Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
Data File : BF086802.D
Acq On : 8 May 2016 4:46
Operator : UM/SJ
Sample : H2866-01 50X
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR9918-A

Quant Time: May 09 02:14:38 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 04 15:12:53 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	169885	40.00	ng	-0.03
21) Naphthalene-d8	8.01	136	181849	40.00	ng	-0.02
38) Acenaphthene-d10	9.73	164	321259	40.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	587655	40.00	ng	-0.03
75) Chrysene-d12	13.85	240	401794	40.00	ng	-0.03
86) Perylene-d12	15.23	264	329838	40.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.32	99	1463	0.11	ng	-0.06
23) Nitrobenzene-d5	7.24	82	22997	6.50	ng	-0.07
41) 2,4,6-Tribromophenol	10.53	330	643	0.20	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	5224	0.27	ng	-0.03
78) Terphenyl-d14	12.80	244	4851	0.24	ng	-0.05
Target Compounds						Qvalue
76) Benzidine	12.57	184	104355	15.17	ng	# 95

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

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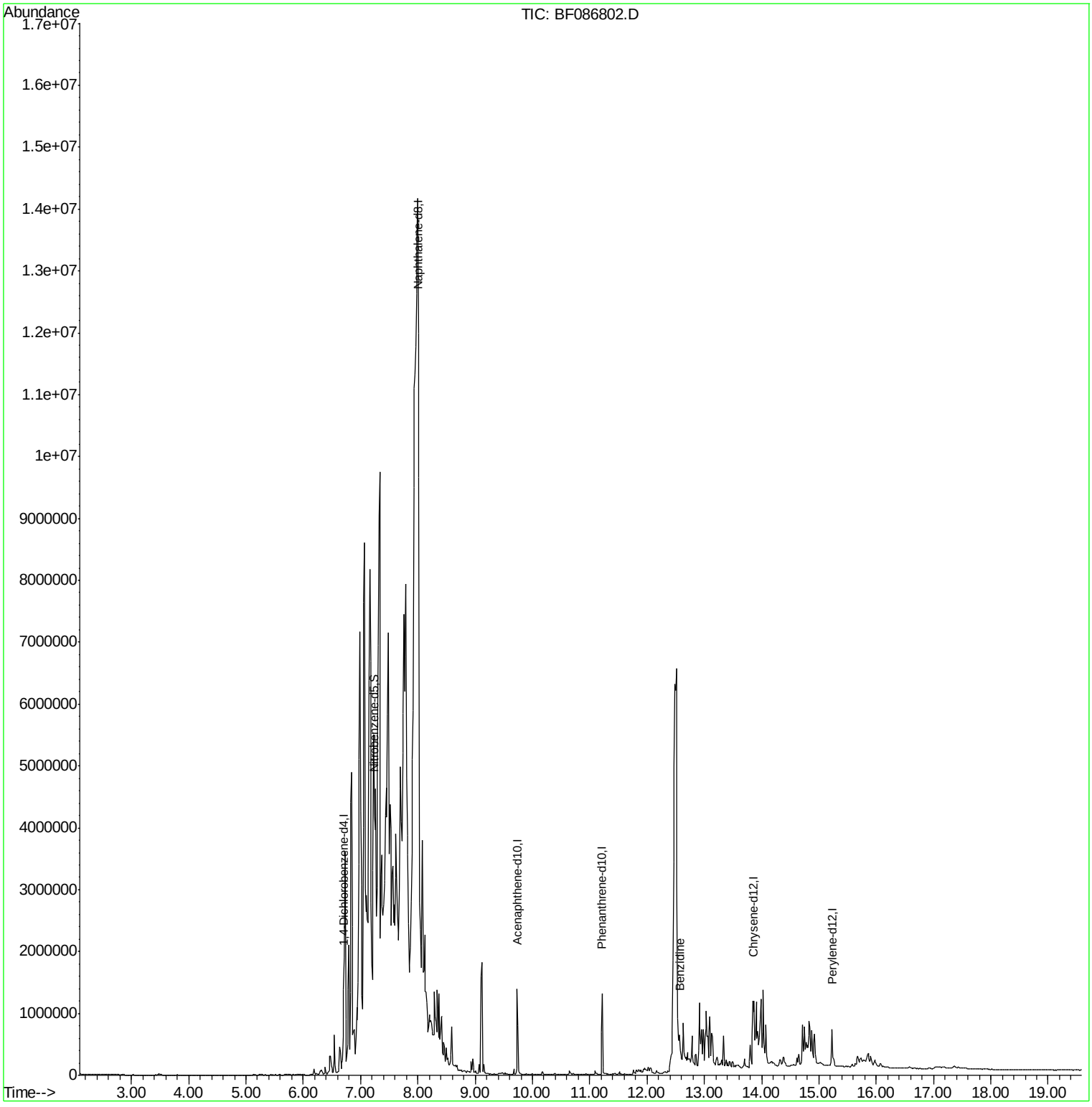
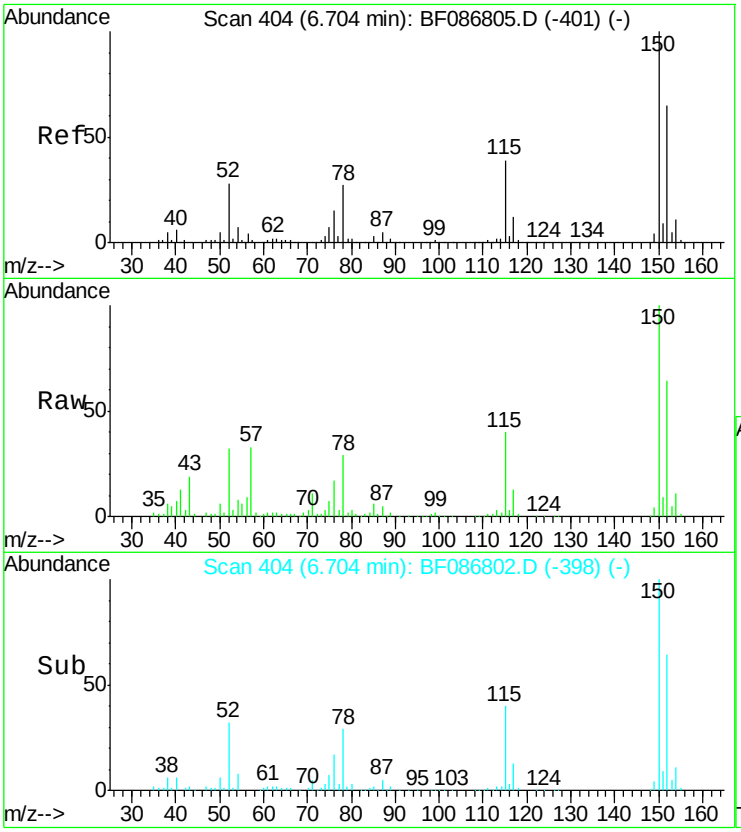


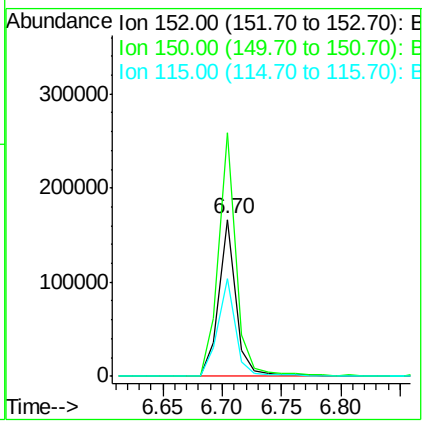


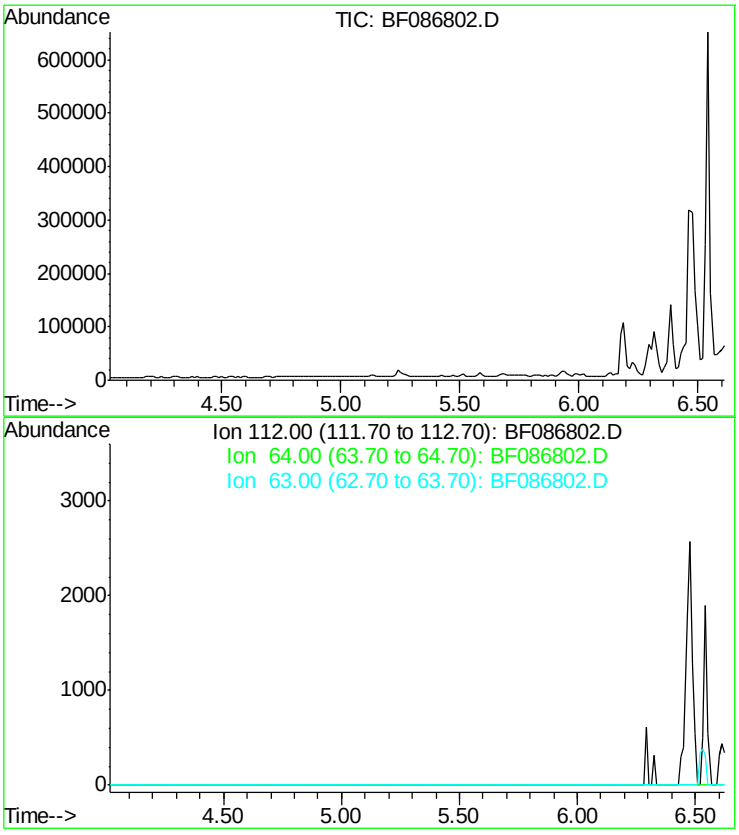
#1
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.03 min
Lab File: BF086802.D
Acq: 8 May 2016 4:46

Instrument :
BNA_F
ClientSampleId :
LAR9918-A

Tgt Ion:152 Resp: 169885

Ion	Ratio	Lower	Upper
152	100		
150	155.1	125.8	188.6
115	62.5	51.5	77.3



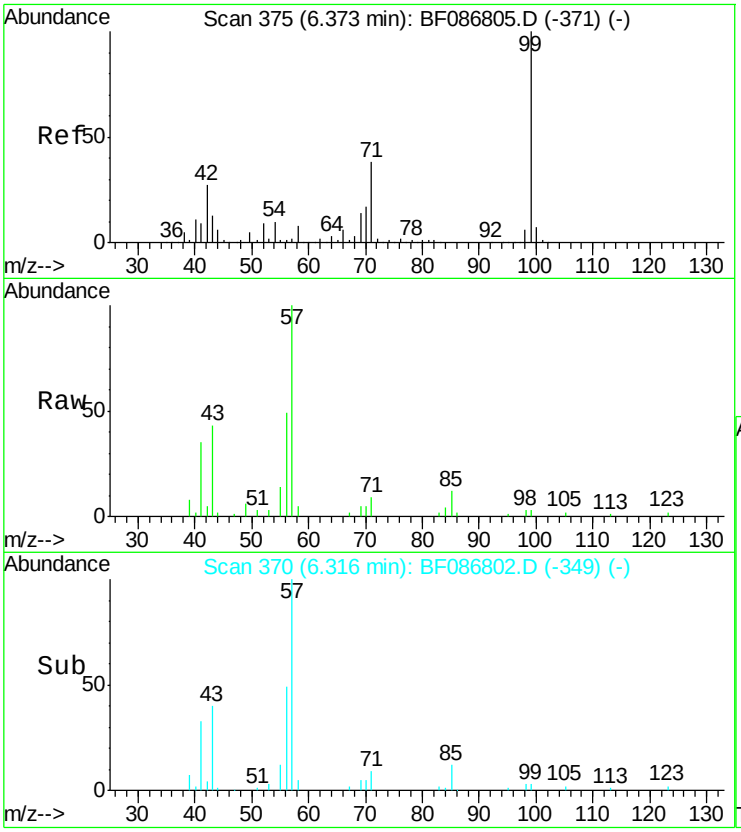


#5
2-Fluorophenol
Concen: 0.00 ng
Expected RT: 5.32 min

Lab File: BF086802.D
Acq: 8 May 2016 4:46

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	65.1
63	32.1

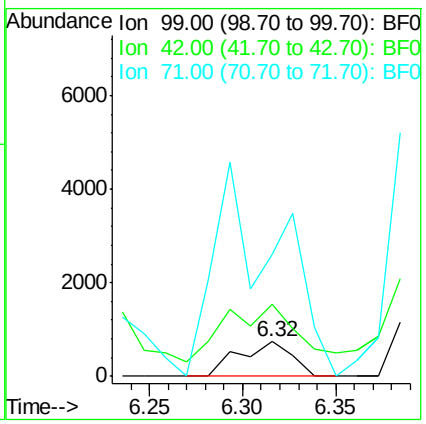


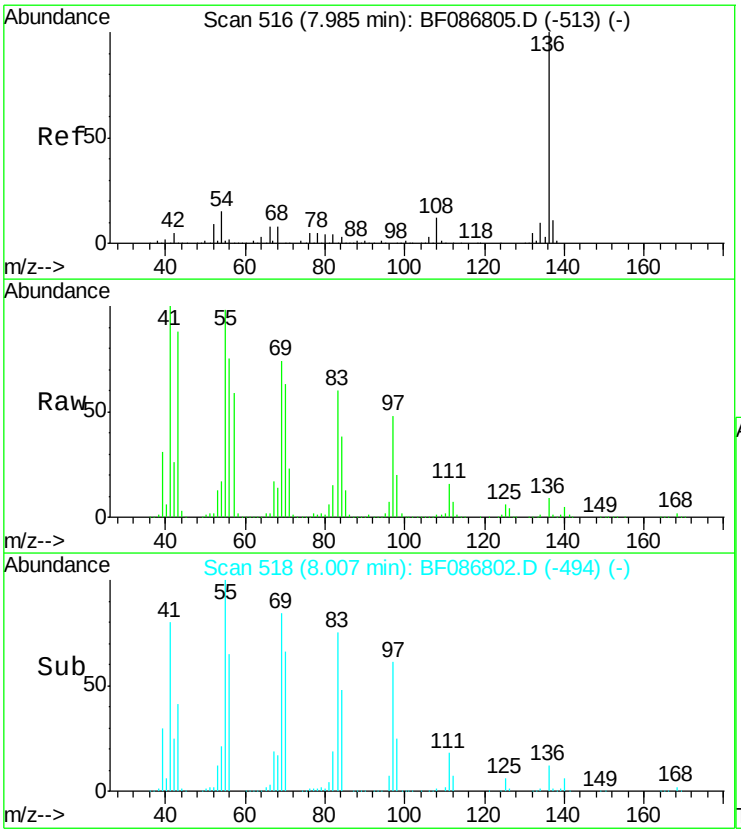
#7
Phenol-d6
Concen: 0.11 ng
RT: 6.32 min Scan# 370
Delta R.T. -0.06 min
Lab File: BF086802.D
Acq: 8 May 2016 4:46

Instrument :
BNA_F
ClientSampleId :
LAR9918-A

Tgt Ion: 99 Resp: 1463

Ion	Ratio	Lower	Upper
99	100		
42	206.1	13.6	20.4#
71	350.4	24.6	36.8#

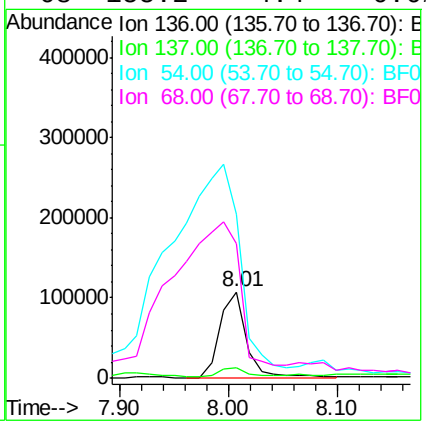


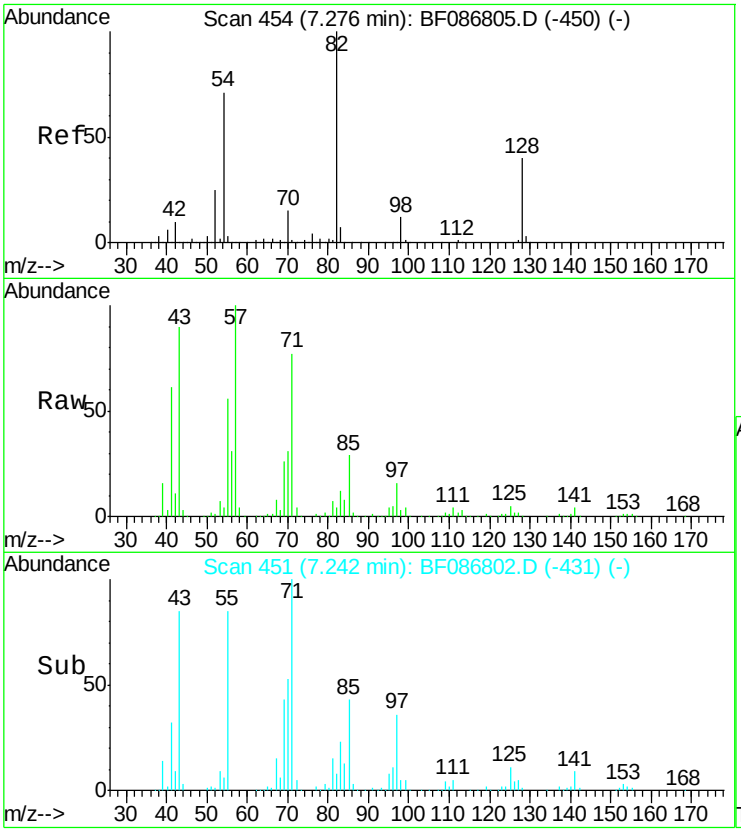


#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.02 min
Lab File: BF086802.D
Acq: 8 May 2016 4:46

Tgt Ion:136 Resp: 181849

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	190.2	5.0	7.4#
68	155.2	4.4	6.6#



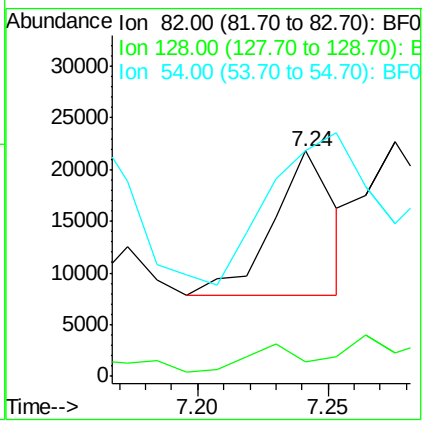


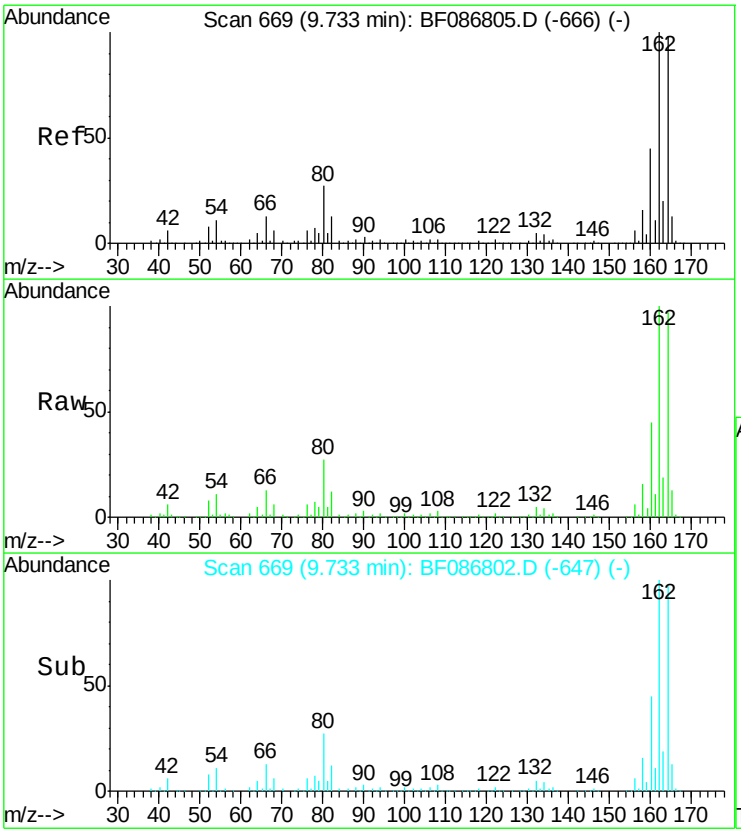
#23
Nitrobenzene-d5
Concen: 6.50 ng
RT: 7.24 min Scan# 451
Delta R.T. -0.07 min
Lab File: BF086802.D
Acq: 8 May 2016 4:46

Instrument :
BNA_F
ClientSampleId :
LAR9918-A

Tgt Ion: 82 Resp: 22997

Ion	Ratio	Lower	Upper
82	100		
128	6.7	40.6	61.0#
54	99.9	38.1	57.1#

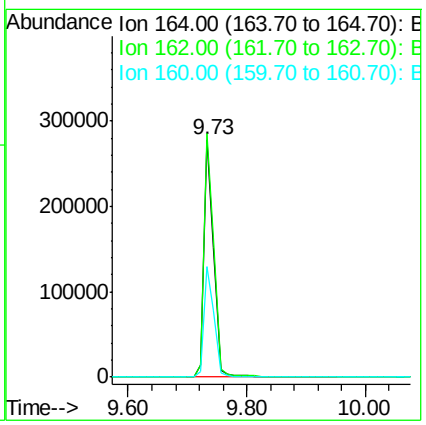


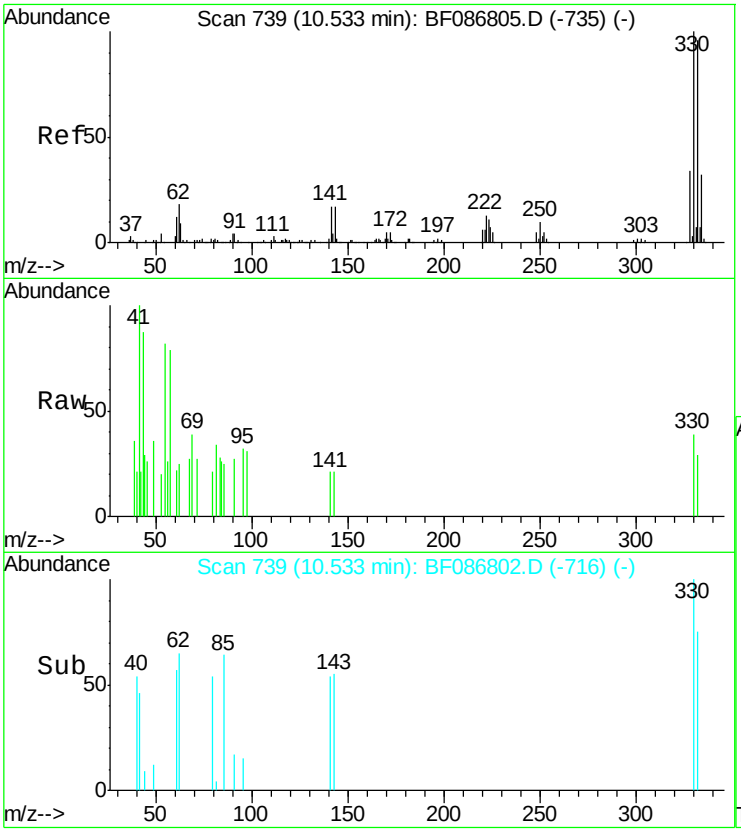


#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.05 min
Lab File: BF086802.D
Acq: 8 May 2016 4:46

Tgt Ion:164 Resp: 321259

Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.8	124.2
160	46.3	36.9	55.3



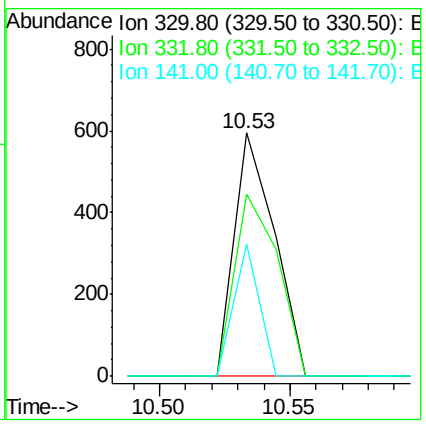


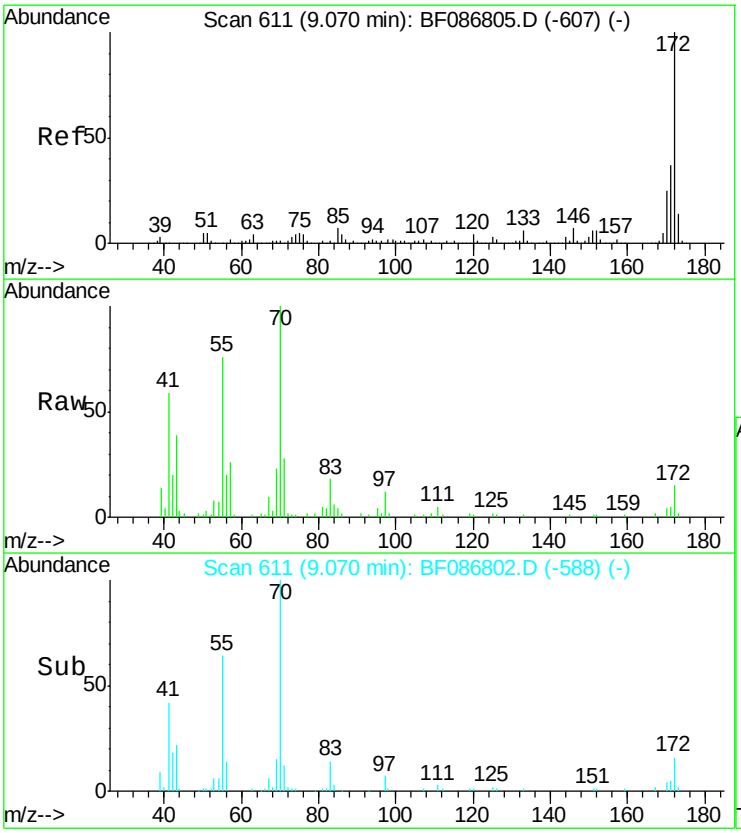
#41
2,4,6-Tribromophenol
Concen: 0.20 ng
RT: 10.53 min Scan# 739
Delta R.T. -0.03 min
Lab File: BF086802.D
Acq: 8 May 2016 4:46

Instrument :
BNA_F
ClientSampleId :
LAR9918-A

Tgt Ion:330 Resp: 643

Ion	Ratio	Lower	Upper
330	100		
332	80.4	79.0	118.4
141	34.5	31.2	46.8

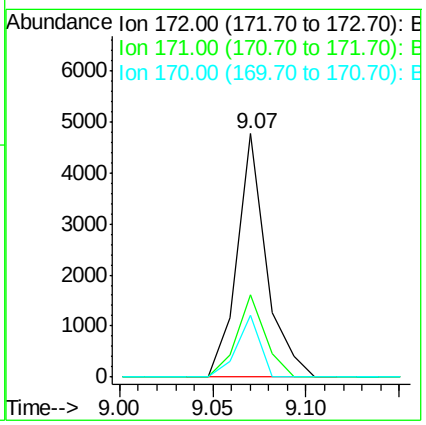


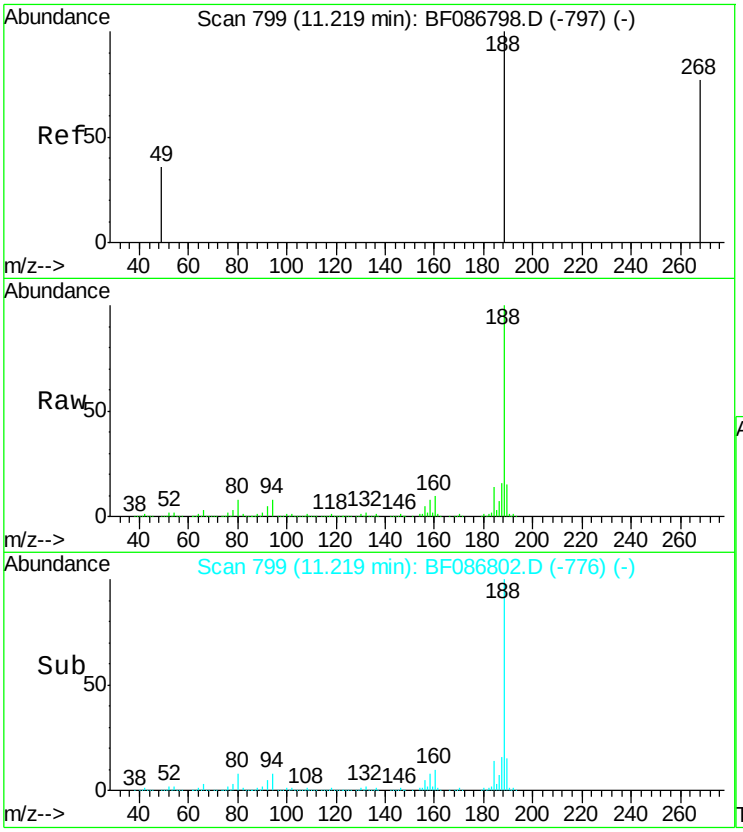


#44
2-Fluorobiphenyl
Concen: 0.27 ng
RT: 9.07 min Scan# 611
Delta R.T. -0.03 min
Lab File: BF086802.D
Acq: 8 May 2016 4:46

Tgt Ion:172 Resp: 5224

Ion	Ratio	Lower	Upper
172	100		
171	33.7	29.0	43.6
170	25.6	19.8	29.8



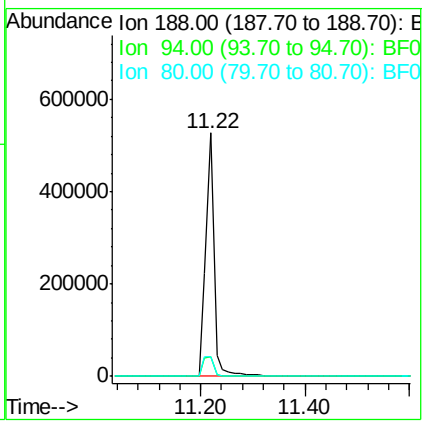


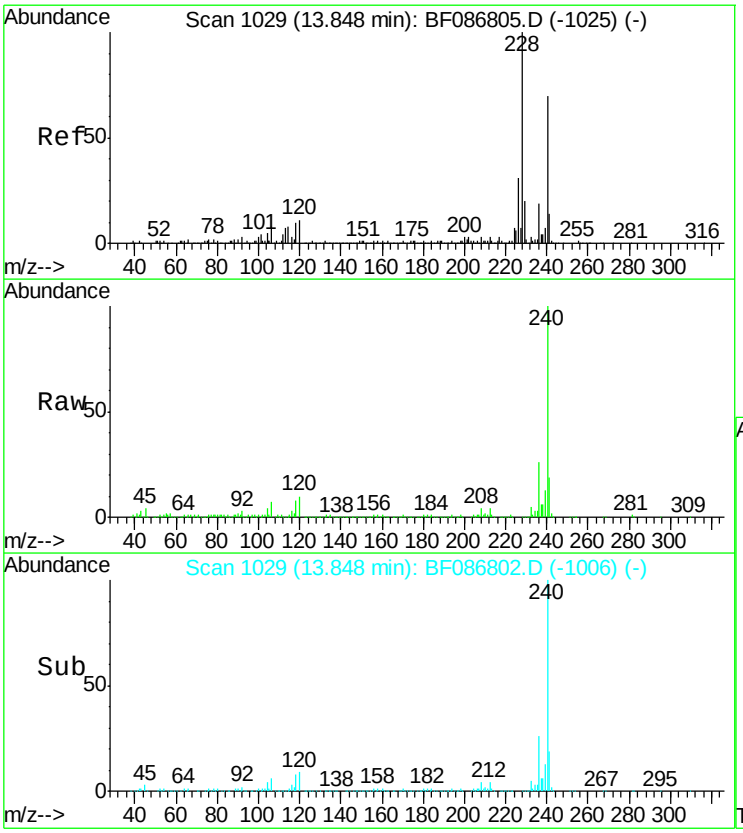
#63
Phenanthrene-d10
Concen: 40.00 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.03 min
Lab File: BF086802.D
Acq: 8 May 2016 4:46

Instrument :
BNA_F
ClientSampleId :
LAR9918-A

Tgt Ion:188 Resp: 587655

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.8	10.2
80	8.3	7.1	10.7

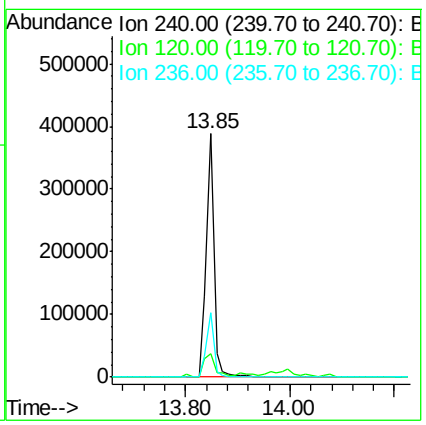


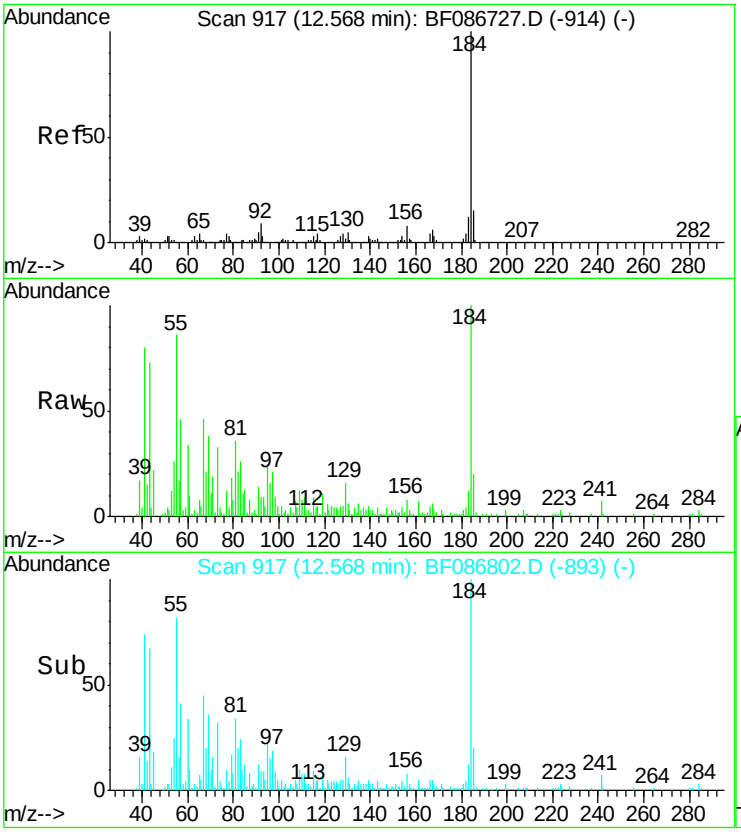


#75
Chrysene-d12
Concen: 40.00 ng
RT: 13.85 min Scan# 1029
Delta R.T. -0.03 min
Lab File: BF086802.D
Acq: 8 May 2016 4:46

Tgt Ion:240 Resp: 401794

Ion	Ratio	Lower	Upper
240	100		
120	9.6	11.2	16.8#
236	26.5	21.2	31.8



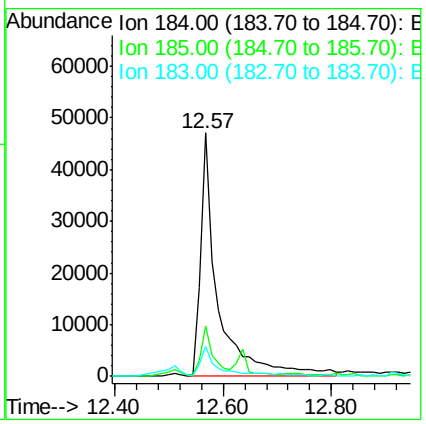


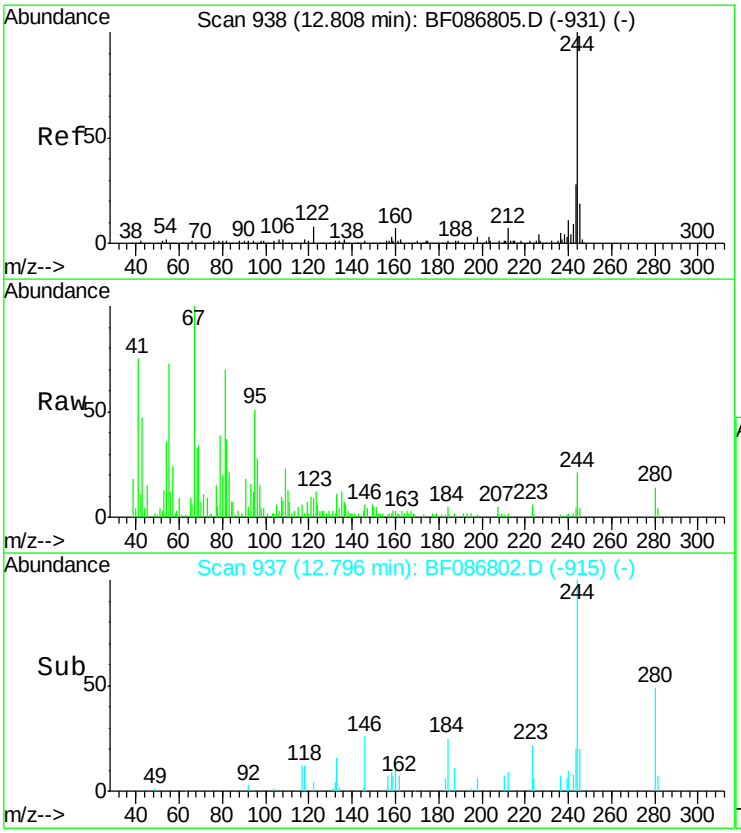
#76
Benzidine
Concen: 15.17 ng
RT: 12.57 min Scan# 917
Delta R.T. -0.02 min
Lab File: BF086802.D
Acq: 8 May 2016 4:46

Instrument :
BNA_F
ClientSampleId :
LAR9918-A

Tgt Ion:184 Resp: 104355

Ion	Ratio	Lower	Upper
184	100		
185	20.5	13.6	20.4#
183	12.1	9.8	14.6

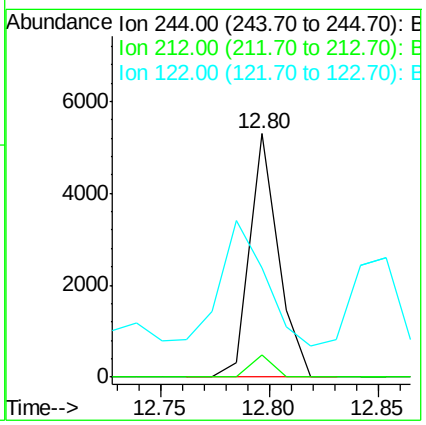


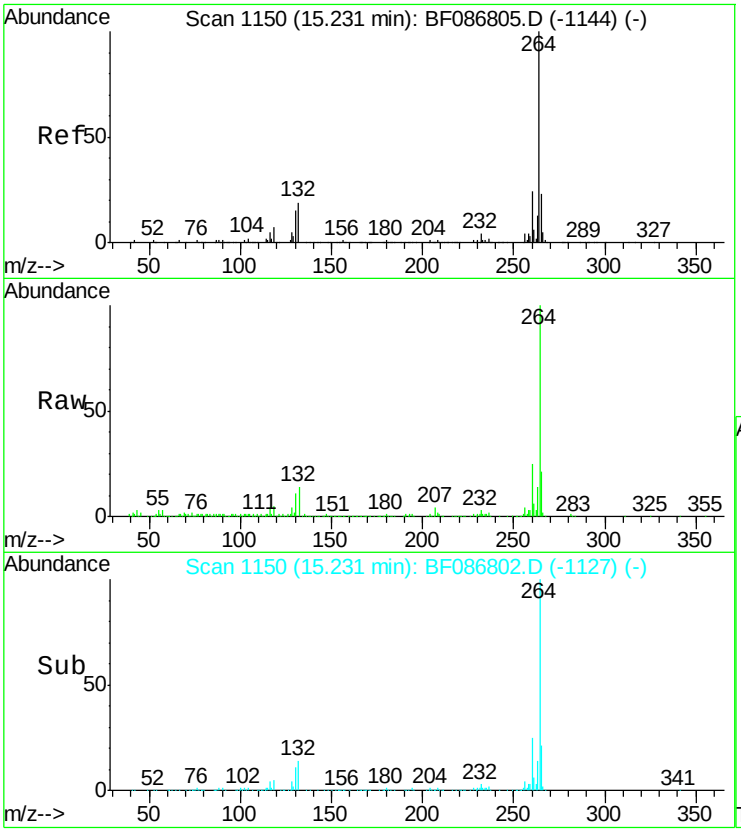


#78
Terphenyl-d14
Concen: 0.24 ng
RT: 12.80 min Scan# 937
Delta R.T. -0.05 min
Lab File: BF086802.D
Acq: 8 May 2016 4:46

Tgt Ion:244 Resp: 4851

Ion	Ratio	Lower	Upper
244	100		
212	9.0	6.2	9.2
122	44.7	12.0	18.0#





#86
Perylene-d12
Concen: 40.00 ng
RT: 15.23 min Scan# 1150
Delta R.T. -0.03 min
Lab File: BF086802.D
Acq: 8 May 2016 4:46

Instrument :
BNA_F
ClientSampleId :
LAR9918-A

Tgt Ion:264 Resp: 329838

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	20.8	17.3	25.9