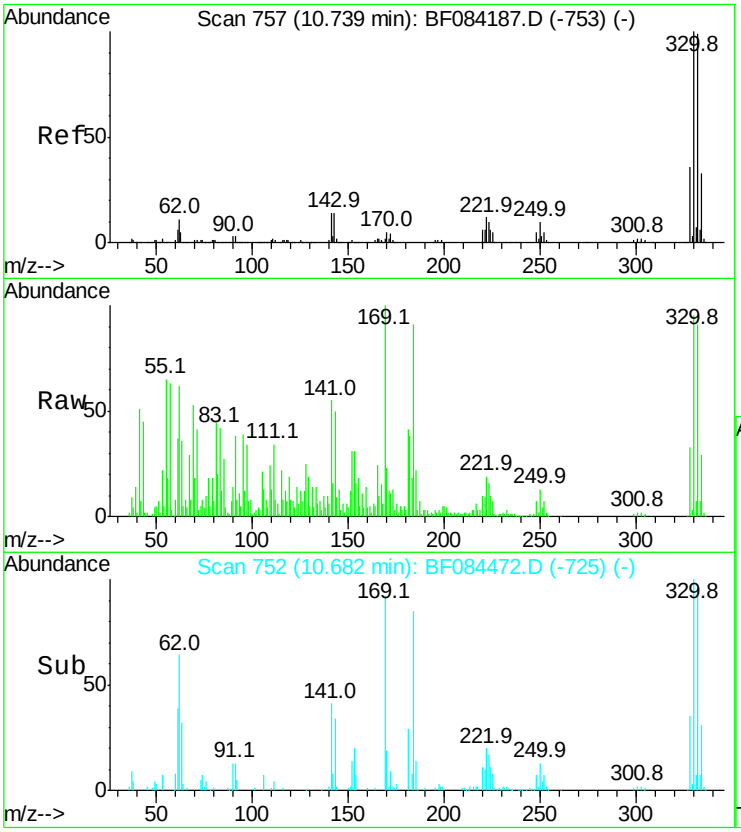


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 683
Delta R.T. 0.02 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Tgt Ion:164 Resp: 334489

Ion	Ratio	Lower	Upper
164	100		
162	103.6	85.1	127.7
160	52.6	37.5	56.3



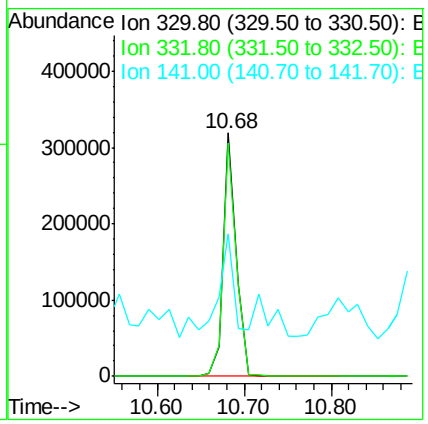


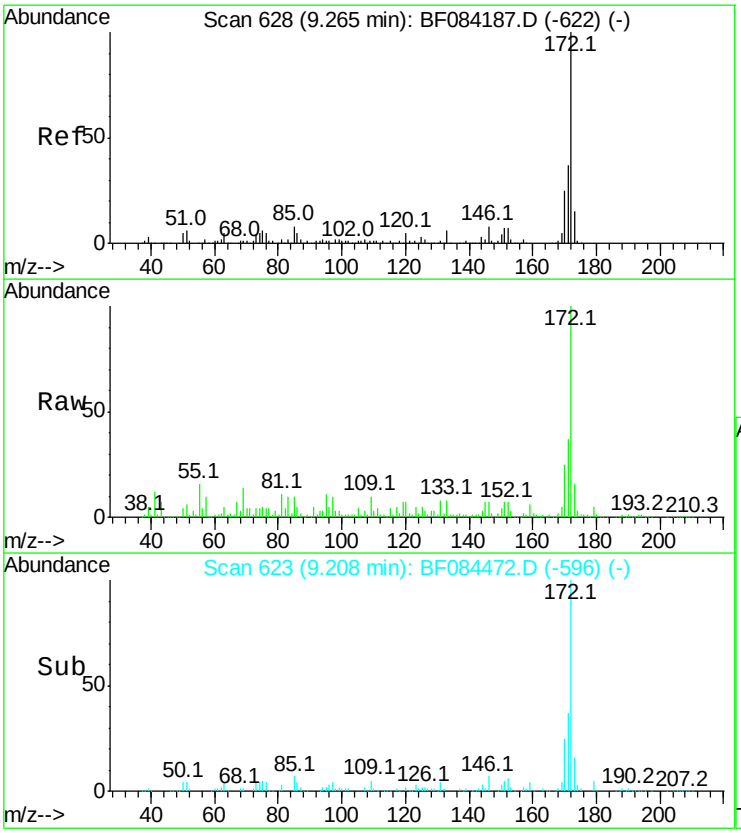
#41
2,4,6-Tribromophenol
Concen: 99.48 ng
RT: 10.68 min Scan# 752
Delta R.T. 0.01 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Instrument :
BNA_F
ClientSampleId :
RX2

Tgt Ion:330 Resp: 335939

Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.6	114.8
141	37.7	27.8	41.6

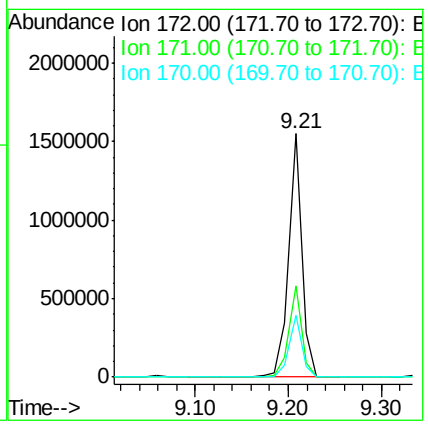


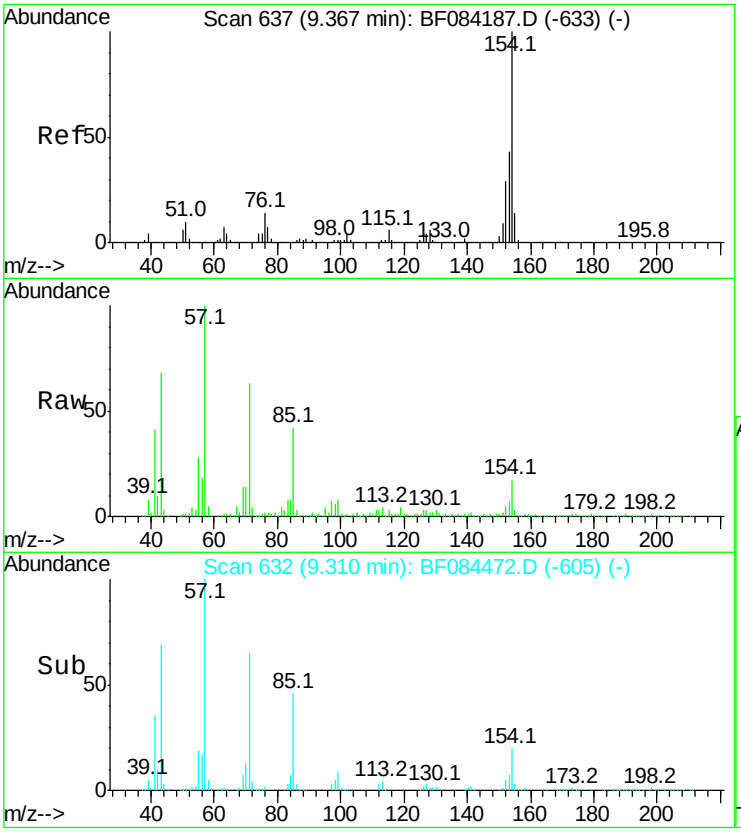


#44
2-Fluorobiphenyl
Concen: 80.10 ng
RT: 9.21 min Scan# 623
Delta R.T. 0.01 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Tgt Ion:172 Resp: 1530042

Ion	Ratio	Lower	Upper
172	100		
171	37.3	28.9	43.3
170	25.2	18.6	27.8



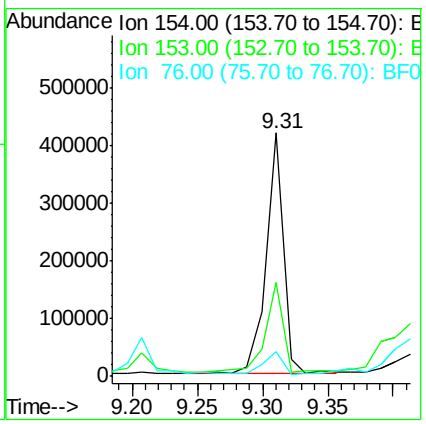


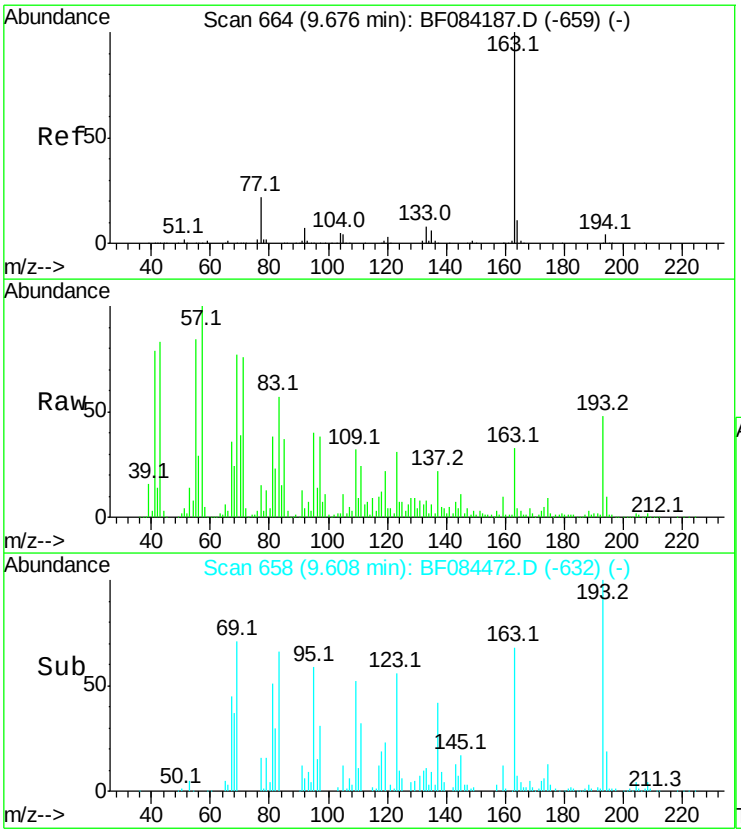
#45
1,1'-Biphenyl
Concen: 14.76 ng
RT: 9.31 min Scan# 632
Delta R.T. 0.01 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Instrument :
BNA_F
ClientSampleId :
RX2

Tgt Ion:154 Resp: 392256

Ion	Ratio	Lower	Upper
154	100		
153	38.6	21.6	61.6
76	10.3	0.0	32.7

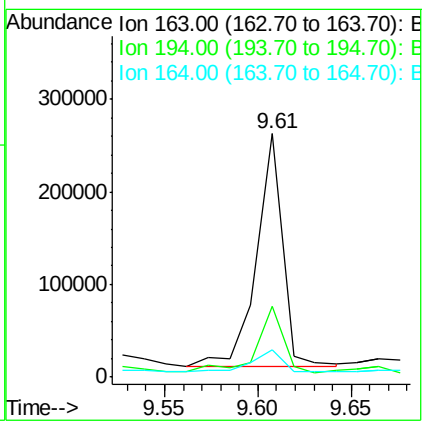


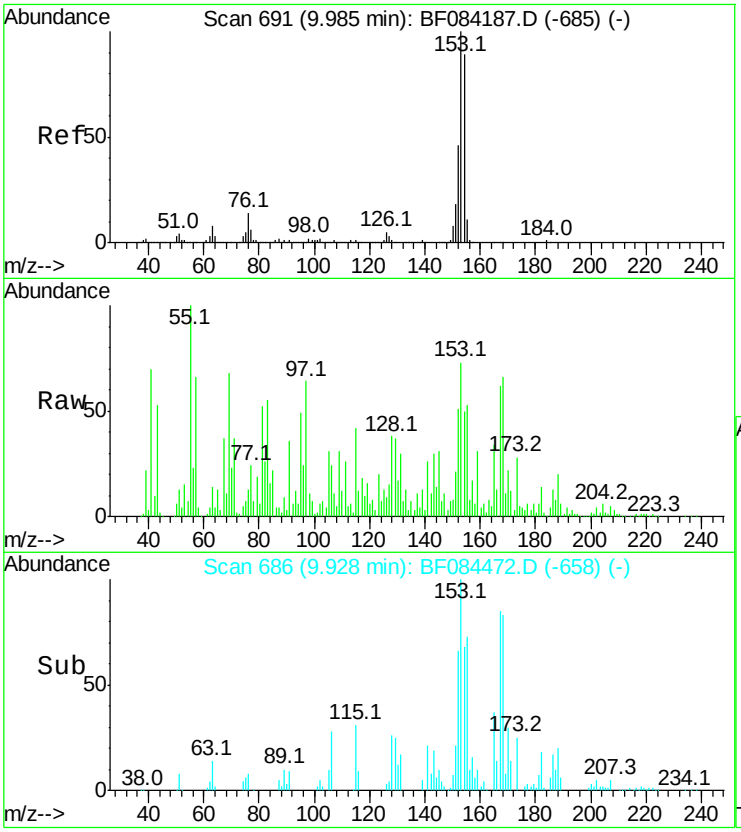


#49
Dimethylphthalate
Concen: 10.05 ng
RT: 9.61 min Scan# 658
Delta R.T. 0.00 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Tgt Ion:163 Resp: 240280

Ion	Ratio	Lower	Upper
163	100		
194	29.0	8.0	12.0#
164	11.4	8.0	12.0



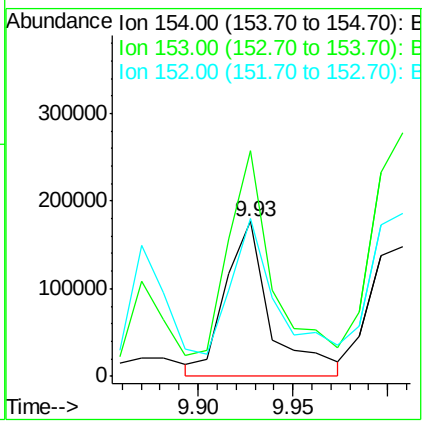


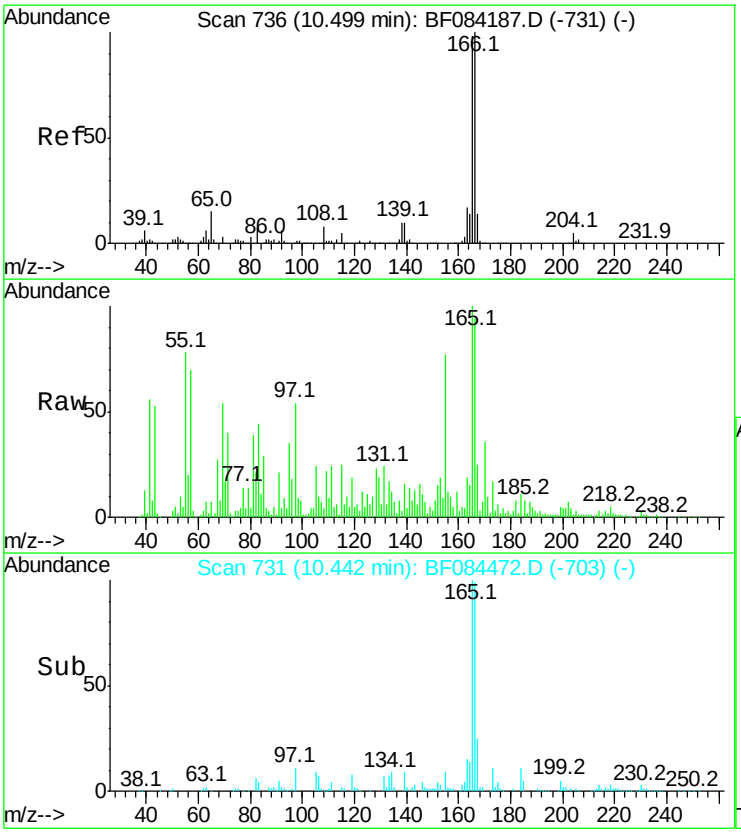
#51
Acenaphthene
Concen: 14.14 ng m
RT: 9.93 min Scan# 686
Delta R.T. 0.02 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Instrument :
BNA_F
ClientSampleId :
RX2

Tgt Ion:154 Resp: 292515

Ion	Ratio	Lower	Upper
154	100		
153	146.0	91.5	137.3#
152	101.8	43.0	64.6#

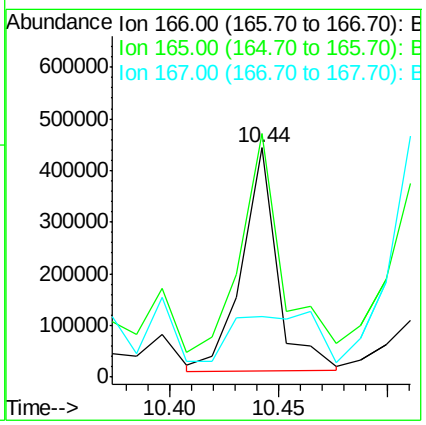


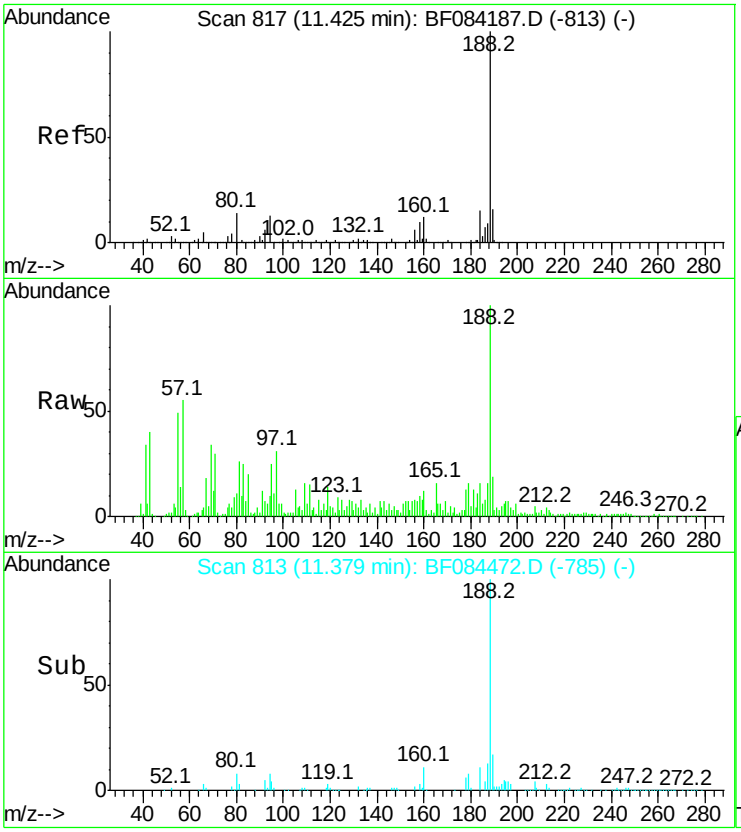


#57
Fluorene
Concen: 22.39 ng
RT: 10.44 min Scan# 731
Delta R.T. 0.02 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Tgt Ion:166 Resp: 488850

Ion	Ratio	Lower	Upper
166	100		
165	106.3	79.1	118.7
167	26.6	10.4	15.6#



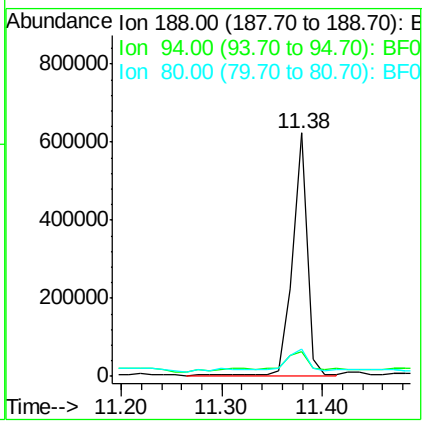


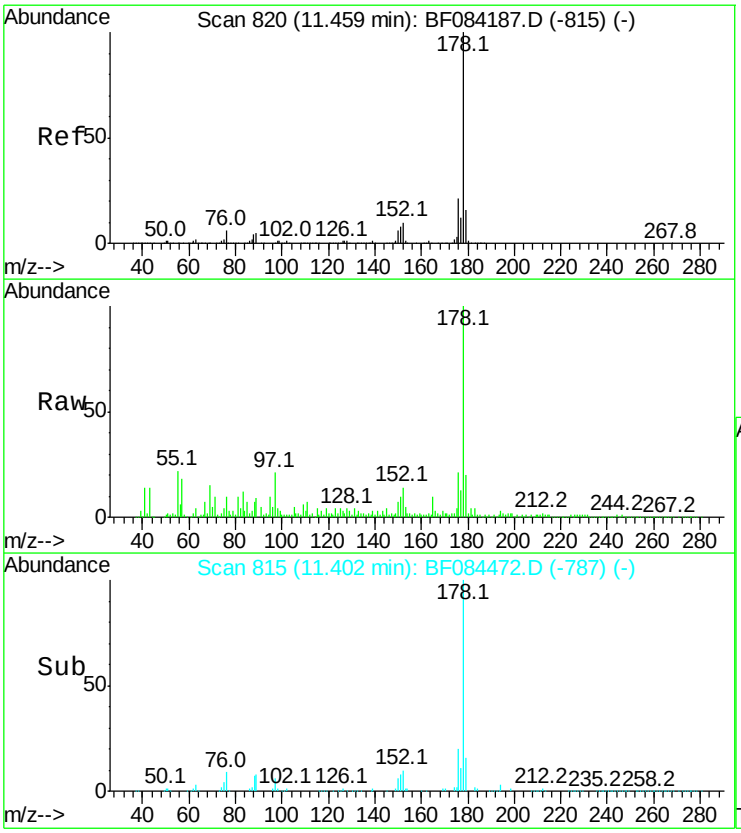
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. 0.02 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Instrument :
BNA_F
ClientSampleId :
RX2

Tgt Ion:188 Resp: 627495

Ion	Ratio	Lower	Upper
188	100		
94	10.4	9.0	13.4
80	11.2	9.6	14.4

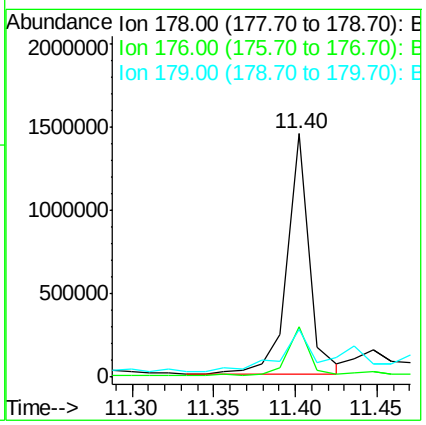


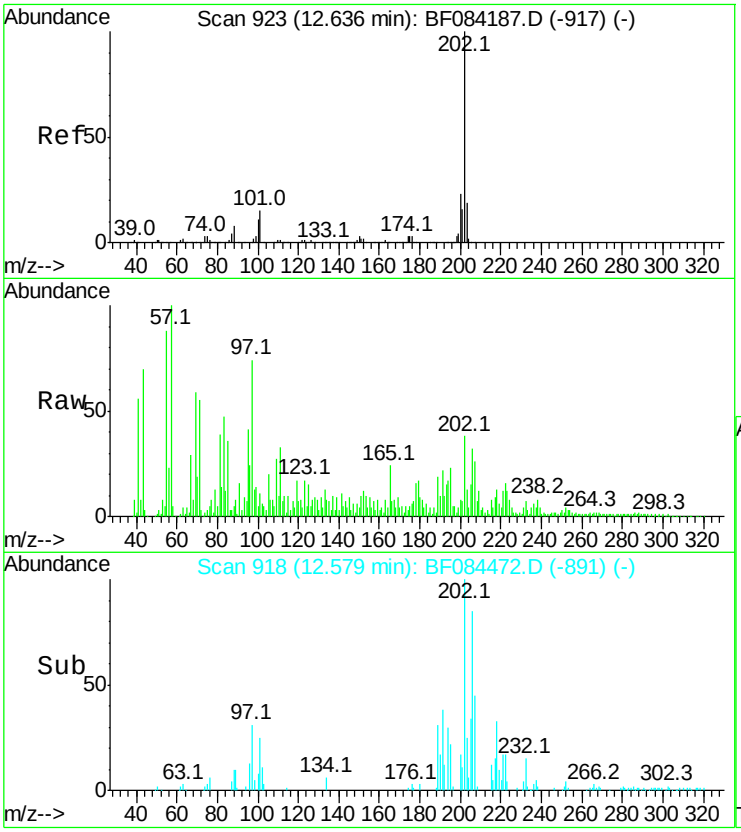


#70
Phenanthrene
Concen: 42.20 ng
RT: 11.40 min Scan# 815
Delta R.T. 0.02 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Tgt Ion:178 Resp: 1385034

Ion	Ratio	Lower	Upper
178	100		
176	20.8	15.3	22.9
179	19.8	12.0	18.0#



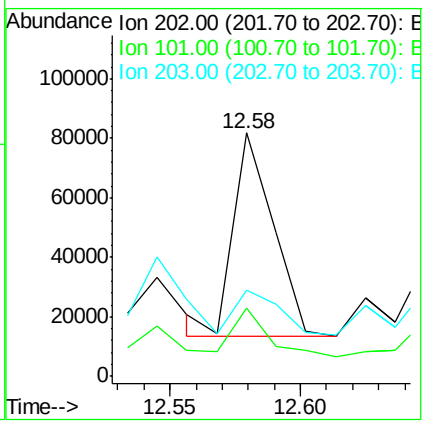


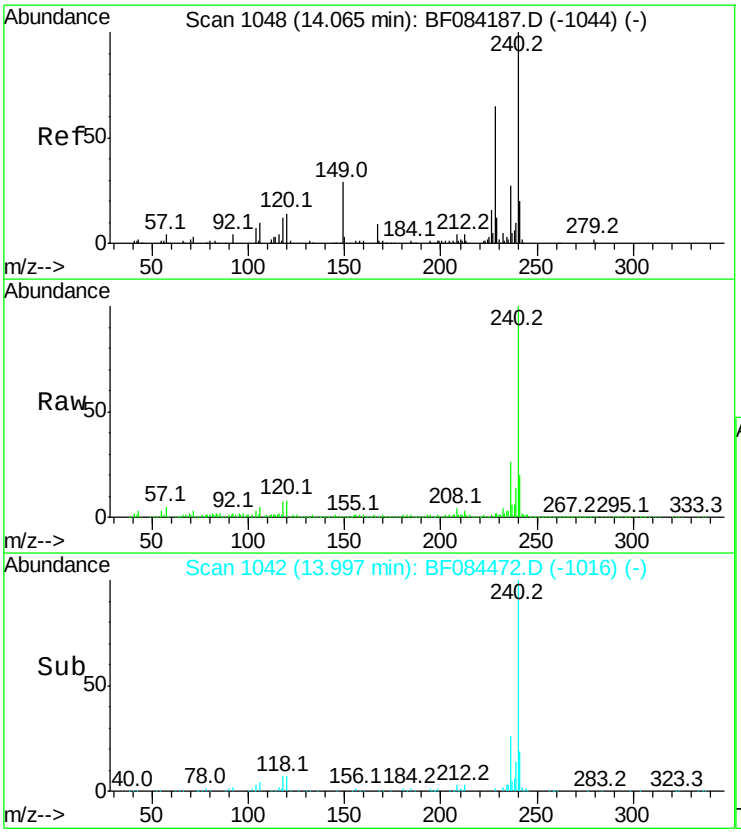
#74
Fluoranthene
Concen: 2.12 ng
RT: 12.58 min Scan# 918
Delta R.T. 0.01 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Instrument :
BNA_F
ClientSampleId :
RX2

Tgt Ion:202 Resp: 72671

Ion	Ratio	Lower	Upper
202	100		
101	27.8	0.0	32.8
203	35.5	0.0	37.9

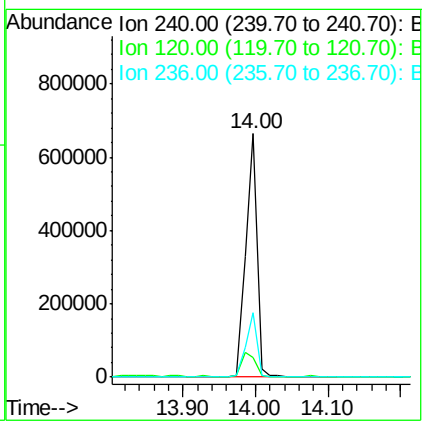


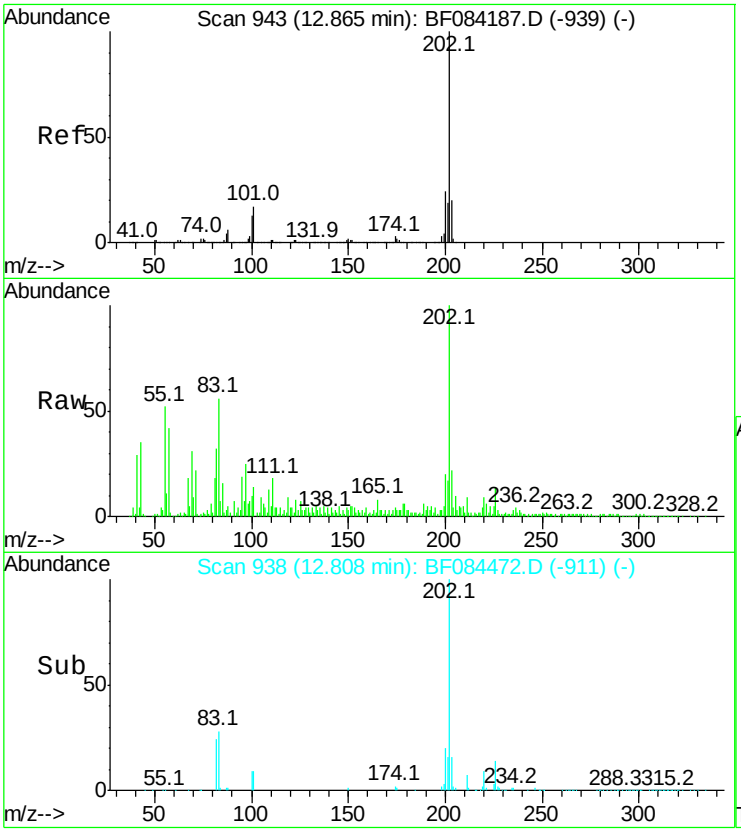


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Tgt Ion:240 Resp: 710120

Ion	Ratio	Lower	Upper
240	100		
120	7.8	9.5	14.3#
236	26.3	20.6	31.0



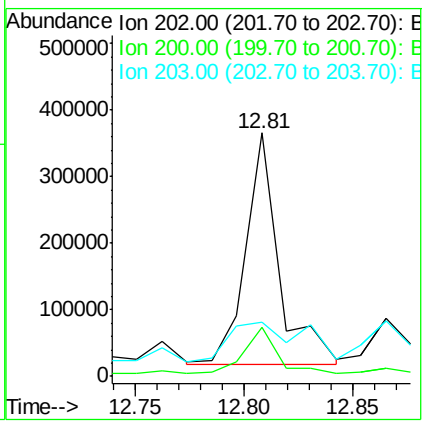


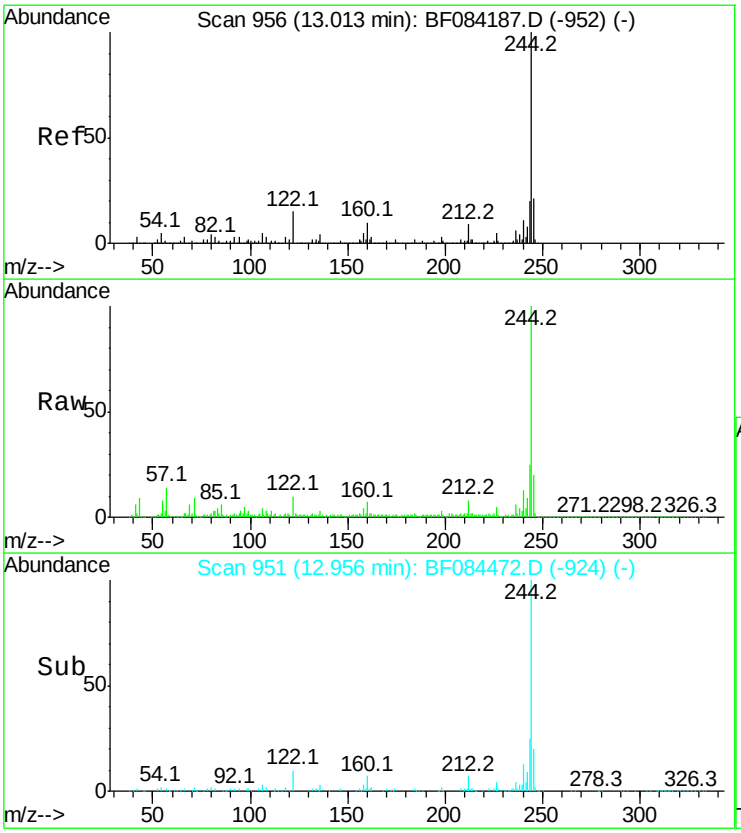
#77
Pyrene
Concen: 6.69 ng
RT: 12.81 min Scan# 938
Delta R.T. 0.01 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Instrument :
BNA_F
ClientSampleId :
RX2

Tgt Ion:202 Resp: 372742

Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.2	25.8
203	22.3	14.3	21.5#

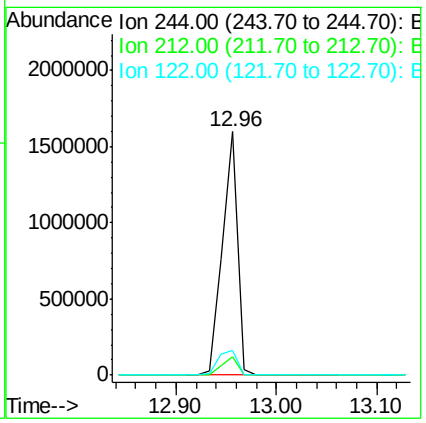


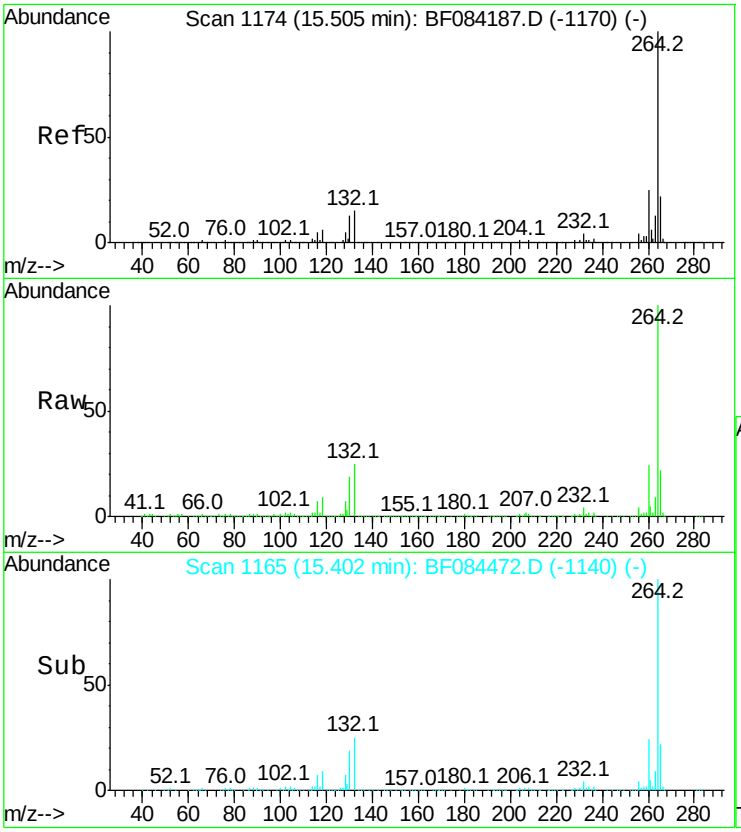


#78
Terphenyl-d14
Concen: 52.52 ng
RT: 12.96 min Scan# 951
Delta R.T. 0.01 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Tgt Ion:244 Resp: 1670925

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.7	8.5
122	10.3	7.4	11.0





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Instrument :
BNA_F
ClientSampleId :
RX2

Tgt Ion:264 Resp: 540948

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.2
265	22.3	17.8	26.6