Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012116\
Data File : BF084578.D
Acq On : 21 Jan 2016 12:03
Operator : SJ/UM
Sample : H1159-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SULFURCAKE

Quant Time: Jan 22 00:38:44 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	239849	20.00	ng		-0.07
21) Naphthalene-d8	8.04	136	959743	20.00	ng		-0.08
38) Acenaphthene-d10	9.79	164	475036	20.00	ng		-0.08
63) Phenanthrene-d10	11.28	188	864009	20.00	ng		-0.08
75) Chrysene-d12	13.92	240	800629	20.00	ng		-0.08
86) Perylene-d12	15.31	264	589257	20.00	ng		-0.10
System Monitoring Compounds							
5) 2-Fluorophenol	5.38	112	1651180	111.35	ng		-0.06
7) Phenol-d6	6.41	99	1912216	102.68	ng		-0.07
23) Nitrobenzene-d5	7.33	82	1633286	94.71	ng		-0.07
41) 2,4,6-Tribromophenol	10.59	330	670656	139.84	ng		-0.08
44) 2-Fluorobiphenyl	9.13	172	2630812	98.42	ng		-0.07
78) Terphenyl-d14	12.88	244	2740232	76.40	ng		-0.07
Target Compounds							Qvalue
31) Naphthalene	8.06	128	367916	8.45	ng		98
32) Benzoic acid	7.78	122	5474	6.71	ng	#	81
37) 2-Methylnaphthalene	8.76	142	70247	2.25	ng		94
51) Acenaphthene	9.82	154	77432	2.63	ng		97
70) Phenanthrene	11.30	178	123064	2.72	ng		99

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

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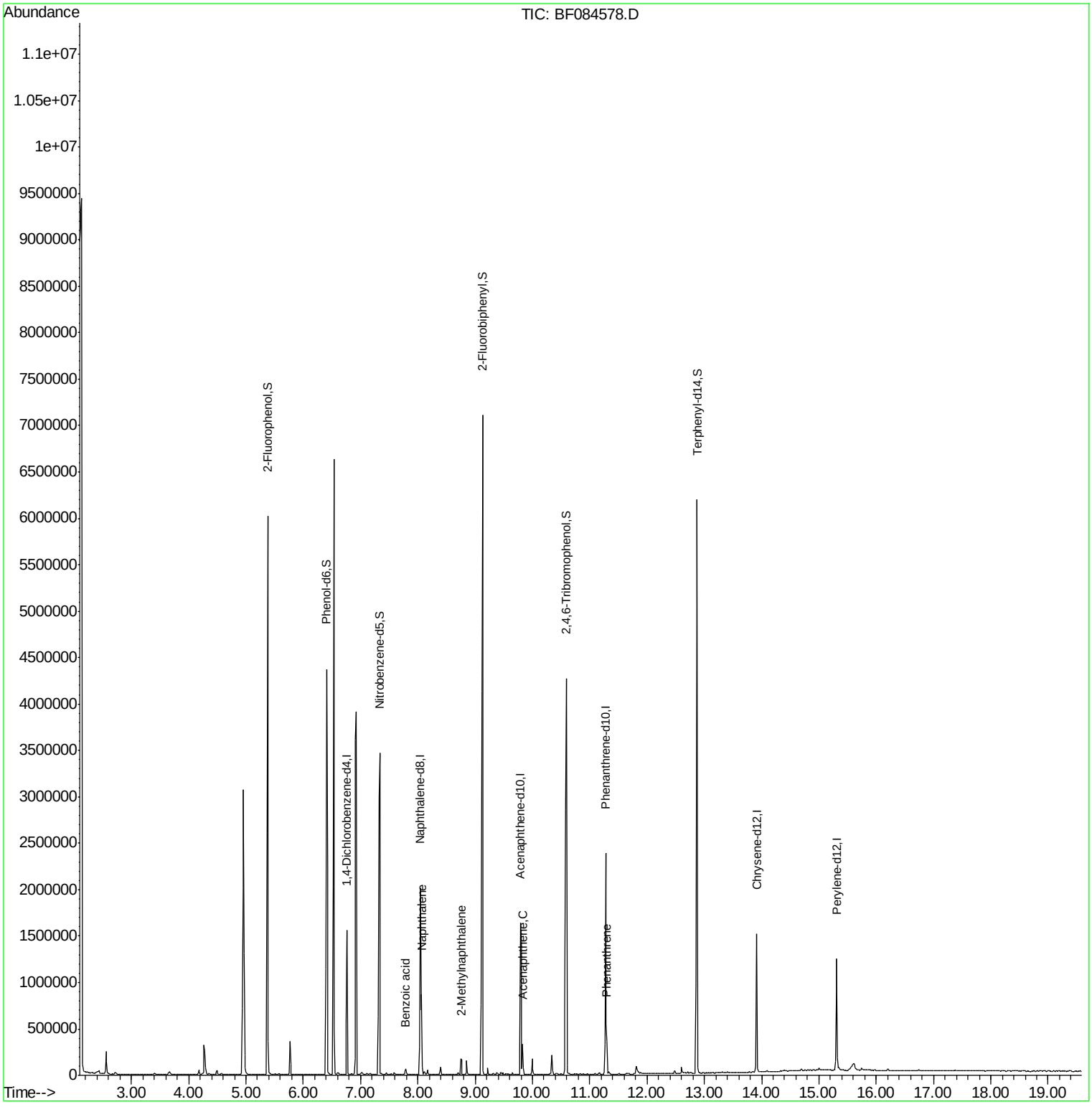
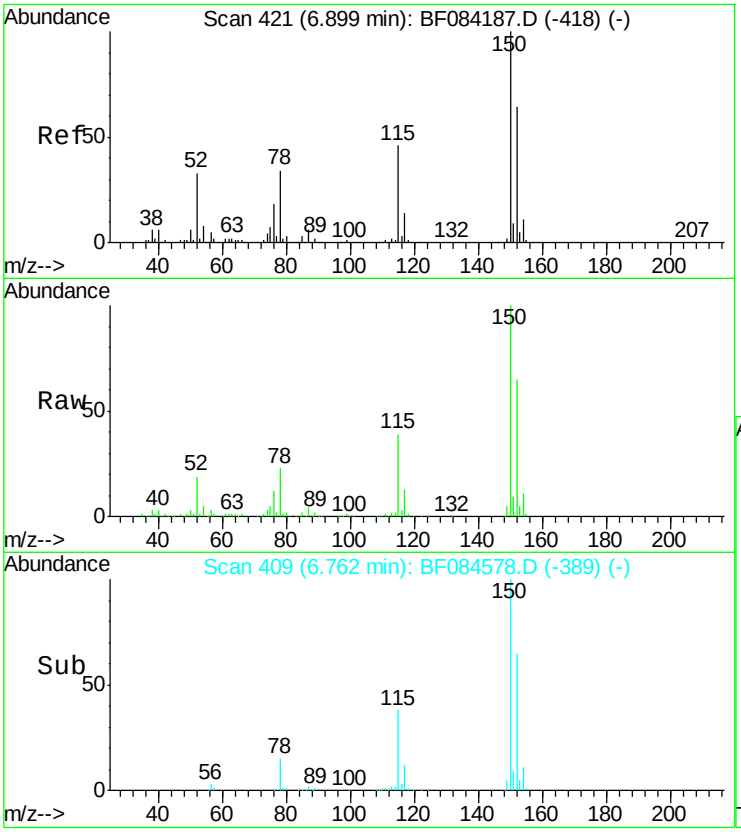


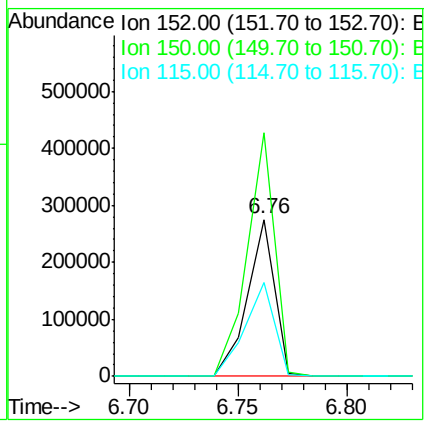


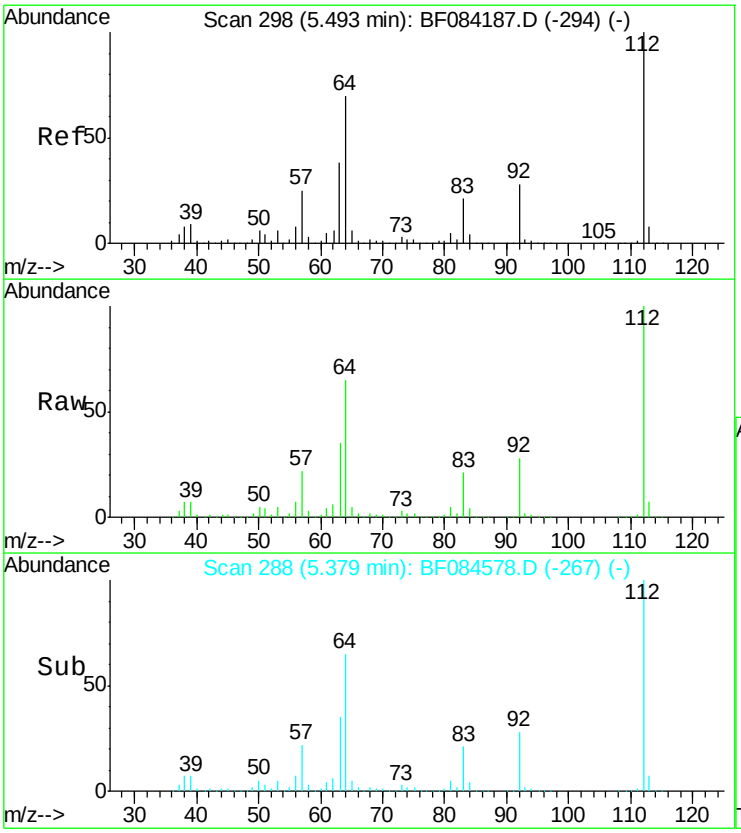
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 409
Delta R.T. -0.07 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Instrument :
BNA_F
ClientSampleId :
SULFURCAKE

Tgt Ion:152 Resp: 239849

Ion	Ratio	Lower	Upper
152	100		
150	155.0	123.0	184.4
115	60.1	51.4	77.2

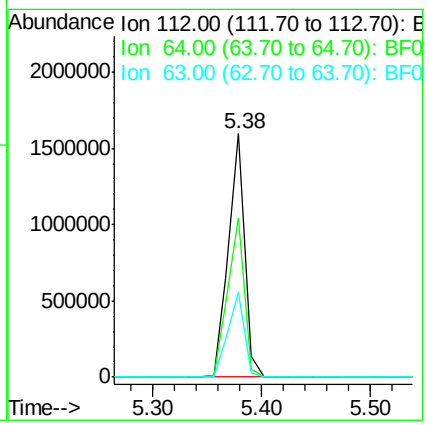


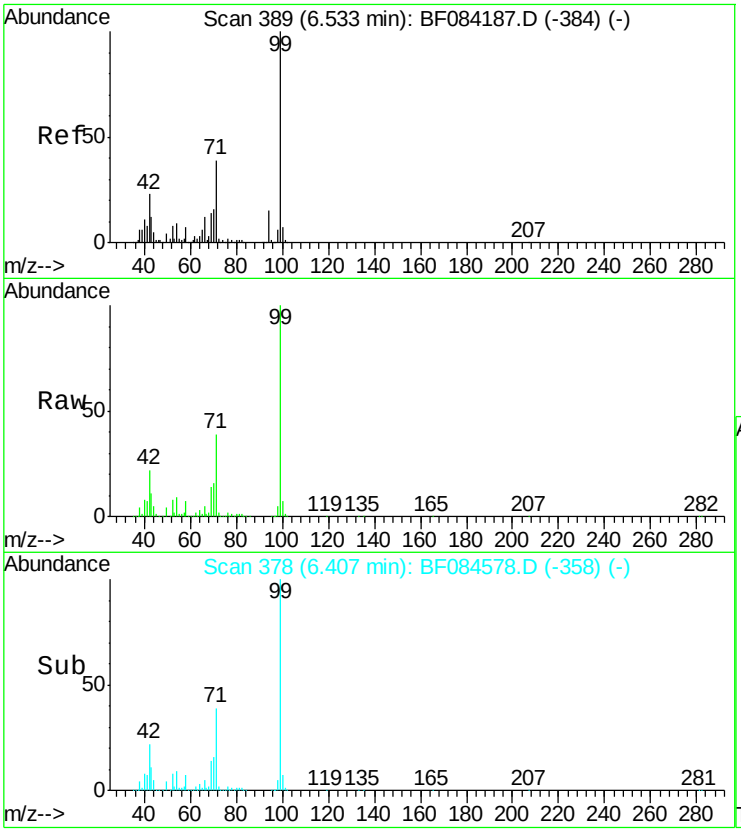


#5
2-Fluorophenol
Concen: 111.35 ng
RT: 5.38 min Scan# 288
Delta R.T. -0.06 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Tgt Ion:112 Resp: 1651180

Ion	Ratio	Lower	Upper
112	100		
64	65.5	36.6	55.0#
63	34.9	19.4	29.0#



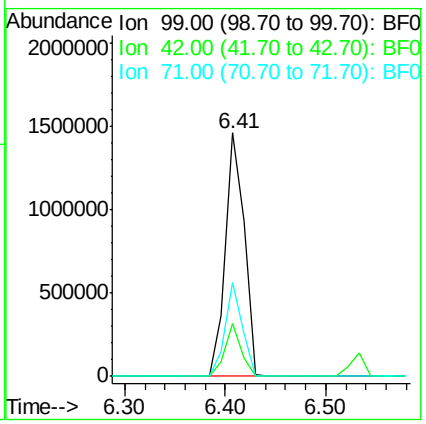


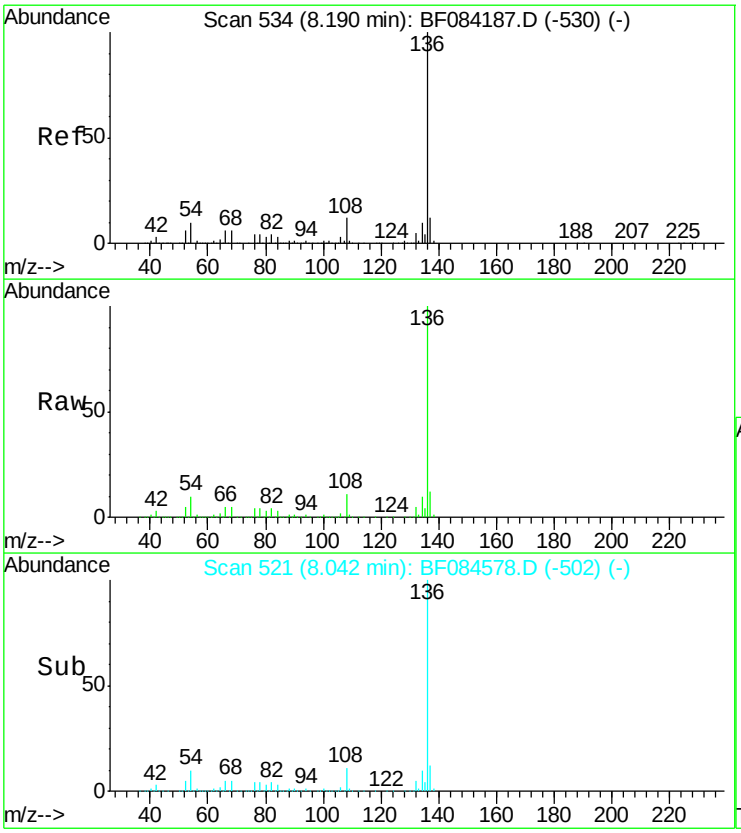
#7
Phenol-d6
Concen: 102.68 ng
RT: 6.41 min Scan# 378
Delta R.T. -0.07 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Instrument :
BNA_F
ClientSampleId :
SULFURCAKE

Tgt Ion: 99 Resp: 1912216

Ion	Ratio	Lower	Upper
99	100		
42	21.5	12.8	19.2#
71	38.8	30.9	46.3

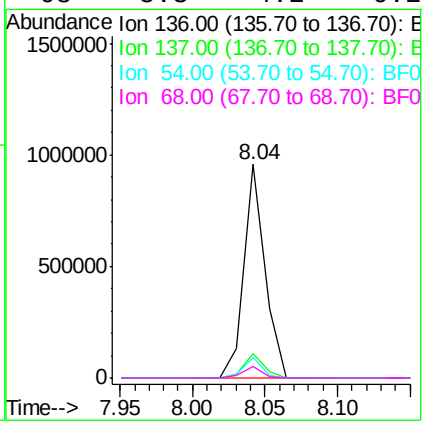


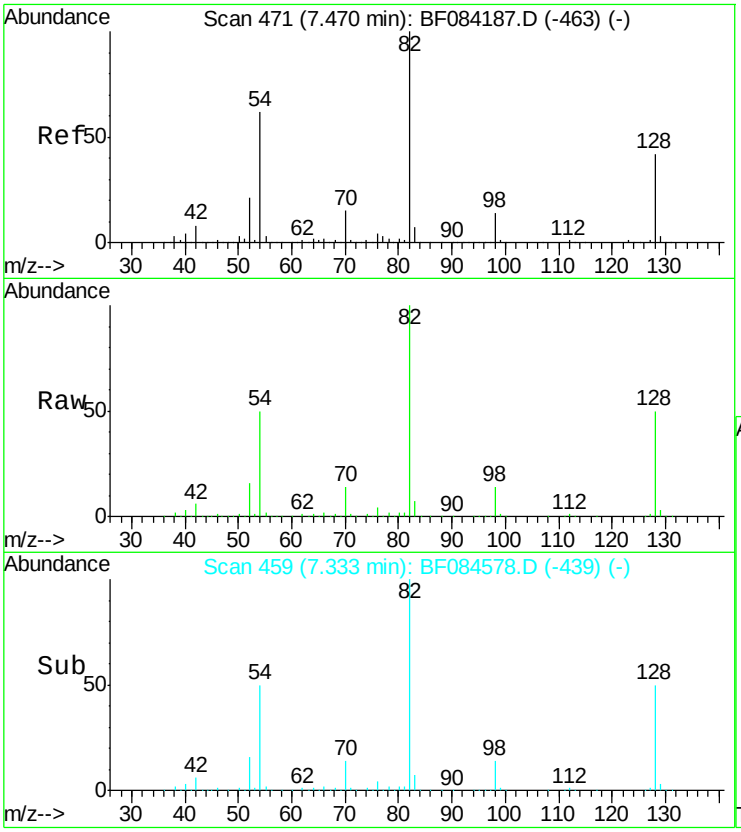


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.08 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Tgt Ion:136 Resp: 959743

Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.7	13.1
54	9.8	5.8	8.8#
68	5.3	4.2	6.2



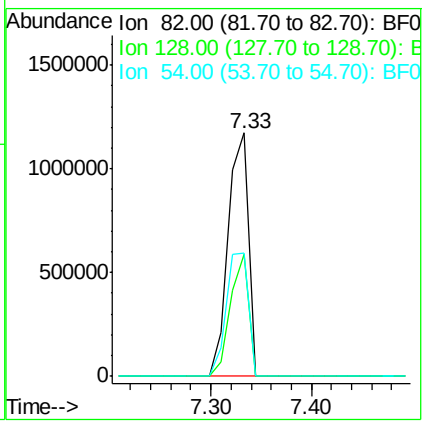


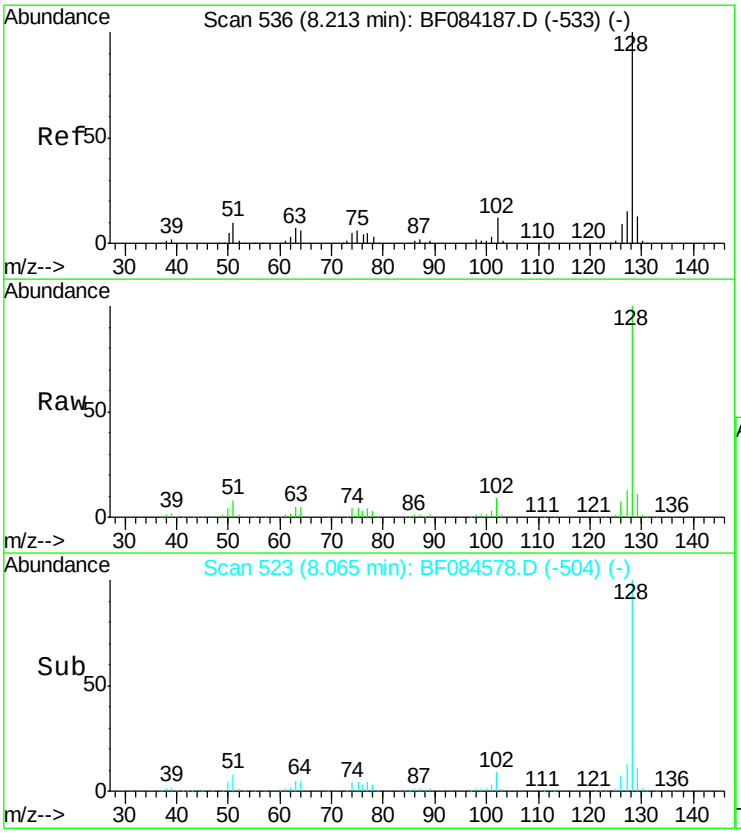
#23
Nitrobenzene-d5
Concen: 94.71 ng
RT: 7.33 min Scan# 459
Delta R.T. -0.07 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Instrument :
BNA_F
ClientSampleId :
SULFURCAKE

Tgt Ion: 82 Resp: 1633286

Ion	Ratio	Lower	Upper
82	100		
128	50.0	34.6	51.8
54	50.4	38.4	57.6

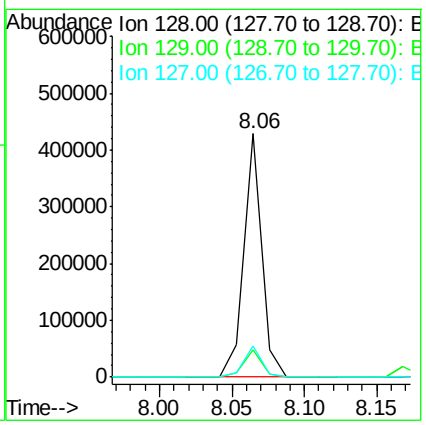


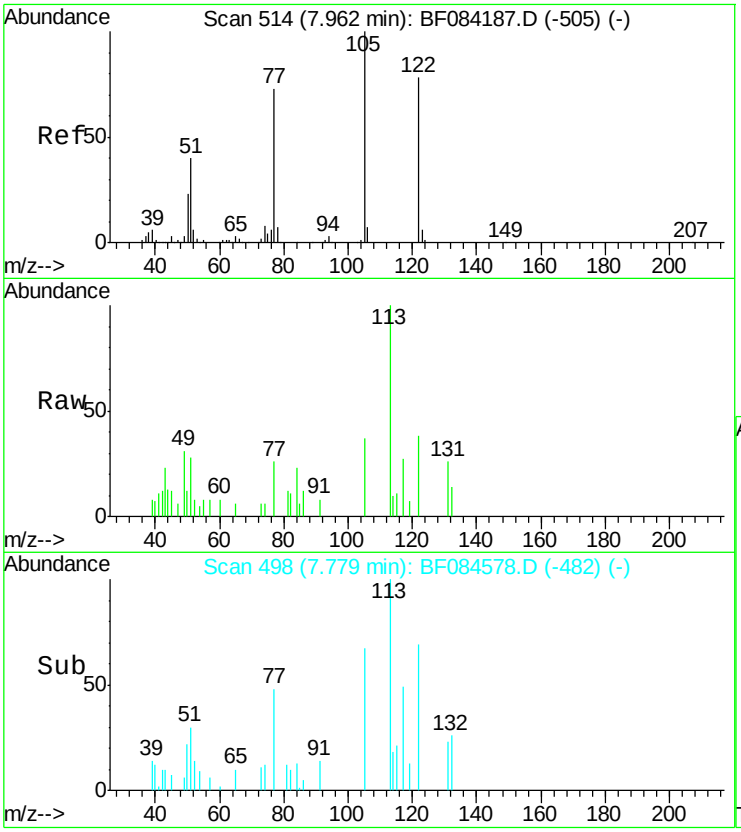


#31
Naphthalene
Concen: 8.45 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.08 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Tgt Ion:128 Resp: 367916

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.1	13.7
127	12.7	11.1	16.7



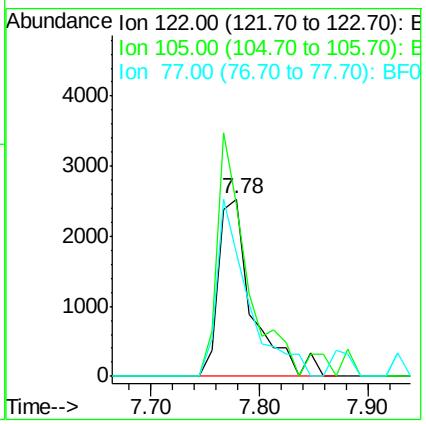


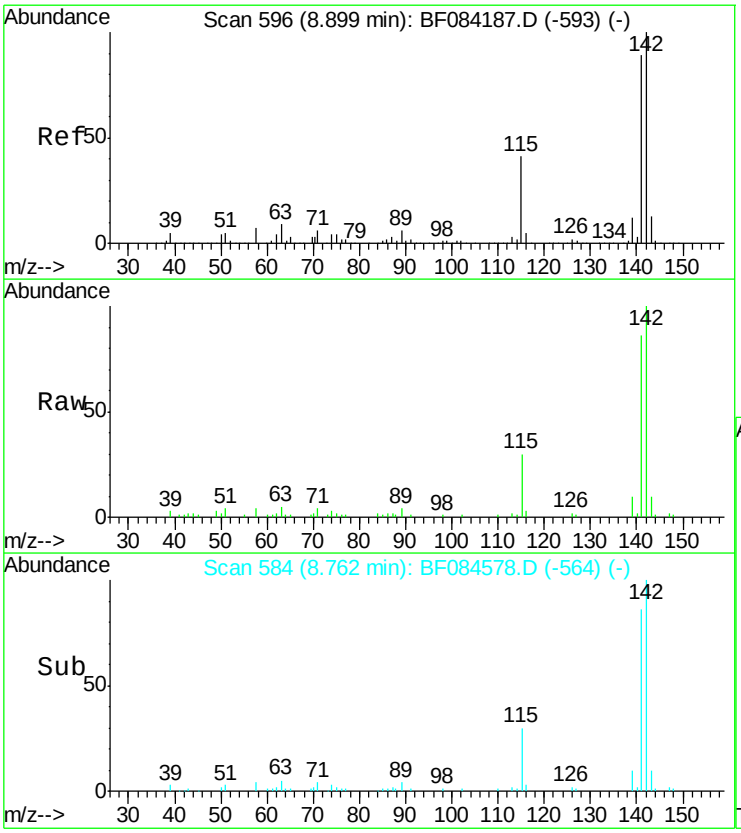
#32
Benzoic acid
Concen: 6.71 ng
RT: 7.78 min Scan# 498
Delta R.T. -0.11 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Instrument :
BNA_F
ClientSampleId :
SULFURCAKE

Tgt Ion:122 Resp: 5474

Ion	Ratio	Lower	Upper
122	100		
105	96.6	100.3	140.3#
77	69.5	63.5	103.5

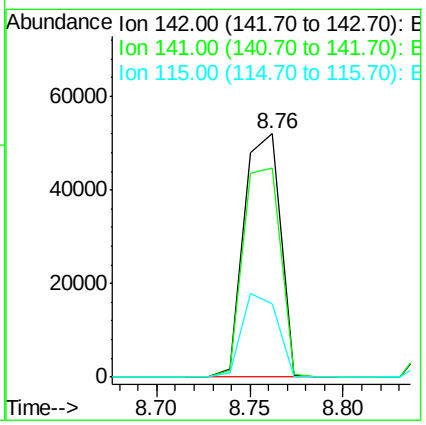


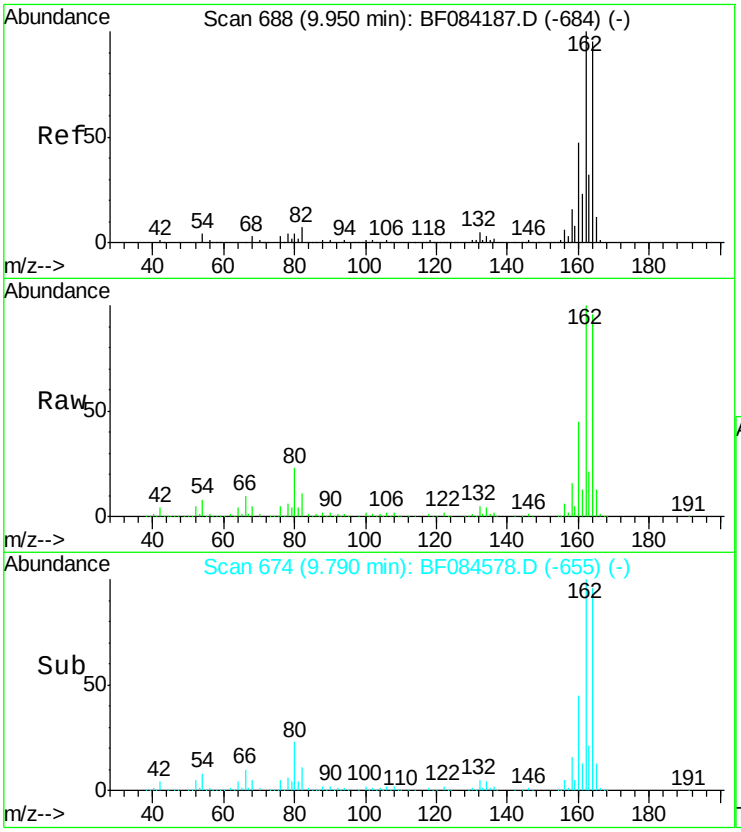


#37
2-Methylnaphthalene
Concen: 2.25 ng
RT: 8.76 min Scan# 584
Delta R.T. -0.07 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Tgt Ion:142 Resp: 70247

Ion	Ratio	Lower	Upper
142	100		
141	85.9	72.4	108.6
115	30.3	27.9	41.9



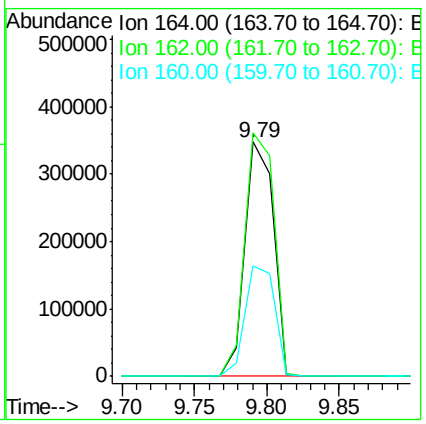


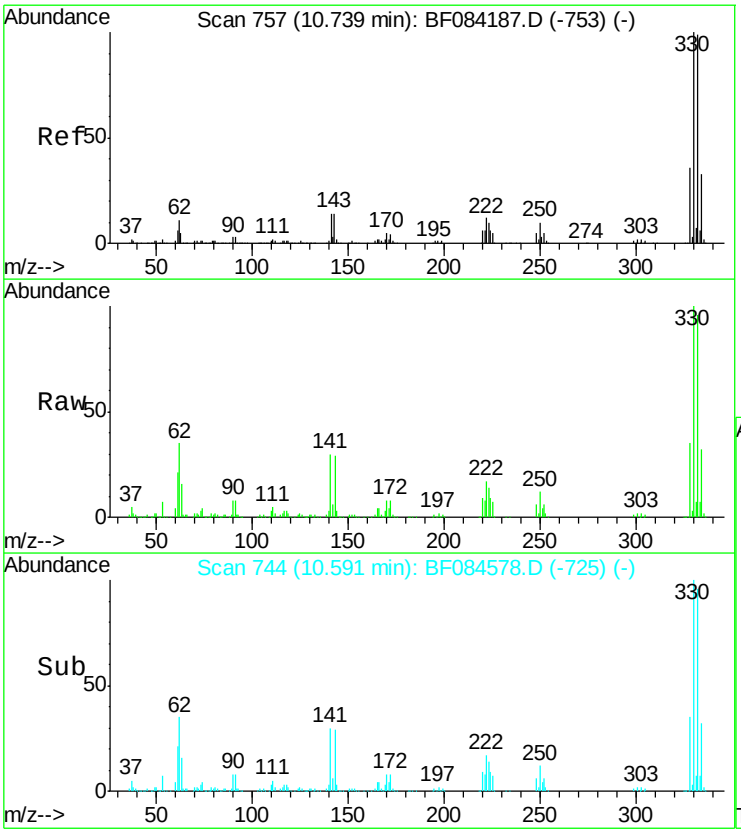
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.08 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Instrument :
BNA_F
ClientSampleId :
SULFURCAKE

Tgt Ion:164 Resp: 475036

Ion	Ratio	Lower	Upper
164	100		
162	104.0	85.1	127.7
160	47.0	37.5	56.3

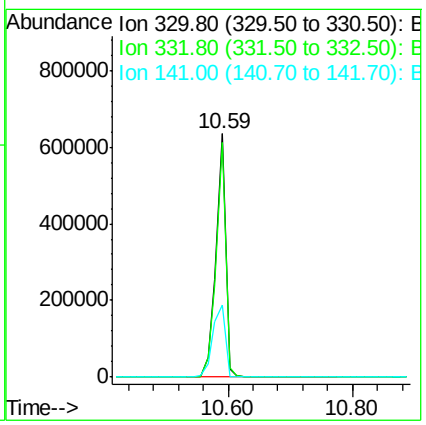


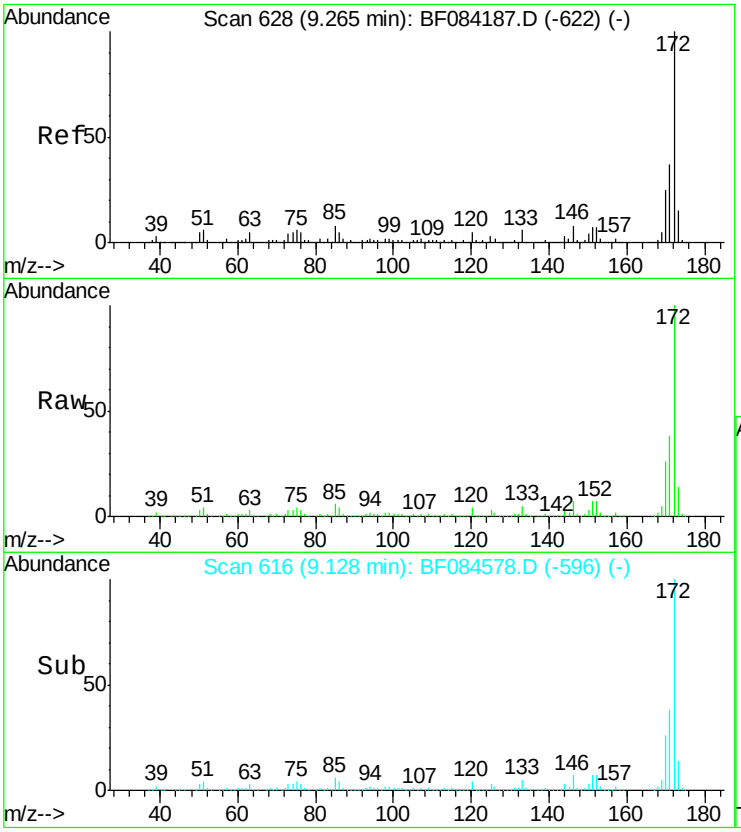


#41
2,4,6-Tribromophenol
Concen: 139.84 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.08 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Tgt Ion:330 Resp: 670656

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	114.8
141	38.5	27.8	41.6



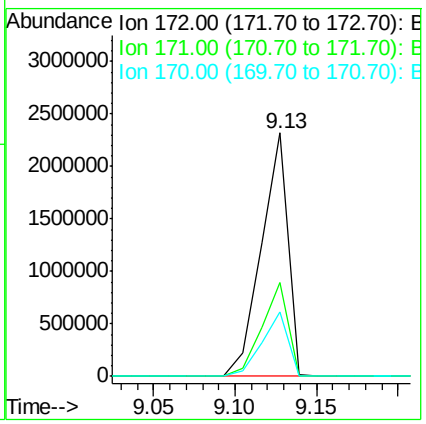


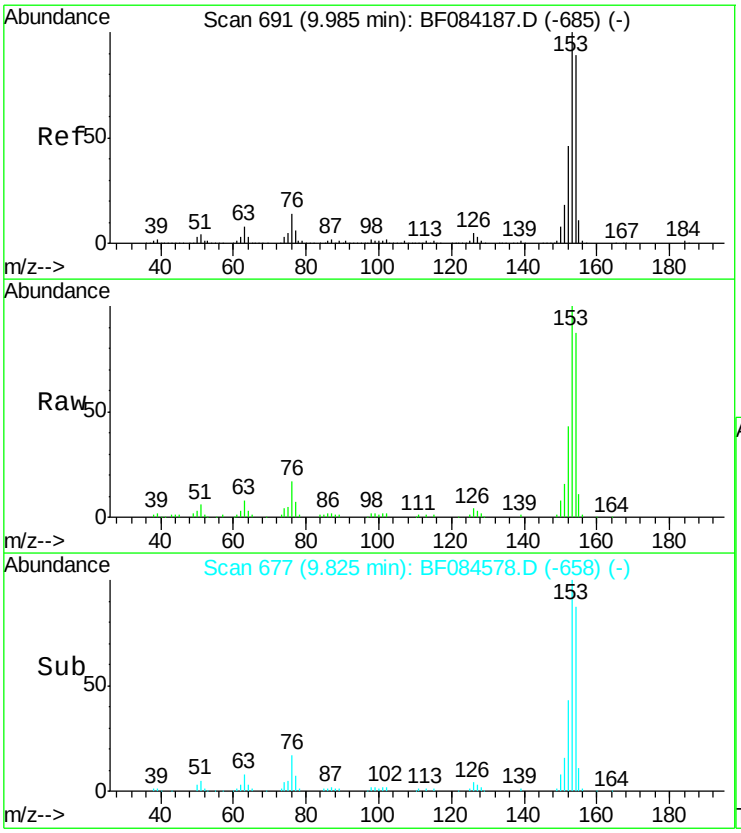
#44
2-Fluorobiphenyl
Concen: 98.42 ng
RT: 9.13 min Scan# 616
Delta R.T. -0.07 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Instrument :
BNA_F
ClientSampleId :
SULFURCAKE

Tgt Ion:172 Resp: 2630812

Ion	Ratio	Lower	Upper
172	100		
171	38.3	28.9	43.3
170	26.2	18.6	27.8

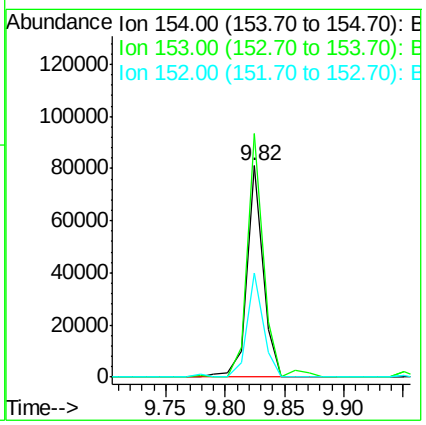


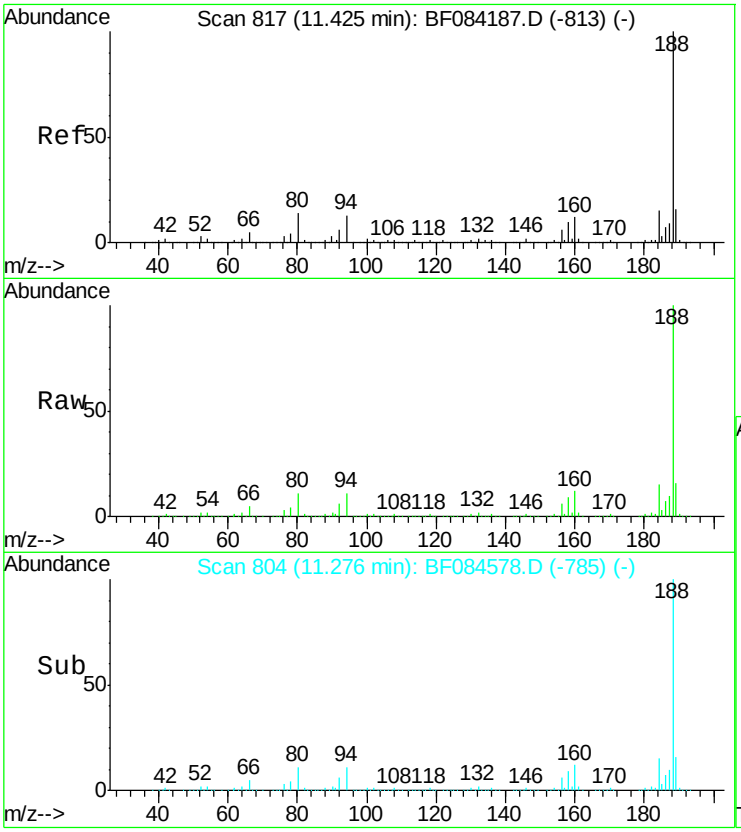


#51
Acenaphthene
Concen: 2.63 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.08 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Tgt Ion:154 Resp: 77432

Ion	Ratio	Lower	Upper
154	100		
153	115.1	91.5	137.3
152	48.9	43.0	64.6



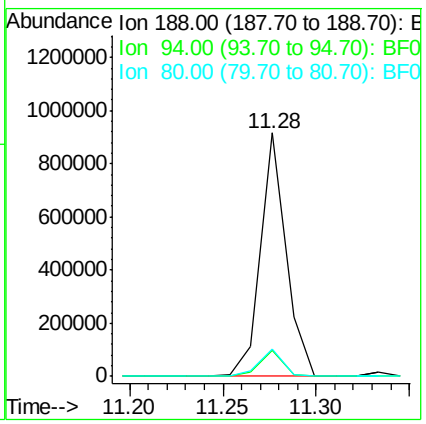


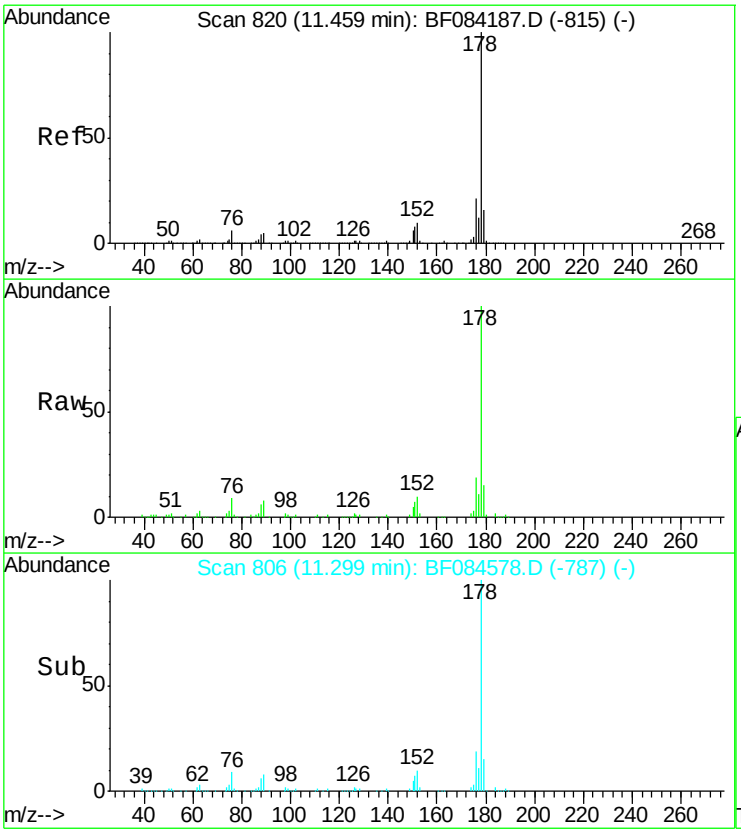
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.08 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Instrument :
BNA_F
ClientSampleId :
SULFURCAKE

Tgt Ion:188 Resp: 864009

Ion	Ratio	Lower	Upper
188	100		
94	10.7	9.0	13.4
80	11.5	9.6	14.4

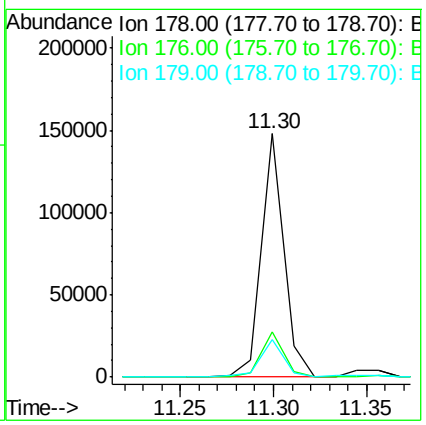


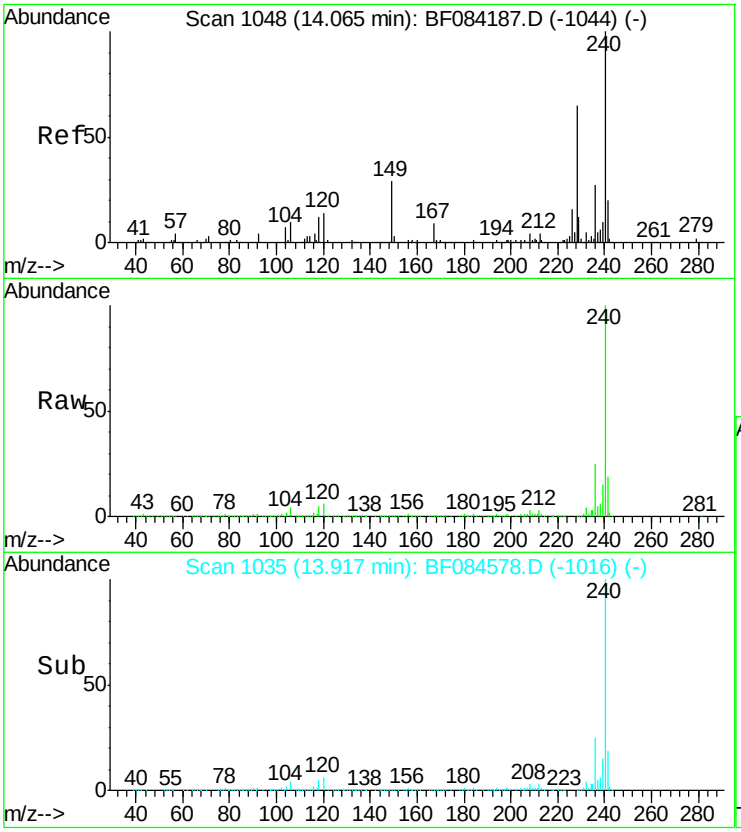


#70
Phenanthrene
Concen: 2.72 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.08 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Tgt Ion:178 Resp: 123064

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	15.4	12.0	18.0



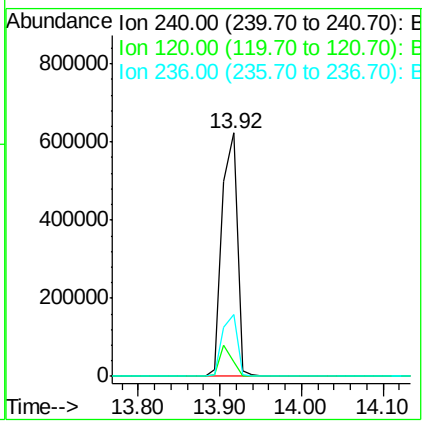


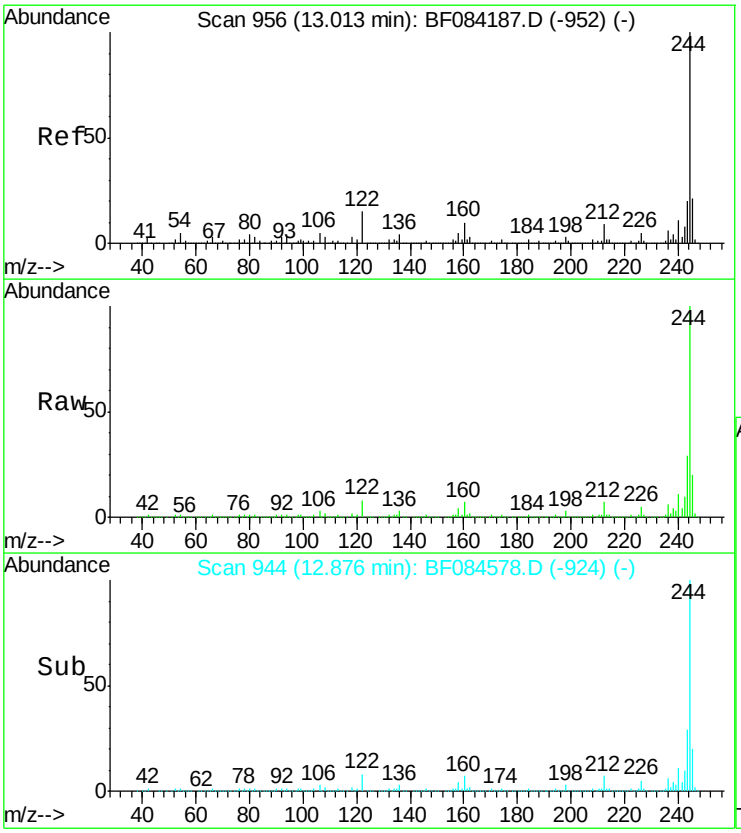
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.92 min Scan# 1035
Delta R.T. -0.08 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Instrument :
BNA_F
ClientSampleId :
SULFURCAKE

Tgt Ion:240 Resp: 800629

Ion	Ratio	Lower	Upper
240	100		
120	6.2	9.5	14.3#
236	25.3	20.6	31.0

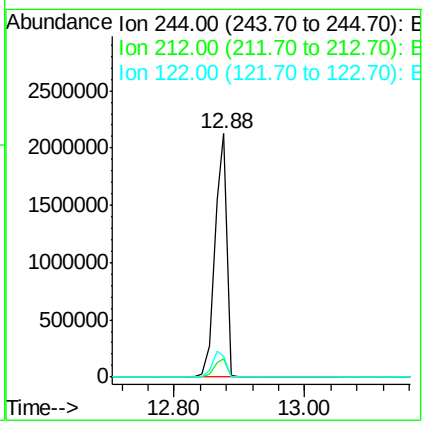


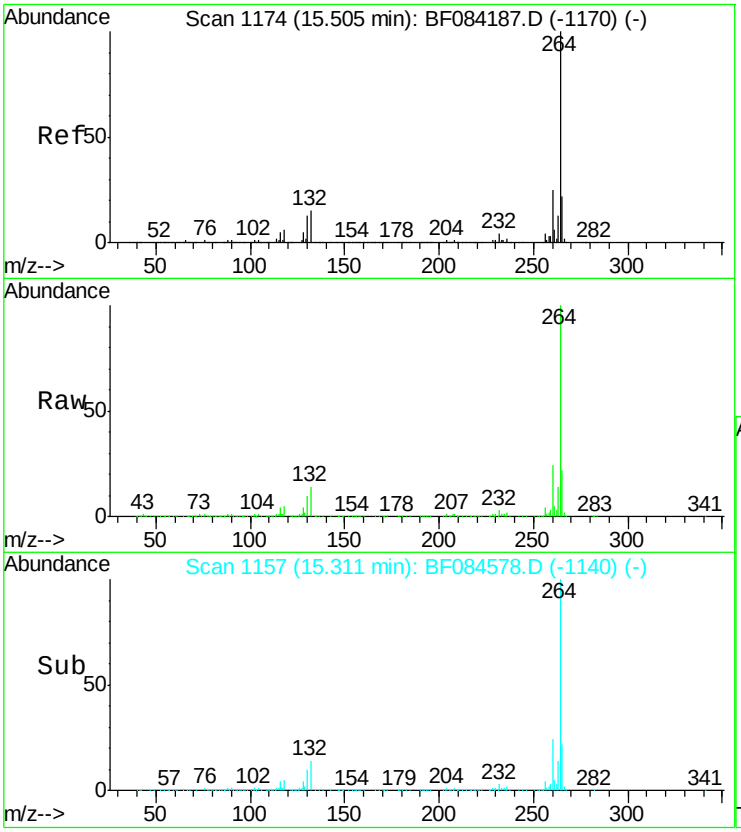


#78
Terphenyl-d14
Concen: 76.40 ng
RT: 12.88 min Scan# 944
Delta R.T. -0.07 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Tgt Ion:244 Resp: 2740232

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.7	8.5
122	8.4	7.4	11.0





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1157
Delta R.T. -0.10 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Instrument :
BNA_F
ClientSampleId :
SULFURCAKE

Tgt Ion:264 Resp: 589257

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.2
265	21.7	17.8	26.6