Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062317\
Data File : BF096162.D
Acq On : 23 Jun 2017 16:34
Operator : SJ/MA
Sample : I3800-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 24 00:19:46 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 16:05:47 2017
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
CRUSHED-STONE-DUST

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	66984	20.00	ng		-0.03
21) Naphthalene-d8	9.30	136	283500	20.00	ng		-0.03
38) Acenaphthene-d10	12.11	164	132455	20.00	ng		-0.04
63) Phenanthrene-d10	14.50	188	247937	20.00	ng		-0.04
75) Chrysene-d12	18.24	240	186043	20.00	ng		-0.03
86) Perylene-d12	19.92	264	136180	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.16	112	177169	42.15	ng		-0.02
7) Phenol-d6	6.85	99	289442	57.51	ng		-0.03
23) Nitrobenzene-d5	8.19	82	176711	38.71	ng		-0.04
41) 2,4,6-Tribromophenol	13.42	330	43948	37.50	ng		-0.03
44) 2-Fluorobiphenyl	11.07	172	401093	42.14	ng		-0.04
78) Terphenyl-d14	16.89	244	350456	46.75	ng		-0.04
Target Compounds							Qvalue
49) Dimethylphthalate	11.79	163	28314	2.82	ng		99
70) Phenanthrene	14.54	178	120451	8.42	ng		96
74) Fluoranthene	16.34	202	135852	9.59	ng		98
77) Pyrene	16.64	202	125203	9.02	ng		97
80) Benzo(a)anthracene	18.23	228	44315	4.10	ng		99
82) Chrysene	18.29	228	47479	4.39	ng		94
87) Benzo(b)fluoranthene	19.53	252	38500m	4.52	ng		
89) Benzo(a)pyrene	19.88	252	25937	3.31	ng	#	93
91) Benzo(g,h,i)perylene	21.44	276	16345	2.41	ng		97

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

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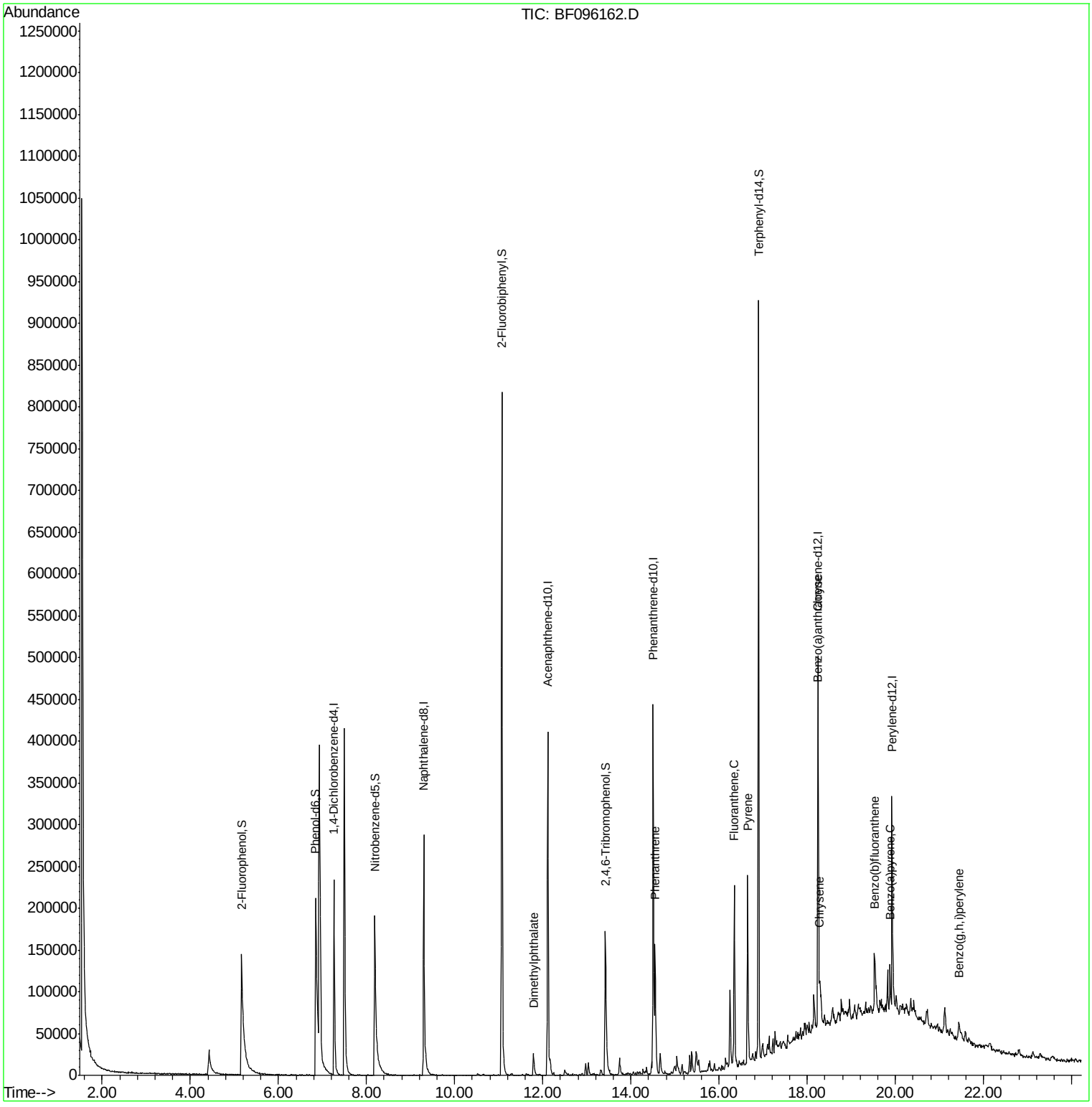
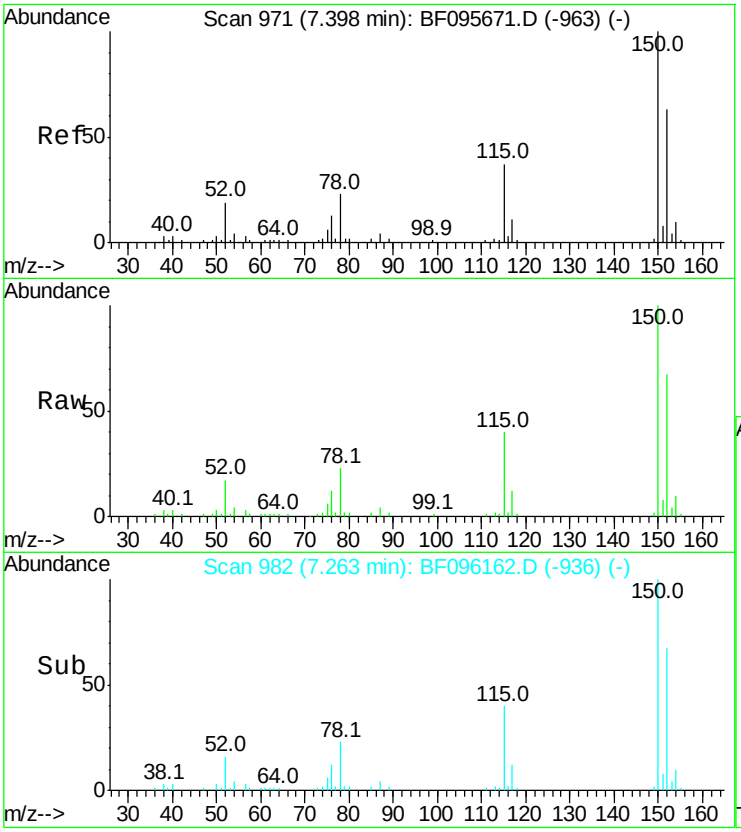
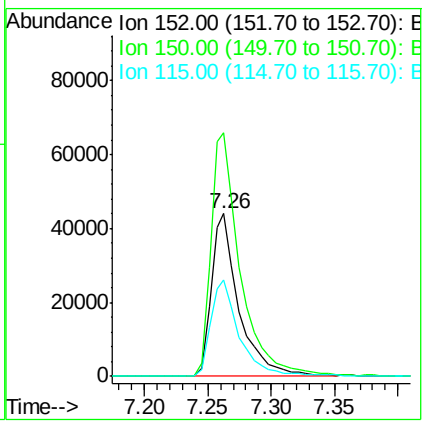




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 982
Delta R.T. -0.03 min
Lab File: BF096162.D
Acq: 23 Jun 2017 16:34

Tgt Ion:152 Resp: 66984

Ion	Ratio	Lower	Upper
152	100		
150	149.5	126.2	189.2
115	59.4	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
CRUSHED-STONE-DUST

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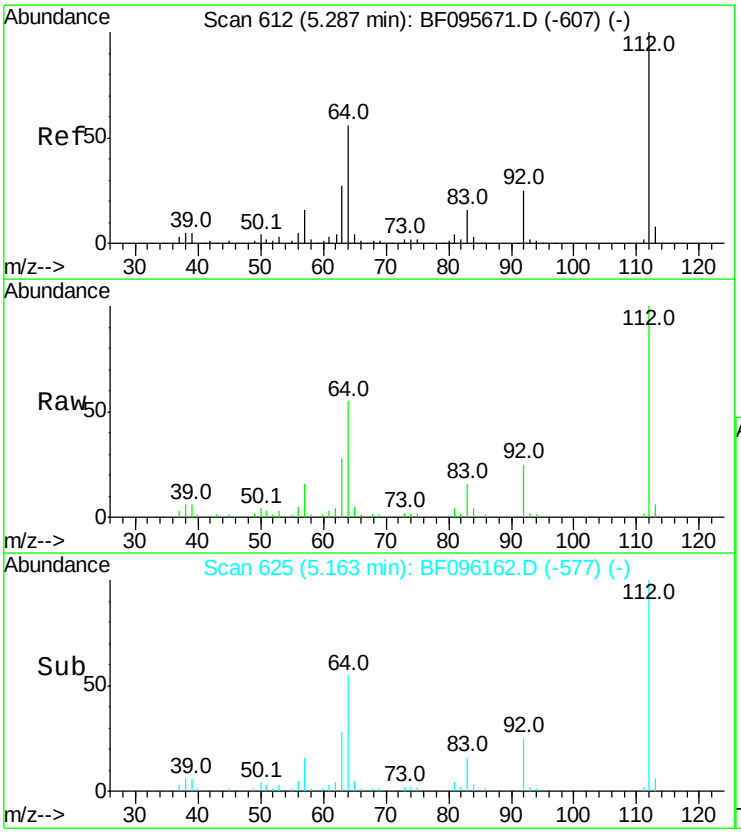
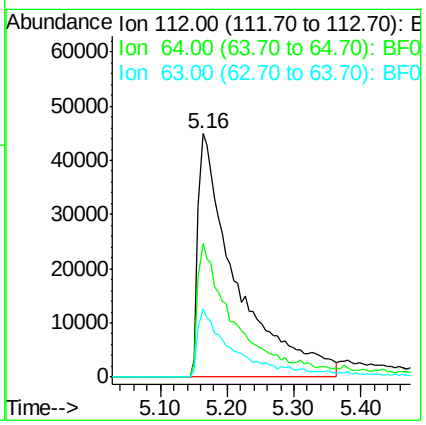
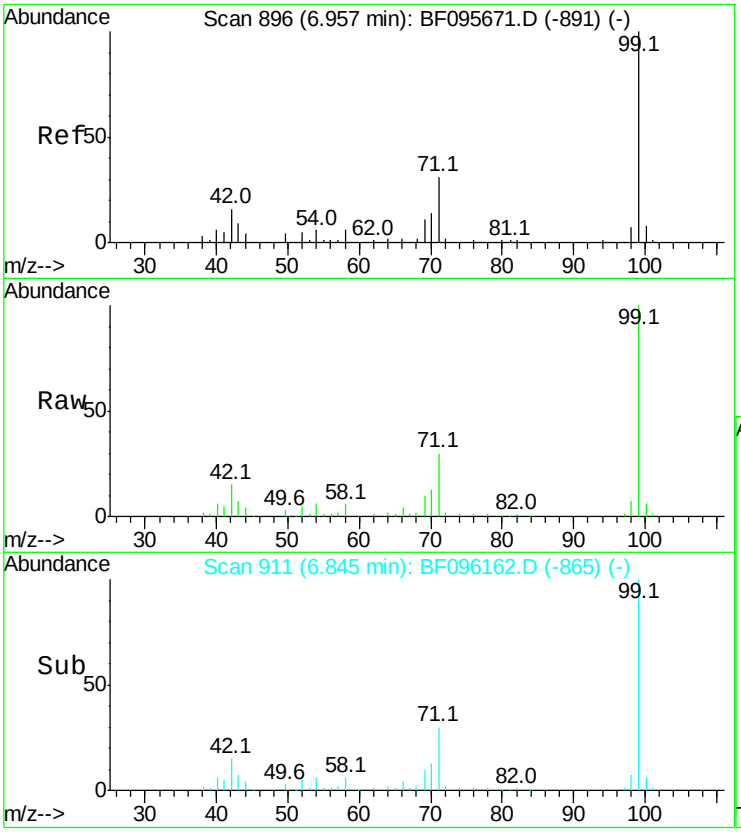


#5
2-Fluorophenol
Concen: 42.15 ng
RT: 5.16 min Scan# 625
Delta R.T. -0.02 min
Lab File: BF096162.D
Acq: 23 Jun 2017 16:34

Tgt Ion:112 Resp: 177169

Ion	Ratio	Lower	Upper
112	100		
64	54.9	46.0	69.0
63	28.1	23.4	35.0

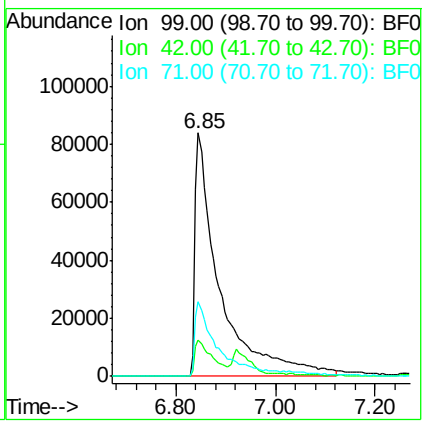




#7
Phenol-d6
Concen: 57.51 ng
RT: 6.85 min Scan# 911
Delta R.T. -0.03 min
Lab File: BF096162.D
Acq: 23 Jun 2017 16:34

Tgt Ion: 99 Resp: 289442

Ion	Ratio	Lower	Upper
99	100		
42	15.1	13.5	20.3
71	30.5	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
CRUSHED-STONE-DUST

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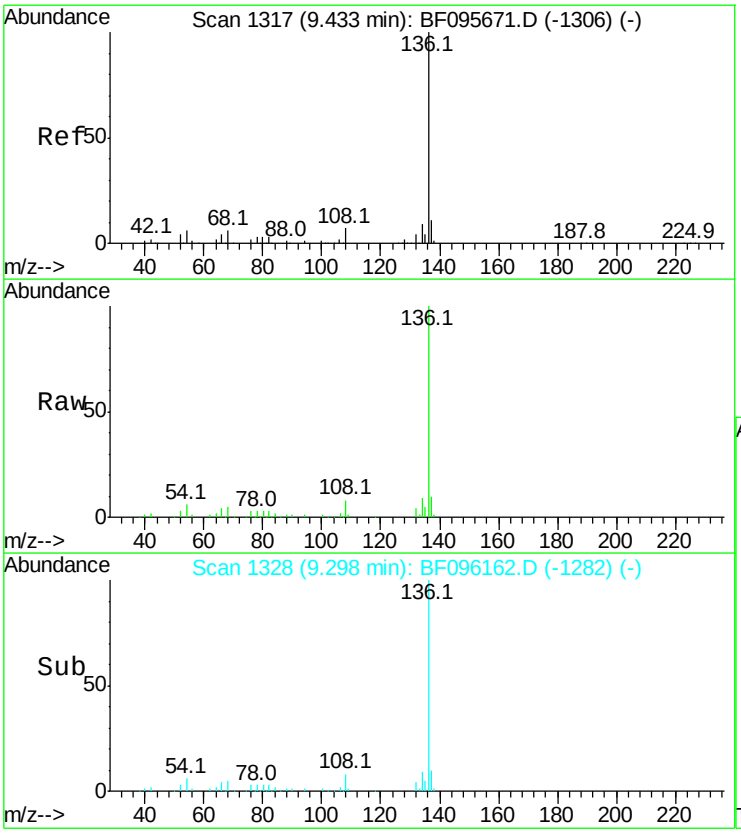
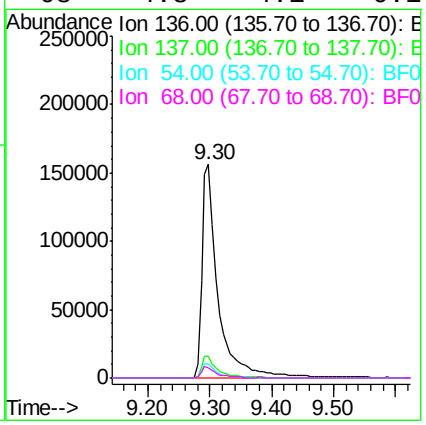
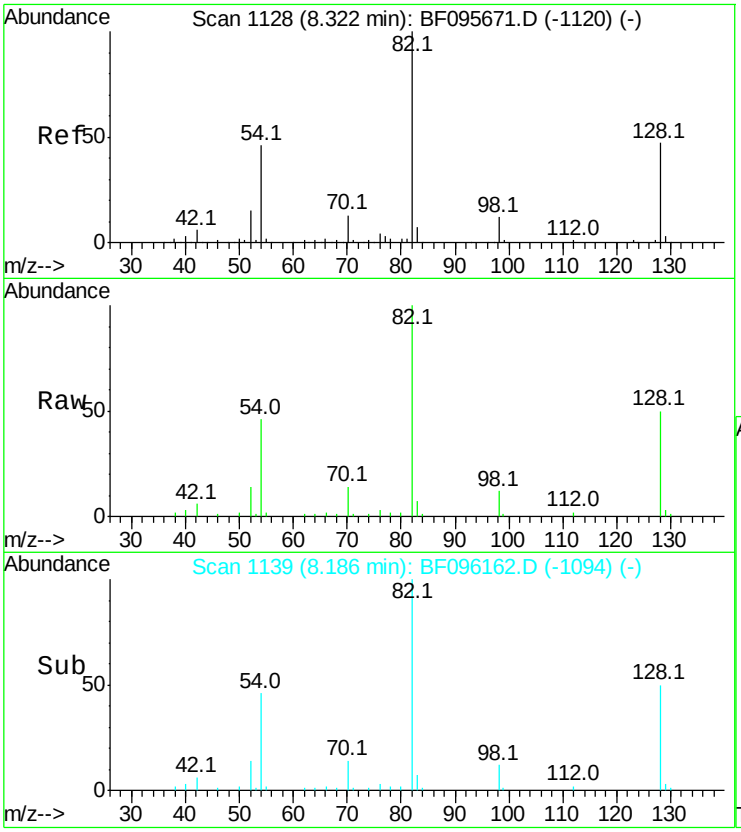


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.30 min Scan# 1328
Delta R.T. -0.03 min
Lab File: BF096162.D
Acq: 23 Jun 2017 16:34

Tgt Ion:136 Resp: 283500

Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.5	12.7
54	6.4	4.9	7.3
68	4.8	4.1	6.1

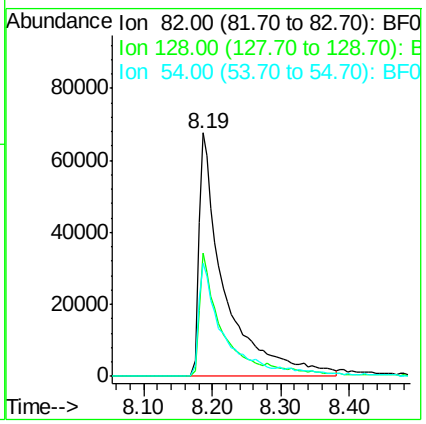




#23
Nitrobenzene-d5
Concen: 38.71 ng
RT: 8.19 min Scan# 1139
Delta R.T. -0.04 min
Lab File: BF096162.D
Acq: 23 Jun 2017 16:34

Tgt Ion: 82 Resp: 176711

Ion	Ratio	Lower	Upper
82	100		
128	50.5	34.0	51.0
54	46.4	42.2	63.2



Instrument :
BNA_F
ClientSampleId :
CRUSHED-STONE-DUST

Manual Integrations APPROVED
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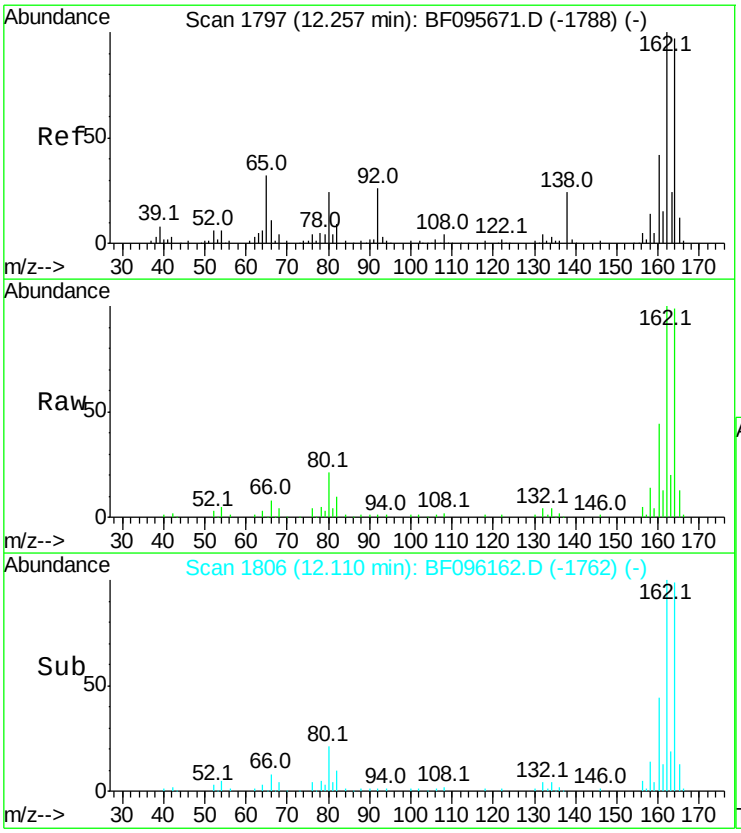
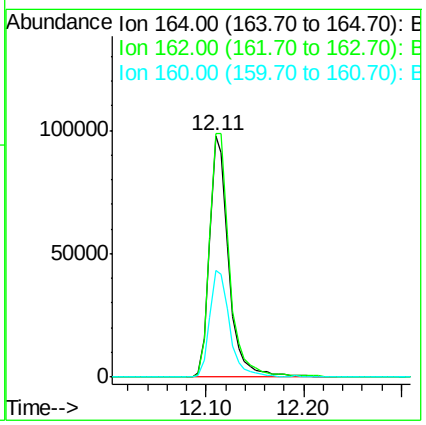
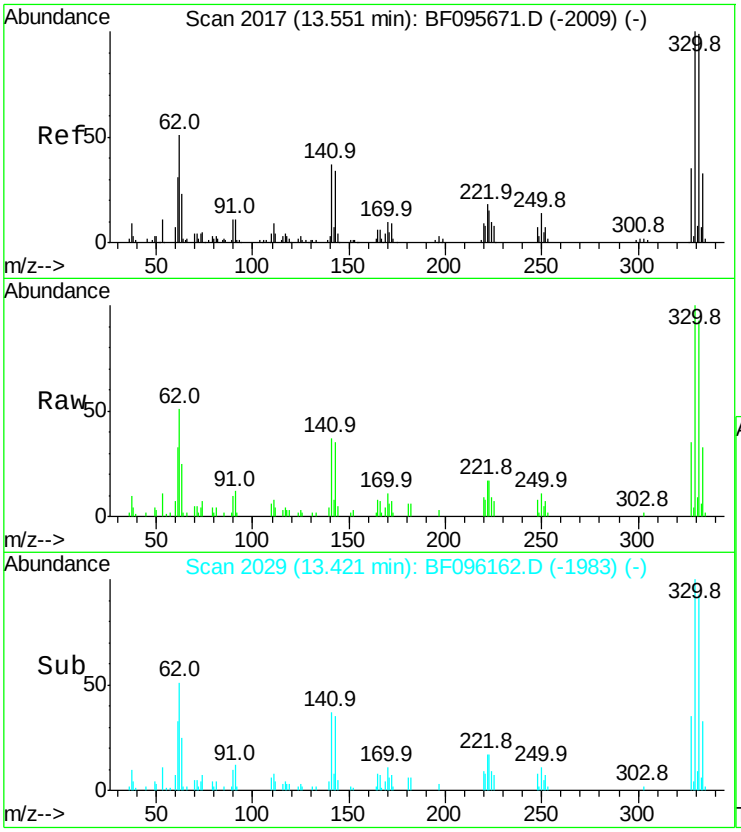


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.11 min Scan# 1806
Delta R.T. -0.04 min
Lab File: BF096162.D
Acq: 23 Jun 2017 16:34

Tgt Ion:164 Resp: 132455

Ion	Ratio	Lower	Upper
164	100		
162	101.0	82.6	123.8
160	44.2	36.2	54.2

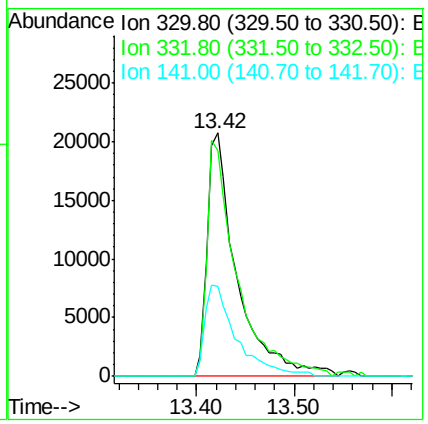




#41
2,4,6-Tribromophenol
Concen: 37.50 ng
RT: 13.42 min Scan# 2029
Delta R.T. -0.03 min
Lab File: BF096162.D
Acq: 23 Jun 2017 16:34

Tgt Ion:330 Resp: 43948

Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	115.0
141	40.0	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
CRUSHED-STONE-DUST

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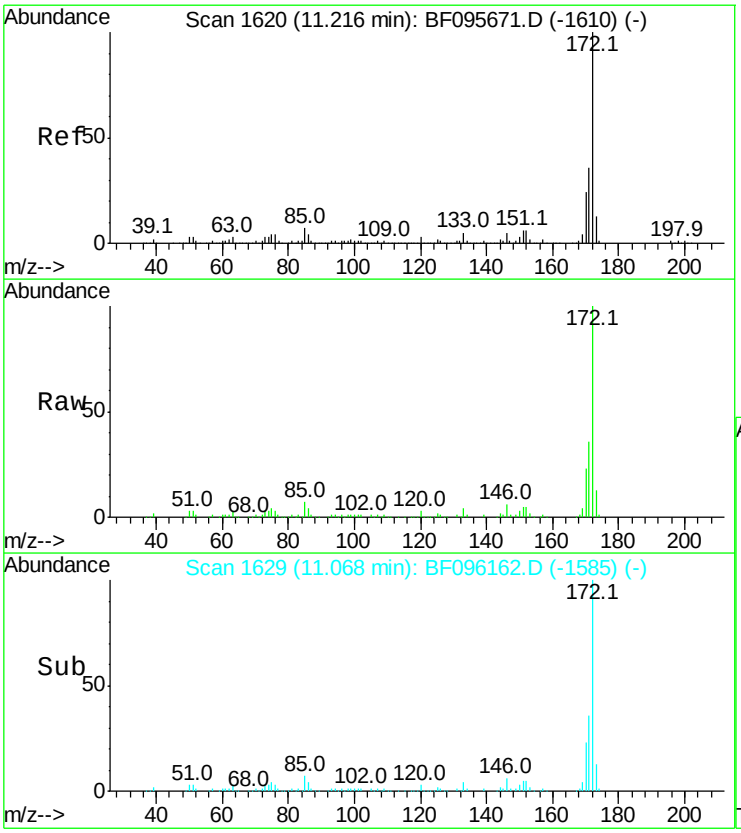
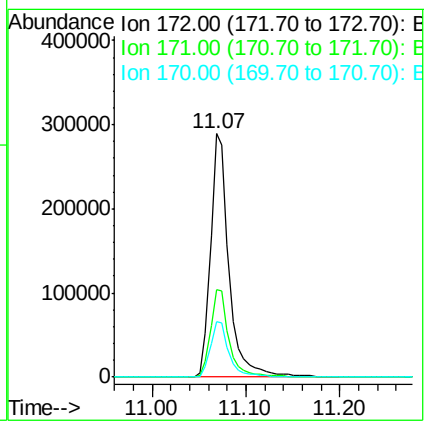
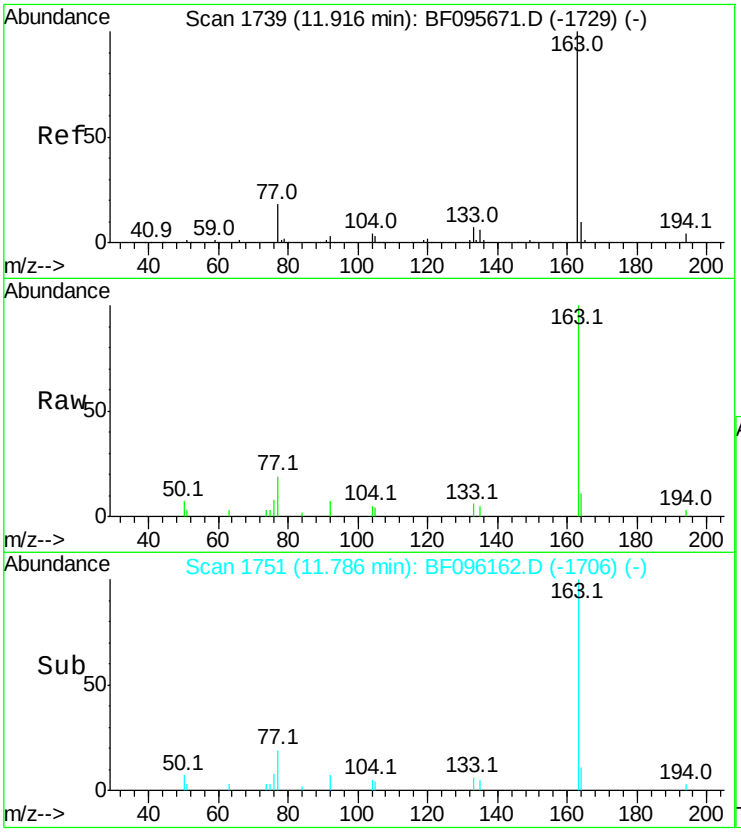


#44
2-Fluorobiphenyl
Concen: 42.14 ng
RT: 11.07 min Scan# 1629
Delta R.T. -0.04 min
Lab File: BF096162.D
Acq: 23 Jun 2017 16:34

Tgt Ion:172 Resp: 401093

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.0	19.8	29.8

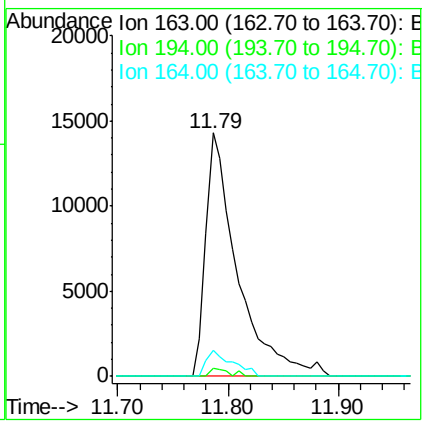




#49
Dimethylphthalate
Concen: 2.82 ng
RT: 11.79 min Scan# 1751
Delta R.T. -0.04 min
Lab File: BF096162.D
Acq: 23 Jun 2017 16:34

Tgt Ion:163 Resp: 28314

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.9	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
CRUSHED-STONE-DUST

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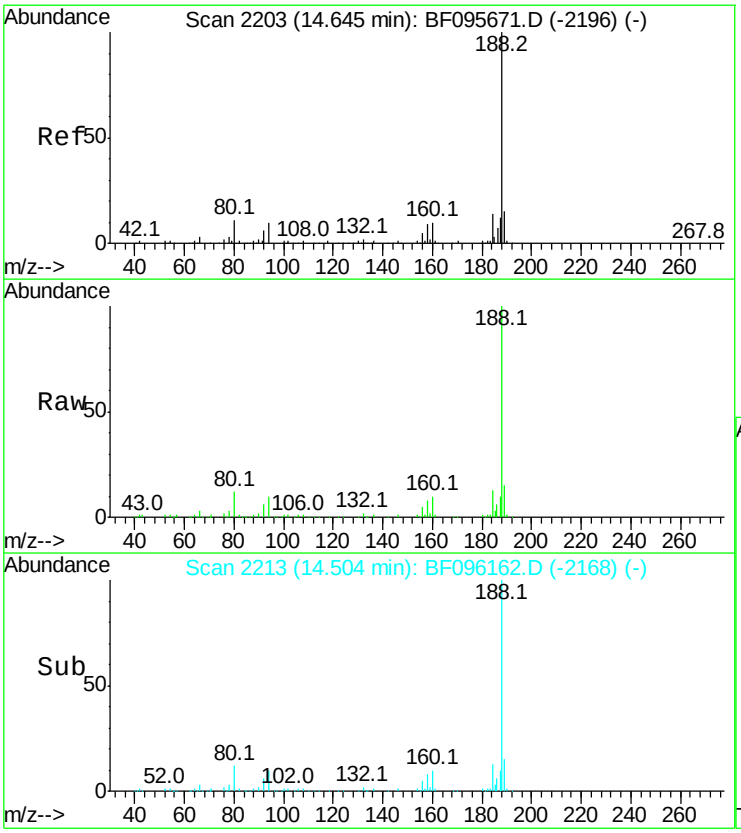
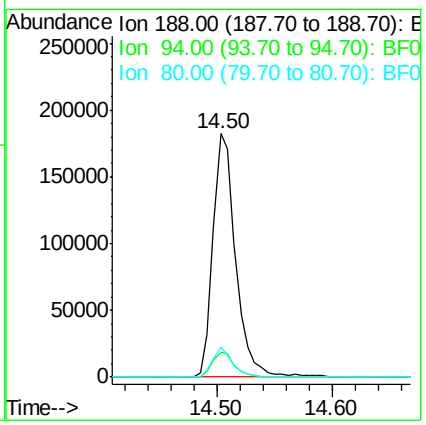
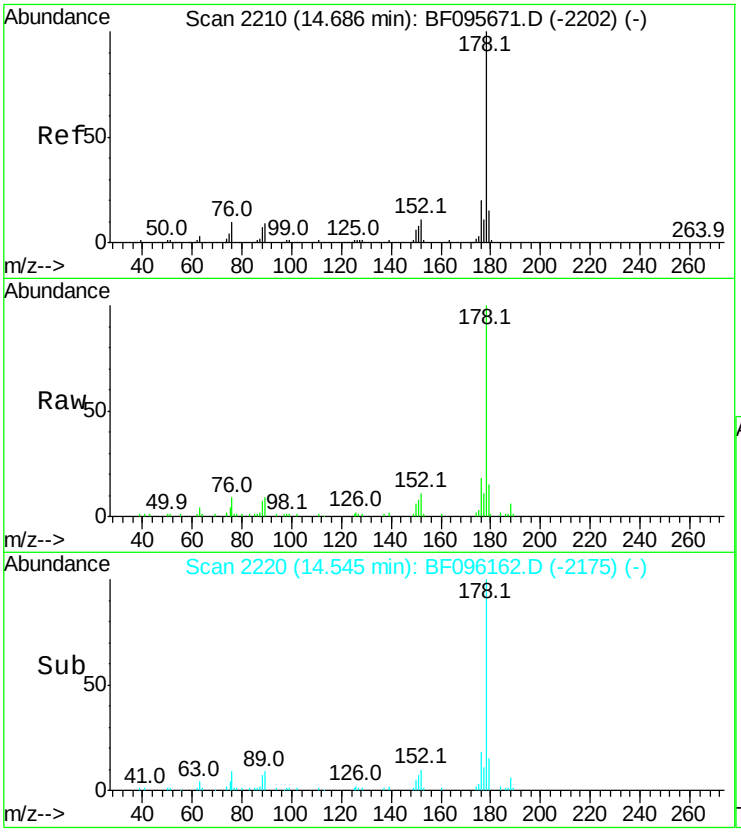


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.50 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF096162.D
Acq: 23 Jun 2017 16:34

Tgt Ion:188 Resp: 247937

Ion	Ratio	Lower	Upper
188	100		
94	10.4	9.4	14.2
80	12.2	10.2	15.2

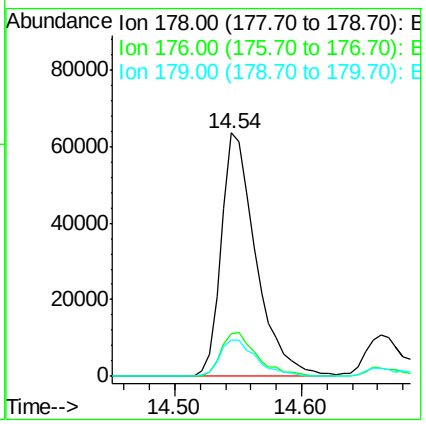




#70
Phenanthrene
Concen: 8.42 ng
RT: 14.54 min Scan# 2220
Delta R.T. -0.04 min
Lab File: BF096162.D
Acq: 23 Jun 2017 16:34

Tgt Ion:178 Resp: 120451

Ion	Ratio	Lower	Upper
178	100		
176	17.7	16.2	24.4
179	15.0	12.6	19.0



Instrument :
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ClientSampleId :
CRUSHED-STONE-DUST

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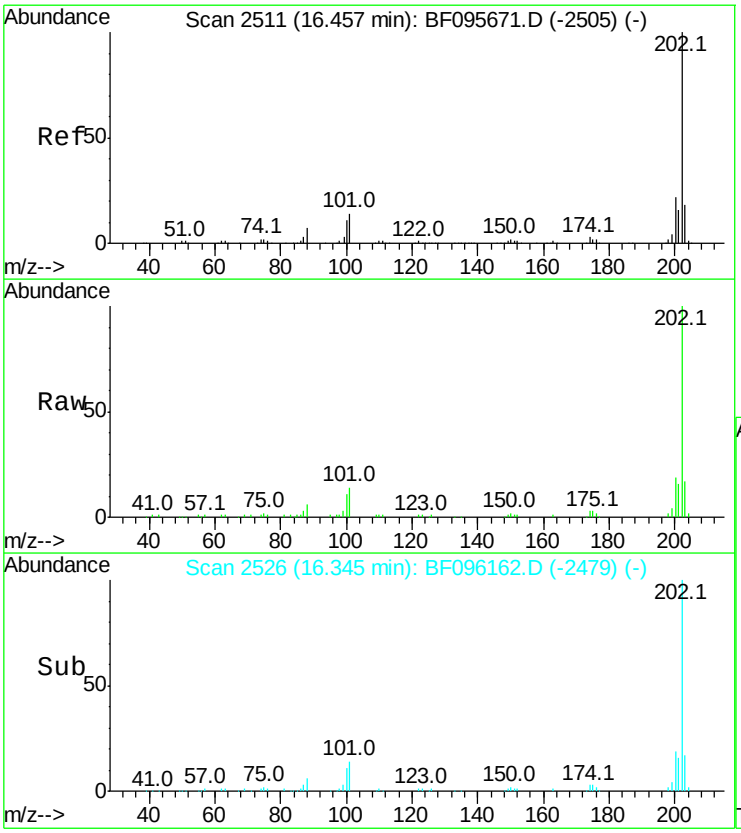
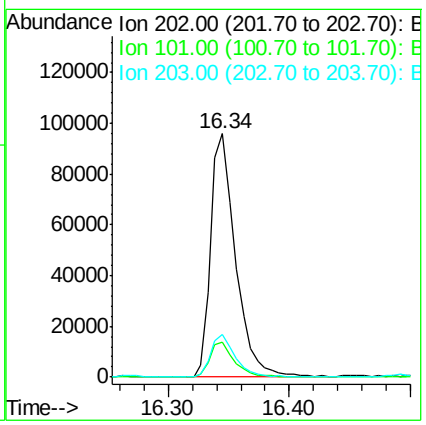
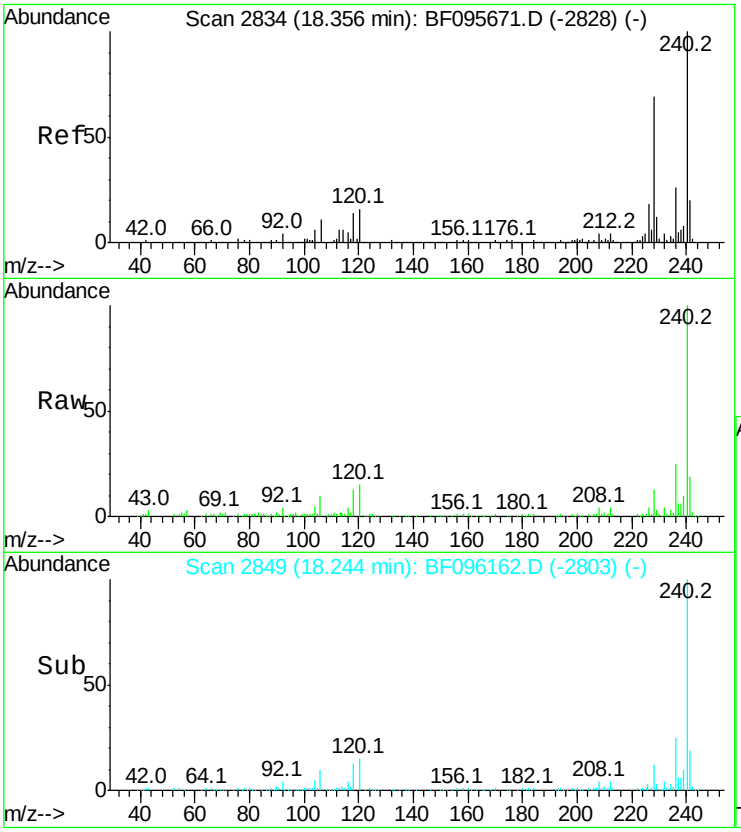


#74
Fluoranthene
Concen: 9.59 ng
RT: 16.34 min Scan# 2526
Delta R.T. -0.02 min
Lab File: BF096162.D
Acq: 23 Jun 2017 16:34

Tgt Ion:202 Resp: 135852

Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	33.2
203	17.4	0.0	38.1

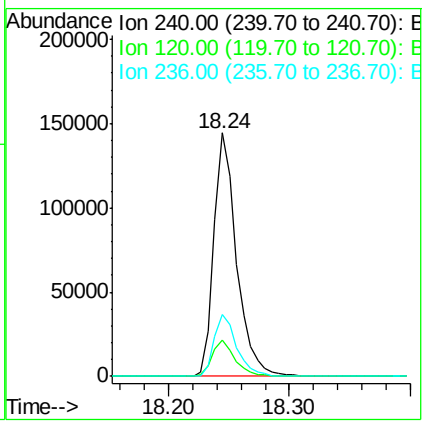




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.24 min Scan# 2849
Delta R.T. -0.03 min
Lab File: BF096162.D
Acq: 23 Jun 2017 16:34

Tgt Ion:240 Resp: 186043

Ion	Ratio	Lower	Upper
240	100		
120	15.1	5.8	8.8#
236	25.2	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
CRUSHED-STONE-DUST

Manual Integrations APPROVED
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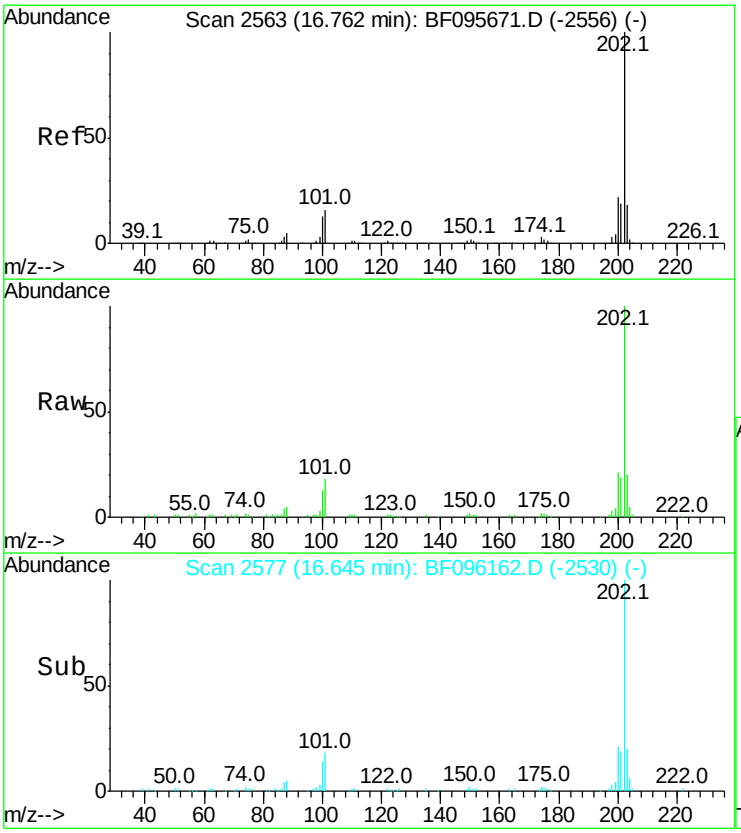
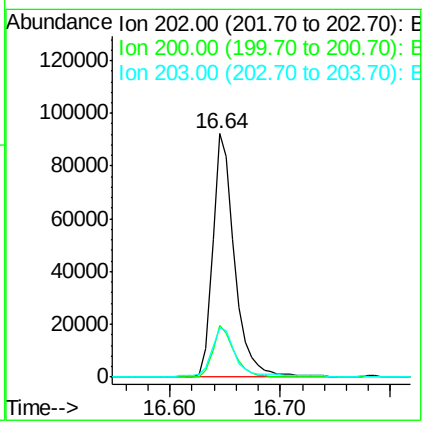
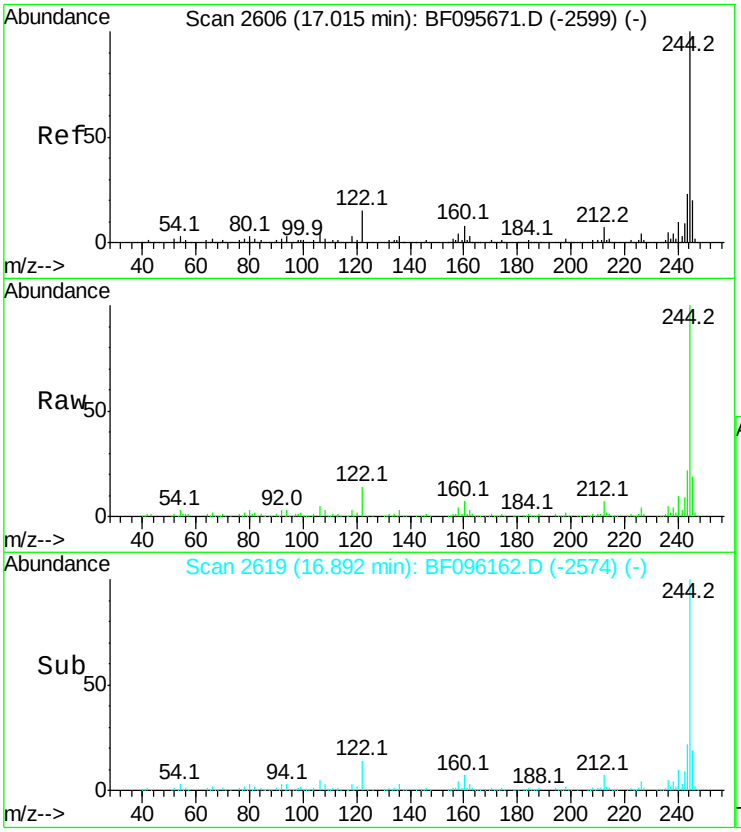


#77
Pyrene
Concen: 9.02 ng
RT: 16.64 min Scan# 2577
Delta R.T. -0.02 min
Lab File: BF096162.D
Acq: 23 Jun 2017 16:34

Tgt Ion:202 Resp: 125203

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	20.0	14.4	21.6

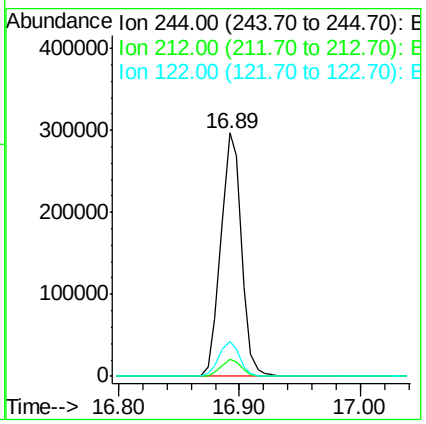




#78
Terphenyl-d14
Concen: 46.75 ng
RT: 16.89 min Scan# 2619
Delta R.T. -0.04 min
Lab File: BF096162.D
Acq: 23 Jun 2017 16:34

Tgt Ion:244 Resp: 350456

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	14.4	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
CRUSHED-STONE-DUST

Manual Integrations APPROVED
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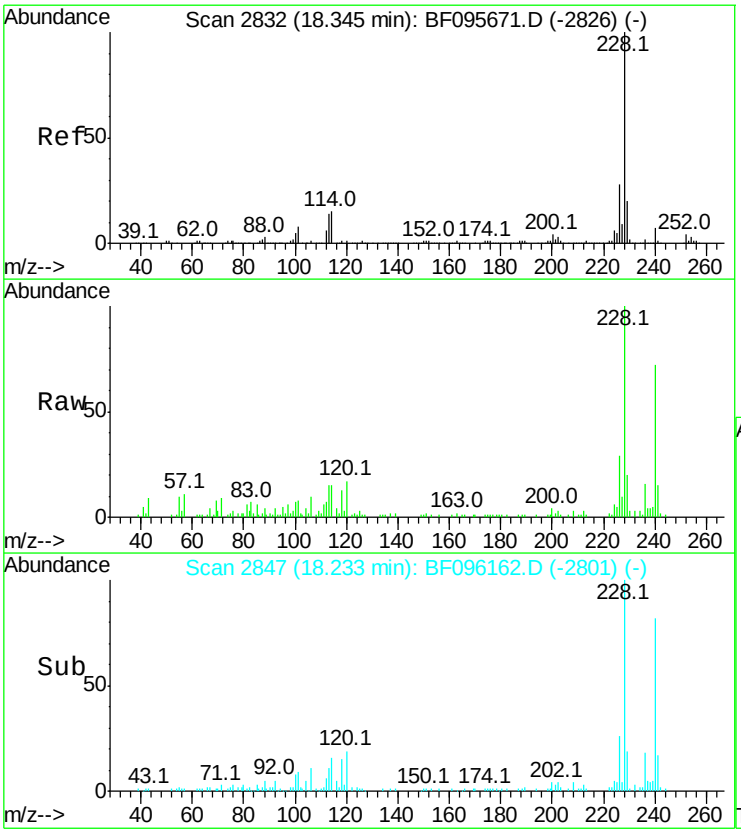
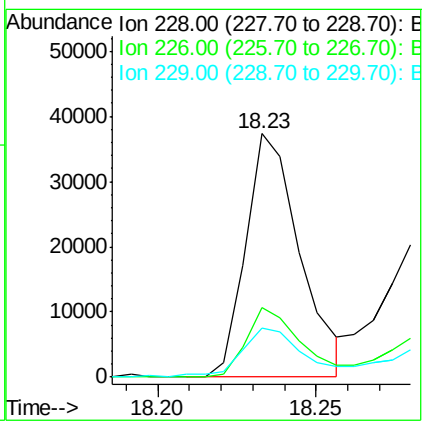
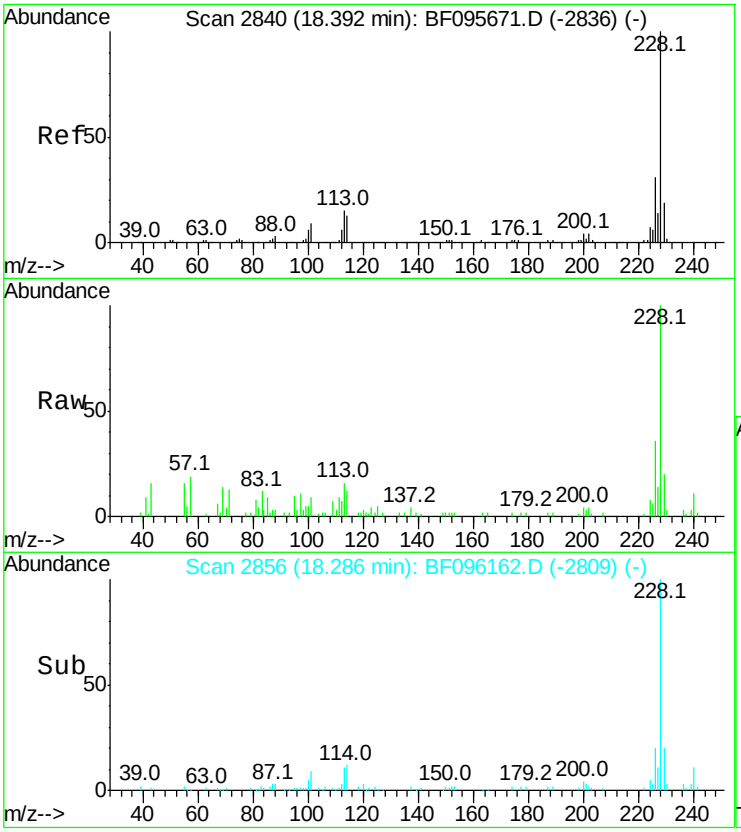


#80
Benzo(a)anthracene
Concen: 4.10 ng
RT: 18.23 min Scan# 2847
Delta R.T. -0.03 min
Lab File: BF096162.D
Acq: 23 Jun 2017 16:34

Tgt Ion:228 Resp: 44315

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	20.0	16.3	24.5

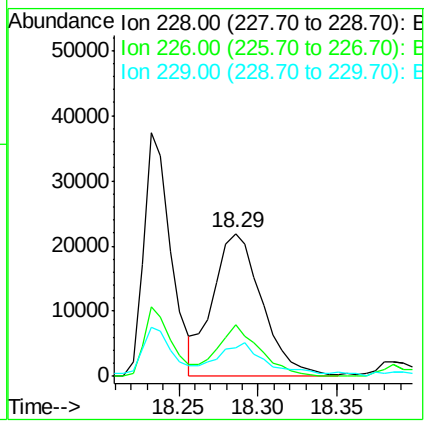




#82
Chrysene
Concen: 4.39 ng
RT: 18.29 min Scan# 2856
Delta R.T. -0.02 min
Lab File: BF096162.D
Acq: 23 Jun 2017 16:34

Tgt Ion:228 Resp: 47479

Ion	Ratio	Lower	Upper
228	100		
226	36.5	24.9	37.3
229	20.2	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
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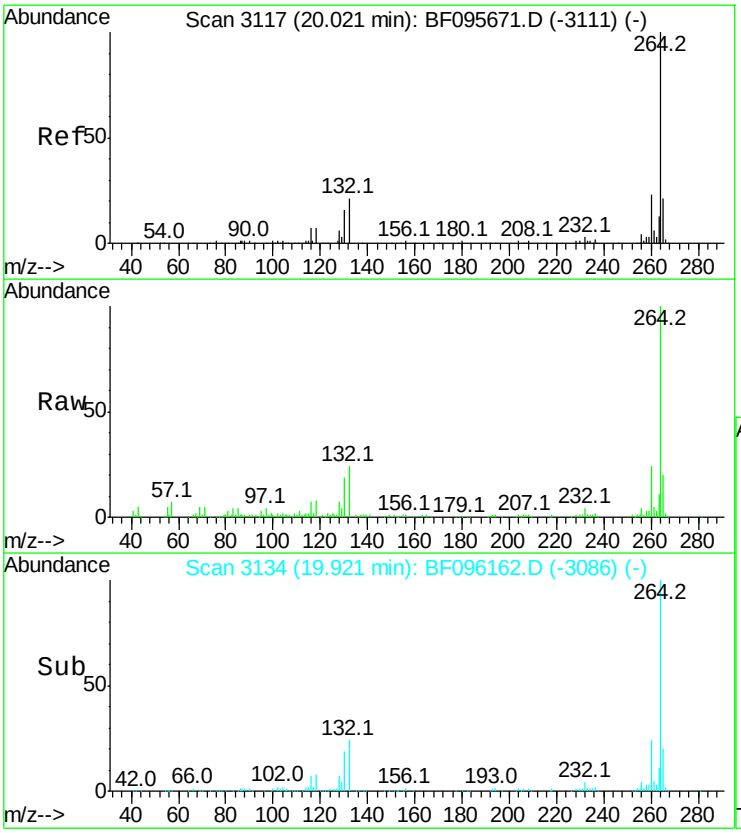
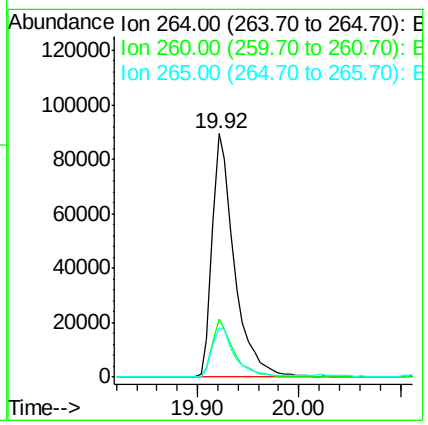
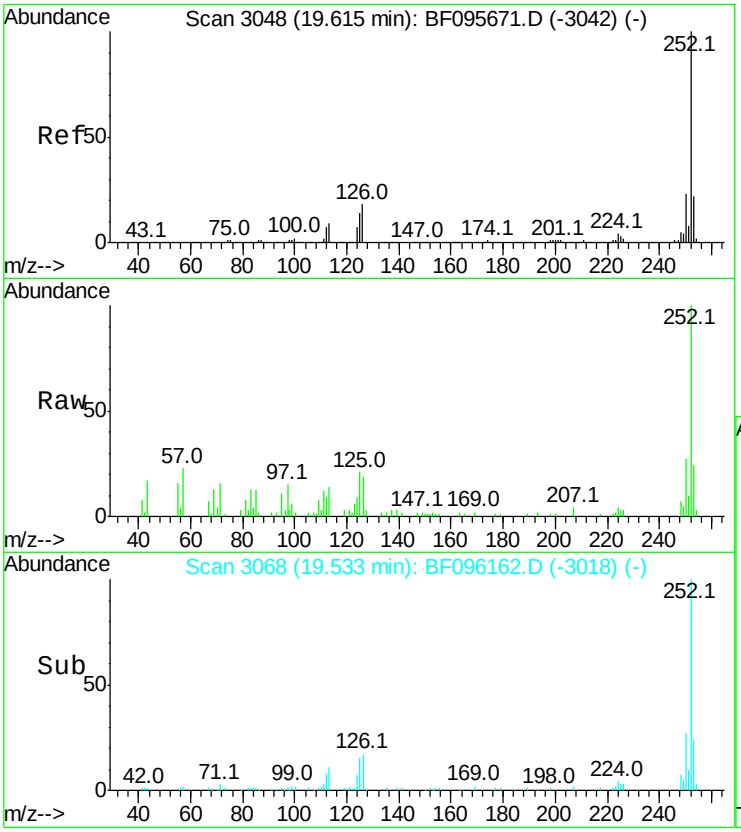


#86
Perylene-d12
Concen: 20.00 ng
RT: 19.92 min Scan# 3134
Delta R.T. -0.02 min
Lab File: BF096162.D
Acq: 23 Jun 2017 16:34

Tgt Ion:264 Resp: 136180

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	20.4	17.2	25.8

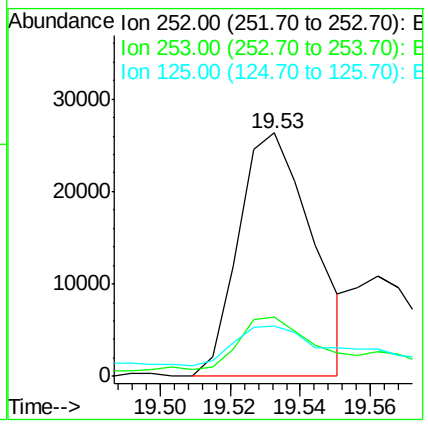




#87
Benzo(b)fluoranthene
Concen: 4.52 ng m
RT: 19.53 min Scan# 3068
Delta R.T. -0.01 min
Lab File: BF096162.D
Acq: 23 Jun 2017 16:34

Tgt Ion:252 Resp: 38500

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	20.5	9.8	14.8#



Instrument :
BNA_F
ClientSampleId :
CRUSHED-STONE-DUST

Manual Integrations APPROVED
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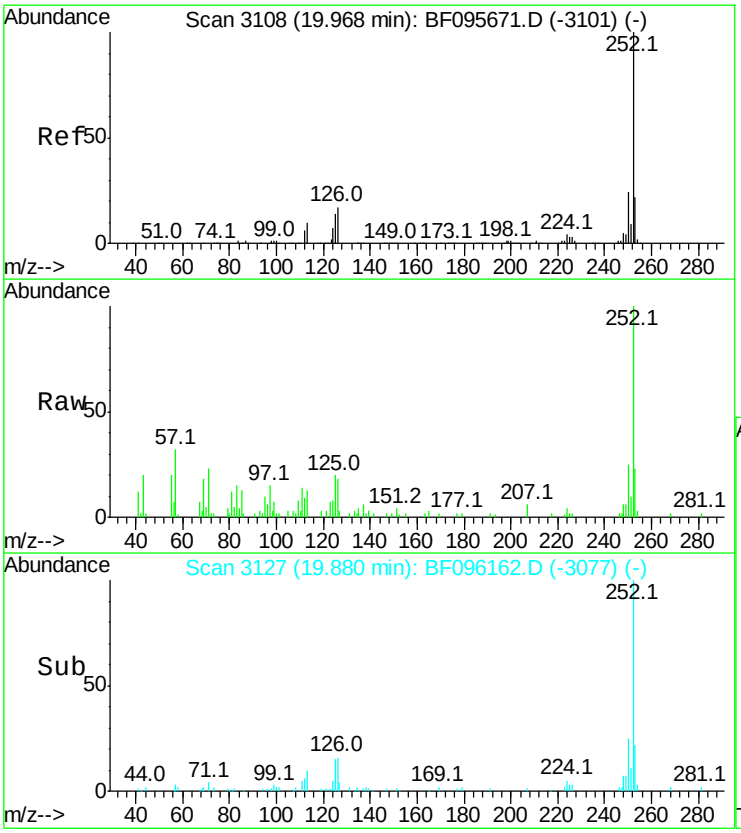
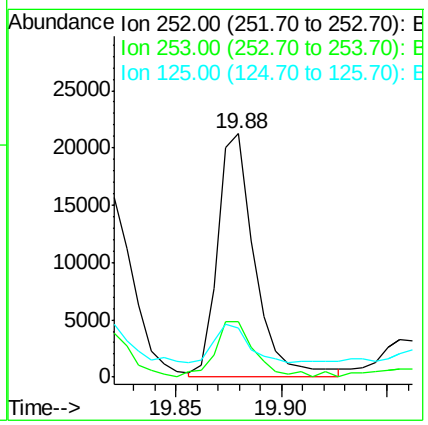
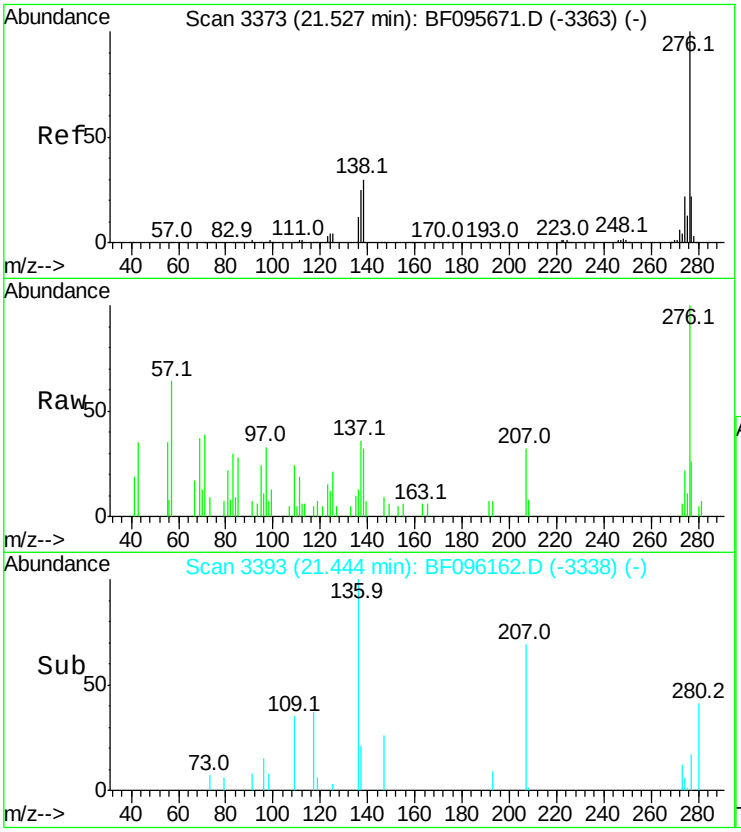


#89
Benzo(a)pyrene
Concen: 3.31 ng
RT: 19.88 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BF096162.D
Acq: 23 Jun 2017 16:34

Tgt Ion:252 Resp: 25937

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	20.1	11.0	16.4#

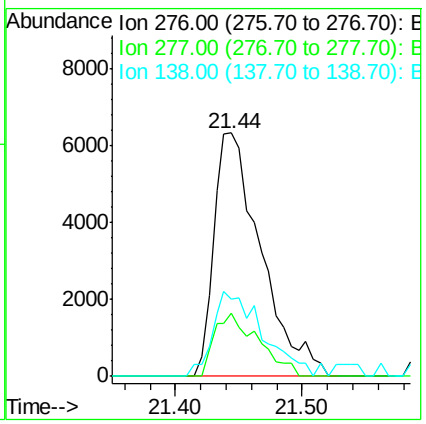




#91
Benzo(g,h,i)perylene
Concen: 2.41 ng
RT: 21.44 min Scan# 3393
Delta R.T. 0.02 min
Lab File: BF096162.D
Acq: 23 Jun 2017 16:34

Tgt Ion:276 Resp: 16345

Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.6	28.0
138	31.9	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
CRUSHED-STONE-DUST

Manual Integrations APPROVED
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