Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033116\
Data File : BF085933.D
Acq On : 31 Mar 2016 17:54
Operator : UM/SJ
Sample : H1954-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUP-1

Quant Time: Mar 31 23:50:48 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 30 12:31:18 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	119254	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	473222	20.00	ng	-0.02
38) Acenaphthene-d10	9.83	164	215368	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	356725	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	225726	20.00	ng	-0.02
86) Perylene-d12	15.36	264	221348	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	456610	63.77	ng	-0.01
7) Phenol-d6	6.42	99	378514	41.58	ng	-0.02
23) Nitrobenzene-d5	7.36	82	757985	90.20	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	248360	121.37	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	1204979	93.48	ng	-0.01
78) Terphenyl-d14	12.89	244	771049	70.25	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.36	88	235167	68.78	ng	98
13) 1,4-Dichlorobenzene	6.80	146	79051	8.70	ng	98
14) 1,2-Dichlorobenzene	6.96	146	50509	5.97	ng	98
30) 1,2,4-Trichlorobenzene	8.02	180	18788	2.66	ng	90

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

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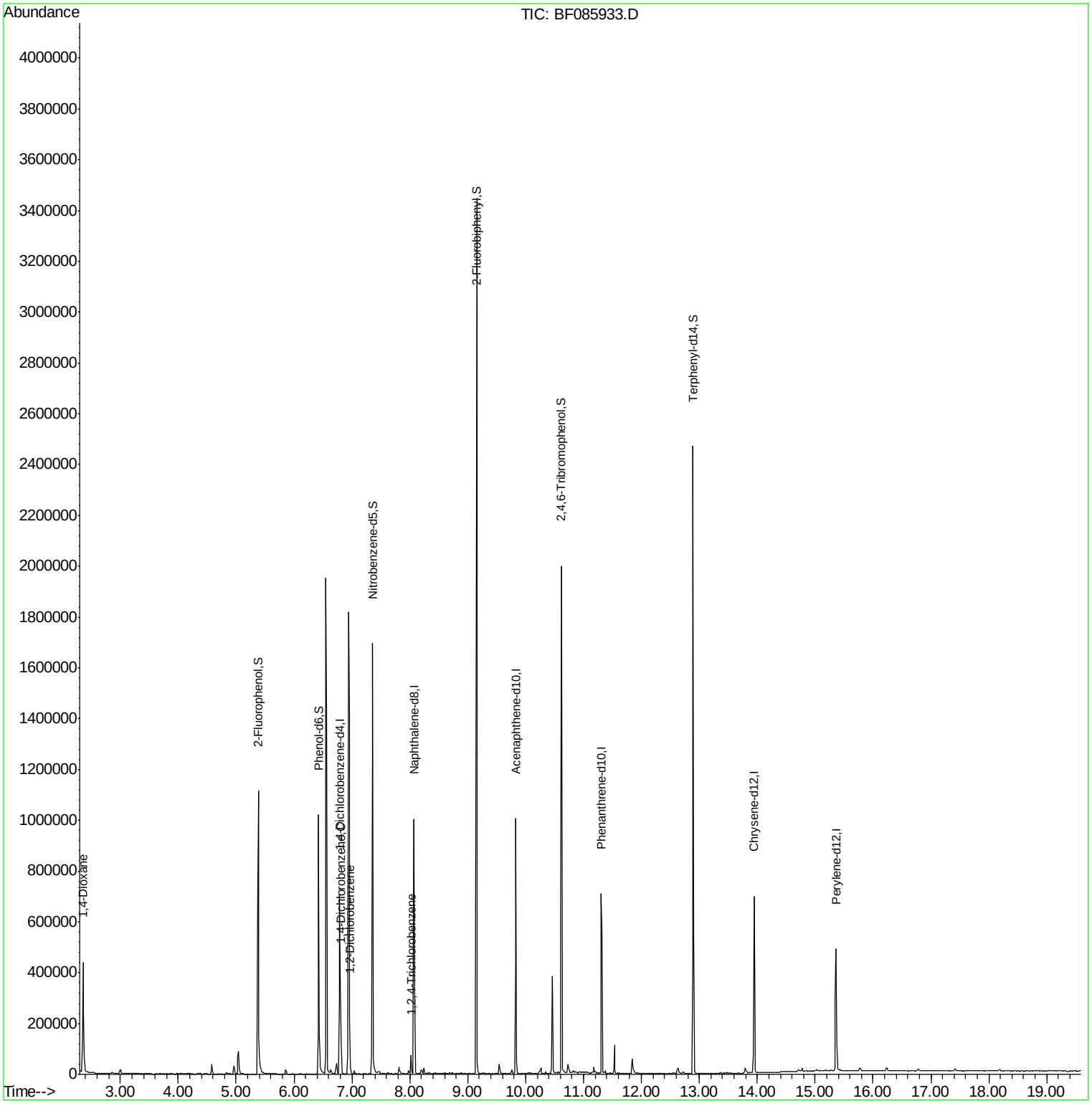
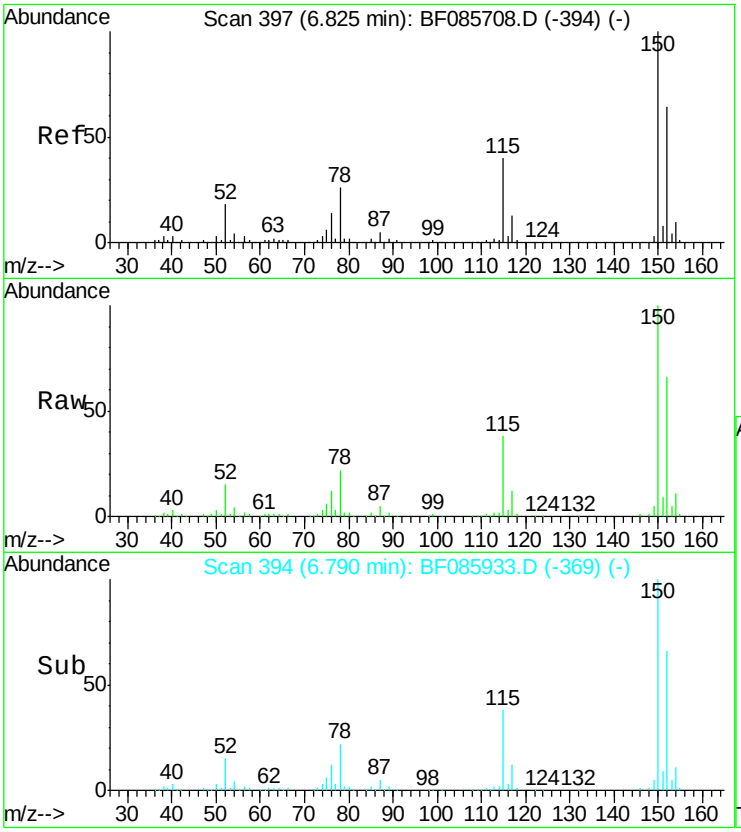


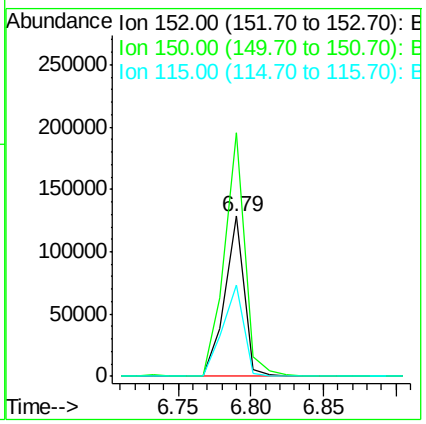


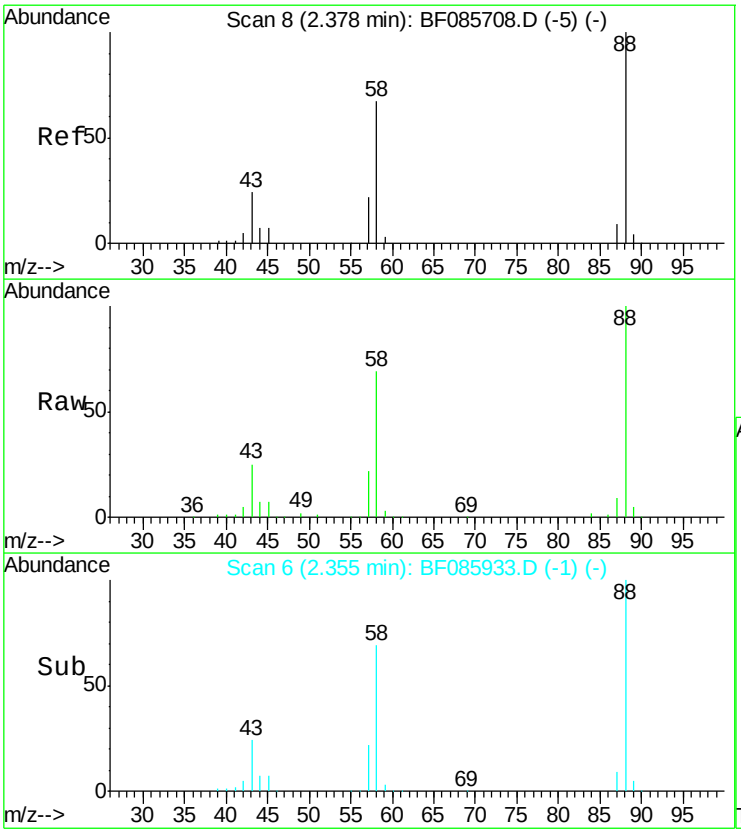
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 394
Delta R.T. -0.01 min
Lab File: BF085933.D
Acq: 31 Mar 2016 17:54

Instrument :
BNA_F
ClientSampleId :
DUP-1

Tgt Ion:152 Resp: 119254

Ion	Ratio	Lower	Upper
152	100		
150	151.8	124.2	186.2
115	57.0	47.0	70.6

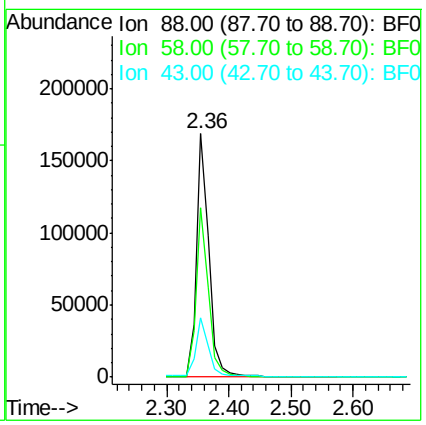


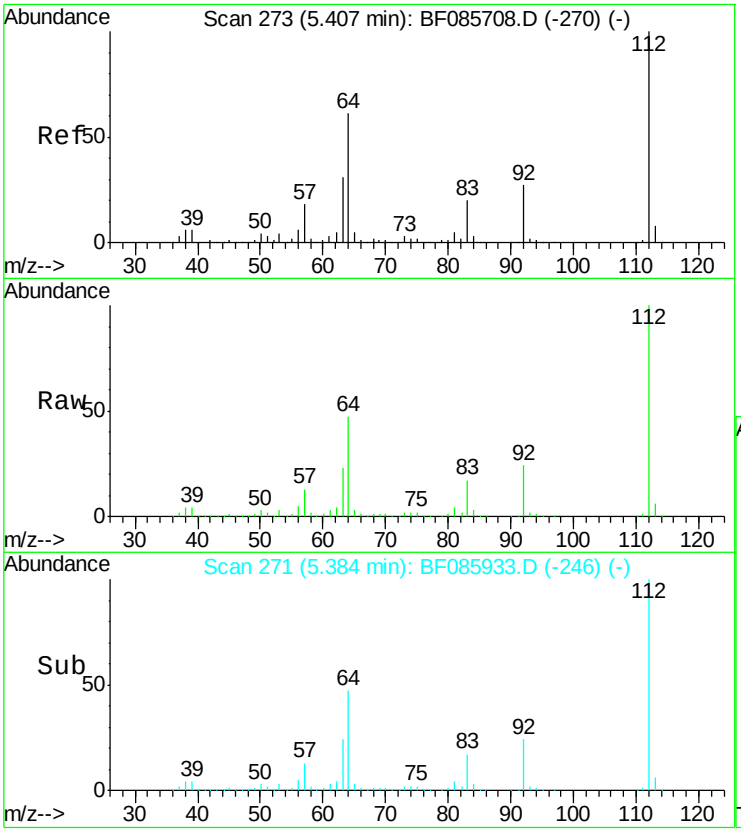


#2
1,4-Dioxane
Concen: 68.78 ng
RT: 2.36 min Scan# 6
Delta R.T. 0.02 min
Lab File: BF085933.D
Acq: 31 Mar 2016 17:54

Tgt Ion: 88 Resp: 235167

Ion	Ratio	Lower	Upper
88	100		
58	69.4	54.2	81.2
43	24.2	19.3	28.9



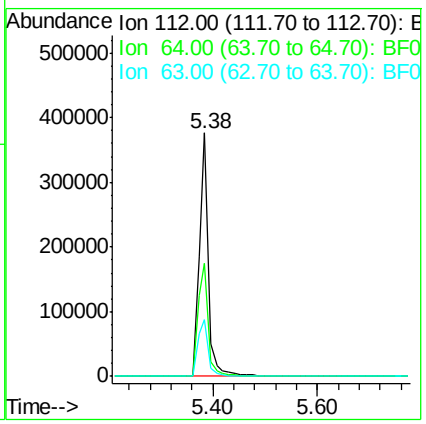


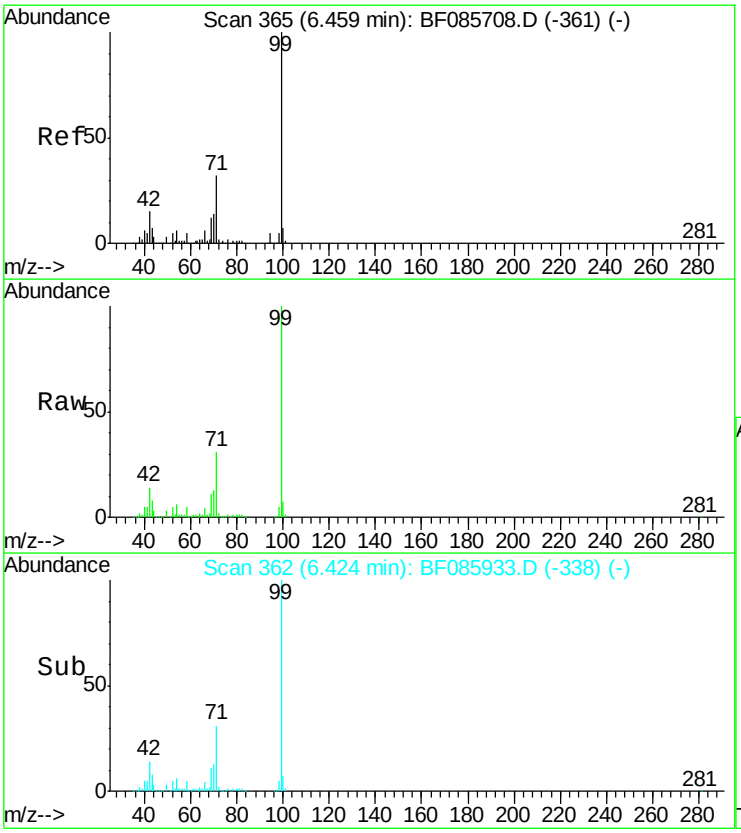
#5
2-Fluorophenol
Concen: 63.77 ng
RT: 5.38 min Scan# 271
Delta R.T. -0.01 min
Lab File: BF085933.D
Acq: 31 Mar 2016 17:54

Instrument :
BNA_F
ClientSampleId :
DUP-1

Tgt Ion:112 Resp: 456610

Ion	Ratio	Lower	Upper
112	100		
64	46.6	39.9	59.9
63	23.5	20.2	30.2

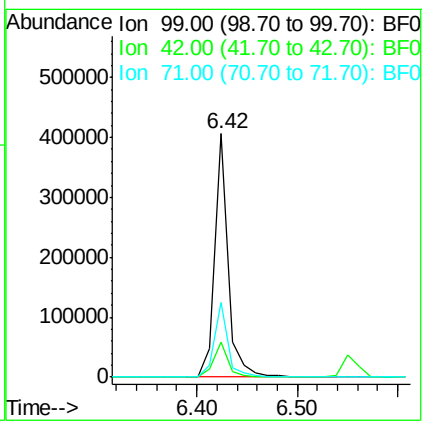


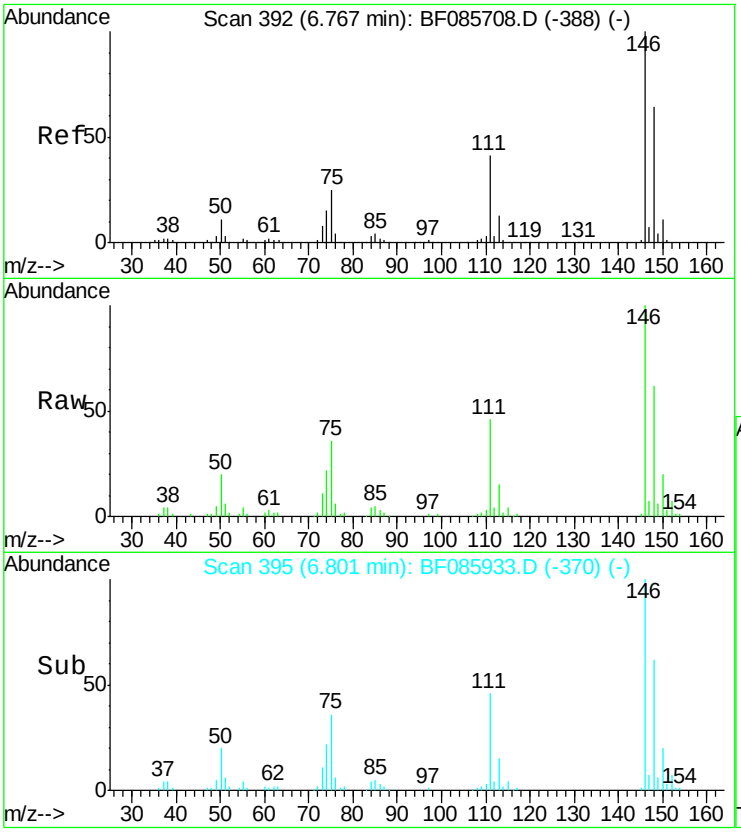


#7
Phenol-d6
Concen: 41.58 ng
RT: 6.42 min Scan# 362
Delta R.T. -0.02 min
Lab File: BF085933.D
Acq: 31 Mar 2016 17:54

Tgt Ion: 99 Resp: 378514

Ion	Ratio	Lower	Upper
99	100		
42	14.1	11.1	16.7
71	30.9	24.9	37.3



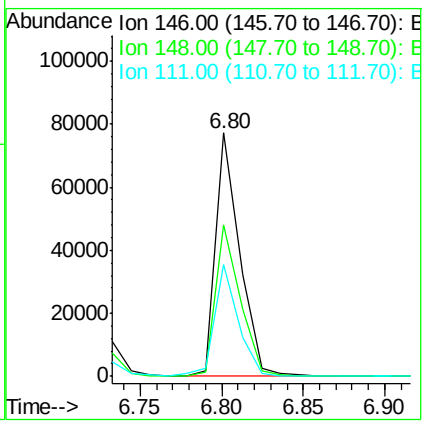


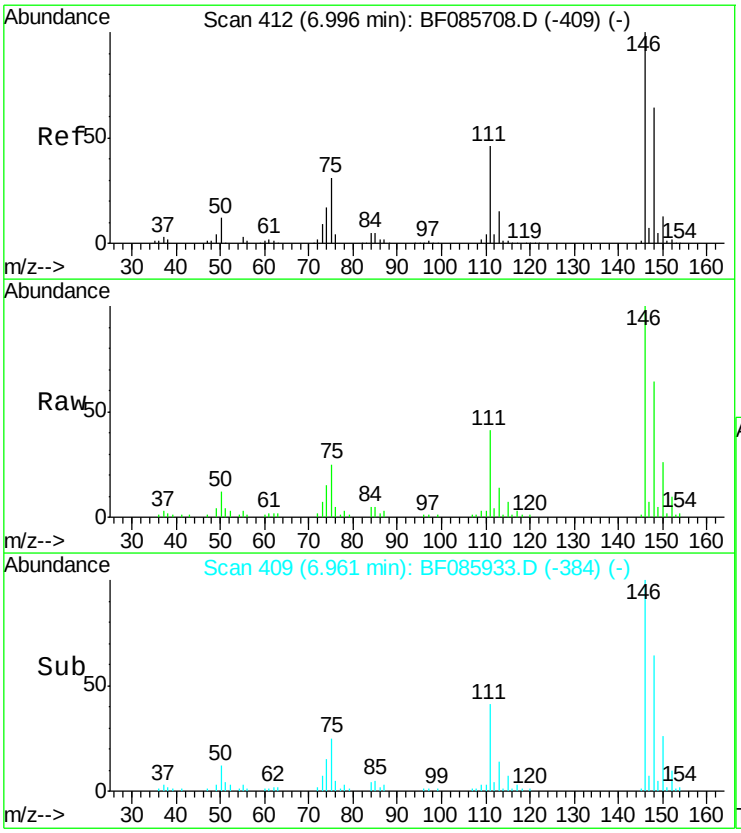
#13
1,4-Dichlorobenzene
Concen: 8.70 ng
RT: 6.80 min Scan# 395
Delta R.T. -0.01 min
Lab File: BF085933.D
Acq: 31 Mar 2016 17:54

Instrument :
BNA_F
ClientSampleId :
DUP-1

Tgt Ion:146 Resp: 79051

Ion	Ratio	Lower	Upper
146	100		
148	62.0	50.6	76.0
111	45.8	37.8	56.6

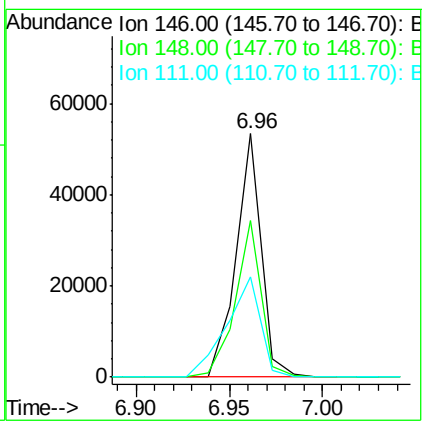


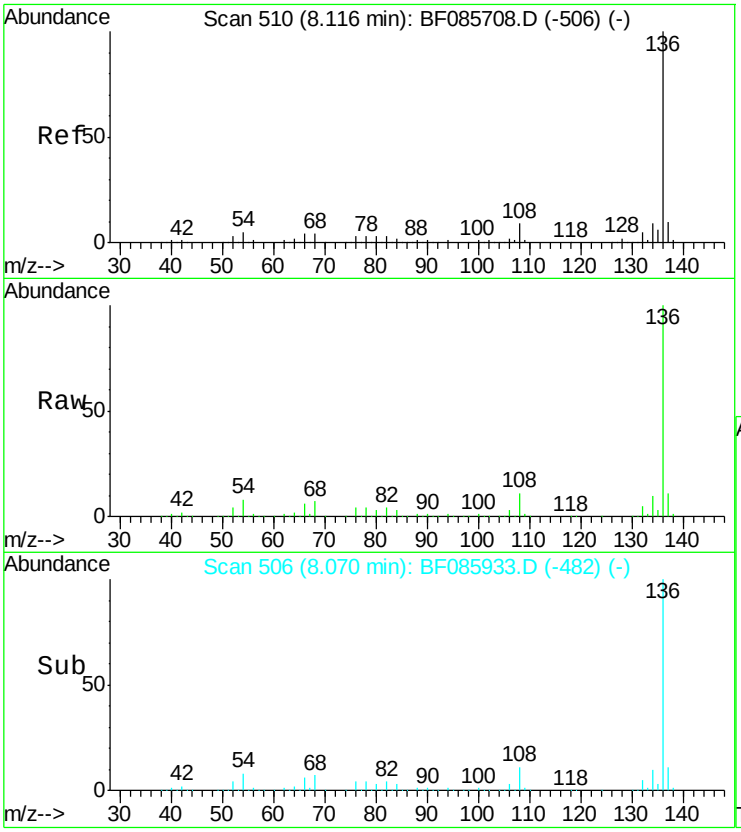


#14
1,2-Dichlorobenzene
Concen: 5.97 ng
RT: 6.96 min Scan# 409
Delta R.T. -0.01 min
Lab File: BF085933.D
Acq: 31 Mar 2016 17:54

Tgt Ion:146 Resp: 50509

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.2
111	41.0	34.6	52.0



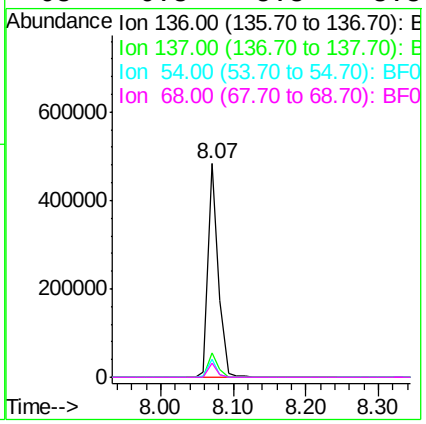


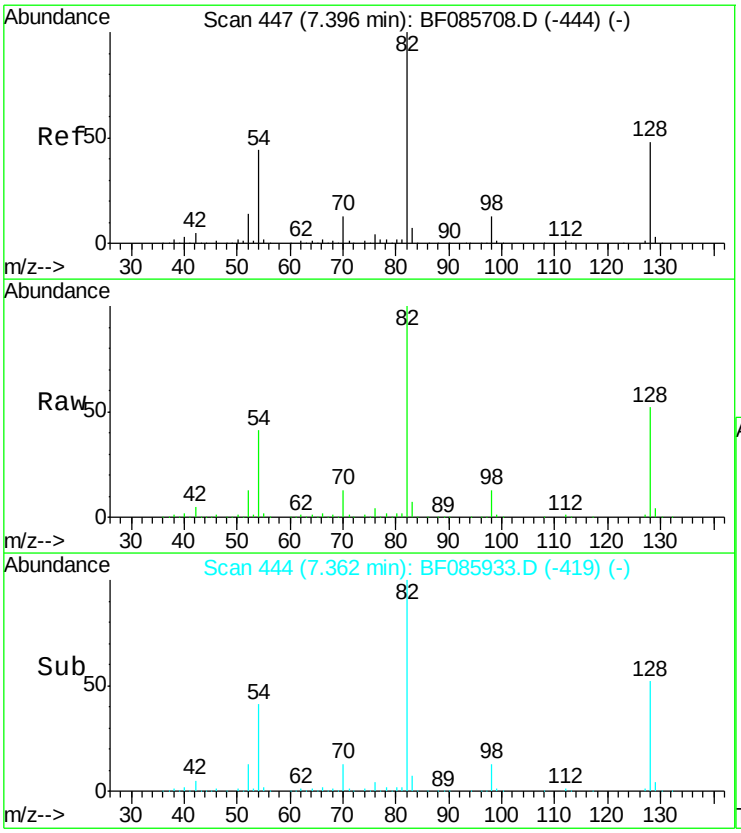
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 506
Delta R.T. -0.02 min
Lab File: BF085933.D
Acq: 31 Mar 2016 17:54

Instrument :
BNA_F
ClientSampleId :
DUP-1

Tgt Ion:136 Resp: 473222

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	8.2	7.4	11.0
68	6.8	5.8	8.8

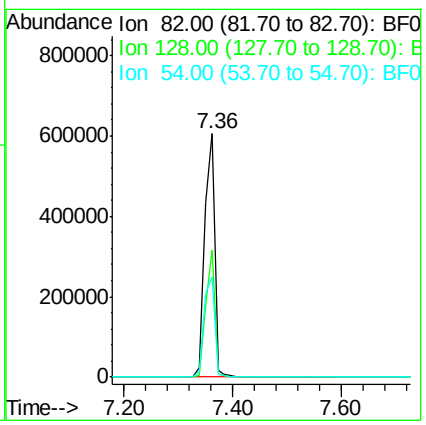


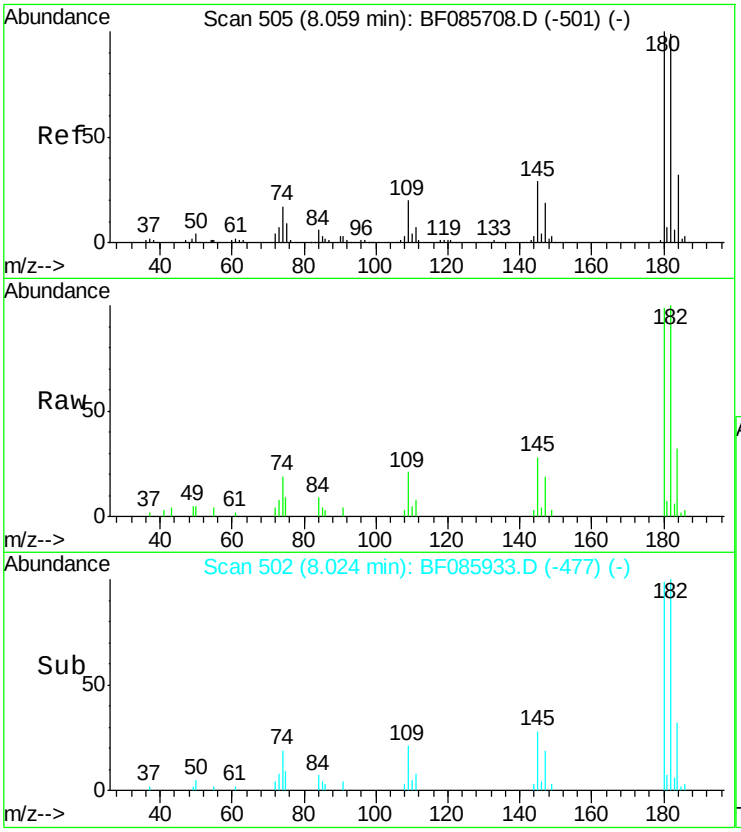


#23
Nitrobenzene-d5
Concen: 90.20 ng
RT: 7.36 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF085933.D
Acq: 31 Mar 2016 17:54

Tgt Ion: 82 Resp: 757985

Ion	Ratio	Lower	Upper
82	100		
128	52.2	41.8	62.8
54	41.1	33.4	50.0



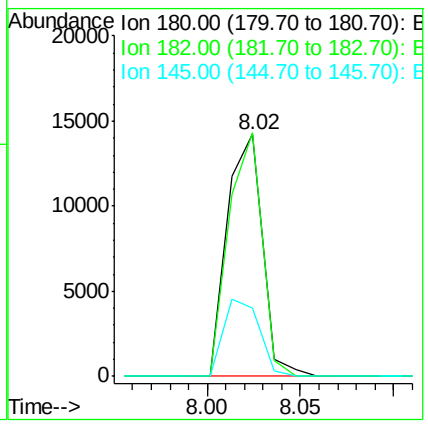


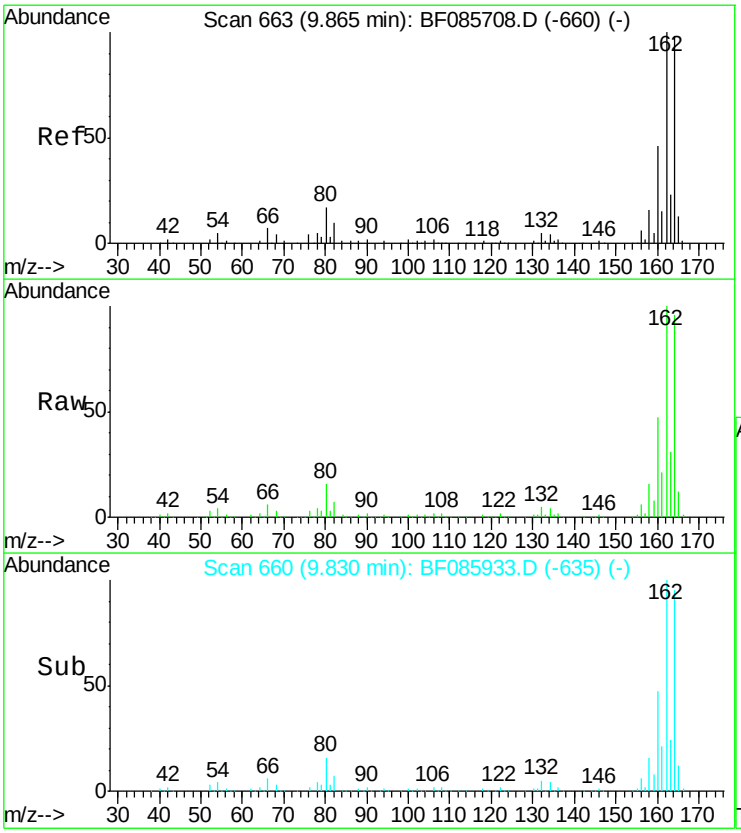
#30
1,2,4-Trichlorobenzene
Concen: 2.66 ng
RT: 8.02 min Scan# 502
Delta R.T. -0.01 min
Lab File: BF085933.D
Acq: 31 Mar 2016 17:54

Instrument :
BNA_F
ClientSampleId :
DUP-1

Tgt Ion:180 Resp: 18788

Ion	Ratio	Lower	Upper
180	100		
182	100.5	73.8	110.8
145	28.4	28.4	42.6

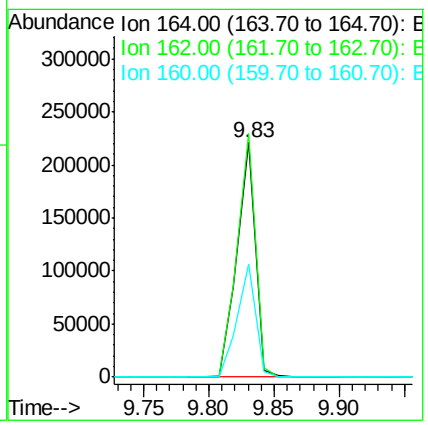


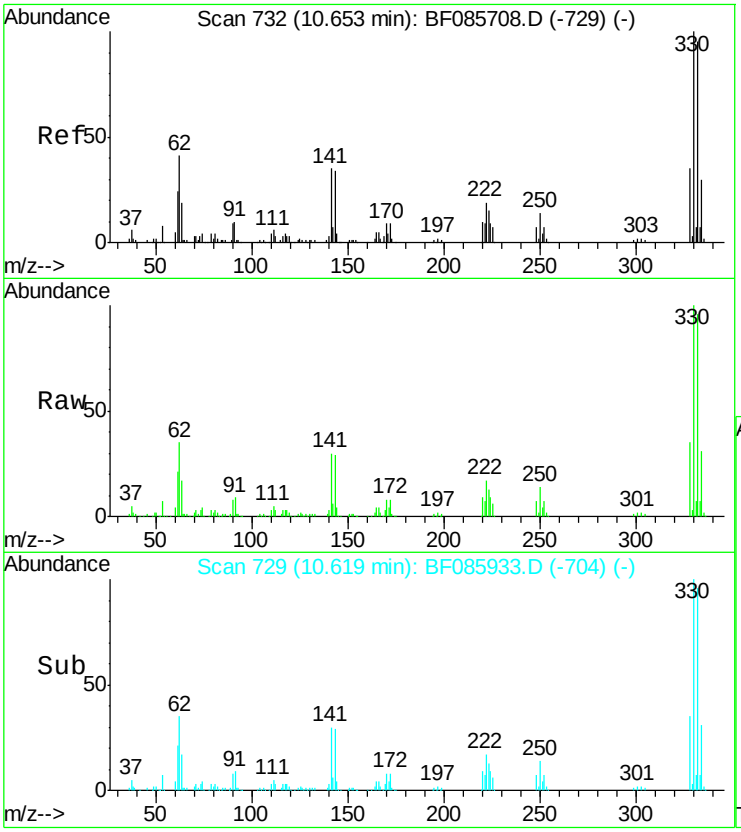


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.83 min Scan# 660
Delta R.T. -0.01 min
Lab File: BF085933.D
Acq: 31 Mar 2016 17:54

Tgt Ion:164 Resp: 215368

Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.1	123.1
160	48.5	37.4	56.2



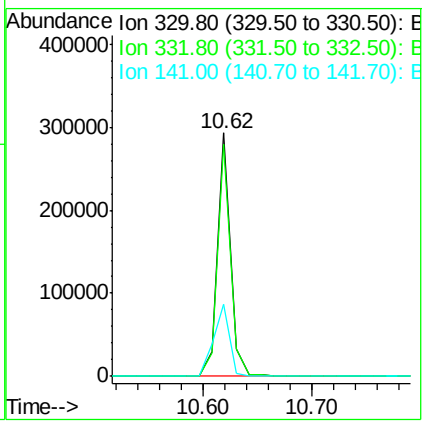


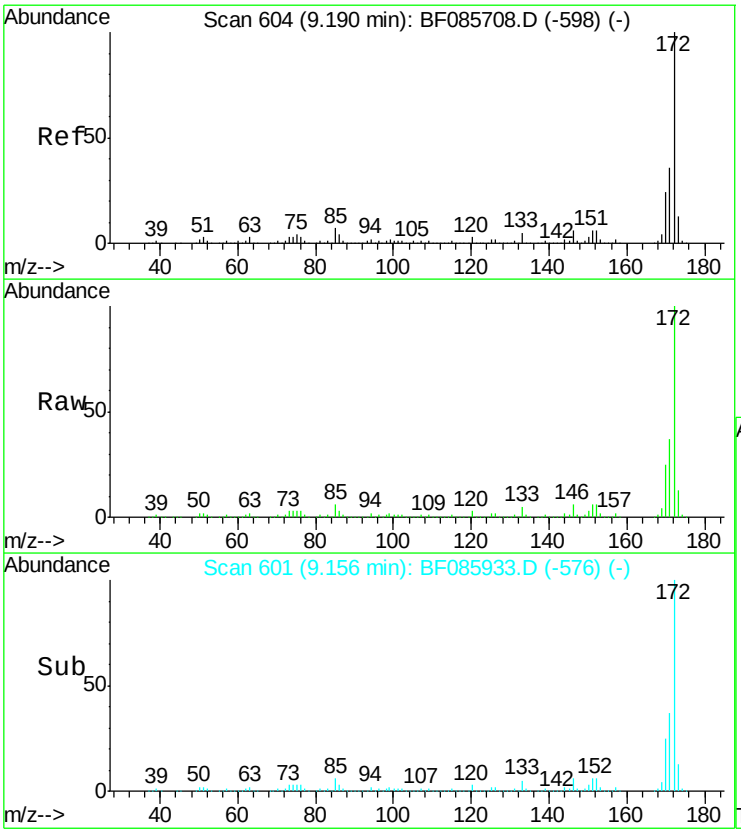
#41
2,4,6-Tribromophenol
Concen: 121.37 ng
RT: 10.62 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF085933.D
Acq: 31 Mar 2016 17:54

Instrument :
BNA_F
ClientSampleId :
DUP-1

Tgt Ion:330 Resp: 248360

Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.2	117.2
141	36.8	31.5	47.3

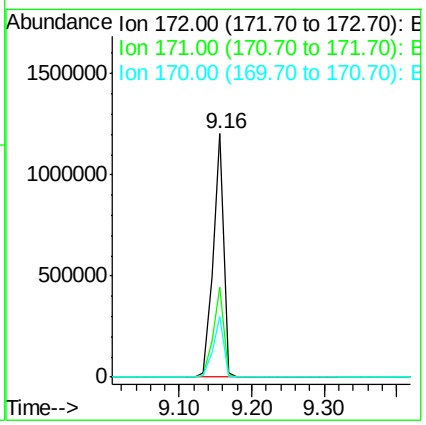


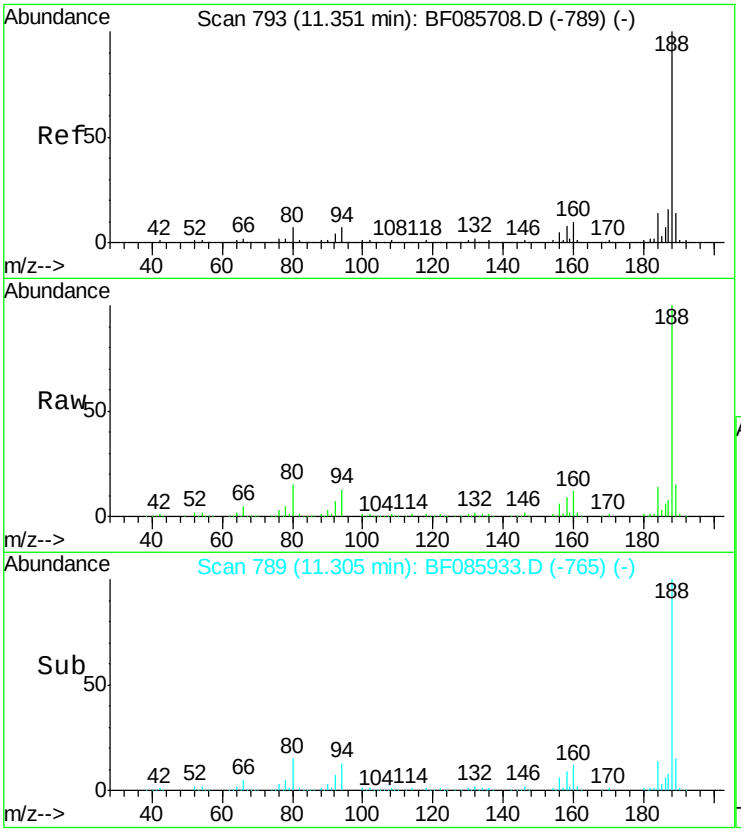


#44
2-Fluorobiphenyl
Concen: 93.48 ng
RT: 9.16 min Scan# 601
Delta R.T. -0.01 min
Lab File: BF085933.D
Acq: 31 Mar 2016 17:54

Tgt Ion:172 Resp: 1204979

Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.4	44.2
170	25.0	19.8	29.6



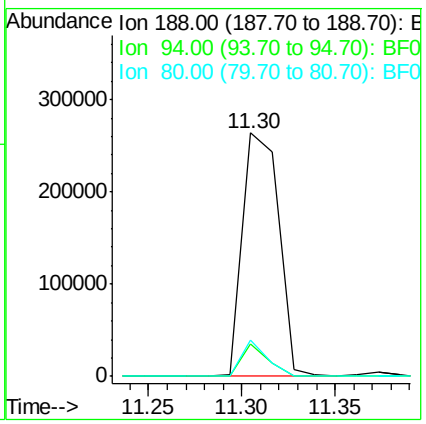


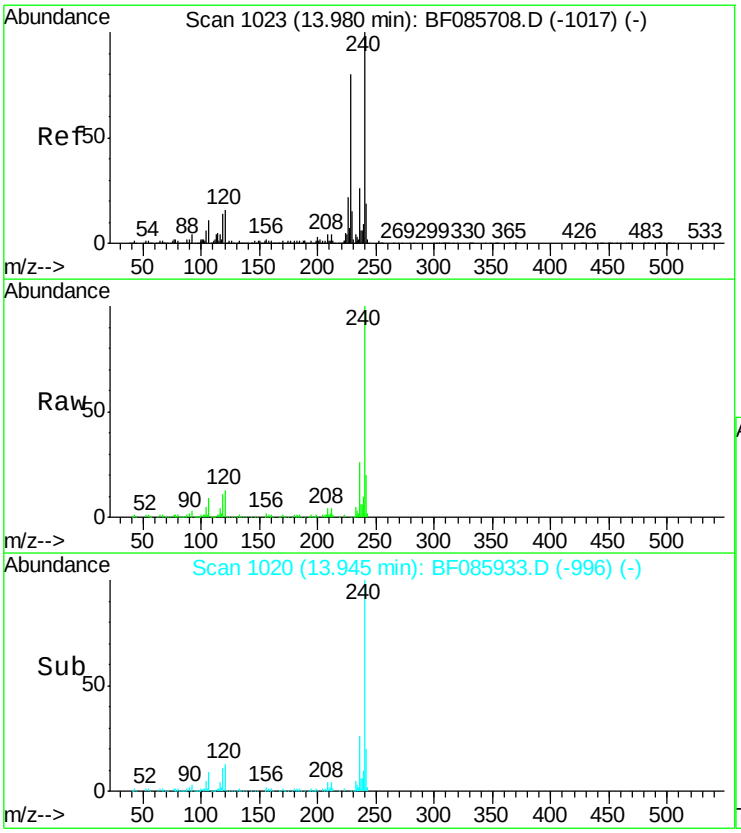
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 789
Delta R.T. -0.02 min
Lab File: BF085933.D
Acq: 31 Mar 2016 17:54

Instrument :
BNA_F
ClientSampleId :
DUP-1

Tgt Ion:188 Resp: 356725

Ion	Ratio	Lower	Upper
188	100		
94	13.2	5.4	8.0#
80	15.0	5.5	8.3#

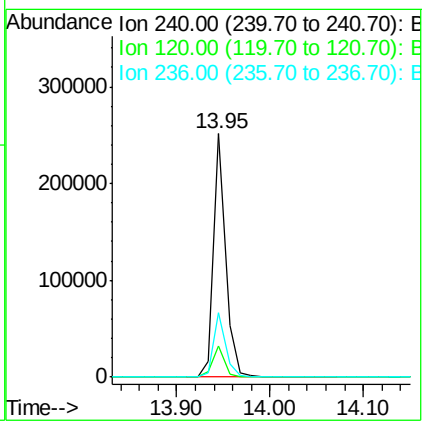


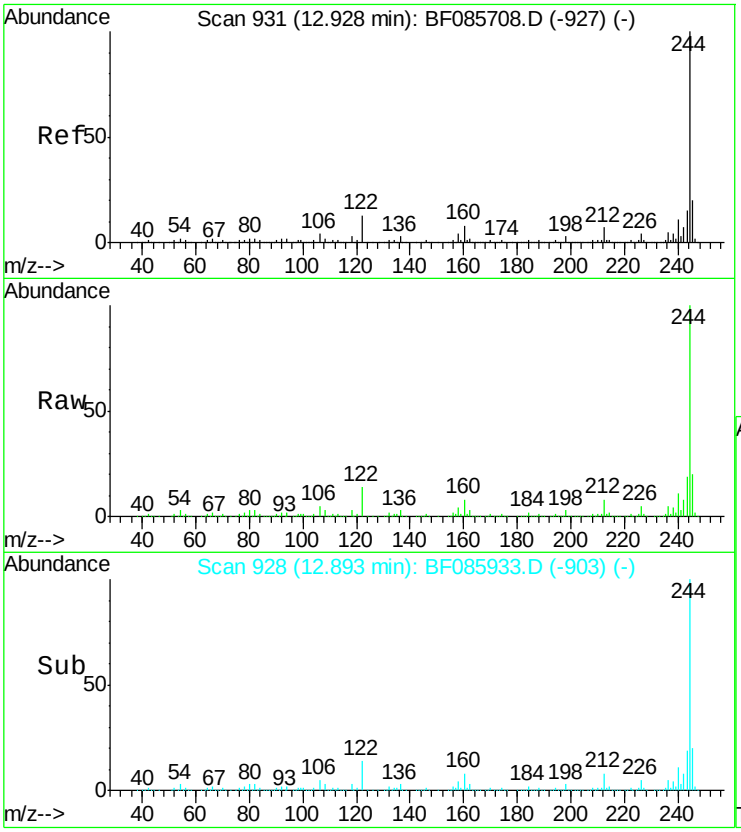


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF085933.D
Acq: 31 Mar 2016 17:54

Tgt Ion:240 Resp: 225726

Ion	Ratio	Lower	Upper
240	100		
120	13.0	13.8	20.8#
236	26.2	20.6	30.8



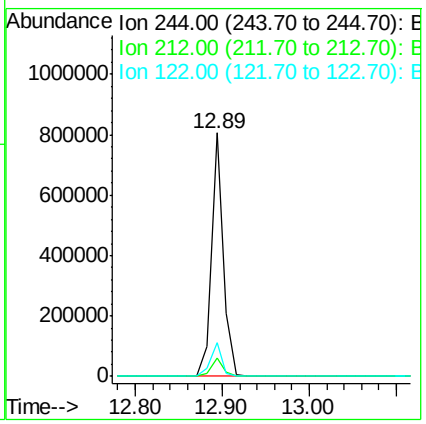


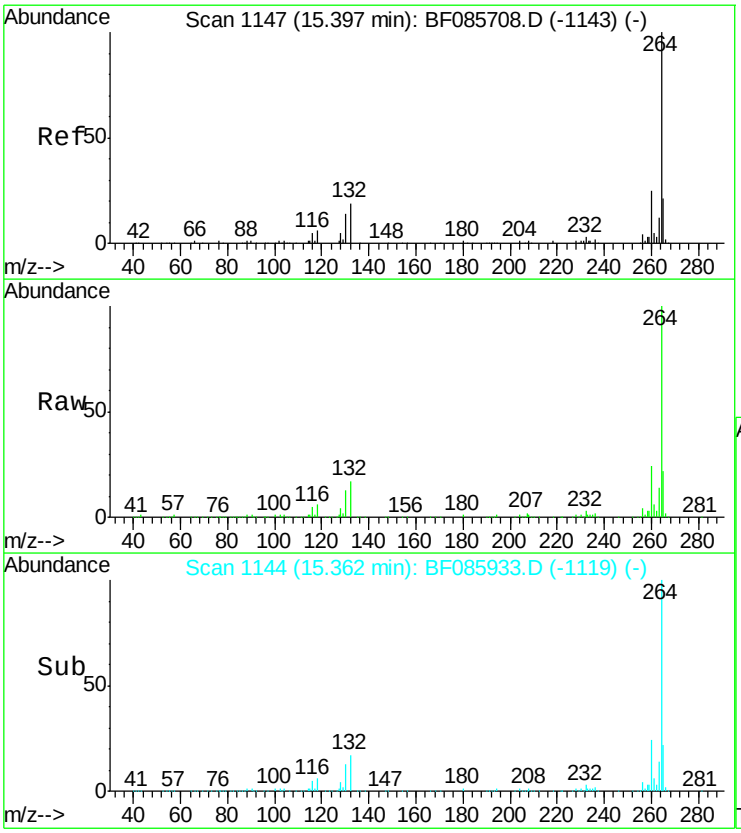
#78
Terphenyl-d14
Concen: 70.25 ng
RT: 12.89 min Scan# 928
Delta R.T. -0.01 min
Lab File: BF085933.D
Acq: 31 Mar 2016 17:54

Instrument :
BNA_F
ClientSampleId :
DUP-1

Tgt Ion:244 Resp: 771049

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.1	9.1
122	14.0	10.2	15.4





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF085933.D
Acq: 31 Mar 2016 17:54

Tgt Ion:264 Resp: 221348

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	21.7	17.2	25.8