Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090517.D
Acq On : 11 Oct 2016 22:13
Operator : UM/SJ
Sample : H5146-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0620

Quant Time: Oct 12 11:52:24 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 11 16:14:43 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	215726	20.00	ng		0.00
21) Naphthalene-d8	8.25	136	864471	20.00	ng		0.00
38) Acenaphthene-d10	10.01	164	475867	20.00	ng		0.00
63) Phenanthrene-d10	11.50	188	733719	20.00	ng		0.02
75) Chrysene-d12	14.13	240	486646	20.00	ng		0.00
86) Perylene-d12	15.62	264	407125	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.56	112	685539	49.44	ng		0.00
7) Phenol-d6	6.59	99	745685	42.61	ng		0.00
23) Nitrobenzene-d5	7.51	82	1181910	74.15	ng		0.00
41) 2,4,6-Tribromophenol	10.81	330	588110	124.67	ng		0.01
44) 2-Fluorobiphenyl	9.32	172	2297162	81.12	ng		0.00
78) Terphenyl-d14	13.08	244	1594966	80.10	ng		0.00
Target Compounds							Qvalue
14) 1,2-Dichlorobenzene	7.13	146	49653	3.36	ng		97
27) 2,4-Dimethylphenol	7.93	122	101758	7.67	ng	#	92
31) Naphthalene	8.27	128	2345661	54.46	ng		99
37) 2-Methylnaphthalene	8.95	142	191565	6.63	ng	#	95

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

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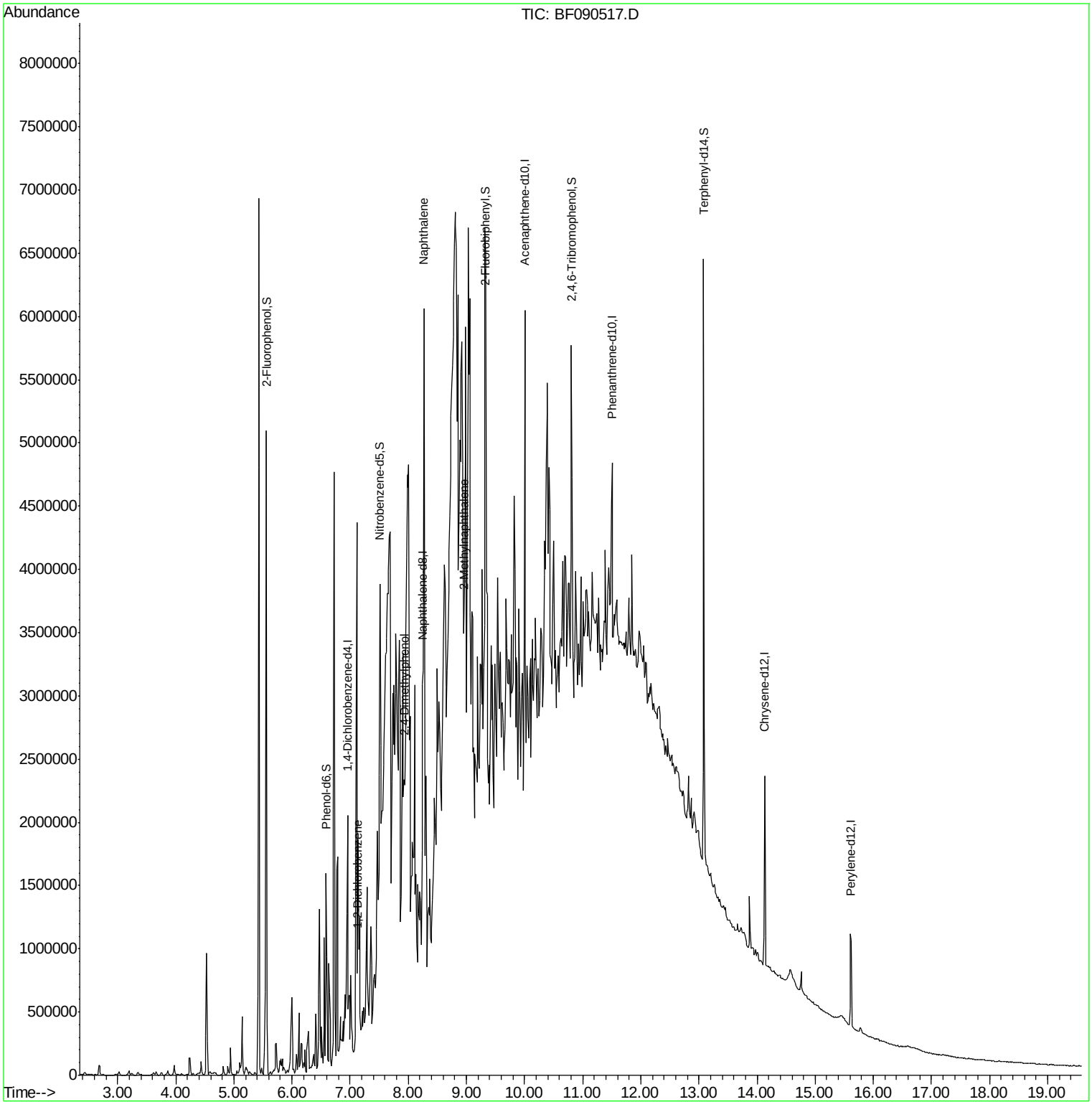
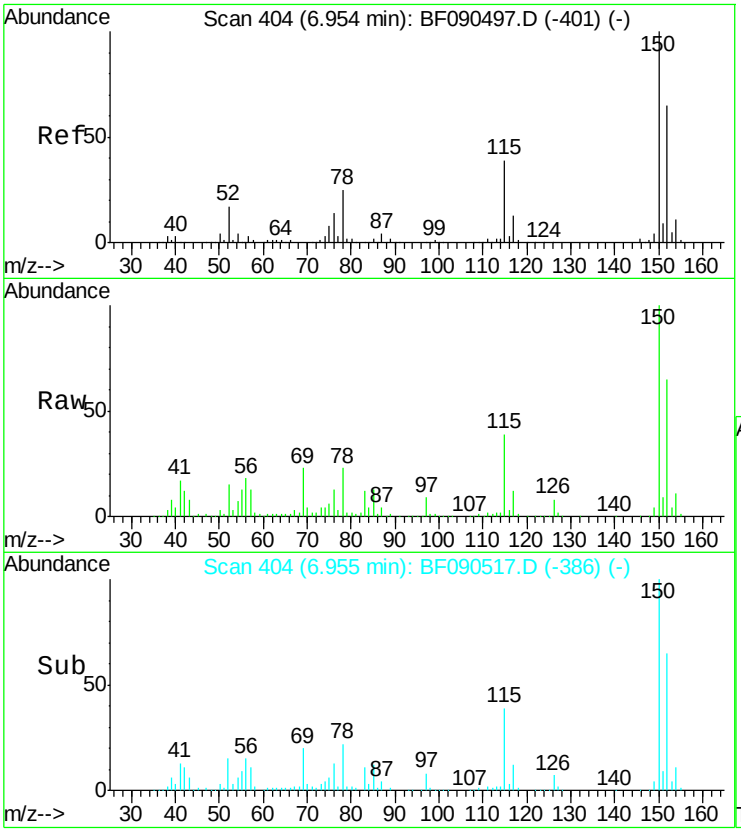


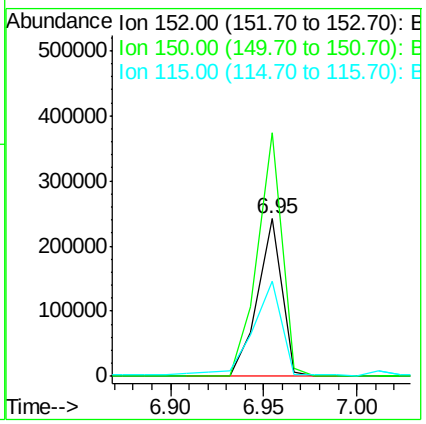


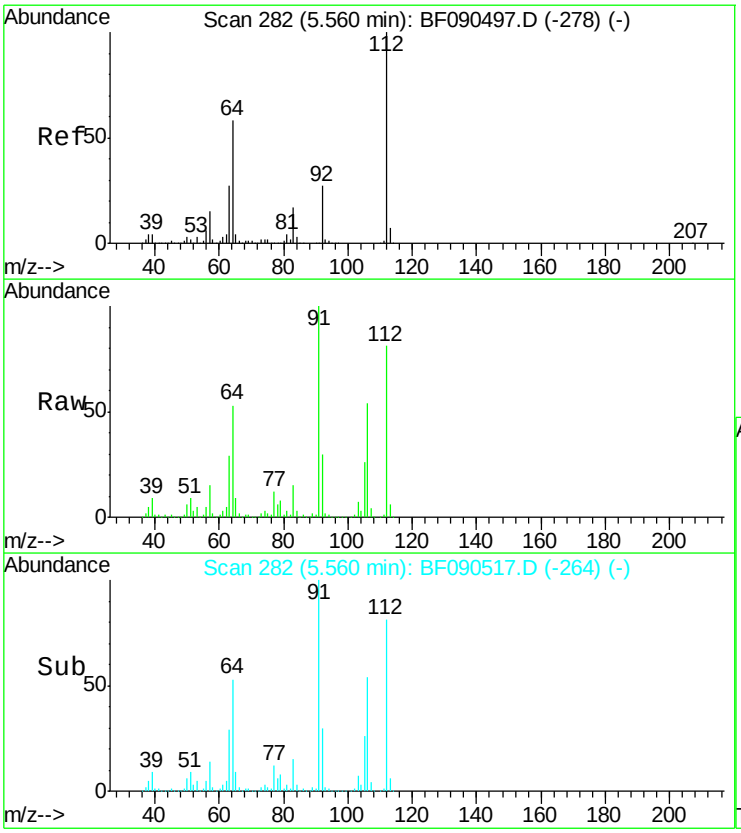
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.95 min Scan# 404
Delta R.T. 0.00 min
Lab File: BF090517.D
Acq: 11 Oct 2016 22:13

Instrument :
BNA_F
ClientSampleId :
S8-0620

Tgt Ion:152 Resp: 215726

Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.6	186.8
115	60.8	46.2	69.4

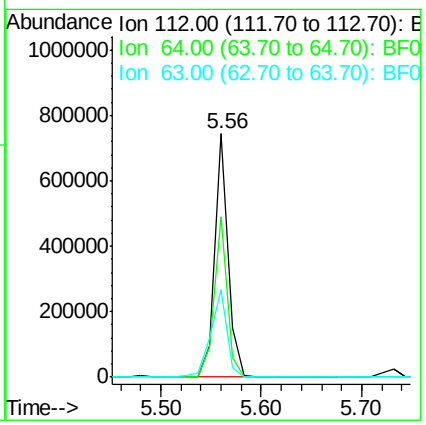


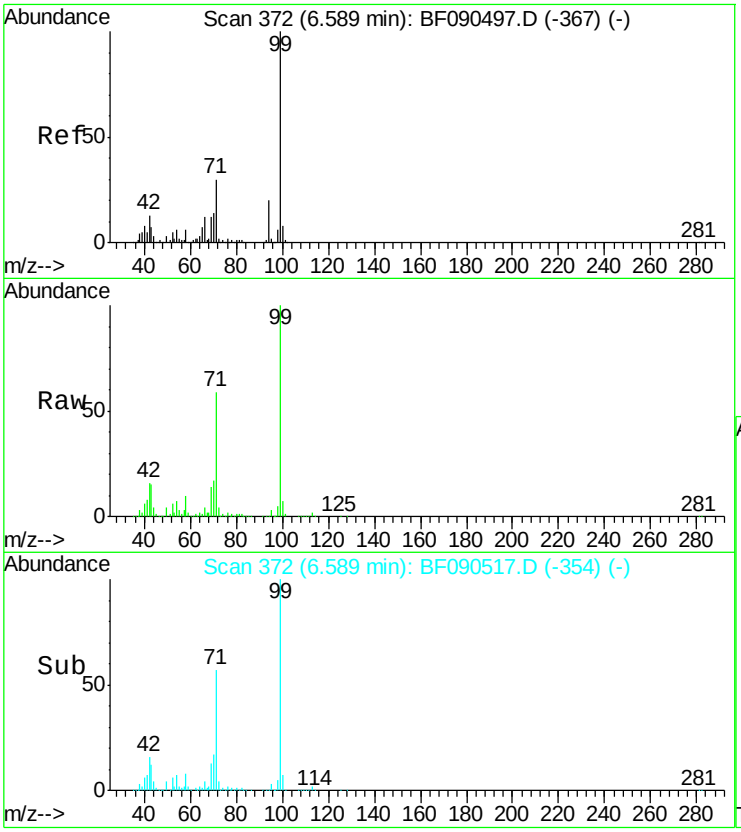


#5
2-Fluorophenol
Concen: 49.44 ng
RT: 5.56 min Scan# 282
Delta R.T. 0.00 min
Lab File: BF090517.D
Acq: 11 Oct 2016 22:13

Tgt Ion:112 Resp: 685539

Ion	Ratio	Lower	Upper
112	100		
64	65.8	57.9	86.9
63	36.1	29.6	44.4



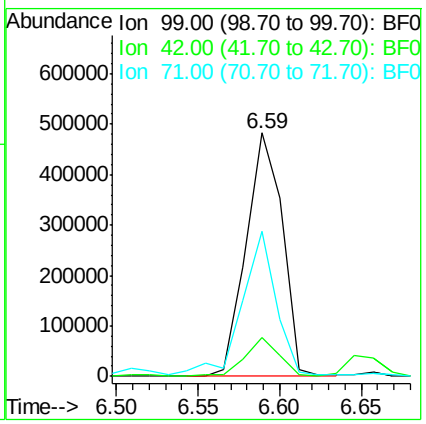


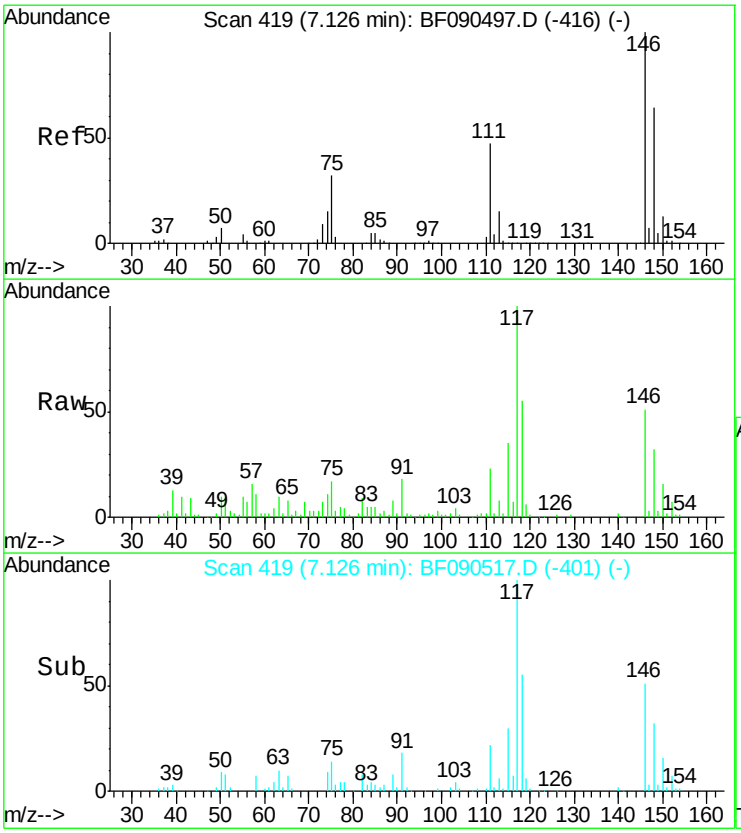
#7
Phenol-d6
Concen: 42.61 ng
RT: 6.59 min Scan# 372
Delta R.T. 0.00 min
Lab File: BF090517.D
Acq: 11 Oct 2016 22:13

Instrument :
BNA_F
ClientSampleId :
S8-0620

Tgt Ion: 99 Resp: 745685

Ion	Ratio	Lower	Upper
99	100		
42	15.9	20.0	30.0#
71	59.4	27.9	41.9#

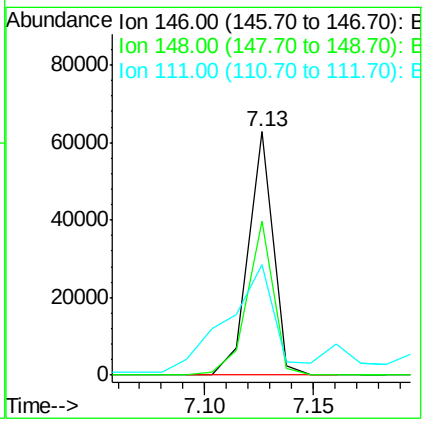


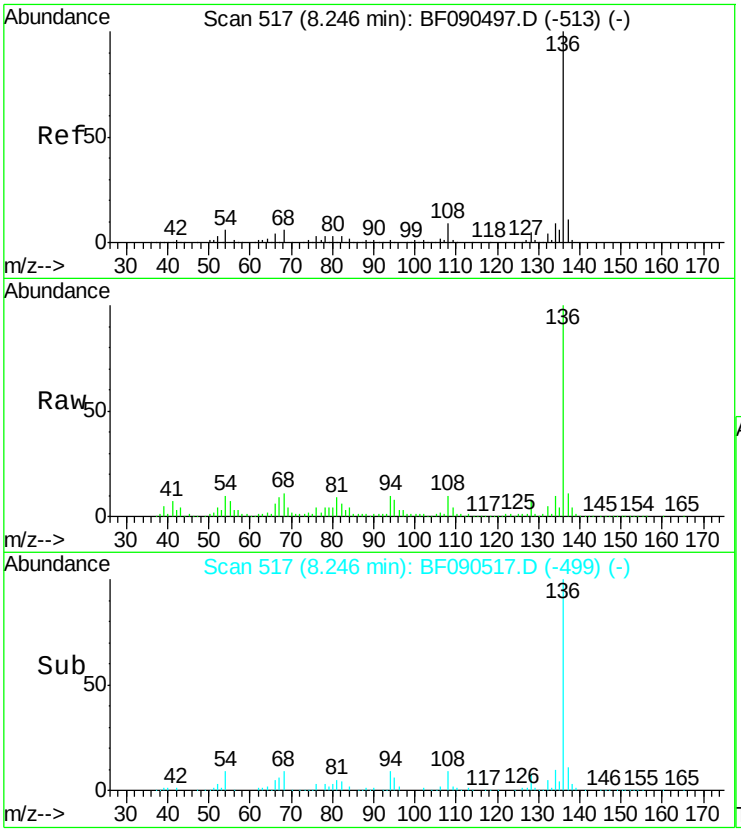


#14
1,2-Dichlorobenzene
Concen: 3.36 ng
RT: 7.13 min Scan# 419
Delta R.T. 0.00 min
Lab File: BF090517.D
Acq: 11 Oct 2016 22:13

Tgt Ion:146 Resp: 49653

Ion	Ratio	Lower	Upper
146	100		
148	63.3	52.3	78.5
111	45.2	38.2	57.4



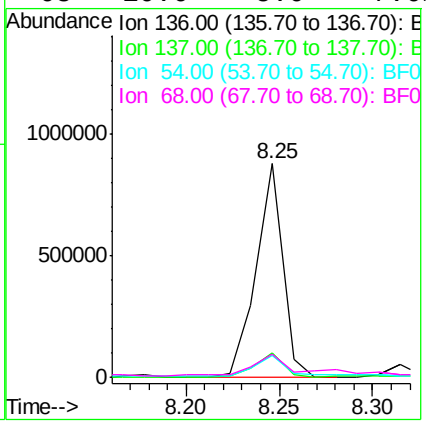


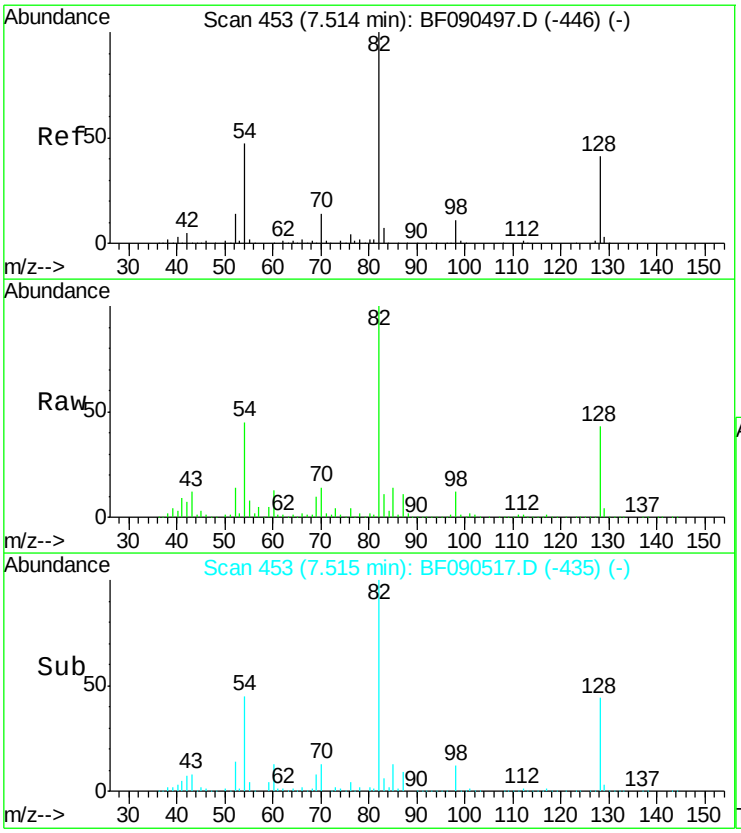
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF090517.D
Acq: 11 Oct 2016 22:13

Instrument :
BNA_F
ClientSampleId :
S8-0620

Tgt Ion:136 Resp: 864471

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.6
54	10.5	6.6	10.0#
68	10.6	5.0	7.6#

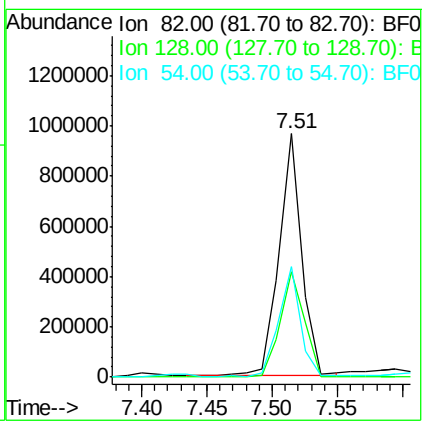


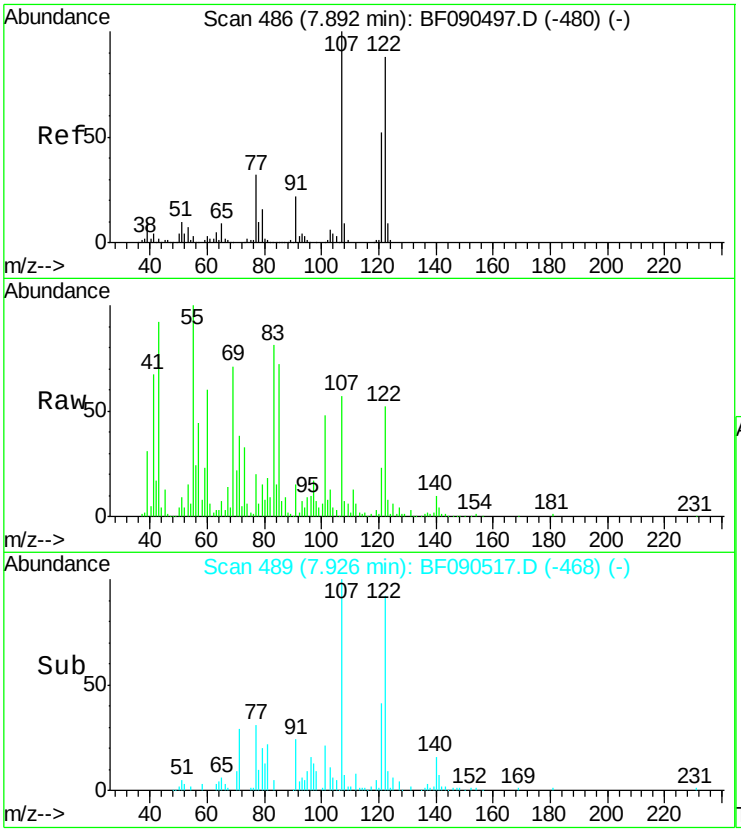


#23
Nitrobenzene-d5
Concen: 74.15 ng
RT: 7.51 min Scan# 453
Delta R.T. 0.00 min
Lab File: BF090517.D
Acq: 11 Oct 2016 22:13

Tgt Ion: 82 Resp: 1181910

Ion	Ratio	Lower	Upper
82	100		
128	43.4	40.0	60.0
54	45.4	42.6	64.0



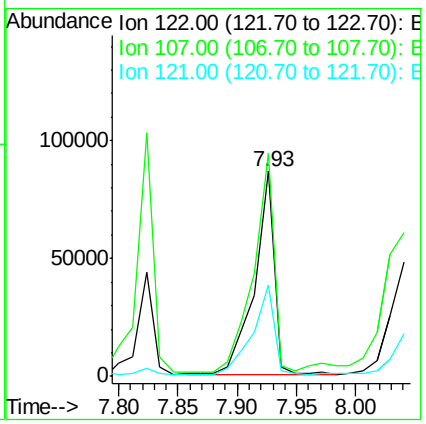


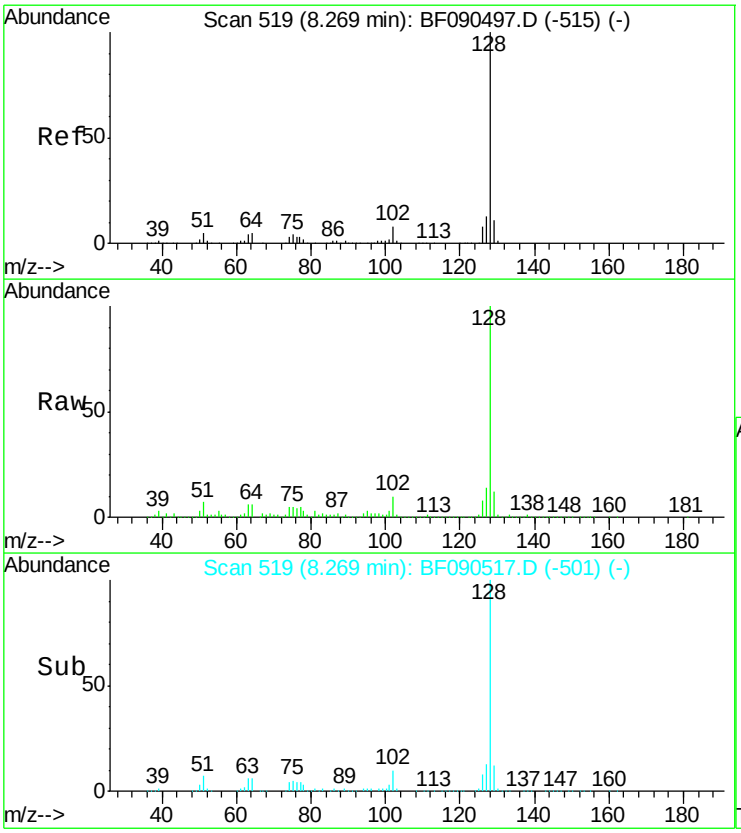
#27
2,4-Dimethylphenol
Concen: 7.67 ng
RT: 7.93 min Scan# 489
Delta R.T. 0.03 min
Lab File: BF090517.D
Acq: 11 Oct 2016 22:13

Instrument :
BNA_F
ClientSampleId :
S8-0620

Tgt Ion:122 Resp: 101758

Ion	Ratio	Lower	Upper
122	100		
107	108.9	88.6	132.8
121	44.4	47.5	71.3#

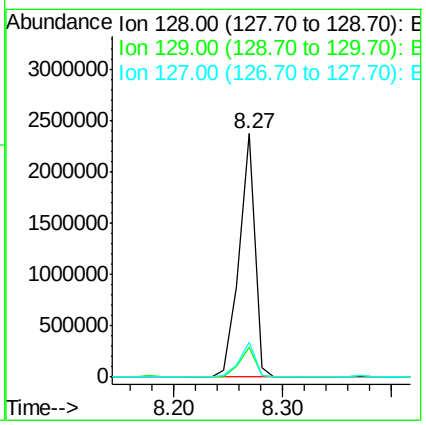


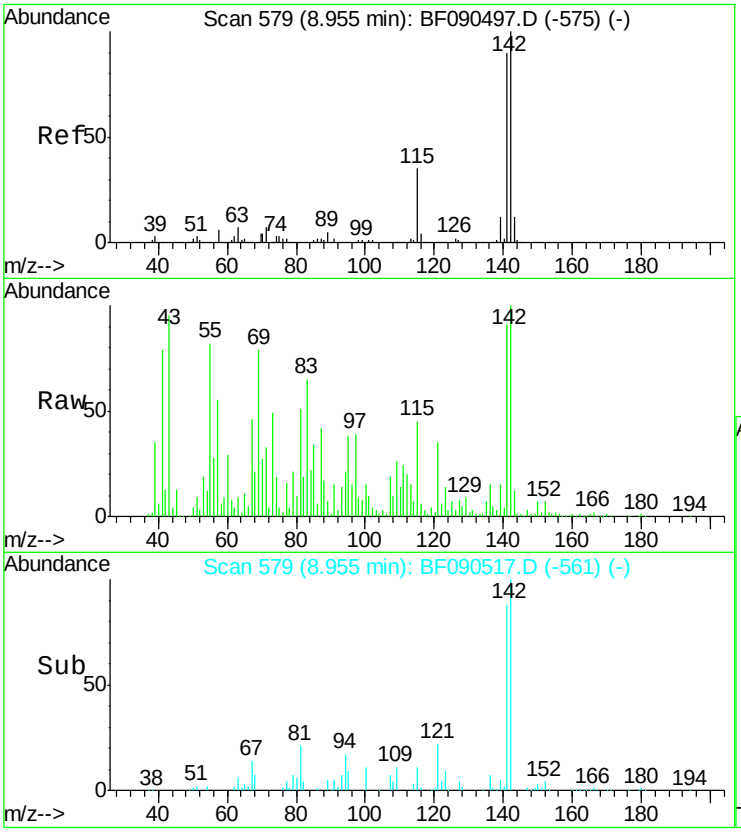


#31
Naphthalene
Concen: 54.46 ng
RT: 8.27 min Scan# 519
Delta R.T. 0.00 min
Lab File: BF090517.D
Acq: 11 Oct 2016 22:13

Tgt Ion:128 Resp: 2345661

Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.7	14.5
127	14.3	11.7	17.5



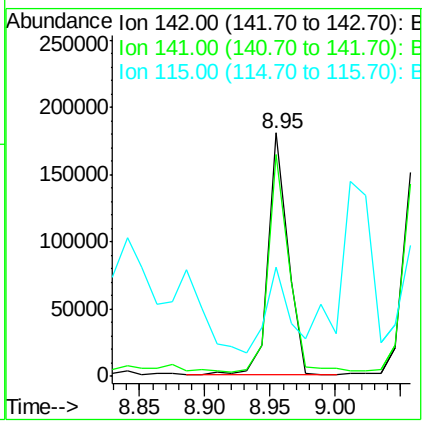


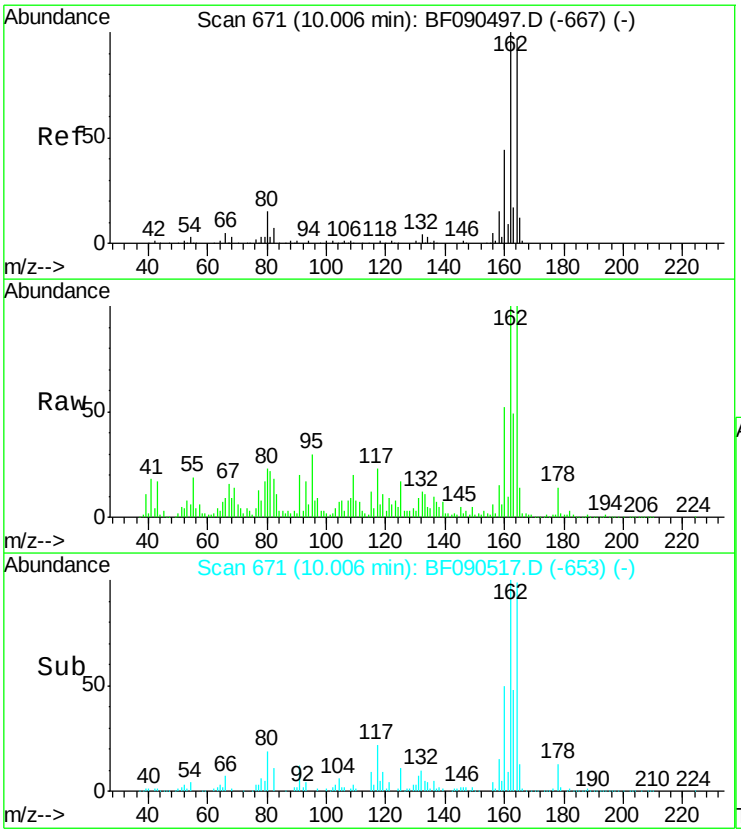
#37
2-Methylnaphthalene
Concen: 6.63 ng
RT: 8.95 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF090517.D
Acq: 11 Oct 2016 22:13

Instrument :
BNA_F
ClientSampleId :
S8-0620

Tgt Ion:142 Resp: 191565

Ion	Ratio	Lower	Upper
142	100		
141	91.1	71.8	107.8
115	44.9	28.8	43.2#

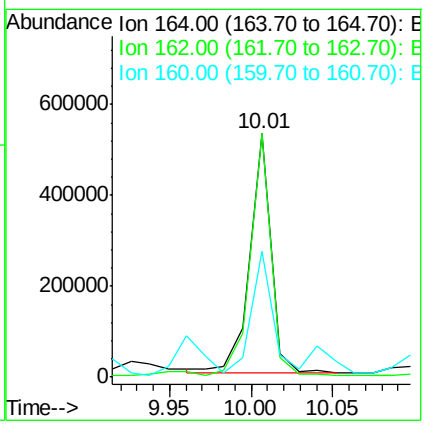


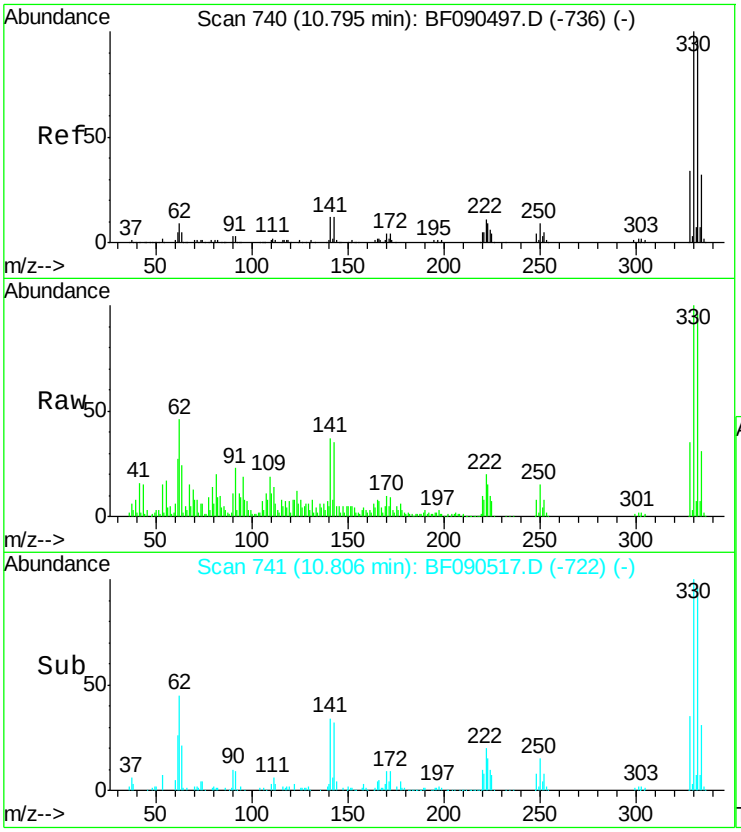


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.01 min Scan# 671
Delta R.T. 0.00 min
Lab File: BF090517.D
Acq: 11 Oct 2016 22:13

Tgt Ion:164 Resp: 475867

Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.1	120.1
160	51.7	36.3	54.5



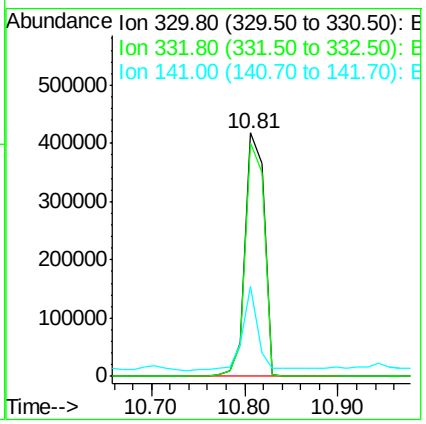


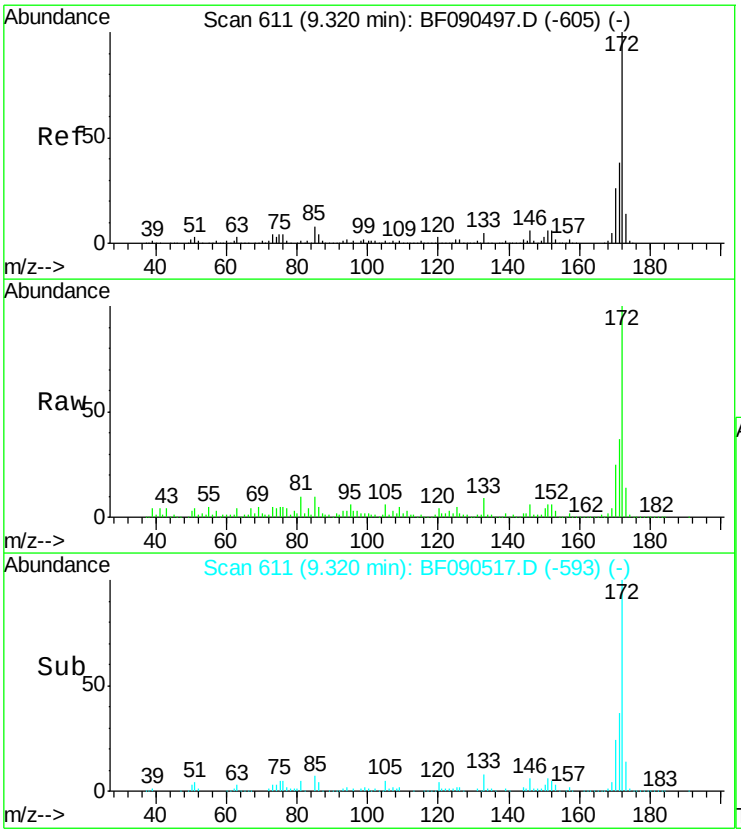
#41
2,4,6-Tribromophenol
Concen: 124.67 ng
RT: 10.81 min Scan# 741
Delta R.T. 0.01 min
Lab File: BF090517.D
Acq: 11 Oct 2016 22:13

Instrument :
BNA_F
ClientSampleId :
S8-0620

Tgt Ion:330 Resp: 588110

Ion	Ratio	Lower	Upper
330	100		
332	96.1	75.4	113.0
141	28.1	26.9	40.3

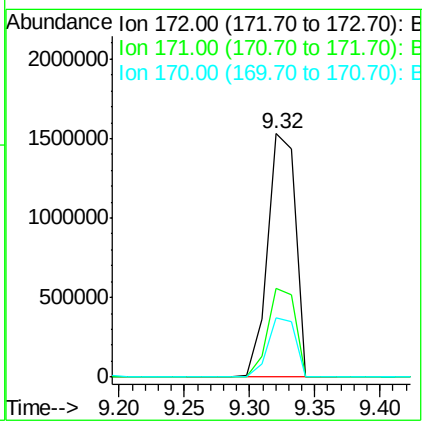


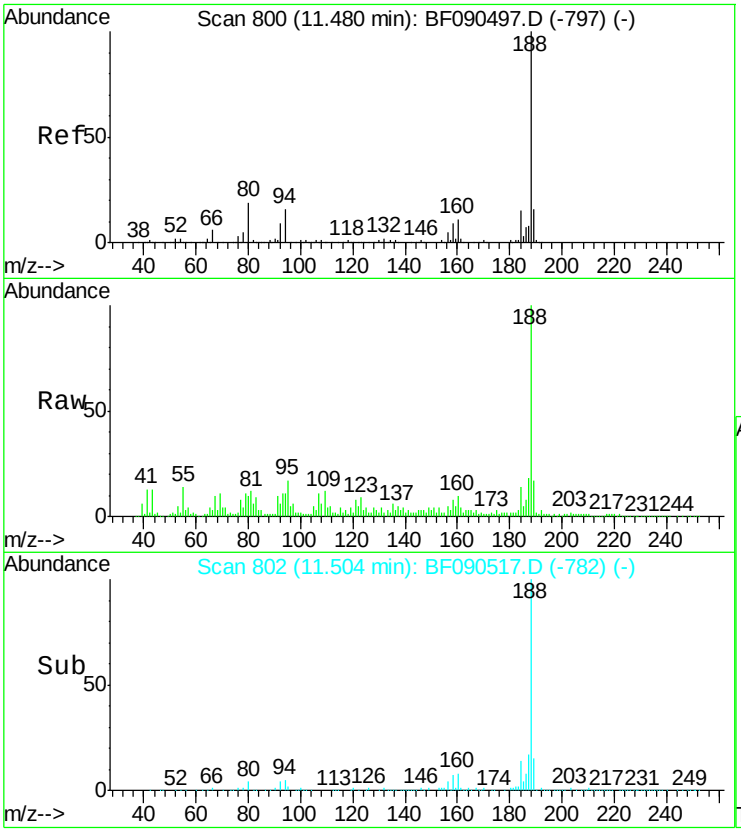


#44
2-Fluorobiphenyl
Concen: 81.12 ng
RT: 9.32 min Scan# 611
Delta R.T. 0.00 min
Lab File: BF090517.D
Acq: 11 Oct 2016 22:13

Tgt Ion:172 Resp: 2297162

Ion	Ratio	Lower	Upper
172	100		
171	36.6	31.8	47.8
170	24.5	21.7	32.5



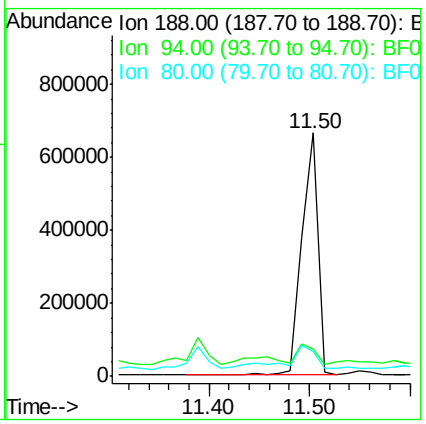


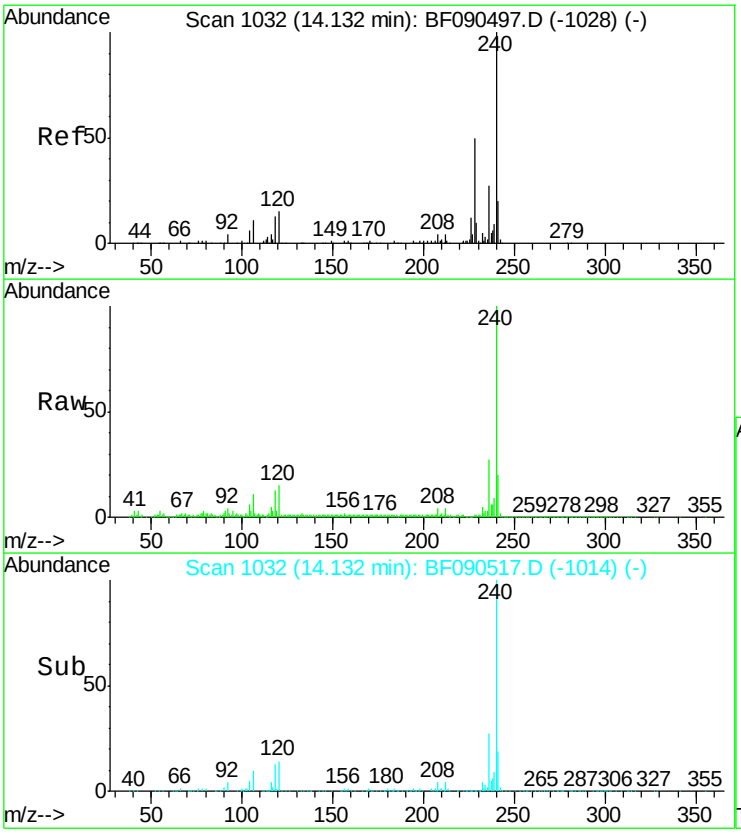
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.50 min Scan# 802
Delta R.T. 0.02 min
Lab File: BF090517.D
Acq: 11 Oct 2016 22:13

Instrument :
BNA_F
ClientSampleId :
S8-0620

Tgt Ion:188 Resp: 733719

Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.2	12.2
80	10.2	8.8	13.2

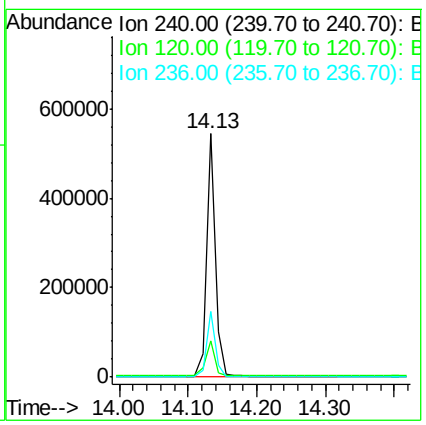


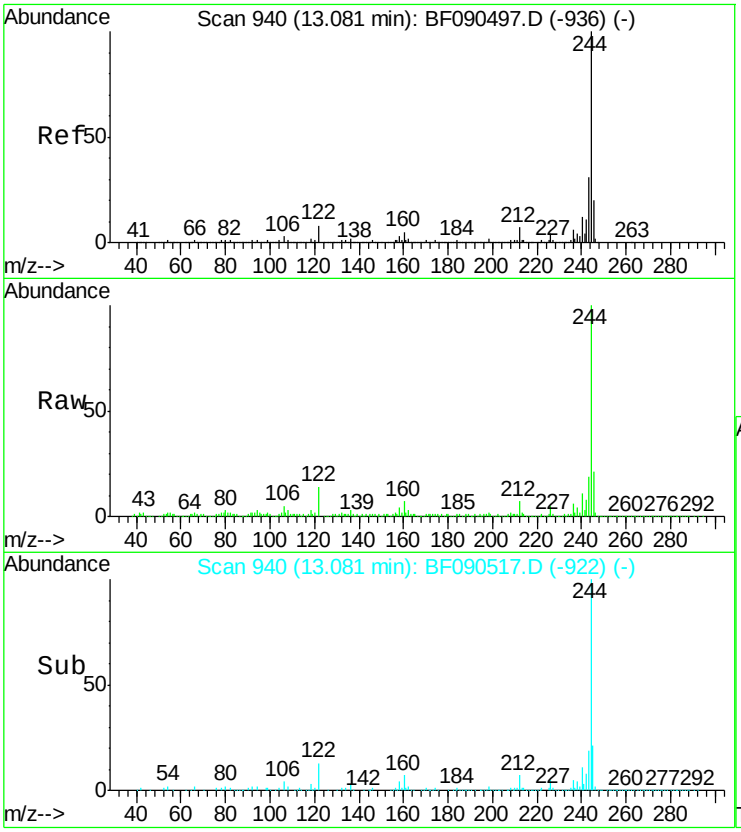


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.13 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF090517.D
Acq: 11 Oct 2016 22:13

Tgt Ion:240 Resp: 486646

Ion	Ratio	Lower	Upper
240	100		
120	14.9	8.6	13.0#
236	26.9	21.6	32.4



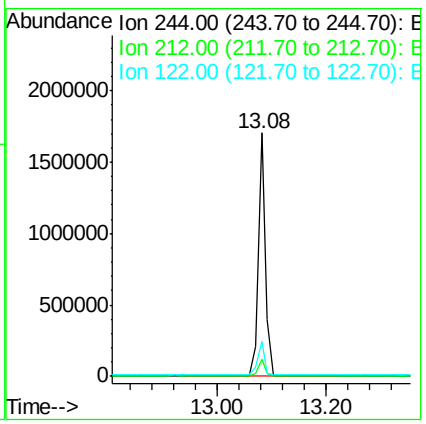


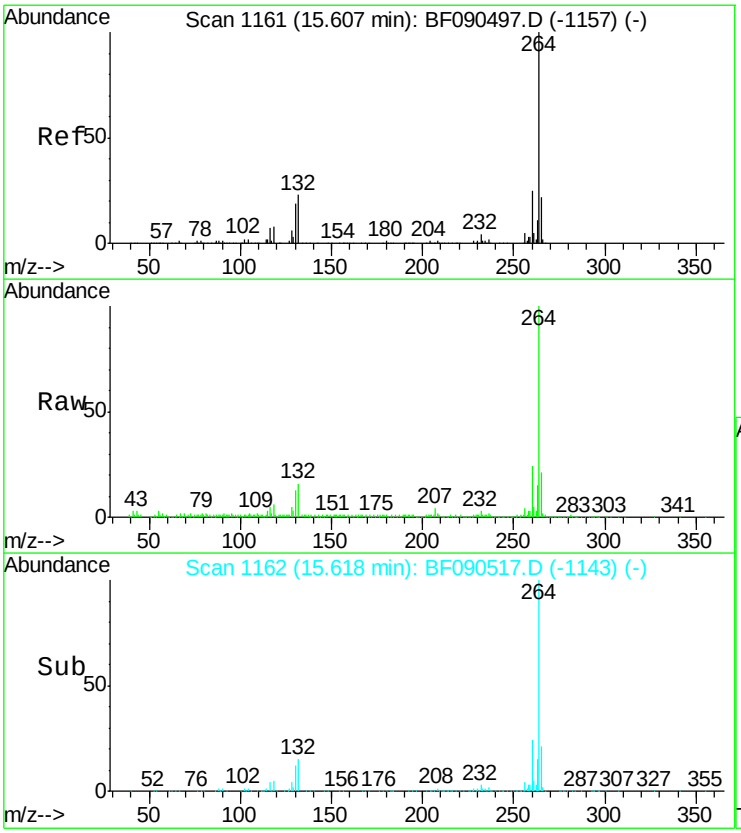
#78
Terphenyl-d14
Concen: 80.10 ng
RT: 13.08 min Scan# 940
Delta R.T. 0.00 min
Lab File: BF090517.D
Acq: 11 Oct 2016 22:13

Instrument :
BNA_F
ClientSampleId :
S8-0620

Tgt Ion:244 Resp: 1594966

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.8	10.2
122	14.2	13.3	19.9





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.62 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BF090517.D
Acq: 11 Oct 2016 22:13

Tgt Ion:264 Resp: 407125

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.3	28.9
265	21.4	17.4	26.0