Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030216\
Data File : BF085152.D
Acq On : 3 Mar 2016 6:29
Operator : SJ/IZ
Sample : H1632-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 40054(0-2)

Quant Time: Mar 03 07:15:43 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 02 13:25:39 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	193154	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	801721	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	374654	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	660034	20.00	ng	0.00
75) Chrysene-d12	14.15	240	459510	20.00	ng	0.00
86) Perylene-d12	15.63	264	428159	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	782951	65.81	ng	0.00
7) Phenol-d6	6.61	99	716150	45.91	ng	0.00
23) Nitrobenzene-d5	7.56	82	1513127	100.41	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	640813	170.20	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	2117966	83.26	ng	0.00
78) Terphenyl-d14	13.10	244	1903760	97.19	ng	0.00
Target Compounds						Qvalue
14) 1,2-Dichlorobenzene	7.17	146	36148	2.73	ng	# 91
31) Naphthalene	8.30	128	3012522	74.30	ng	98
37) 2-Methylnaphthalene	8.98	142	784705	31.66	ng	99
45) 1,1'-Biphenyl	9.45	154	198140	5.96	ng	97
51) Acenaphthene	10.06	154	565607	24.99	ng	99
54) Dibenzofuran	10.23	168	529780	18.03	ng	99
57) Fluorene	10.57	166	460626	19.94	ng	99
70) Phenanthrene	11.54	178	874792	26.64	ng	96
74) Fluoranthene	12.72	202	104828	2.91	ng	96

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

Quantitation Report (LSC Reviewed)

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Acq On : 3 Mar 2016 6:29
Operator : SJ/IZ
Sample : H1632-01
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
40054(0-2)

Quant Time: Mar 03 07:15:43 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 02 13:25:39 2016
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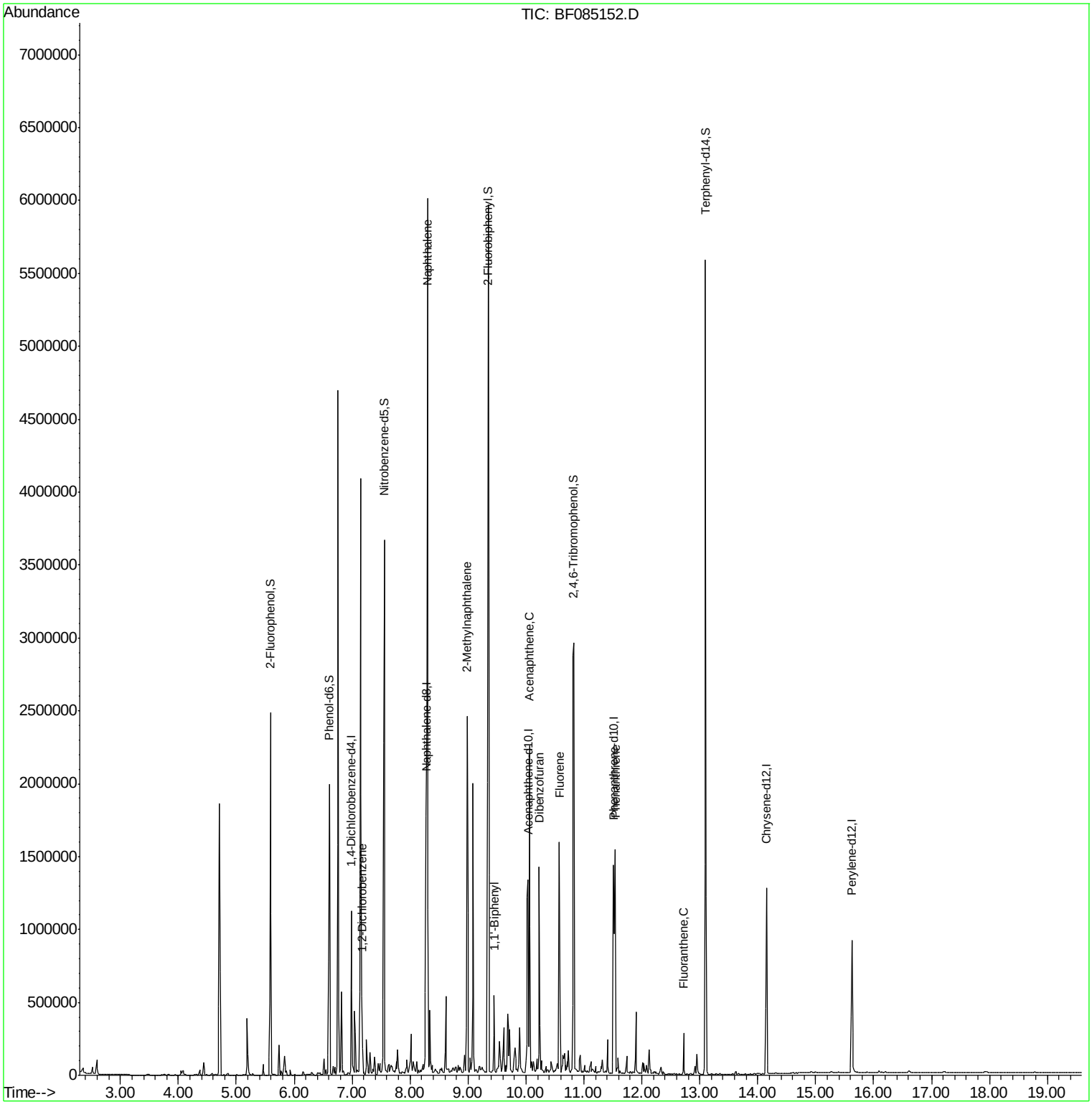
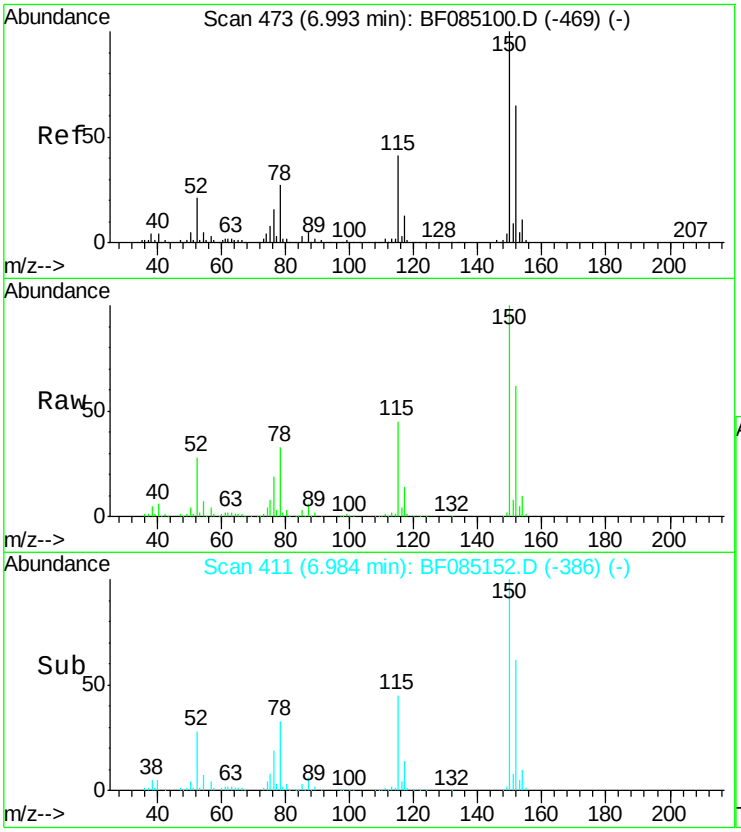


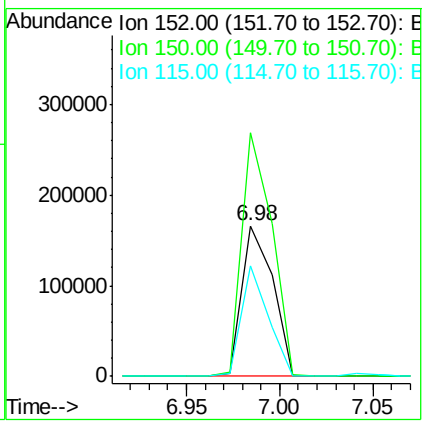


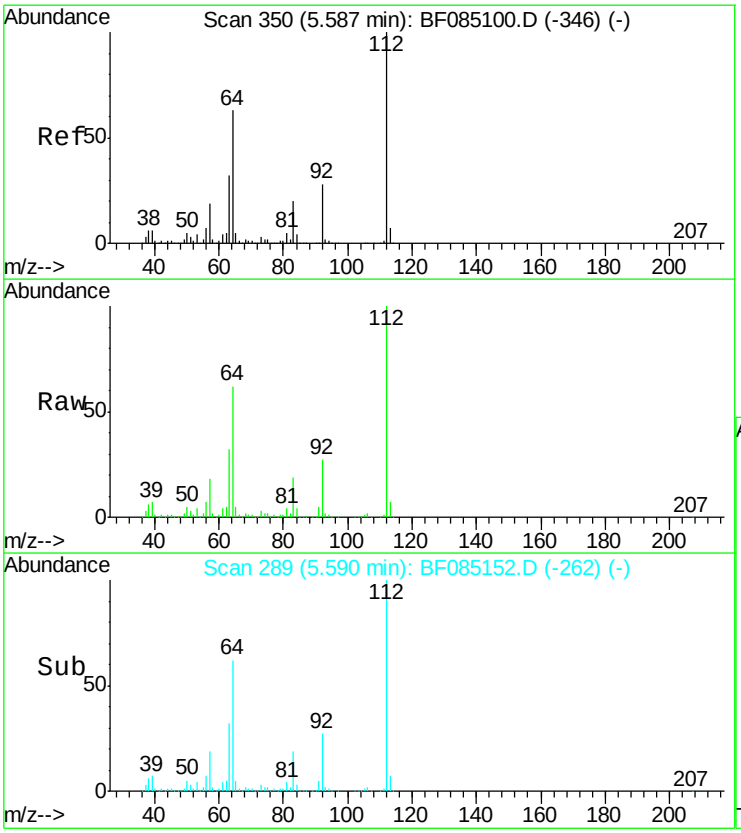
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.98 min Scan# 411
Delta R.T. -0.01 min
Lab File: BF085152.D
Acq: 3 Mar 2016 6:29

Instrument :
BNA_F
ClientSampleId :
40054(0-2)

Tgt Ion:152 Resp: 193154

Ion	Ratio	Lower	Upper
152	100		
150	161.8	123.4	185.0
115	73.1	50.0	75.0

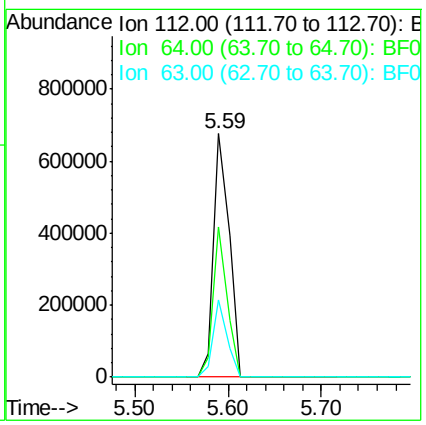


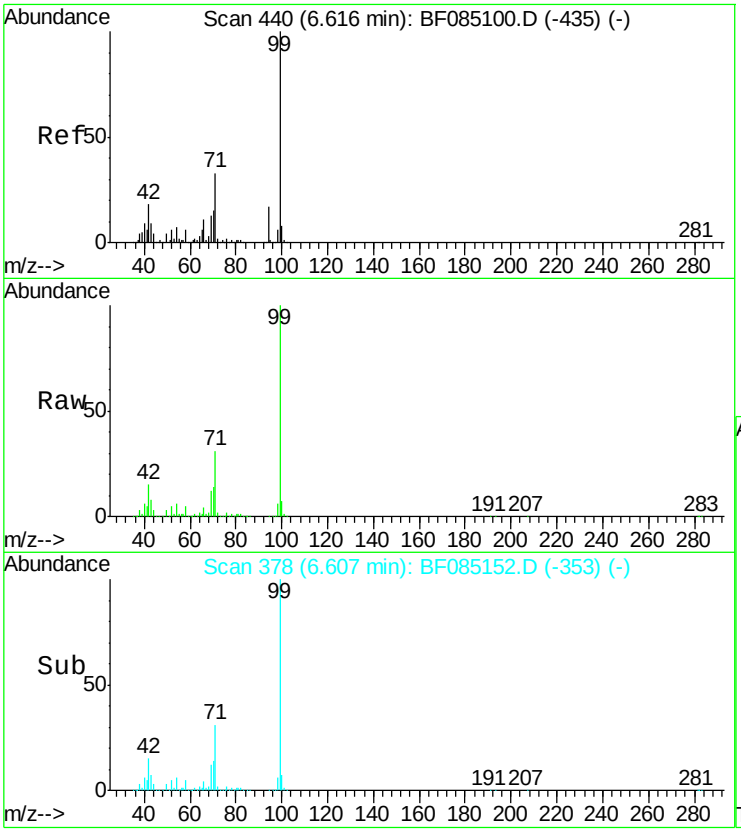


#5
2-Fluorophenol
Concen: 65.81 ng
RT: 5.59 min Scan# 289
Delta R.T. 0.00 min
Lab File: BF085152.D
Acq: 3 Mar 2016 6:29

Tgt Ion:112 Resp: 782951

Ion	Ratio	Lower	Upper
112	100		
64	61.7	50.6	76.0
63	31.7	25.5	38.3



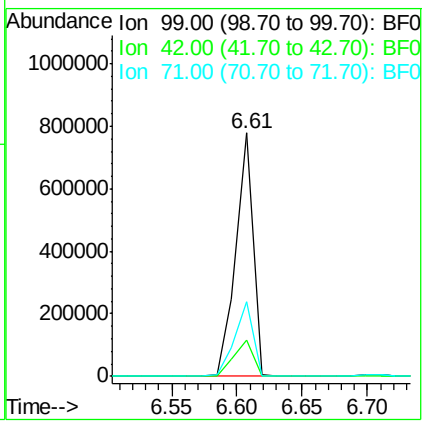


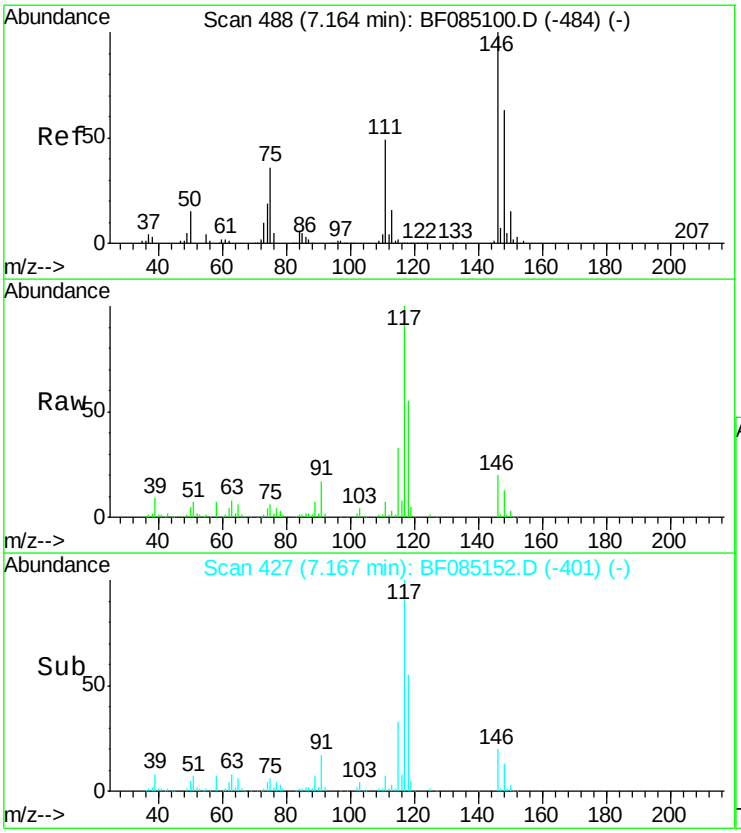
#7
Phenol-d6
Concen: 45.91 ng
RT: 6.61 min Scan# 378
Delta R.T. -0.01 min
Lab File: BF085152.D
Acq: 3 Mar 2016 6:29

Instrument :
BNA_F
ClientSampleId :
40054(0-2)

Tgt Ion: 99 Resp: 716150

Ion	Ratio	Lower	Upper
99	100		
42	15.0	14.1	21.1
71	30.7	26.8	40.2

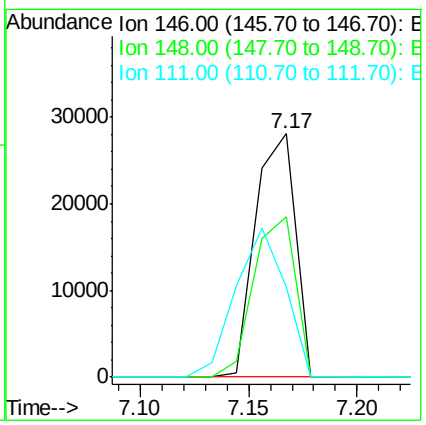


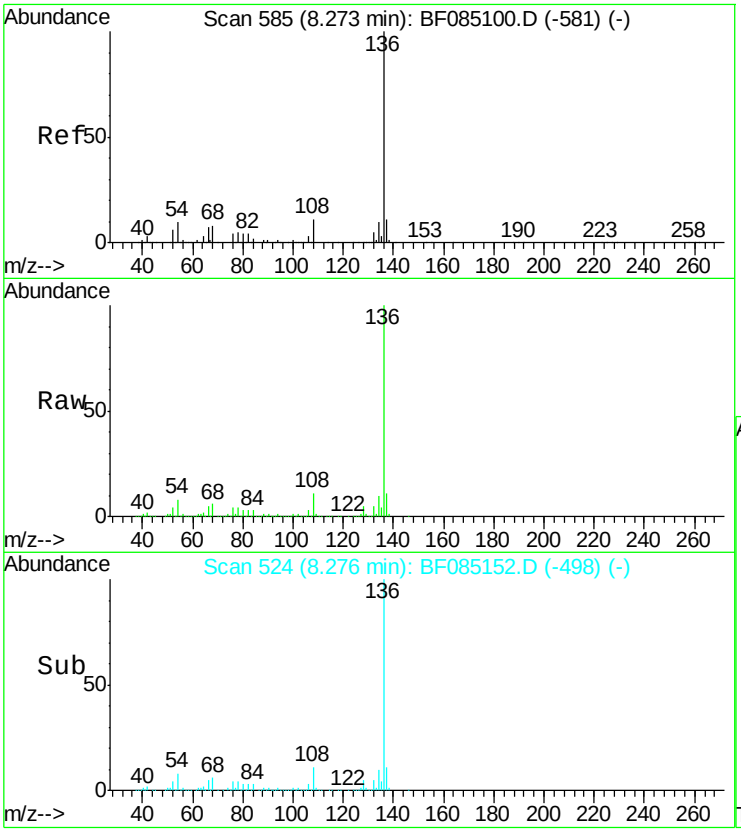


#14
1,2-Dichlorobenzene
Concen: 2.73 ng
RT: 7.17 min Scan# 427
Delta R.T. 0.00 min
Lab File: BF085152.D
Acq: 3 Mar 2016 6:29

Tgt Ion:146 Resp: 36148

Ion	Ratio	Lower	Upper
146	100		
148	65.8	50.5	75.7
111	37.2	38.9	58.3#



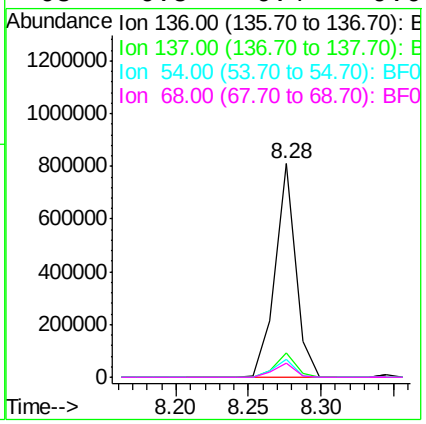


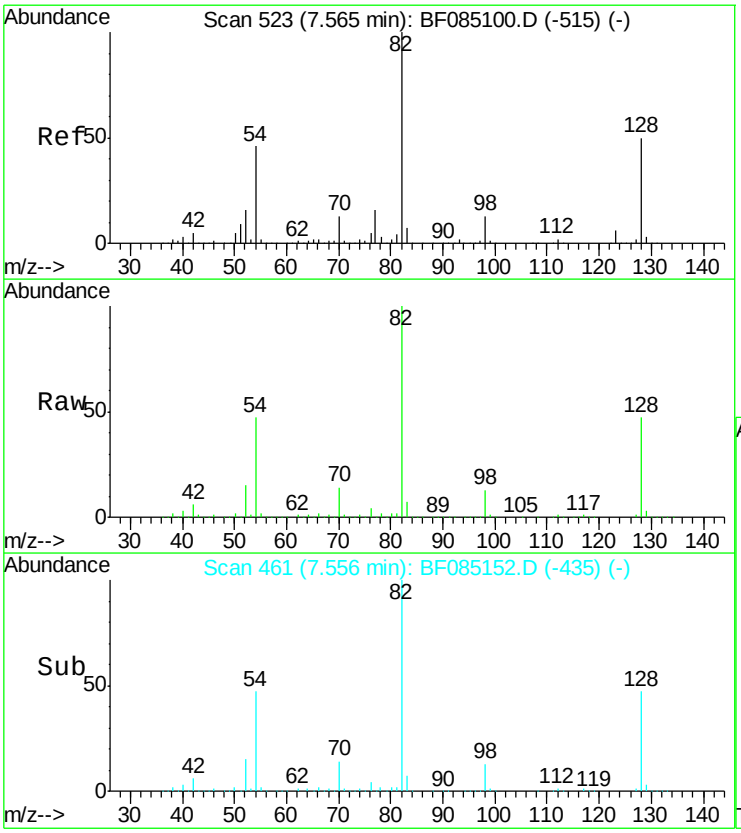
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.28 min Scan# 524
Delta R.T. 0.00 min
Lab File: BF085152.D
Acq: 3 Mar 2016 6:29

Instrument :
BNA_F
ClientSampleId :
40054(0-2)

Tgt Ion:136 Resp: 801721

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	8.2	8.5	12.7#
68	6.5	6.4	9.6

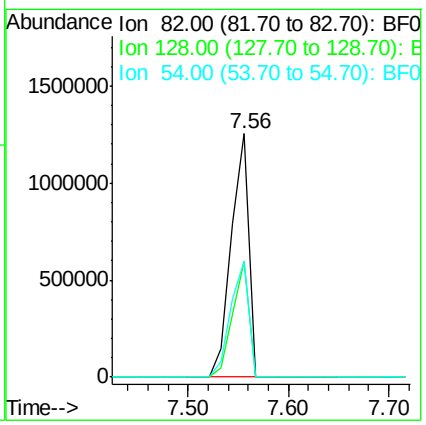


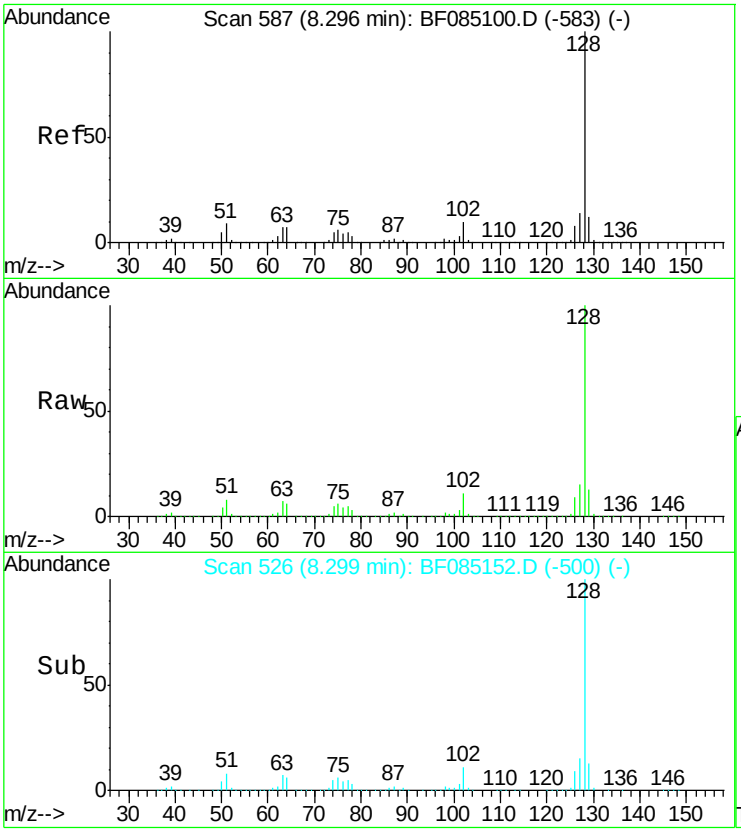


#23
Nitrobenzene-d5
Concen: 100.41 ng
RT: 7.56 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF085152.D
Acq: 3 Mar 2016 6:29

Tgt Ion: 82 Resp: 1513127

Ion	Ratio	Lower	Upper
82	100		
128	47.4	39.8	59.6
54	47.5	36.6	54.8



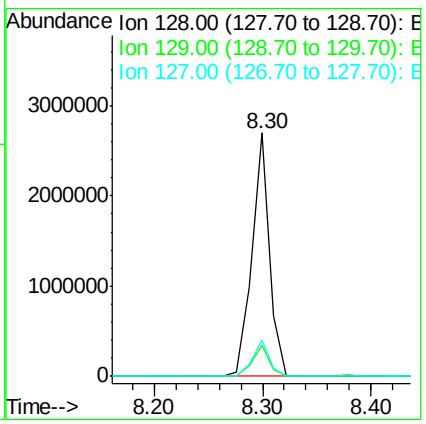


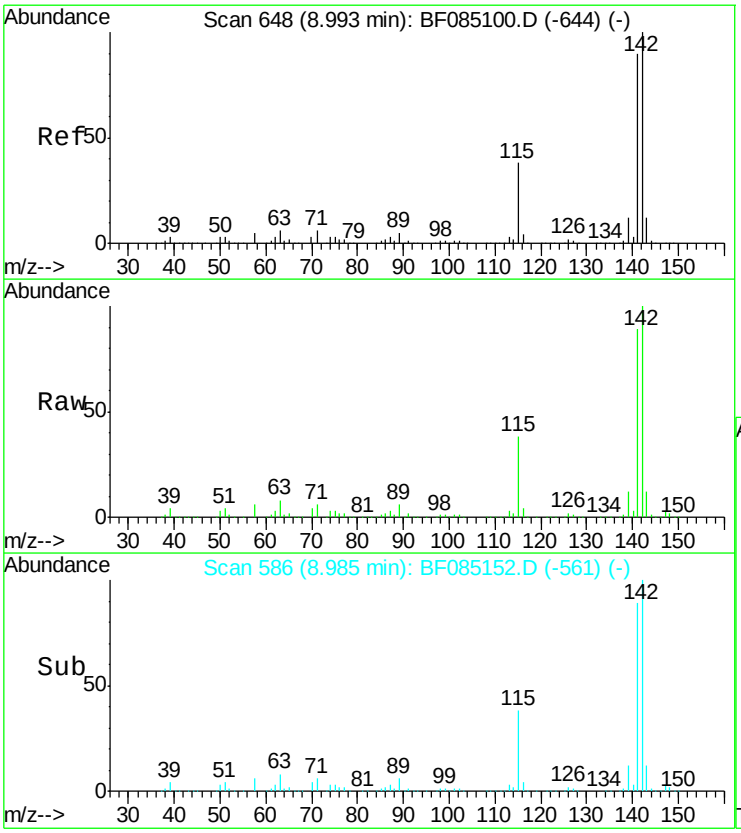
#31
Naphthalene
Concen: 74.30 ng
RT: 8.30 min Scan# 526
Delta R.T. 0.00 min
Lab File: BF085152.D
Acq: 3 Mar 2016 6:29

Instrument :
BNA_F
ClientSampleId :
40054(0-2)

Tgt Ion:128 Resp: 3012522

Ion	Ratio	Lower	Upper
128	100		
129	12.6	9.7	14.5
127	15.1	11.1	16.7

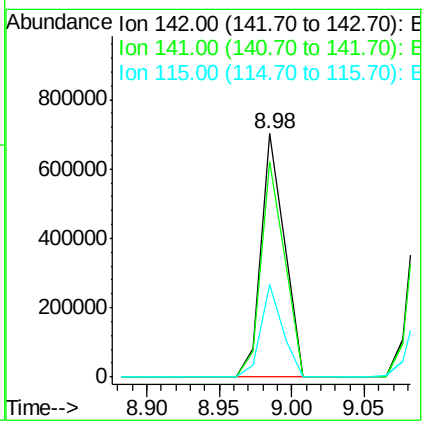


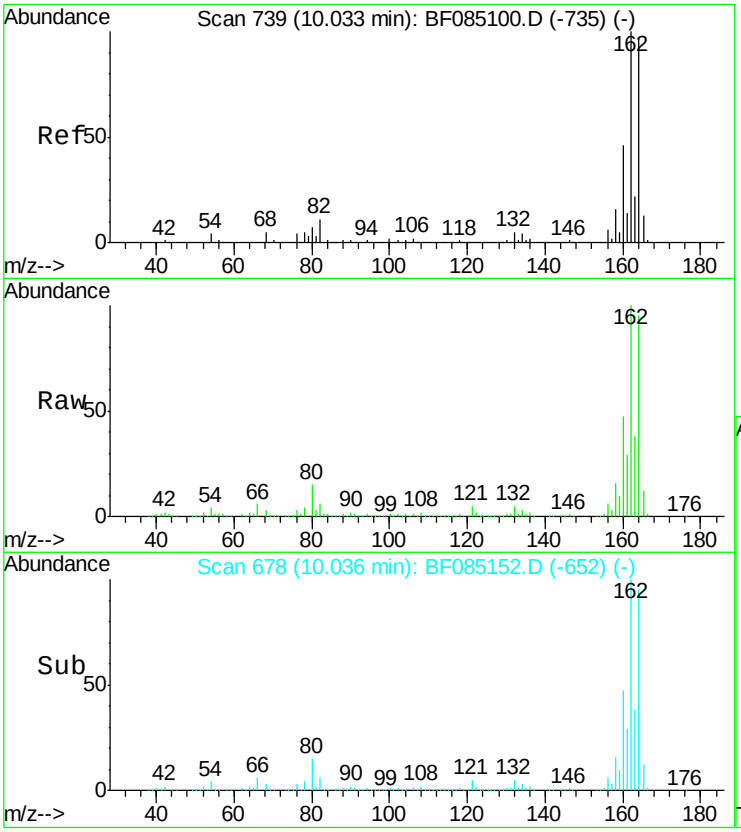


#37
2-Methylnaphthalene
Concen: 31.66 ng
RT: 8.98 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF085152.D
Acq: 3 Mar 2016 6:29

Tgt Ion:142 Resp: 784705

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.7	107.5
115	38.1	30.1	45.1



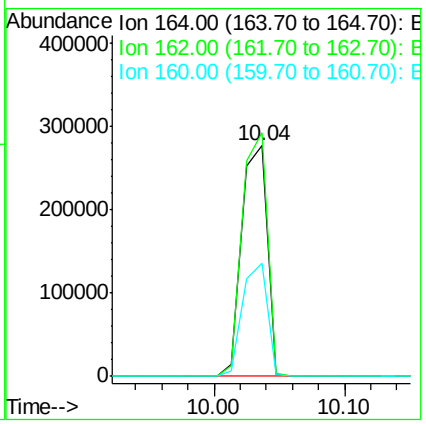


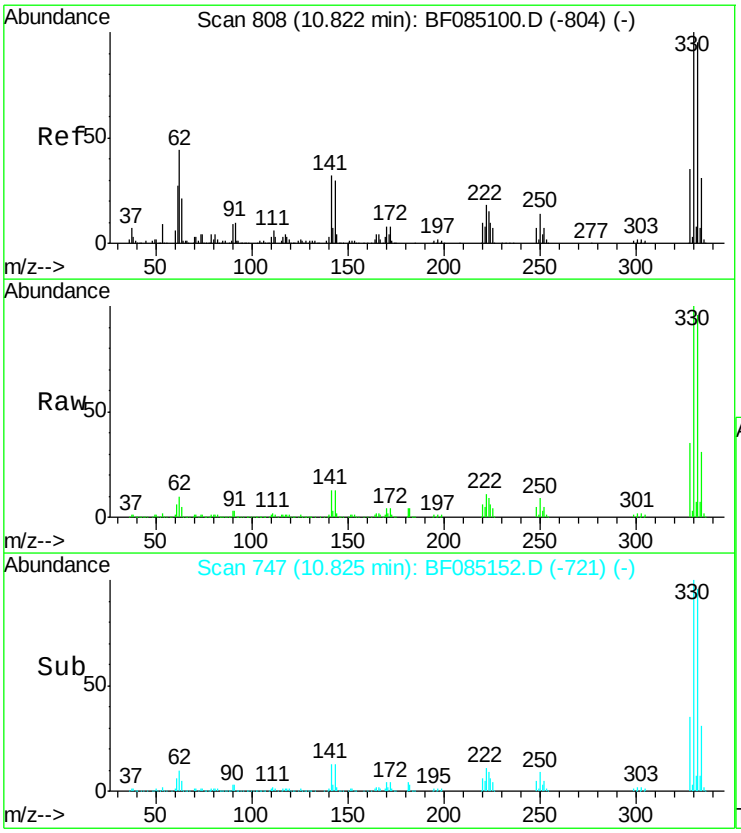
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.04 min Scan# 678
Delta R.T. 0.00 min
Lab File: BF085152.D
Acq: 3 Mar 2016 6:29

Instrument :
BNA_F
ClientSampleId :
40054(0-2)

Tgt Ion:164 Resp: 374654

Ion	Ratio	Lower	Upper
164	100		
162	105.6	82.6	123.8
160	49.1	38.2	57.2

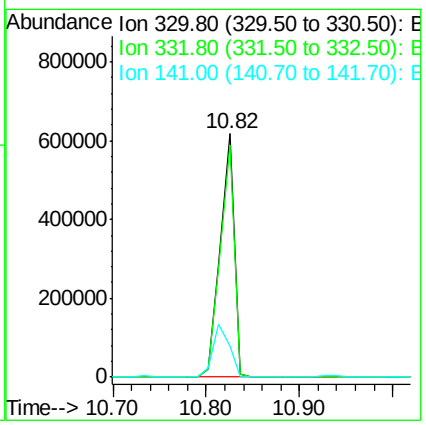


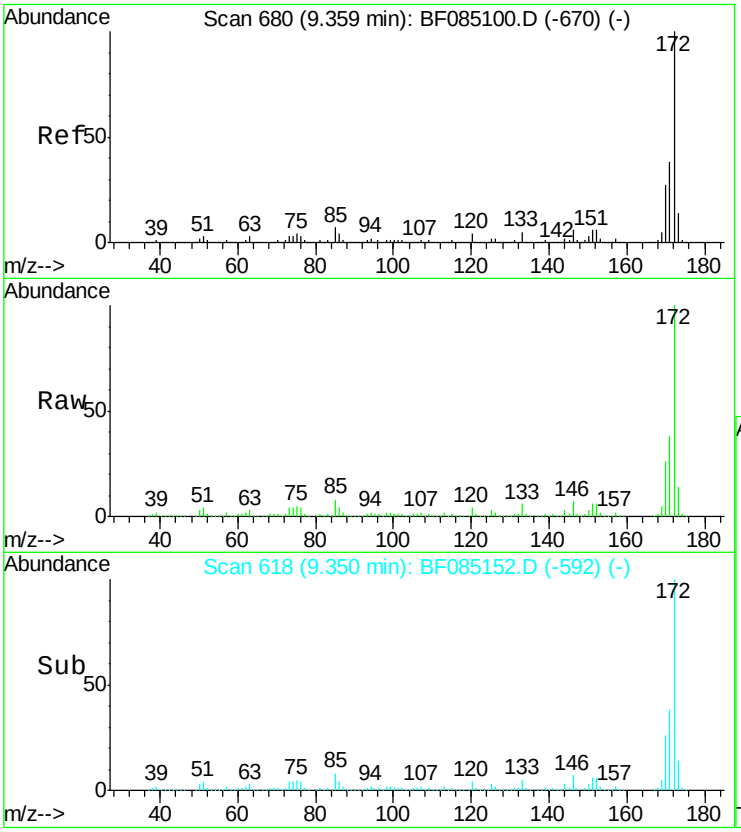


#41
2,4,6-Tribromophenol
Concen: 170.20 ng
RT: 10.82 min Scan# 747
Delta R.T. 0.00 min
Lab File: BF085152.D
Acq: 3 Mar 2016 6:29

Tgt Ion:330 Resp: 640813

Ion	Ratio	Lower	Upper
330	100		
332	96.1	75.9	113.9
141	26.2	28.9	43.3#



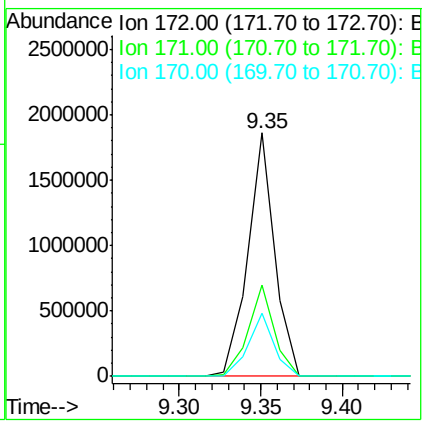


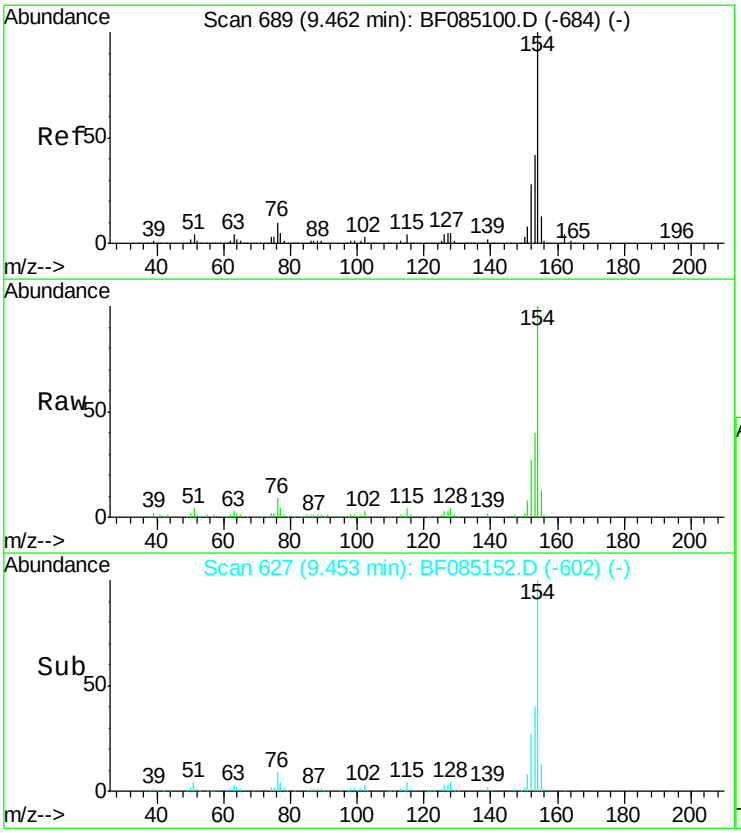
#44
2-Fluorobiphenyl
Concen: 83.26 ng
RT: 9.35 min Scan# 618
Delta R.T. -0.01 min
Lab File: BF085152.D
Acq: 3 Mar 2016 6:29

Instrument :
BNA_F
ClientSampleId :
40054(0-2)

Tgt Ion:172 Resp: 2117966

Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.5	45.7
170	25.9	21.2	31.8

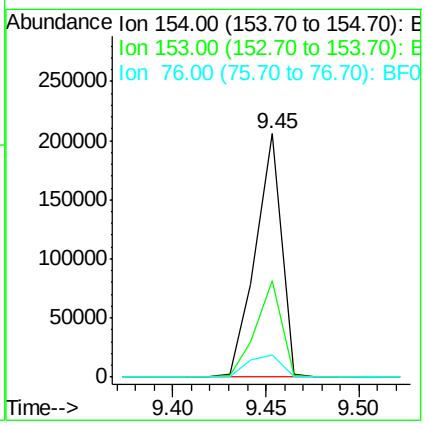


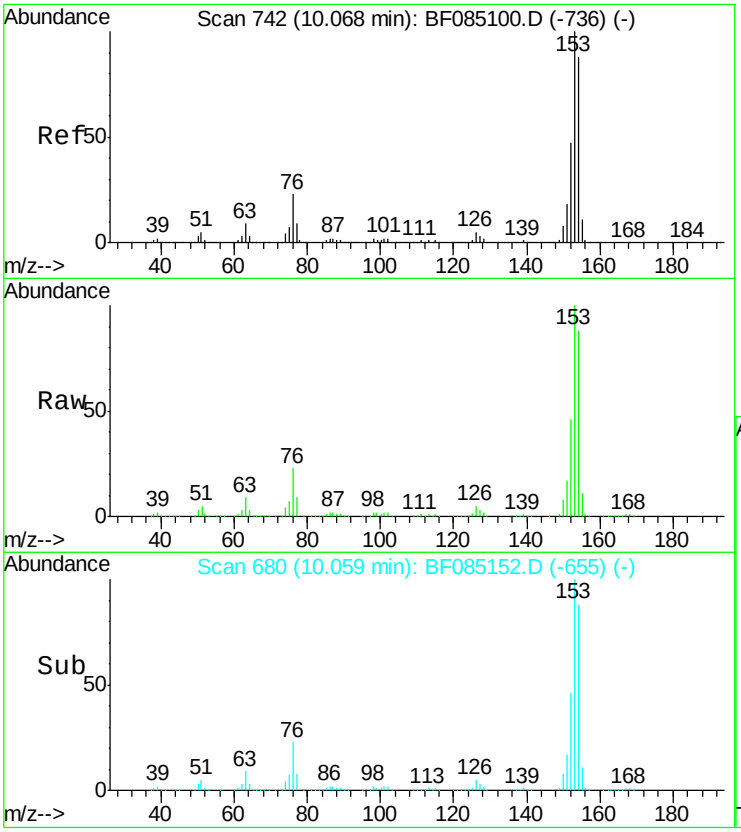


#45
1,1'-Biphenyl
Concen: 5.96 ng
RT: 9.45 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF085152.D
Acq: 3 Mar 2016 6:29

Tgt Ion:154 Resp: 198140

Ion	Ratio	Lower	Upper
154	100		
153	39.6	21.5	61.5
76	9.0	0.0	29.7



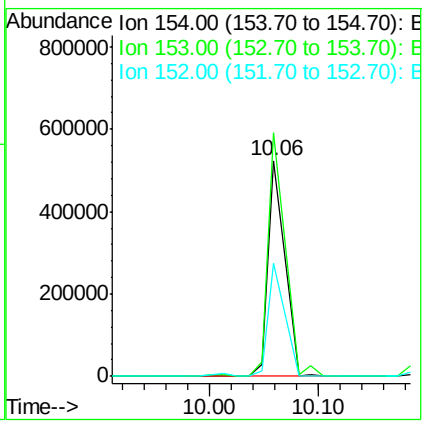


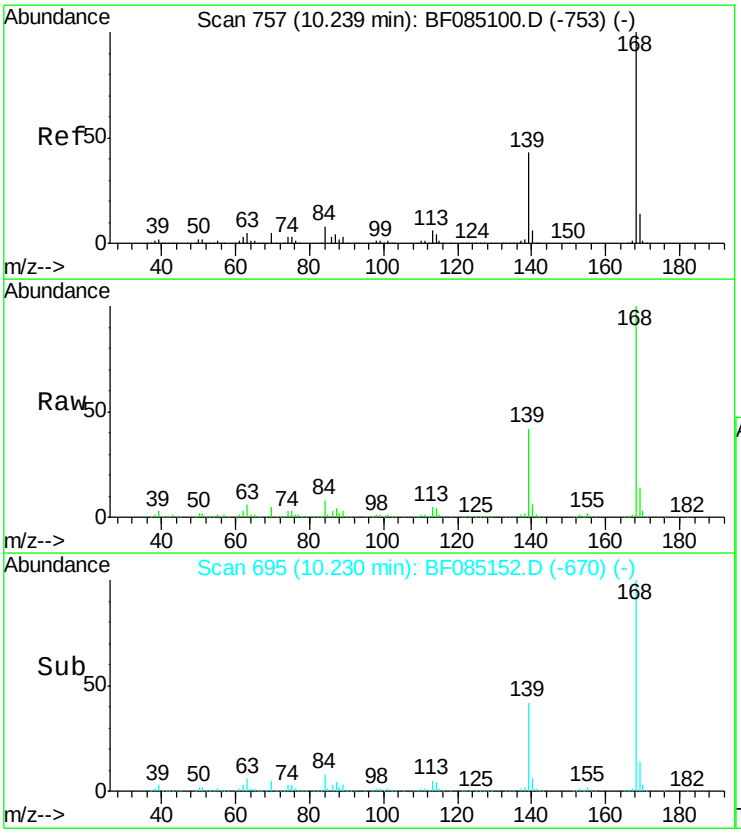
#51
Acenaphthene
Concen: 24.99 ng
RT: 10.06 min Scan# 680
Delta R.T. -0.01 min
Lab File: BF085152.D
Acq: 3 Mar 2016 6:29

Instrument :
BNA_F
ClientSampleId :
40054(0-2)

Tgt Ion:154 Resp: 565607

Ion	Ratio	Lower	Upper
154	100		
153	113.0	91.0	136.6
152	52.2	43.0	64.6

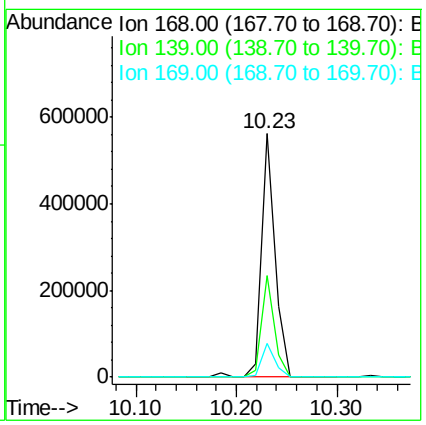


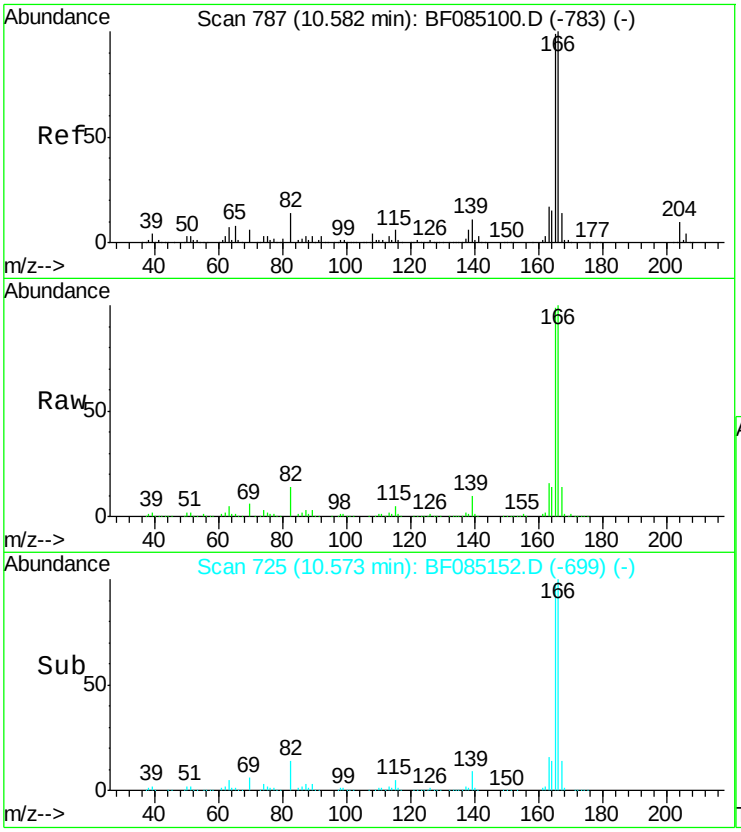


#54
Dibenzofuran
Concen: 18.03 ng
RT: 10.23 min Scan# 695
Delta R.T. -0.01 min
Lab File: BF085152.D
Acq: 3 Mar 2016 6:29

Tgt Ion:168 Resp: 529780

Ion	Ratio	Lower	Upper
168	100		
139	42.0	34.2	51.2
169	13.9	11.4	17.2



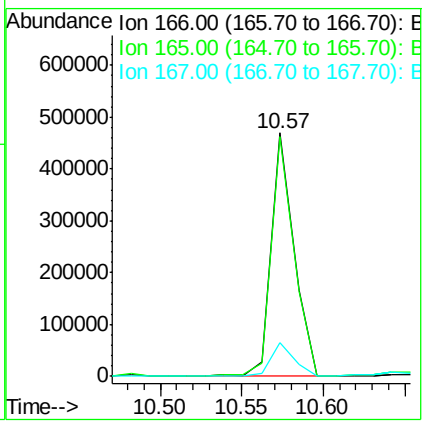


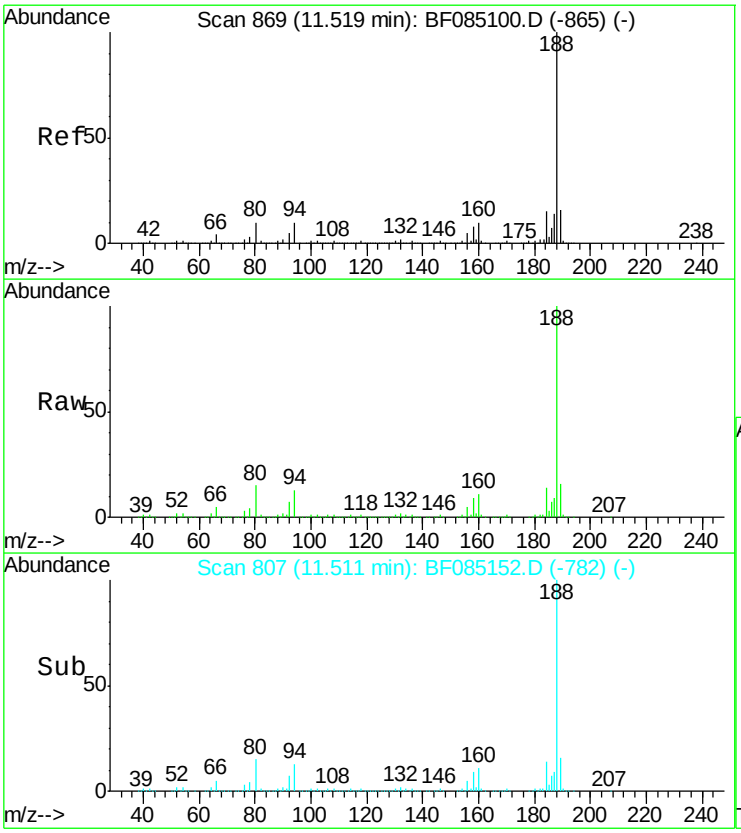
#57
Fluorene
Concen: 19.94 ng
RT: 10.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF085152.D
Acq: 3 Mar 2016 6:29

Instrument :
BNA_F
ClientSampleId :
40054(0-2)

Tgt Ion:166 Resp: 460626

Ion	Ratio	Lower	Upper
166	100		
165	98.6	79.4	119.2
167	13.8	11.2	16.8

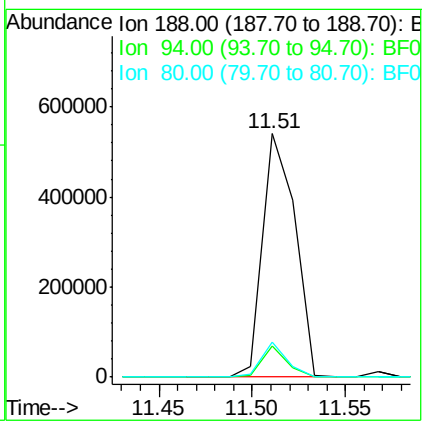


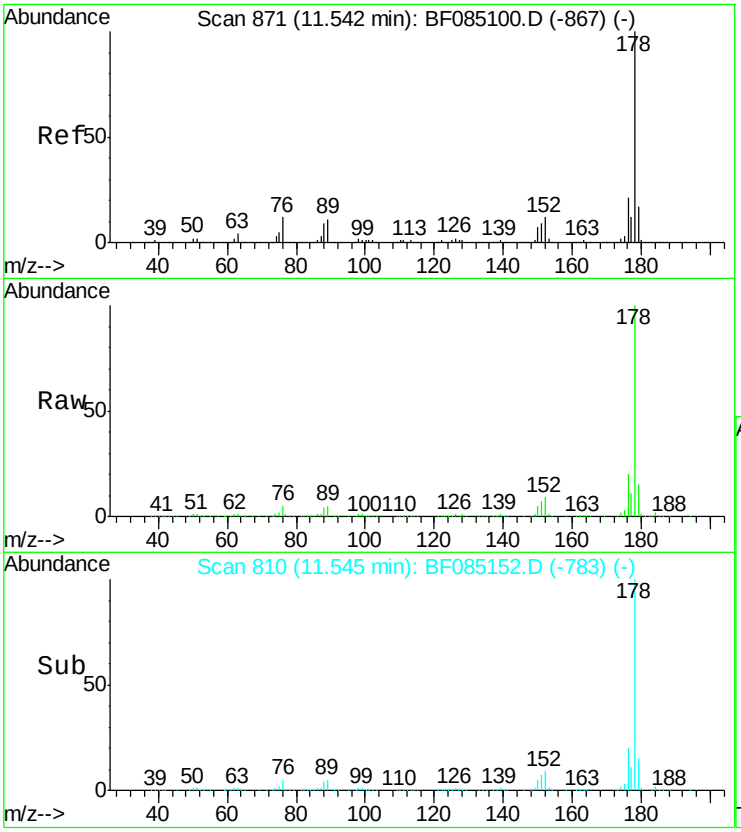


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.51 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF085152.D
Acq: 3 Mar 2016 6:29

Tgt Ion:188 Resp: 660034

Ion	Ratio	Lower	Upper
188	100		
94	12.7	7.8	11.6#
80	14.5	8.2	12.4#



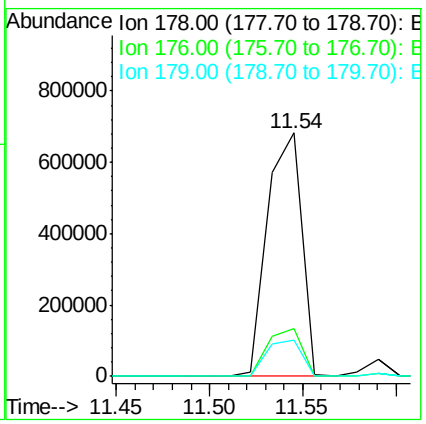


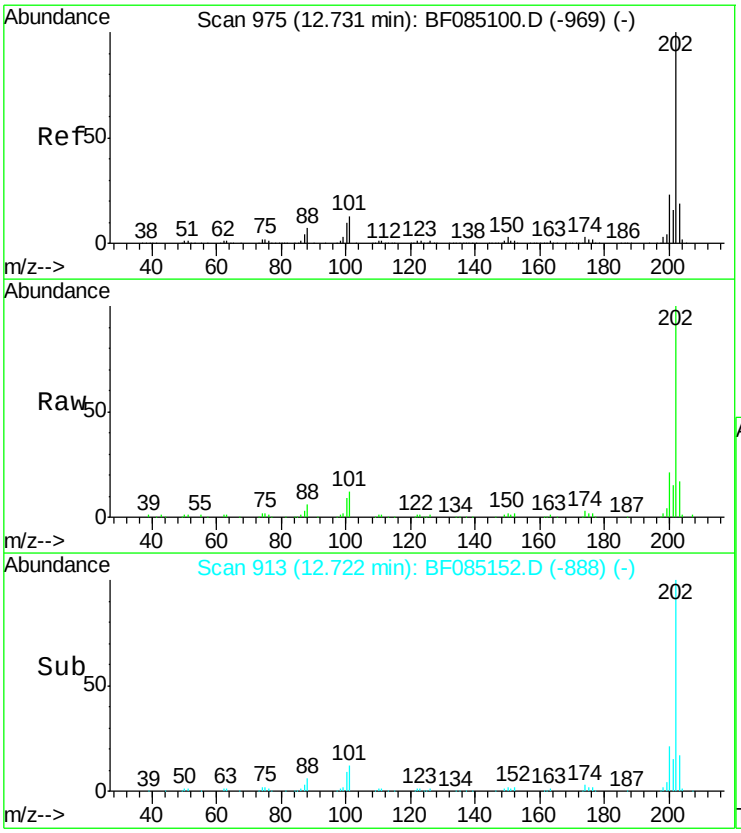
#70
Phenanthrene
Concen: 26.64 ng
RT: 11.54 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF085152.D
Acq: 3 Mar 2016 6:29

Instrument :
BNA_F
ClientSampleId :
40054(0-2)

Tgt Ion:178 Resp: 874792

Ion	Ratio	Lower	Upper
178	100		
176	19.6	17.0	25.6
179	15.0	13.3	19.9

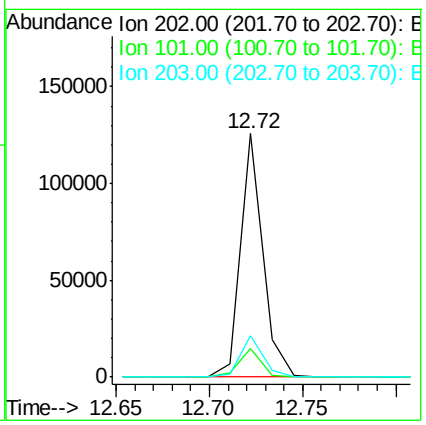


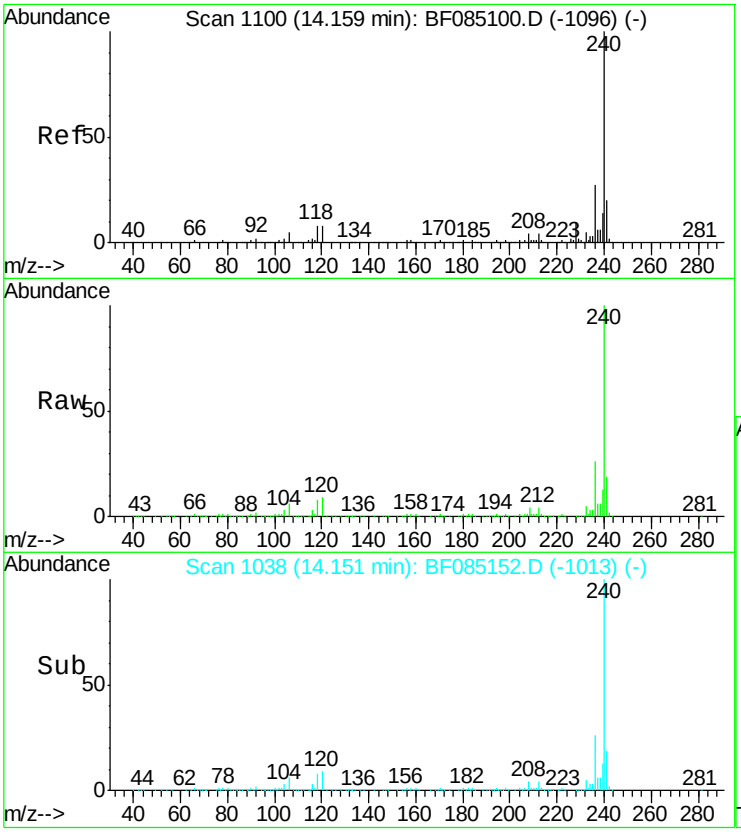


#74
Fluoranthene
Concen: 2.91 ng
RT: 12.72 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF085152.D
Acq: 3 Mar 2016 6:29

Tgt Ion:202 Resp: 104828

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	33.2
203	16.8	0.0	38.6



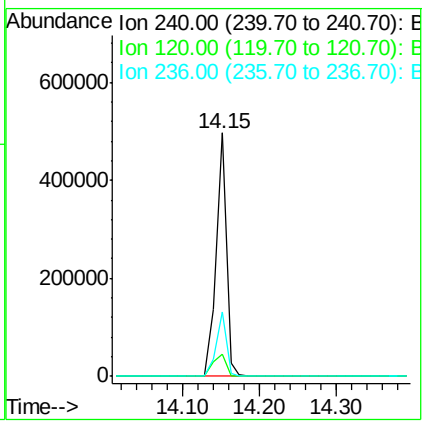


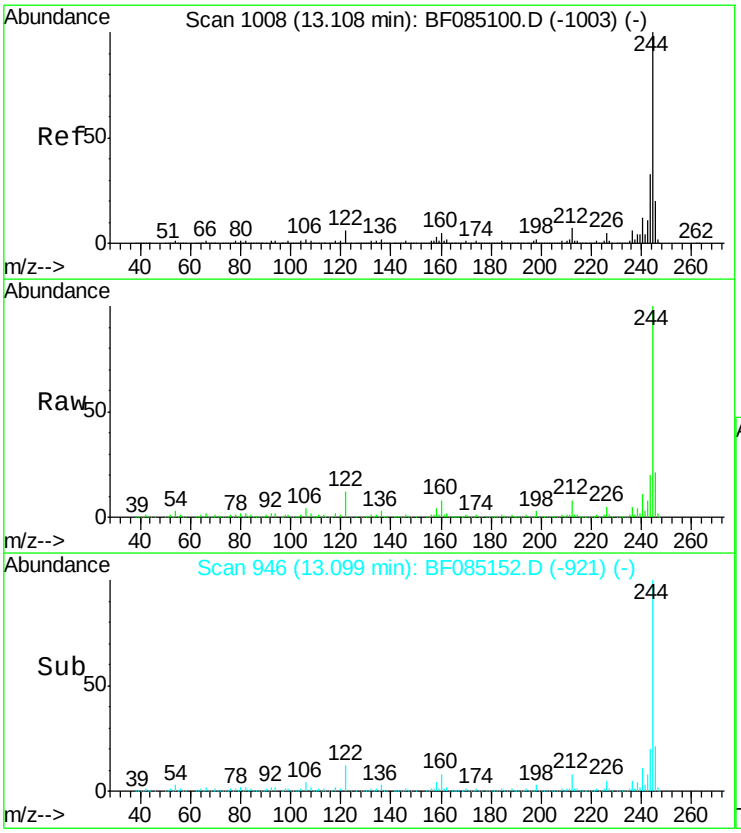
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.15 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF085152.D
Acq: 3 Mar 2016 6:29

Instrument :
BNA_F
ClientSampleId :
40054(0-2)

Tgt Ion:240 Resp: 459510

Ion	Ratio	Lower	Upper
240	100		
120	9.3	6.7	10.1
236	26.5	21.6	32.4

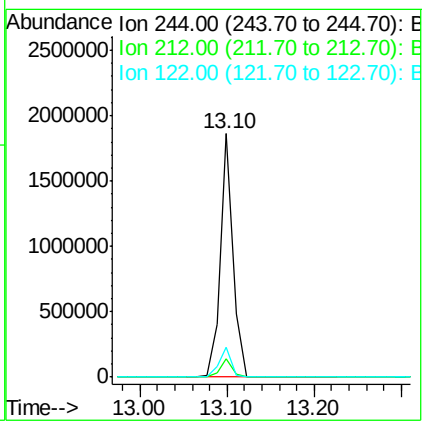


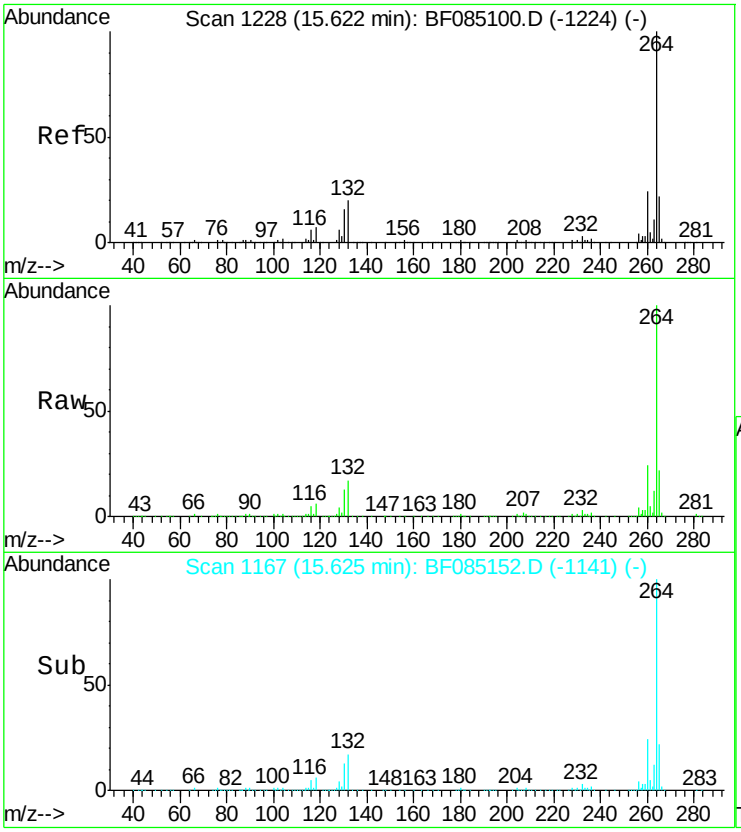


#78
Terphenyl-d14
Concen: 97.19 ng
RT: 13.10 min Scan# 946
Delta R.T. -0.01 min
Lab File: BF085152.D
Acq: 3 Mar 2016 6:29

Tgt Ion:244 Resp: 1903760

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.4	8.0
122	12.1	5.1	7.7#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.63 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF085152.D
Acq: 3 Mar 2016 6:29

Instrument :
BNA_F
ClientSampleId :
40054(0-2)

Tgt Ion:264 Resp: 428159

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.6	29.4
265	21.6	17.4	26.2