Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082316\
Data File : BF089840.D
Acq On : 23 Aug 2016 17:38
Operator : UM/SJ
Sample : H4547-17
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : D-12(2.5-3)

Quant Time: Aug 25 13:53:38 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 19 14:02:57 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	422448	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	1783608	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	811630	20.00	ng	-0.01
63) Phenanthrene-d10	11.18	188	1458990	20.00	ng	-0.01
75) Chrysene-d12	13.82	240	1285558	20.00	ng	-0.06
86) Perylene-d12	15.26	264	1058033	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	2688299	109.13	ng	-0.01
7) Phenol-d6	6.31	99	3571114	118.09	ng	-0.01
23) Nitrobenzene-d5	7.23	82	1998870	69.62	ng	-0.02
41) 2,4,6-Tribromophenol	10.49	330	788847	102.27	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	3423601	74.14	ng	-0.01
78) Terphenyl-d14	12.78	244	3151048	55.45	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.32	94	74311	2.10	ng	# 68
31) Naphthalene	7.98	128	312665	3.75	ng	96
49) Dimethylphthalate	9.44	163	1127644	19.73	ng	# 97

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

Quantitation Report (QT Reviewed)

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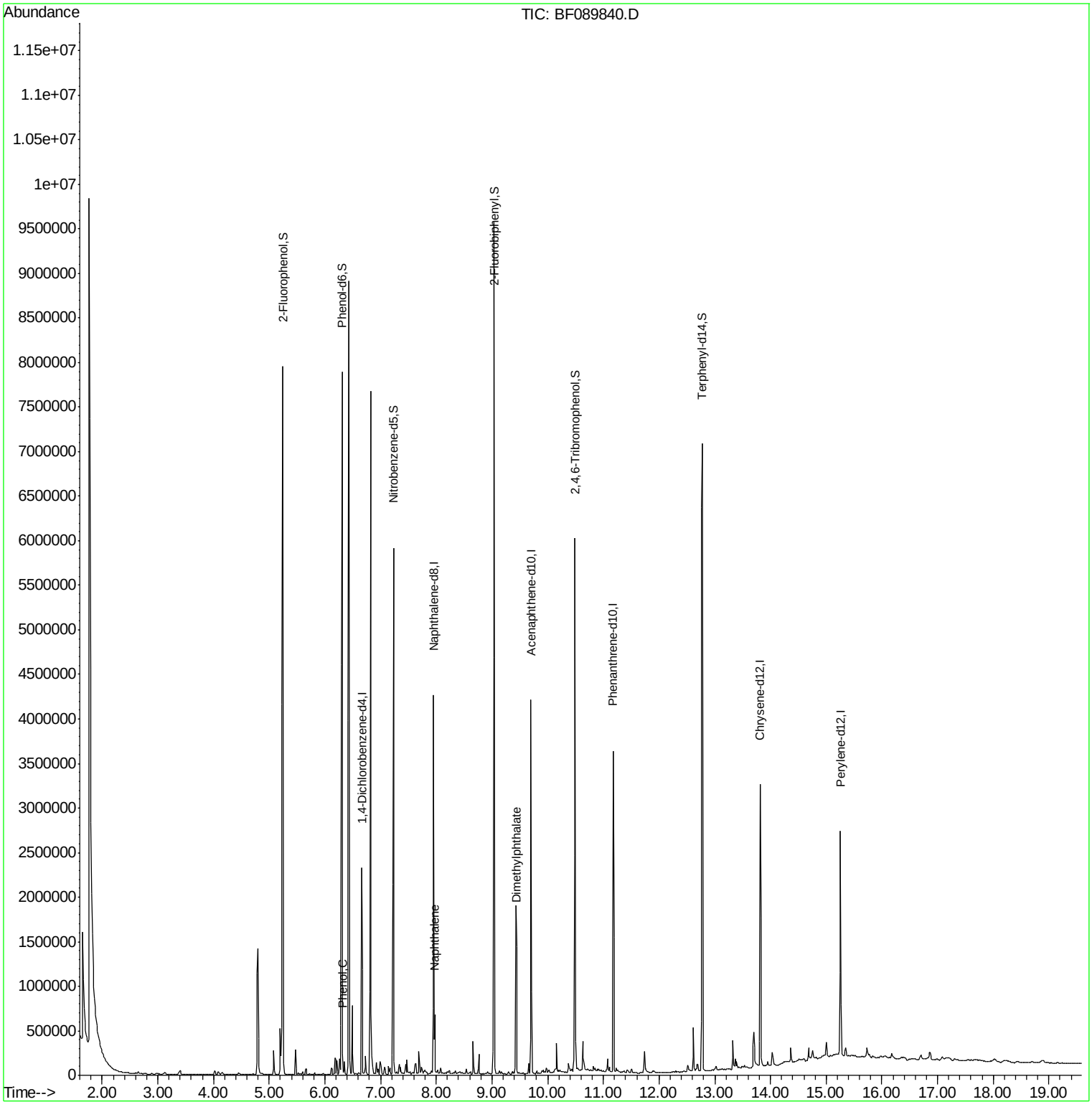
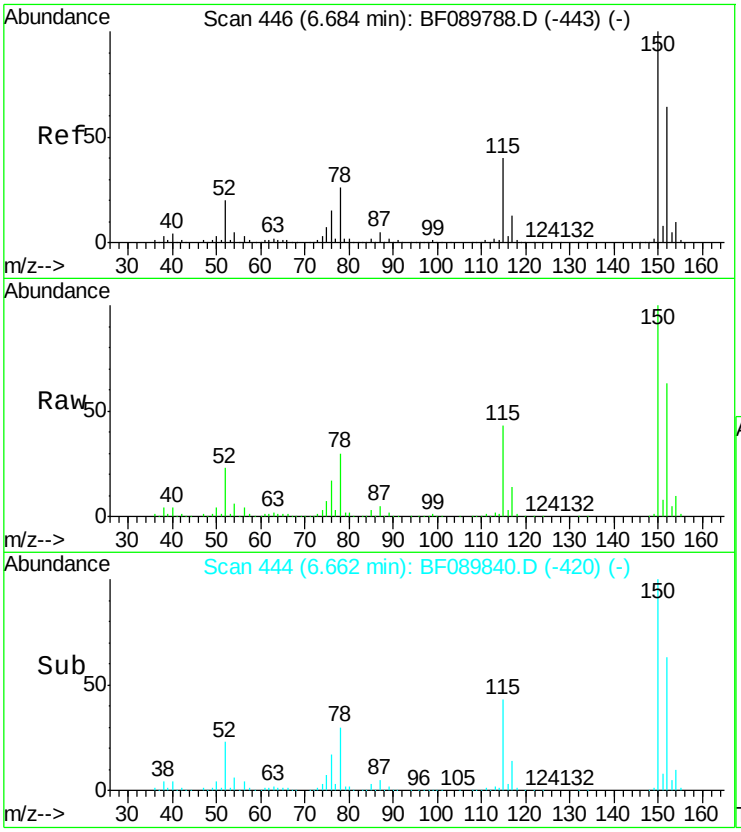


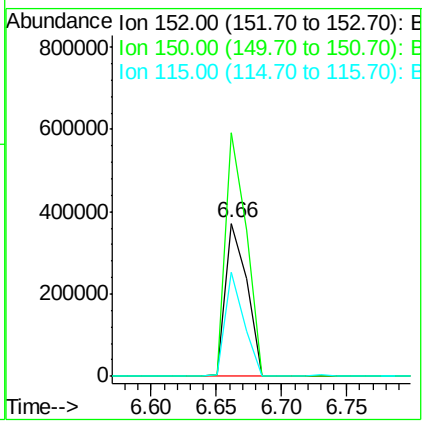


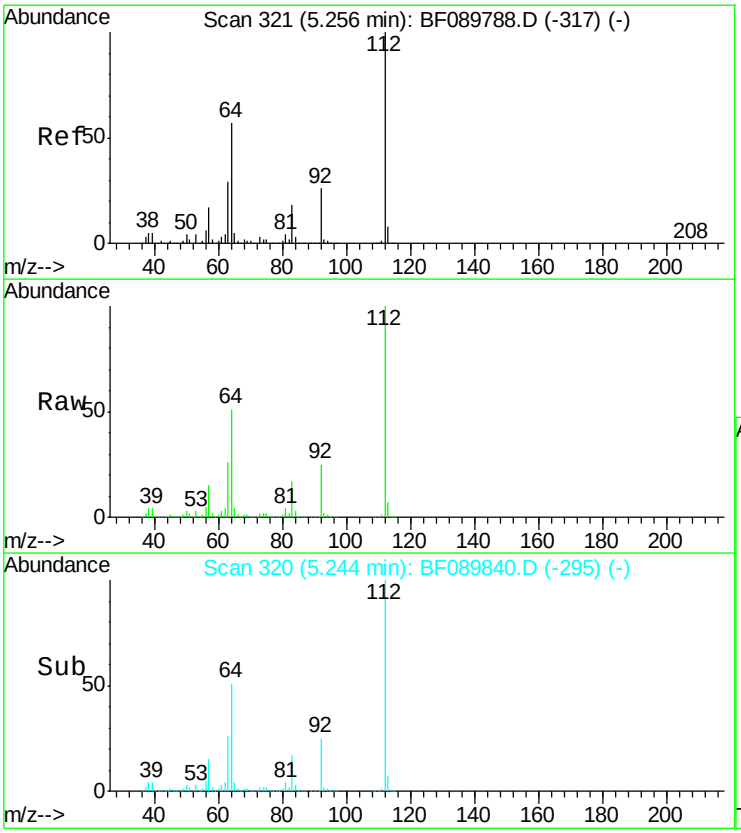
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.66 min Scan# 444
Delta R.T. -0.02 min
Lab File: BF089840.D
Acq: 23 Aug 2016 17:38

Instrument :
BNA_F
ClientSampleId :
D-12(2.5-3)

Tgt Ion:152 Resp: 422448

Ion	Ratio	Lower	Upper
152	100		
150	159.2	125.3	187.9
115	68.0	40.9	61.3#

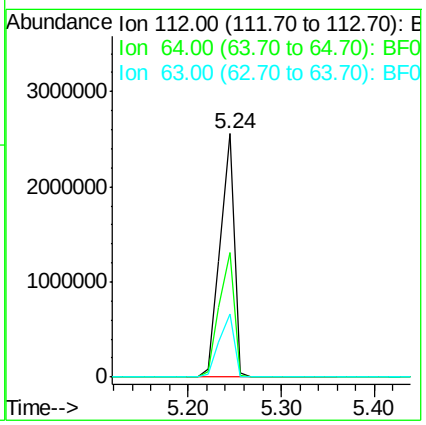


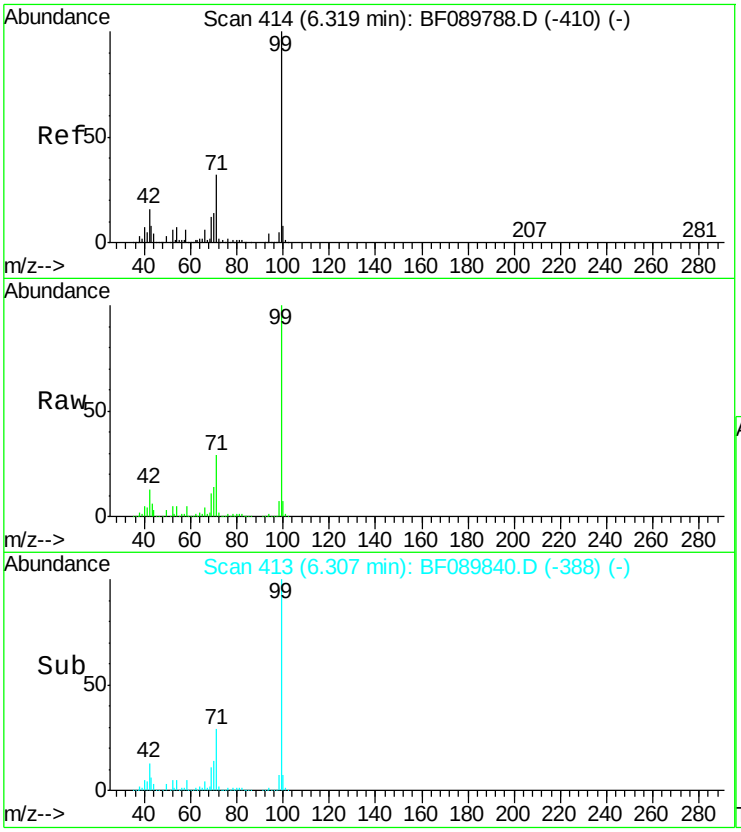


#5
2-Fluorophenol
Concen: 109.13 ng
RT: 5.24 min Scan# 320
Delta R.T. -0.01 min
Lab File: BF089840.D
Acq: 23 Aug 2016 17:38

Tgt Ion:112 Resp: 2688299

Ion	Ratio	Lower	Upper
112	100		
64	51.3	45.0	67.4
63	25.7	23.1	34.7



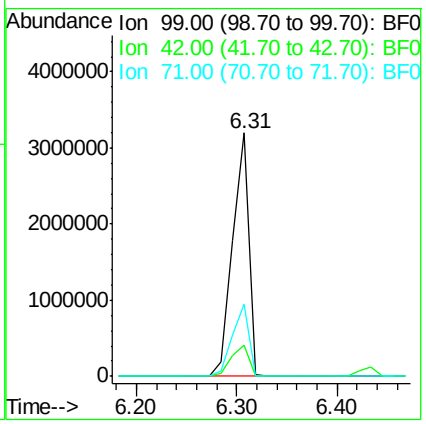


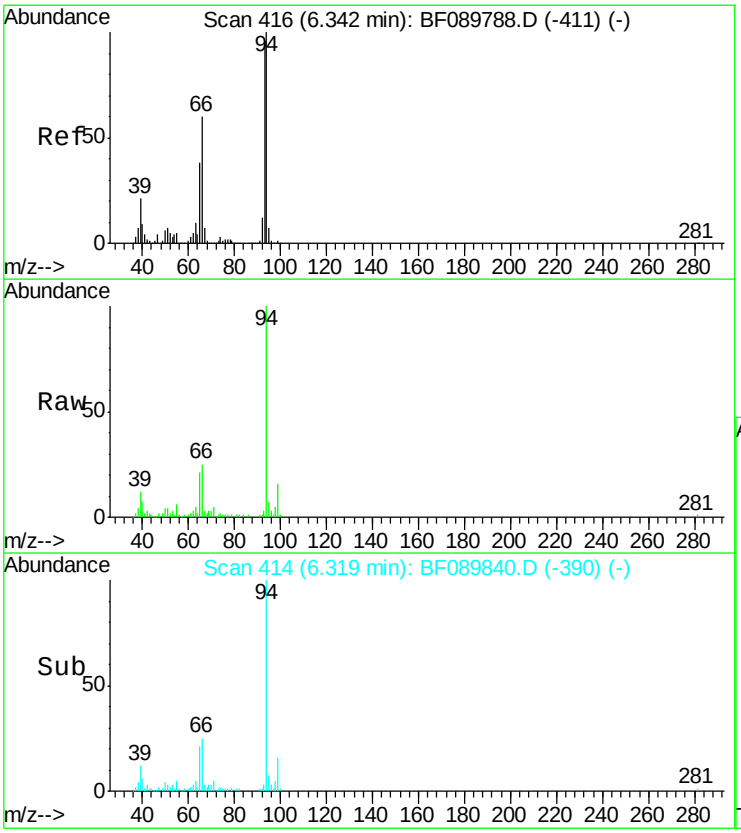
#7
Phenol-d6
Concen: 118.09 ng
RT: 6.31 min Scan# 413
Delta R.T. -0.01 min
Lab File: BF089840.D
Acq: 23 Aug 2016 17:38

Instrument :
BNA_F
ClientSampleId :
D-12(2.5-3)

Tgt Ion: 99 Resp: 3571114

Ion	Ratio	Lower	Upper
99	100		
42	12.6	12.2	18.4
71	29.4	23.8	35.8

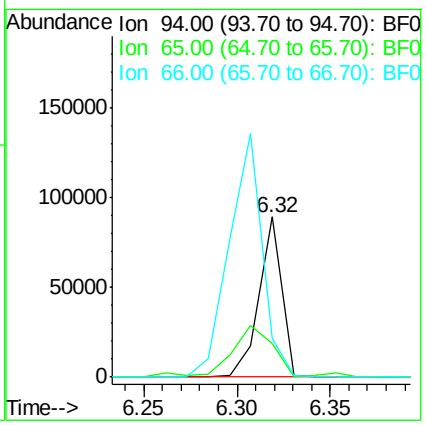


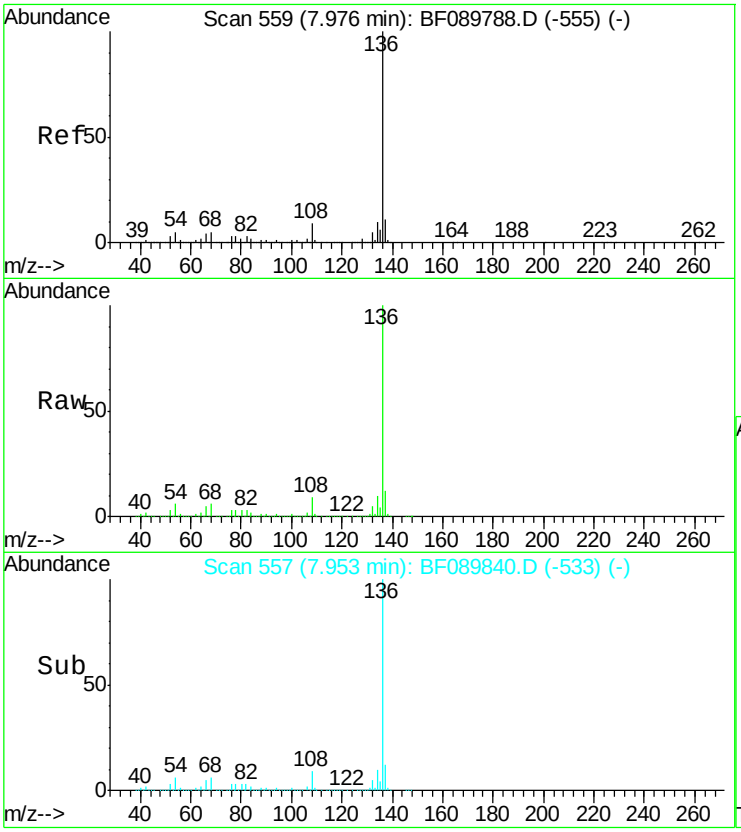


#10
Phenol
Concen: 2.10 ng
RT: 6.32 min Scan# 414
Delta R.T. -0.02 min
Lab File: BF089840.D
Acq: 23 Aug 2016 17:38

Tgt Ion: 94 Resp: 74311

Ion	Ratio	Lower	Upper
94	100		
65	20.9	14.0	54.0
66	24.7	31.2	71.2#



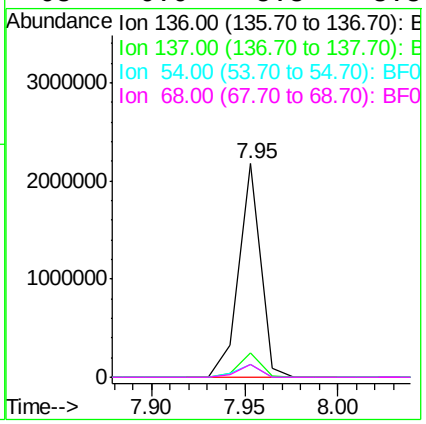


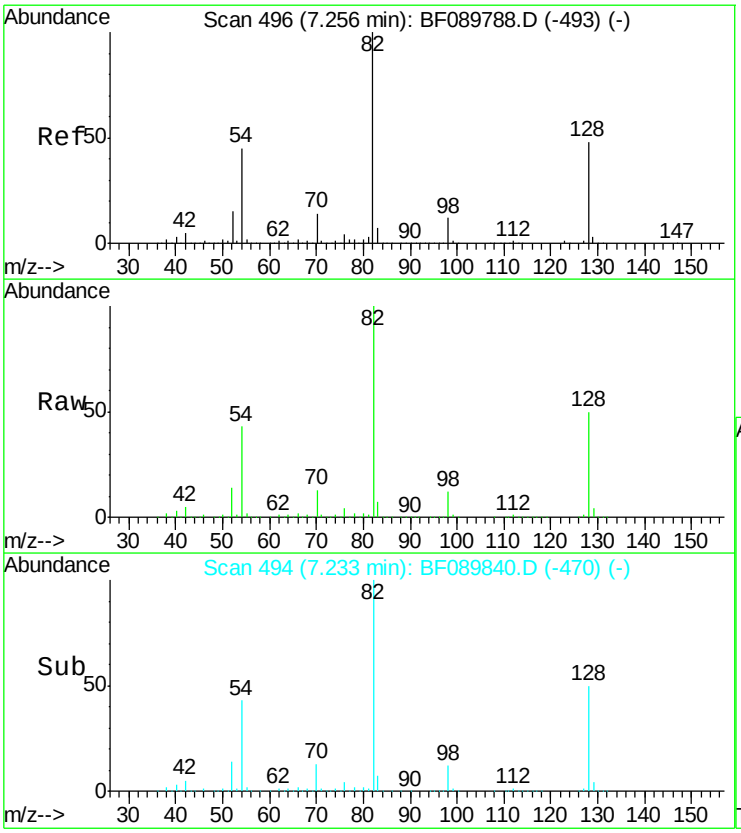
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.02 min
Lab File: BF089840.D
Acq: 23 Aug 2016 17:38

Instrument :
BNA_F
ClientSampleId :
D-12(2.5-3)

Tgt Ion:136 Resp: 1783608

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	6.2	7.2	10.8#
68	6.0	5.8	8.8

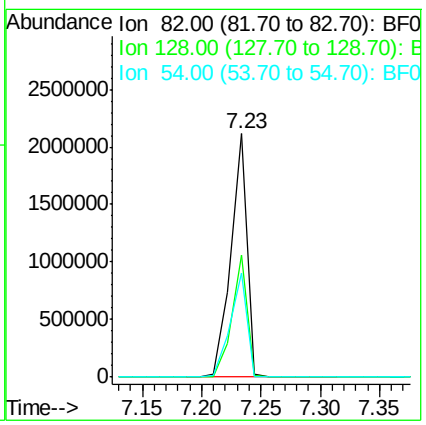


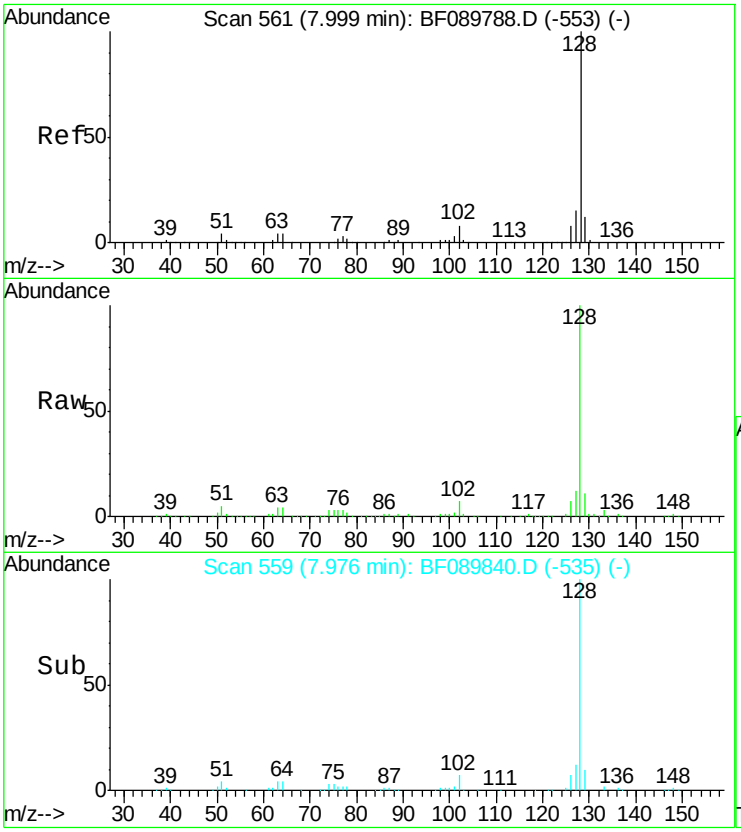


#23
Nitrobenzene-d5
Concen: 69.62 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.02 min
Lab File: BF089840.D
Acq: 23 Aug 2016 17:38

Tgt Ion: 82 Resp: 1998870

Ion	Ratio	Lower	Upper
82	100		
128	50.0	34.4	51.6
54	42.7	40.3	60.5



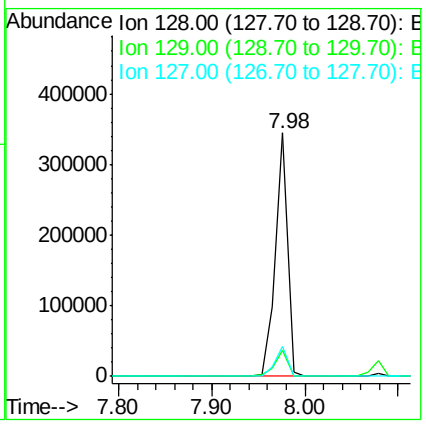


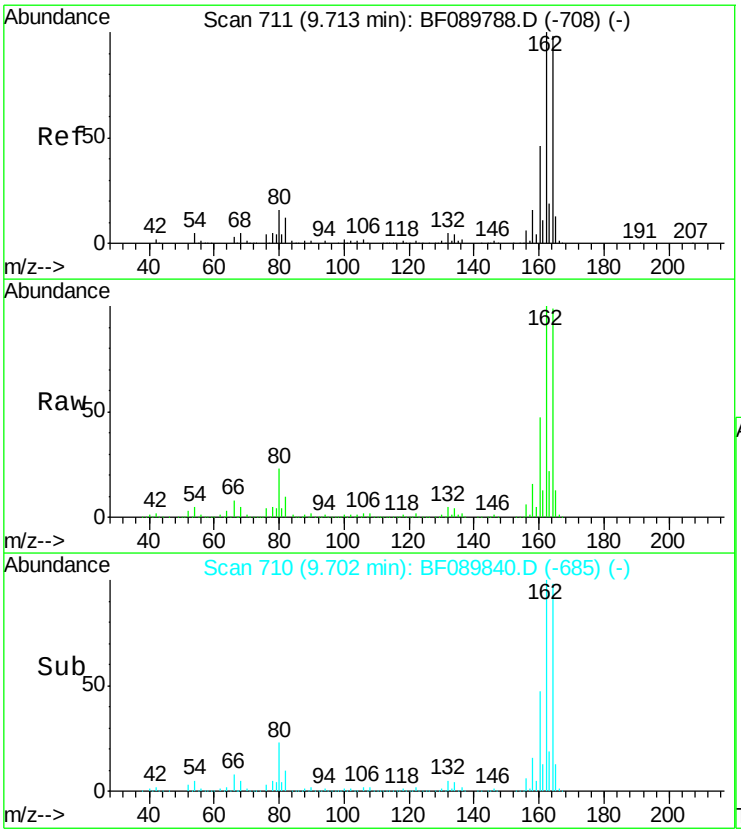
#31
Naphthalene
Concen: 3.75 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF089840.D
Acq: 23 Aug 2016 17:38

Instrument :
BNA_F
ClientSampleId :
D-12(2.5-3)

Tgt Ion:128 Resp: 312665

Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.5	14.3
127	12.5	11.3	16.9

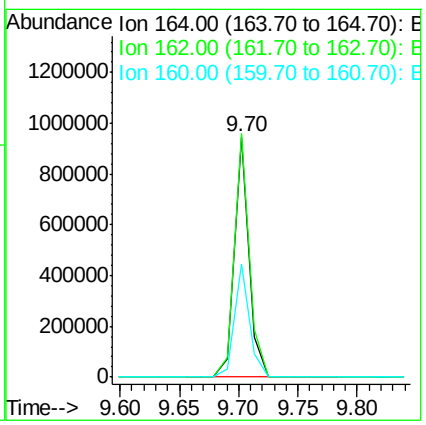


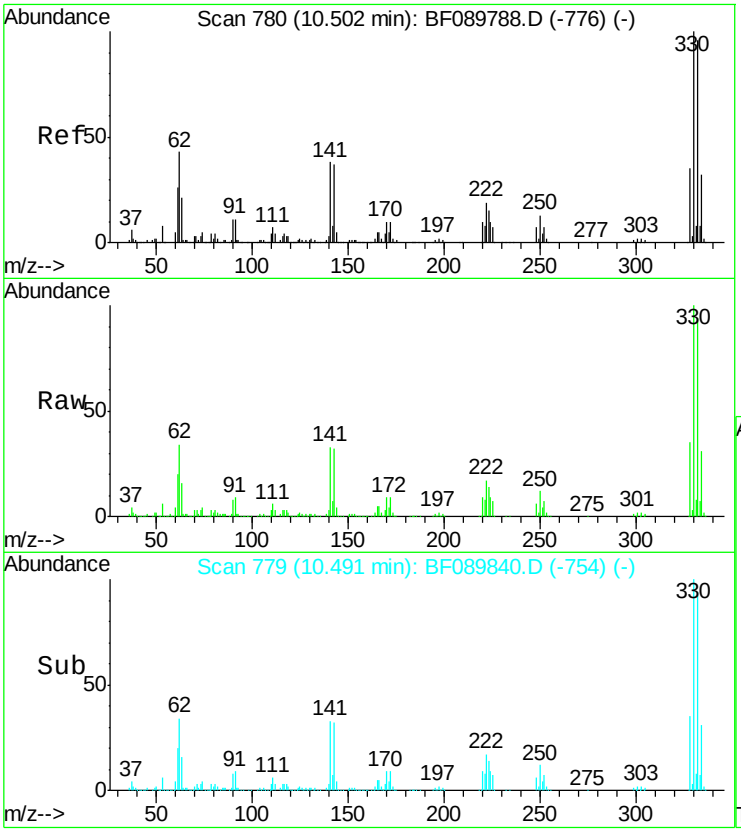


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.01 min
Lab File: BF089840.D
Acq: 23 Aug 2016 17:38

Tgt Ion:164 Resp: 811630

Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.4	122.2
160	47.2	37.8	56.6



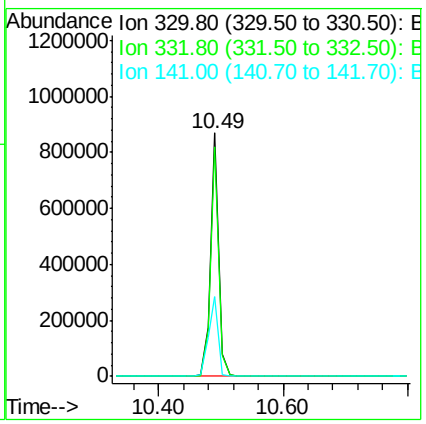


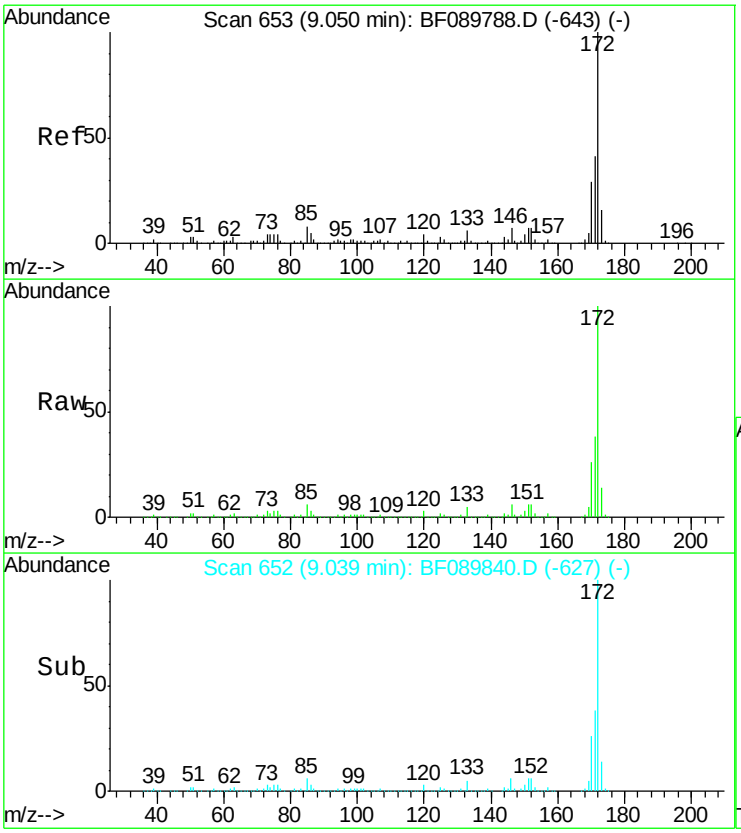
#41
2,4,6-Tribromophenol
Concen: 102.27 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.01 min
Lab File: BF089840.D
Acq: 23 Aug 2016 17:38

Instrument :
BNA_F
ClientSampleId :
D-12(2.5-3)

Tgt Ion:330 Resp: 788847

Ion	Ratio	Lower	Upper
330	100		
332	94.5	76.7	115.1
141	38.4	30.2	45.2

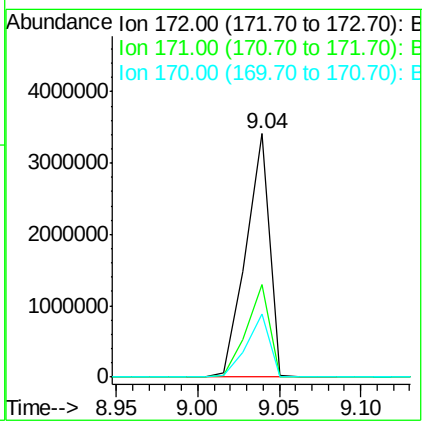


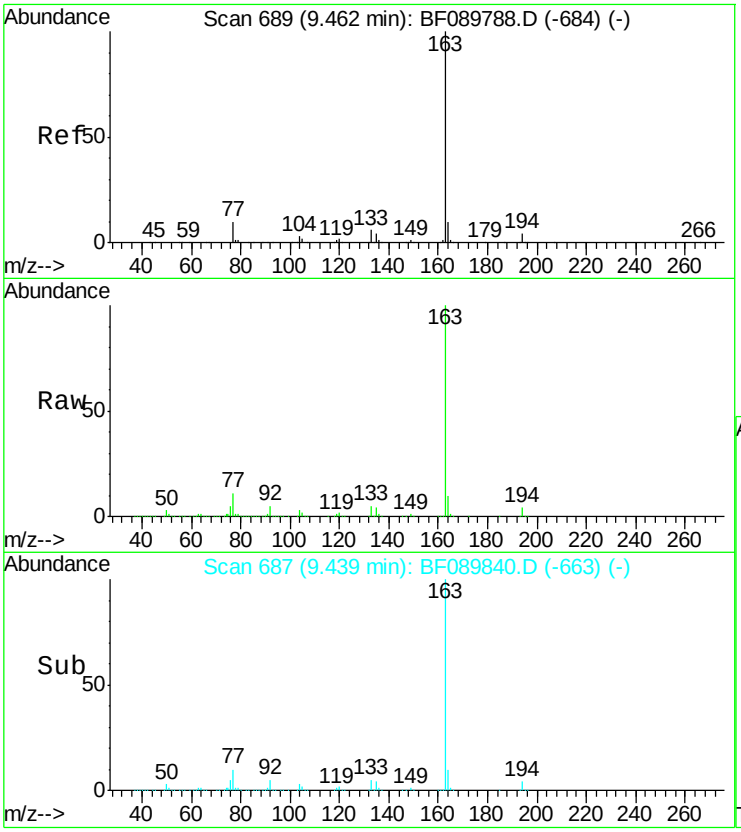


#44
2-Fluorobiphenyl
Concen: 74.14 ng
RT: 9.04 min Scan# 652
Delta R.T. -0.01 min
Lab File: BF089840.D
Acq: 23 Aug 2016 17:38

Tgt Ion:172 Resp: 3423601

Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.5	45.7
170	26.1	20.6	31.0



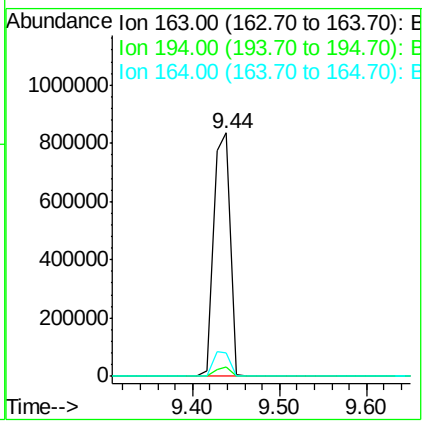


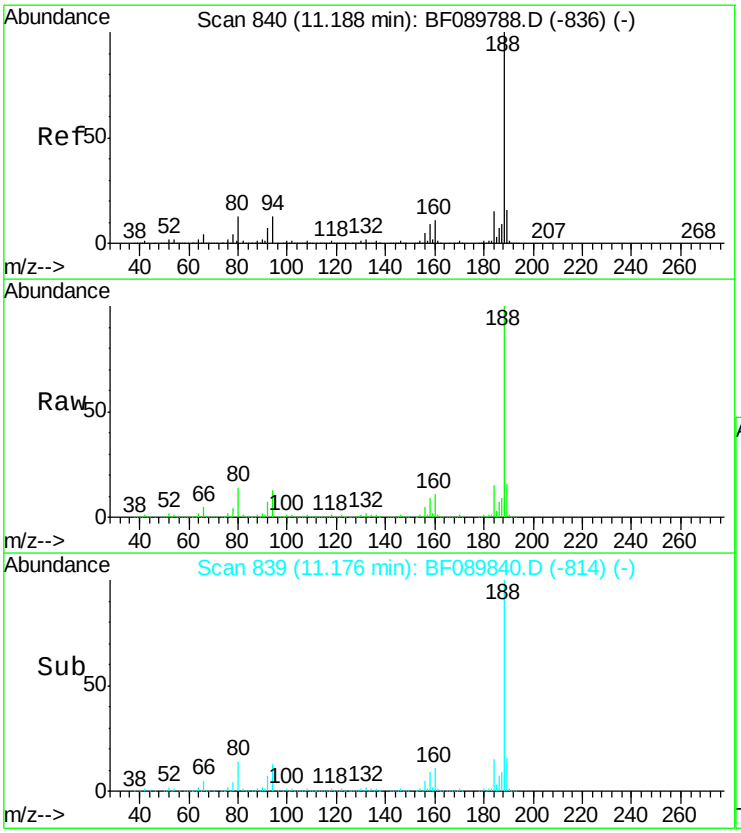
#49
Dimethylphthalate
Concen: 19.73 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF089840.D
Acq: 23 Aug 2016 17:38

Instrument :
BNA_F
ClientSampleId :
D-12(2.5-3)

Tgt Ion:163 Resp: 1127644

Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.6	3.8#
164	9.5	8.6	12.8

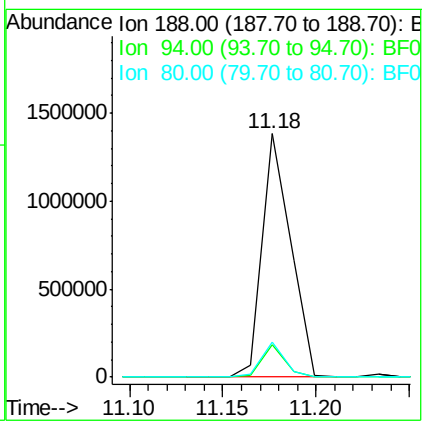


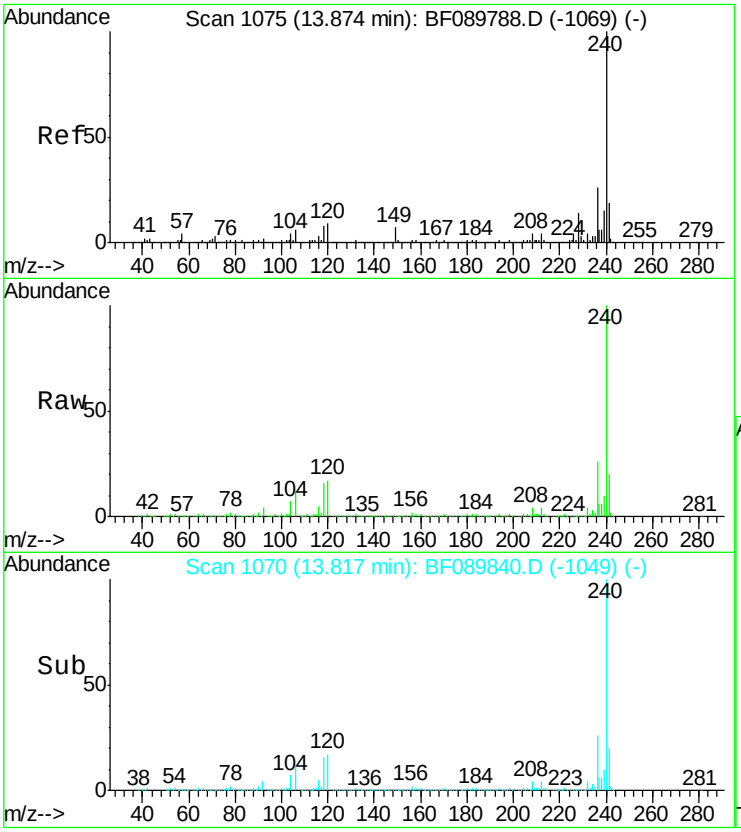


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.01 min
Lab File: BF089840.D
Acq: 23 Aug 2016 17:38

Tgt Ion:188 Resp: 1458990

Ion	Ratio	Lower	Upper
188	100		
94	13.4	10.2	15.2
80	14.3	10.9	16.3



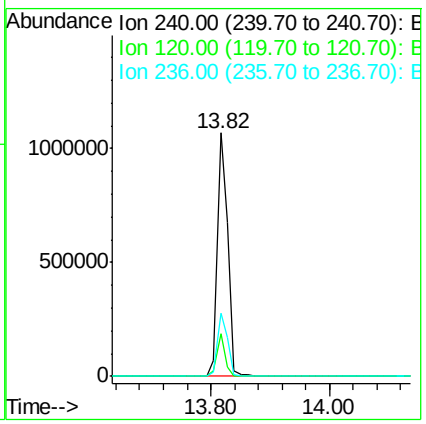


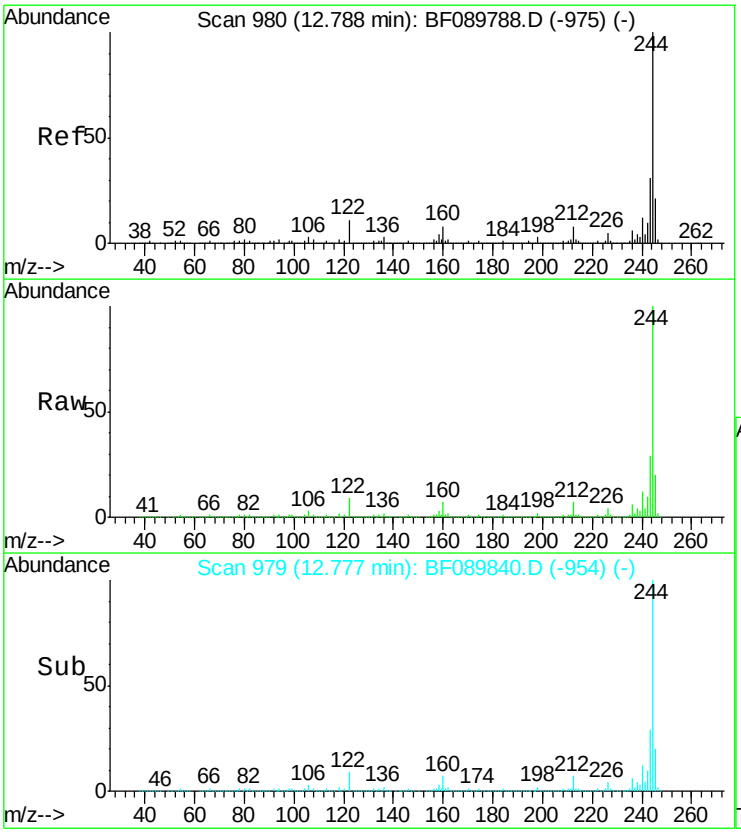
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.82 min Scan# 1070
Delta R.T. -0.06 min
Lab File: BF089840.D
Acq: 23 Aug 2016 17:38

Instrument :
BNA_F
ClientSampleId :
D-12(2.5-3)

Tgt Ion:240 Resp: 1285558

Ion	Ratio	Lower	Upper
240	100		
120	17.4	8.3	12.5#
236	26.2	21.3	31.9

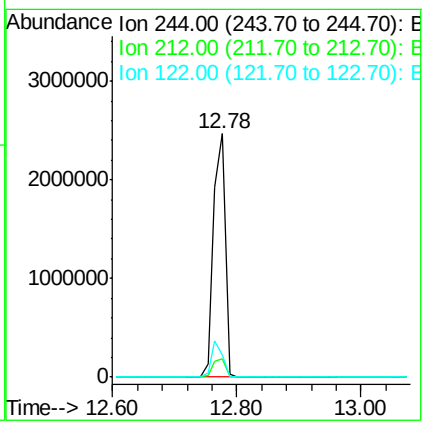


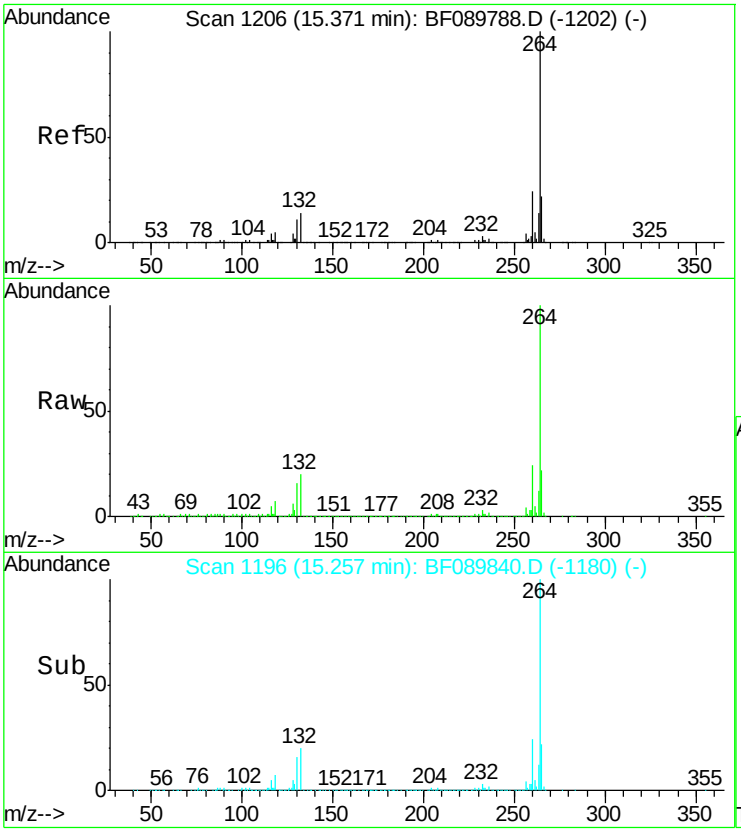


#78
Terphenyl-d14
Concen: 55.45 ng
RT: 12.78 min Scan# 979
Delta R.T. -0.01 min
Lab File: BF089840.D
Acq: 23 Aug 2016 17:38

Tgt Ion:244 Resp: 3151048

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.3	9.5
122	8.9	12.0	18.0#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.26 min Scan# 1196
Delta R.T. -0.11 min
Lab File: BF089840.D
Acq: 23 Aug 2016 17:38

Instrument :
BNA_F
ClientSampleId :
D-12(2.5-3)

Tgt Ion:264 Resp: 1058033

Ion	Ratio	Lower	Upper
264	100		
260	24.2	20.2	30.2
265	21.7	17.4	26.2