Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117531.D
Acq On : 25 Oct 2019 00:39
Operator : JU
Sample : K5498-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 196-00-(0-1)

Quant Time: Oct 25 06:22:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 18:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	47741	20.00	ng		0.00
21) Naphthalene-d8	8.02	136	196438	20.00	ng		0.00
39) Acenaphthene-d10	9.77	164	91671	20.00	ng		0.00
64) Phenanthrene-d10	11.26	188	121321	20.00	ng		0.00
76) Chrysene-d12	13.90	240	87311	20.00	ng		0.00
87) Perylene-d12	15.34	264	60108	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.36	112	48235	15.03	ng		0.01
7) Phenol-d6	6.39	99	71365	16.56	ng		0.01
23) Nitrobenzene-d5	7.30	82	37322	9.38	ng		0.00
42) 2,4,6-Tribromophenol	10.56	330	8532	10.76	ng		0.00
45) 2-Fluorobiphenyl	9.09	172	67603	10.39	ng		0.00
79) Terphenyl-d14	12.83	244	42615	7.96	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.51	77	1221	Below Cal		#	83
25) Isophorone	7.30	82	37322	5.422	ng	#	65
51) 2,6-Dinitrotoluene	9.77	165	10692	7.840	ng	#	22
57) 2,4-Dinitrotoluene	9.77	165	10692	5.897	ng	#	12
75) Fluoranthene	12.47	202	22711	3.220	ng		95
77) Benzidine	12.83	184	436	Below Cal		#	23
78) Pyrene	12.70	202	23839	3.179	ng		96
83) Chrysene	13.89	228	11601	2.010	ng		97
88) Benzo(b)fluoranthene	14.93	252	13592	3.829	ng	#	77
89) Benzo(k)fluoranthene	14.93	252	13592	3.736	ng	#	77
90) Benzo(a)pyrene	15.28	252	7146	2.214	ng	#	74

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

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117531.D
Acq On : 25 Oct 2019 00:39
Operator : JU
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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
196-00-(0-1)

Quant Time: Oct 25 06:22:53 2019
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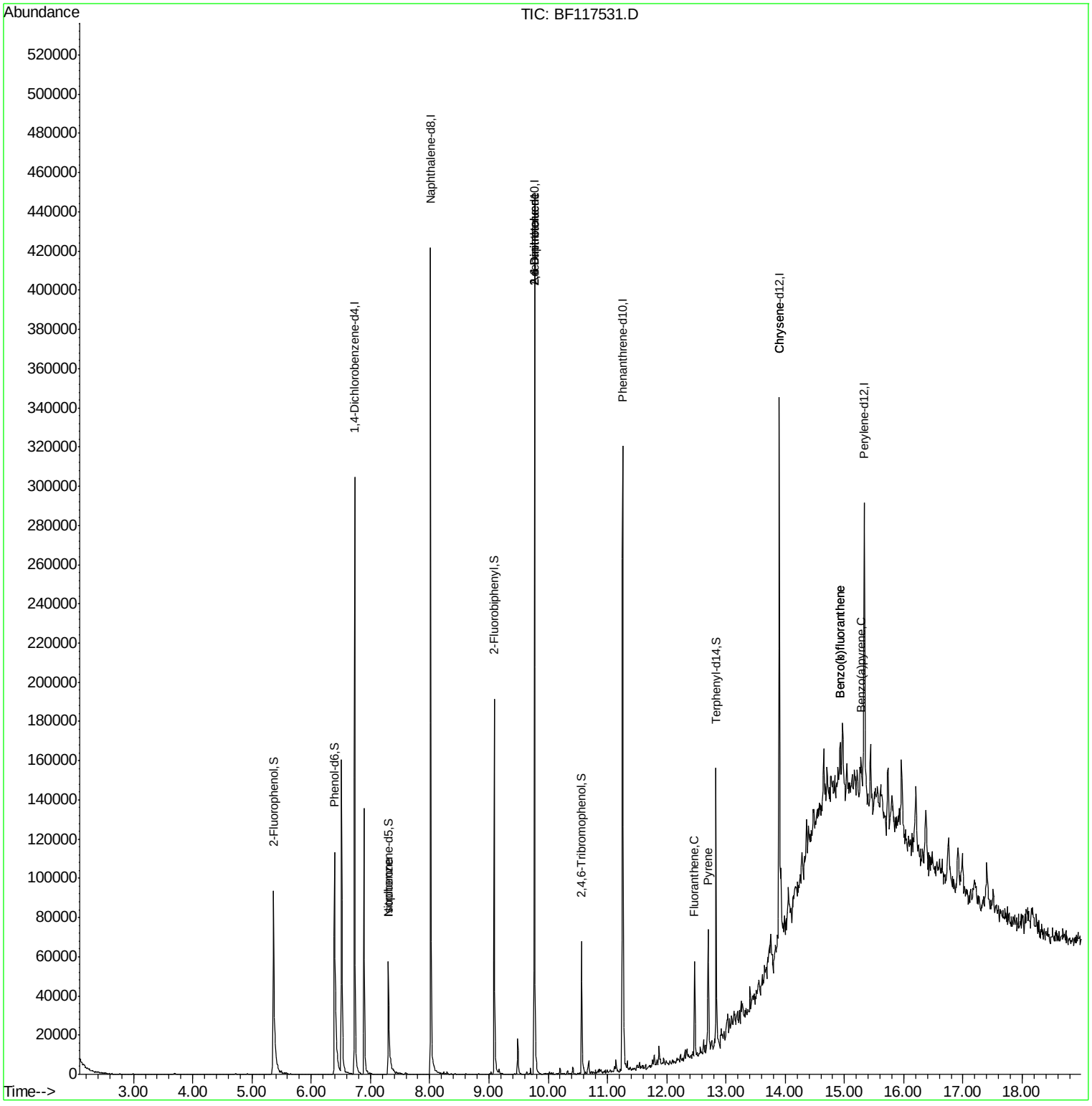
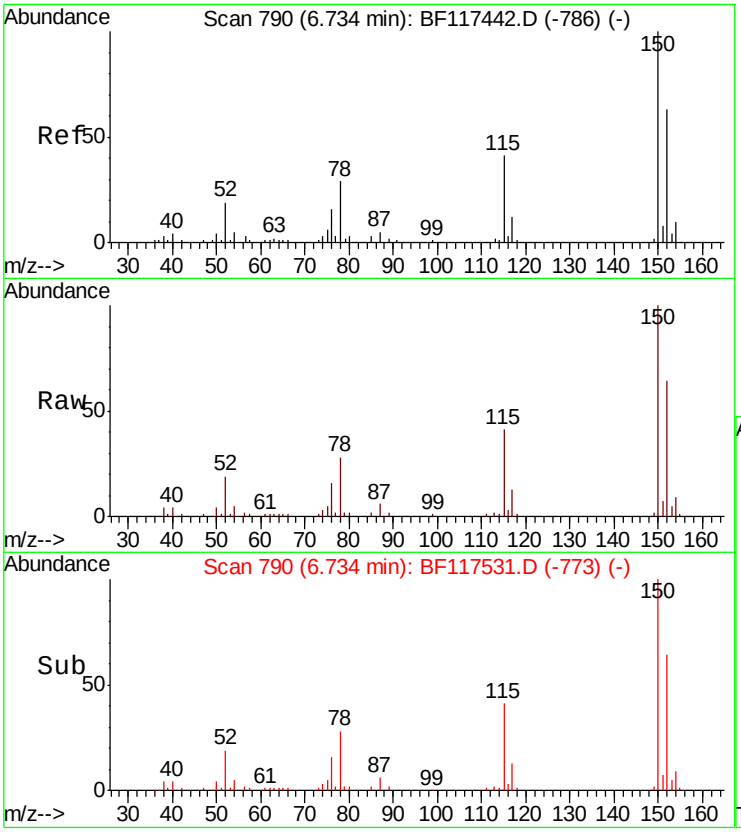
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 18:53:31 2019
Response via : Initial Calibration



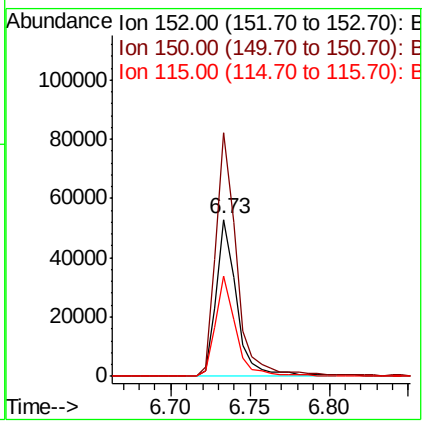


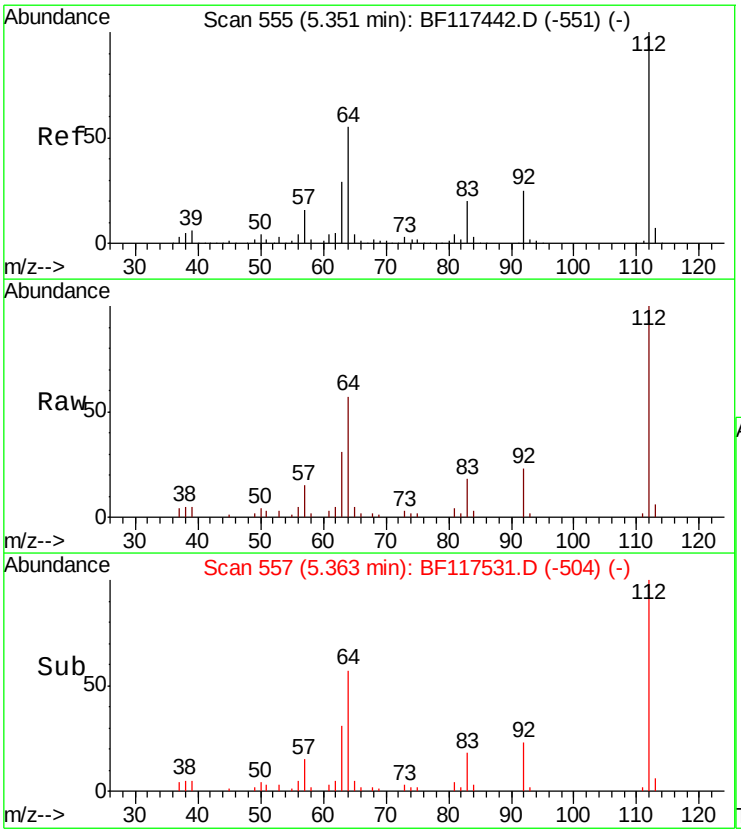
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Instrument :
BNA_F
ClientSampleId :
196-00-(0-1)

Tgt Ion:152 Resp: 47741

Ion	Ratio	Lower	Upper
152	100		
150	155.2	126.8	190.2
115	64.0	51.6	77.4

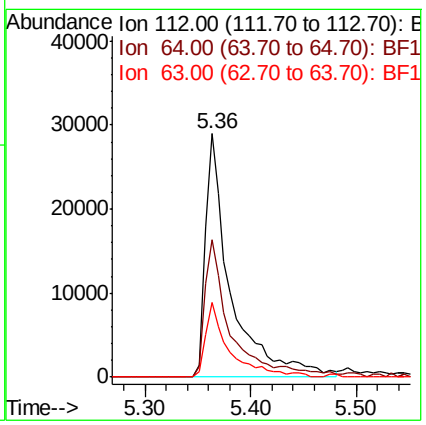


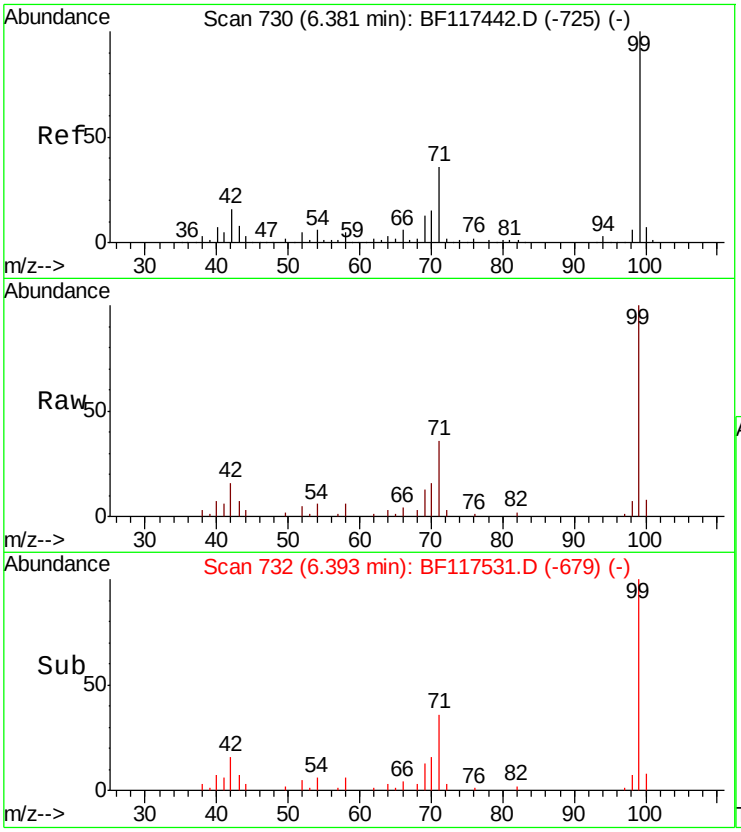


#5
2-Fluorophenol
Concen: 15.031 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Tgt Ion:112 Resp: 48235

Ion	Ratio	Lower	Upper
112	100		
64	56.6	44.1	66.1
63	30.8	23.4	35.2



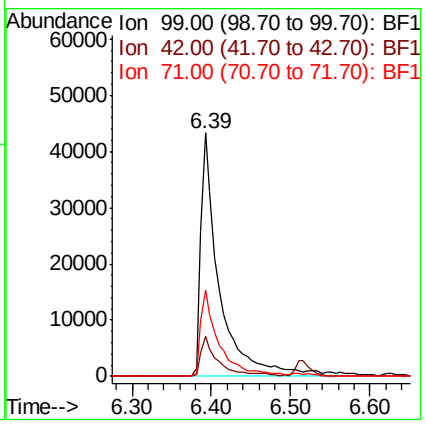


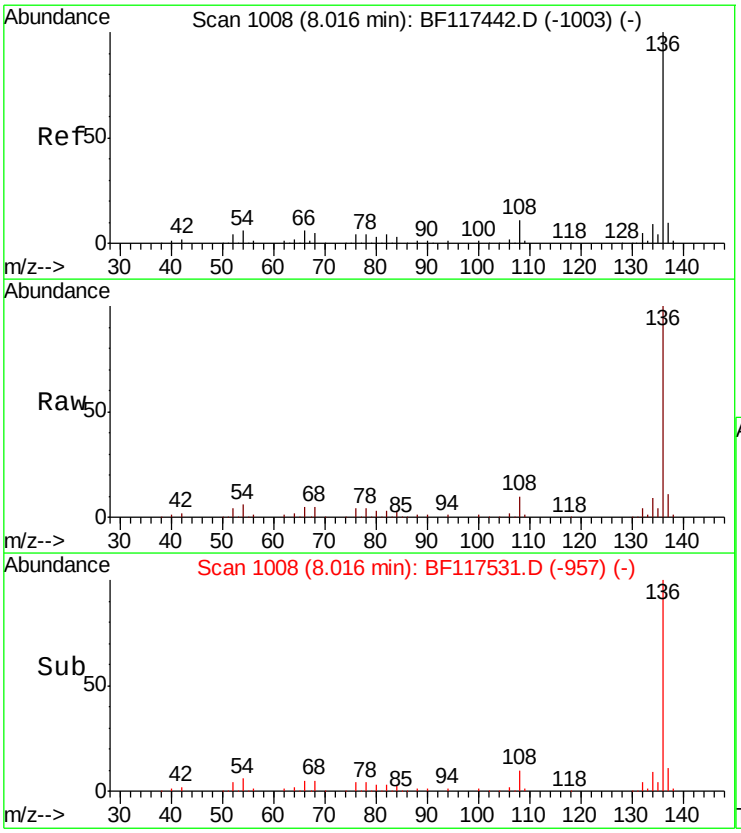
#7
Phenol-d6
Concen: 16.558 ng
RT: 6.39 min Scan# 732
Delta R.T. 0.01 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Instrument :
BNA_F
ClientSampleId :
196-00-(0-1)

Tgt Ion: 99 Resp: 71365

Ion	Ratio	Lower	Upper
99	100		
42	16.5	12.8	19.2
71	35.6	28.6	43.0

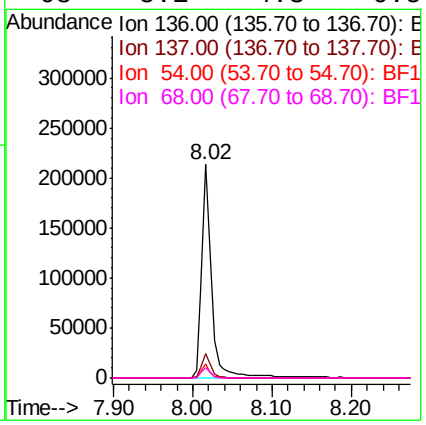


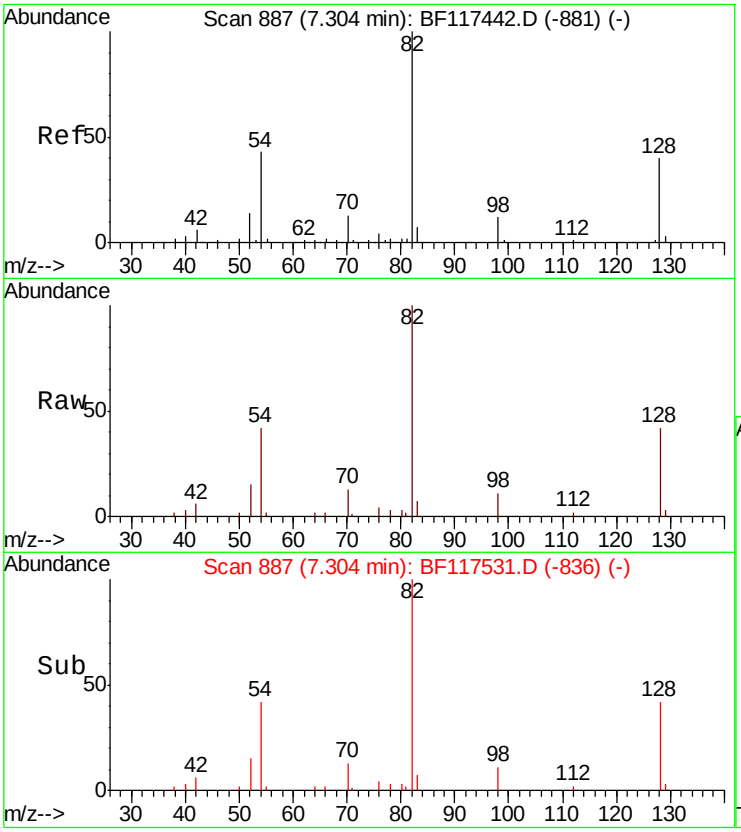


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Tgt Ion:136 Resp: 196438

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.2	12.4
54	6.4	4.5	6.7
68	5.1	4.3	6.5



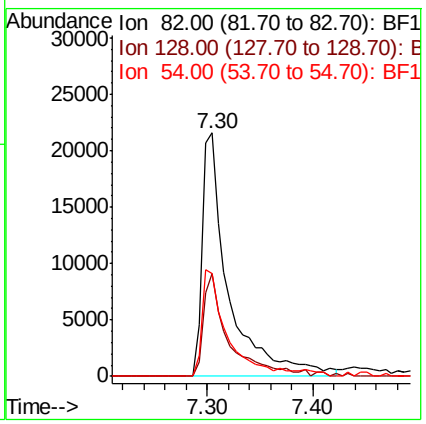


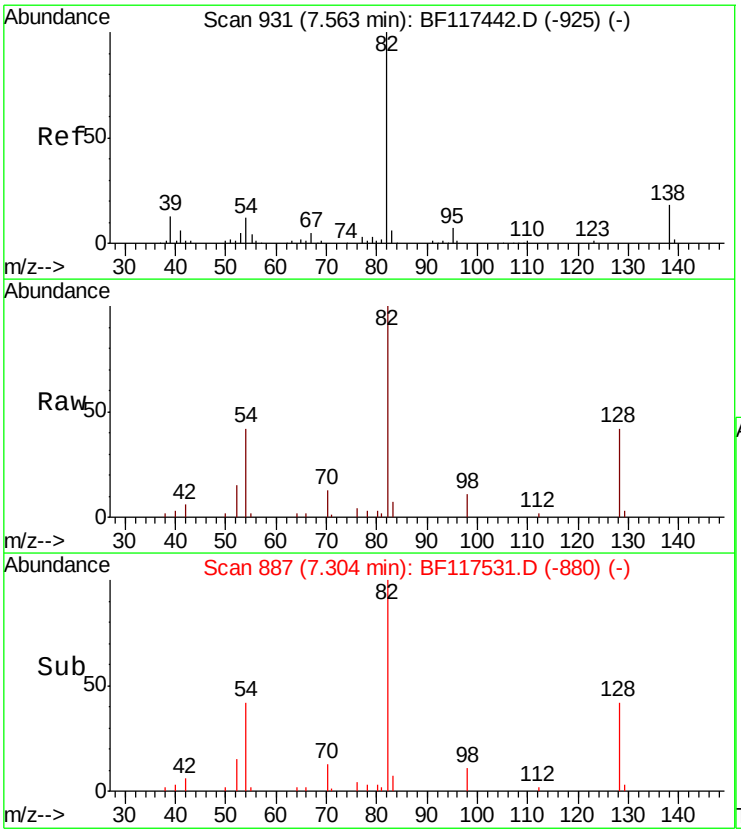
#23
Nitrobenzene-d5
Concen: 9.380 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.00 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Instrument :
BNA_F
ClientSampleId :
196-00-(0-1)

Tgt Ion: 82 Resp: 37322

Ion	Ratio	Lower	Upper
82	100		
128	42.1	32.2	48.2
54	42.0	34.2	51.2

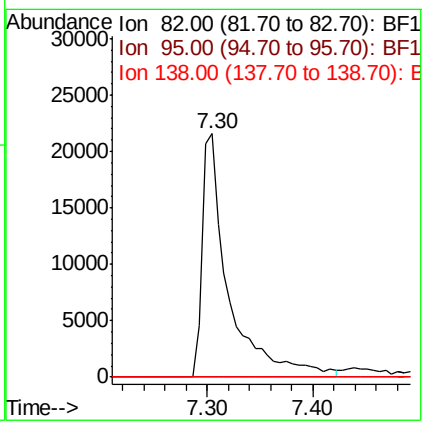


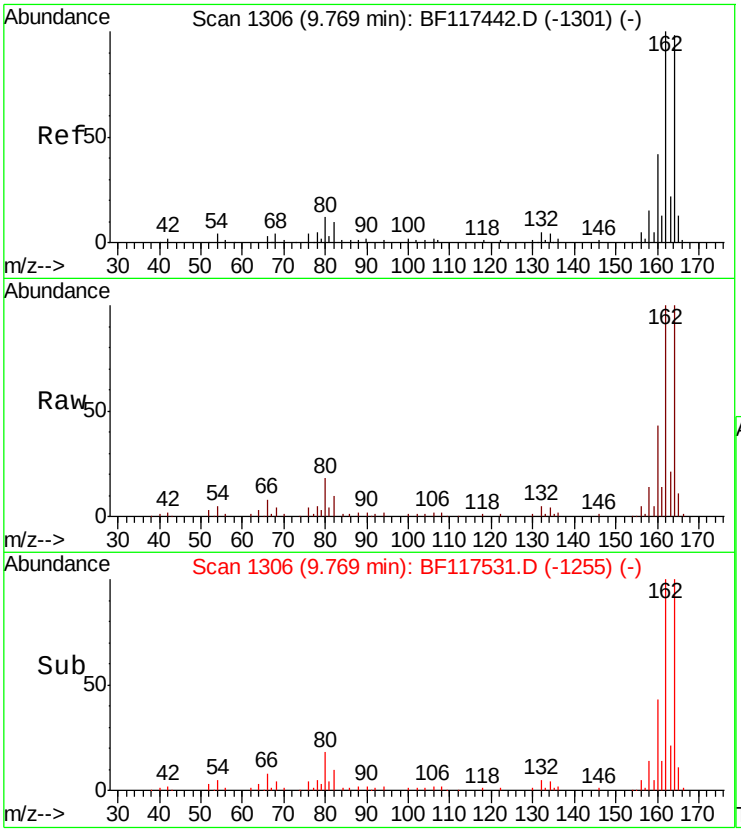


#25
Isophorone
Concen: 5.422 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.26 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Tgt Ion: 82 Resp: 37322

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.0#
138	0.0	14.2	21.2#



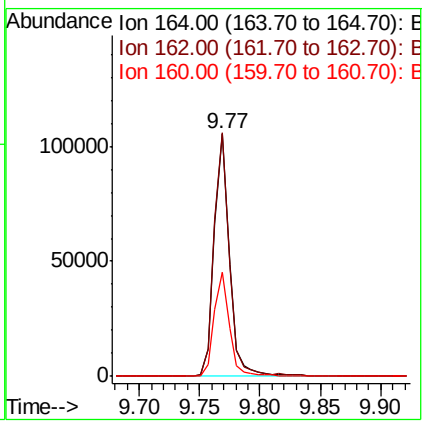


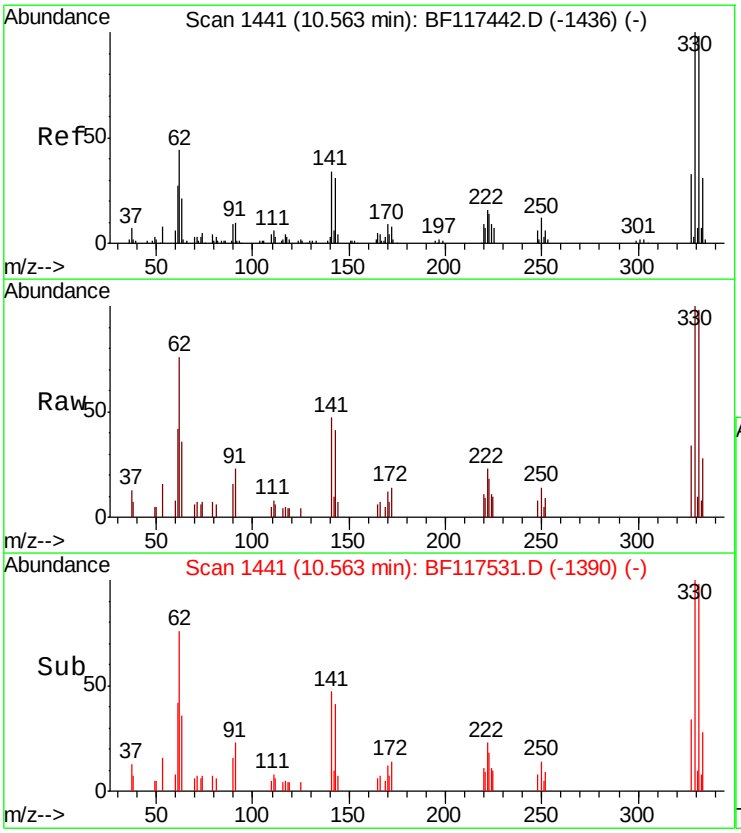
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Instrument :
BNA_F
ClientSampleId :
196-00-(0-1)

Tgt Ion:164 Resp: 91671

Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.8	122.6
160	42.8	34.4	51.6

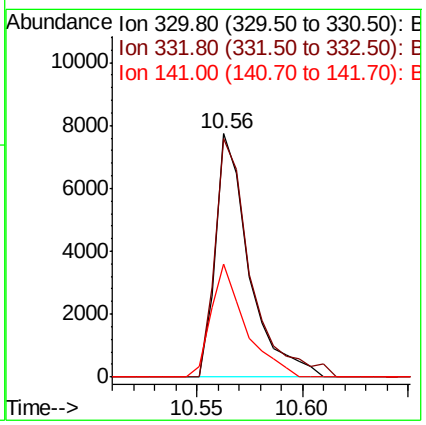


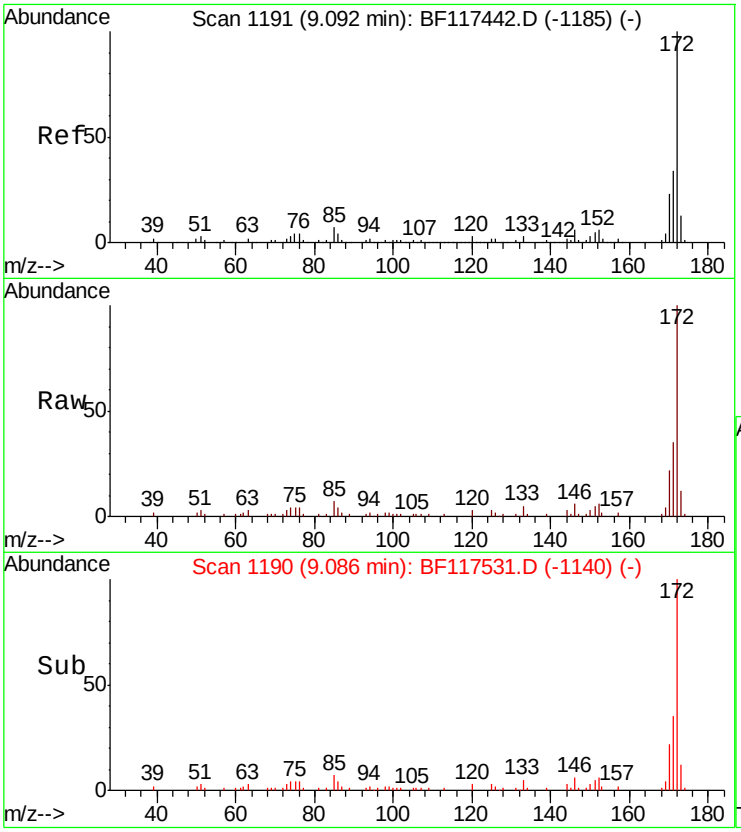


#42
2,4,6-Tribromophenol
Concen: 10.757 ng
RT: 10.56 min Scan# 1441
Delta R.T. 0.00 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Tgt Ion:330 Resp: 8532

Ion	Ratio	Lower	Upper
330	100		
332	103.8	78.5	117.7
141	47.6	37.0	55.6



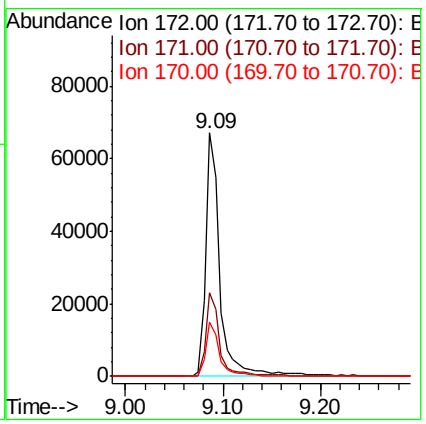


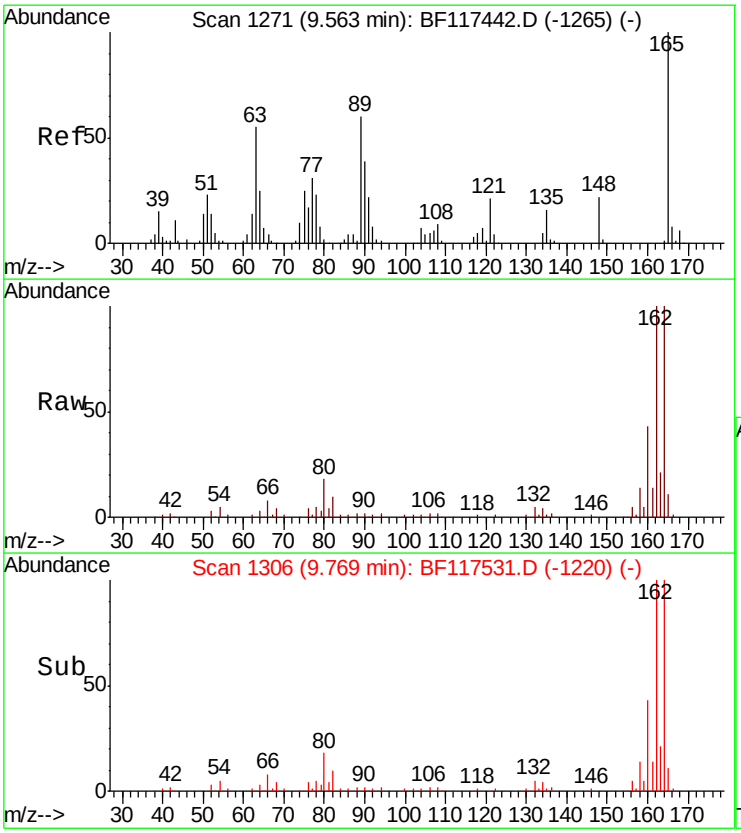
#45
2-Fluorobiphenyl
Concen: 10.391 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Instrument :
BNA_F
ClientSampleId :
196-00-(0-1)

Tgt Ion:172 Resp: 67603

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.5	41.3
170	22.5	18.6	27.8

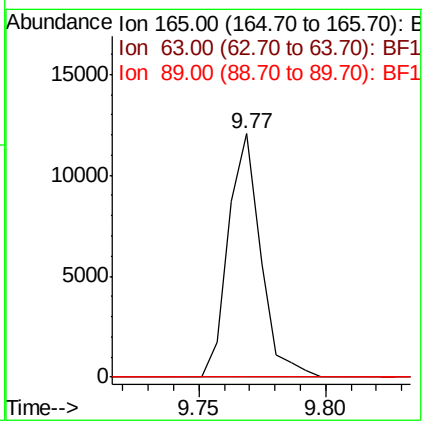


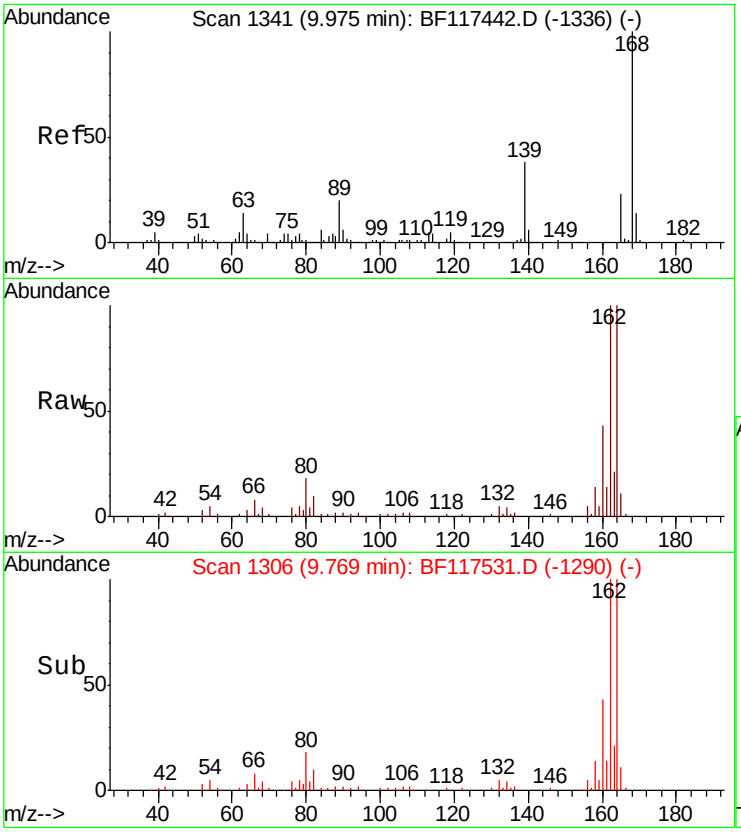


#51
2,6-Dinitrotoluene
Concen: 7.840 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.21 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Tgt Ion:165 Resp: 10692

Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.8	65.8#
89	0.0	47.6	71.4#



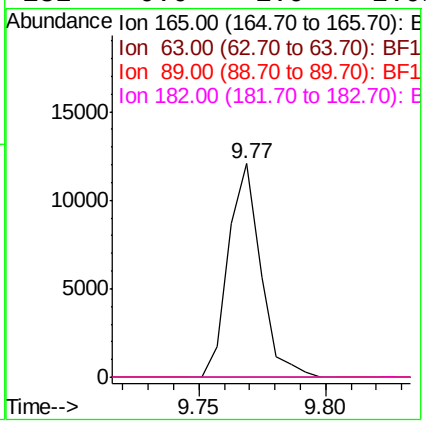


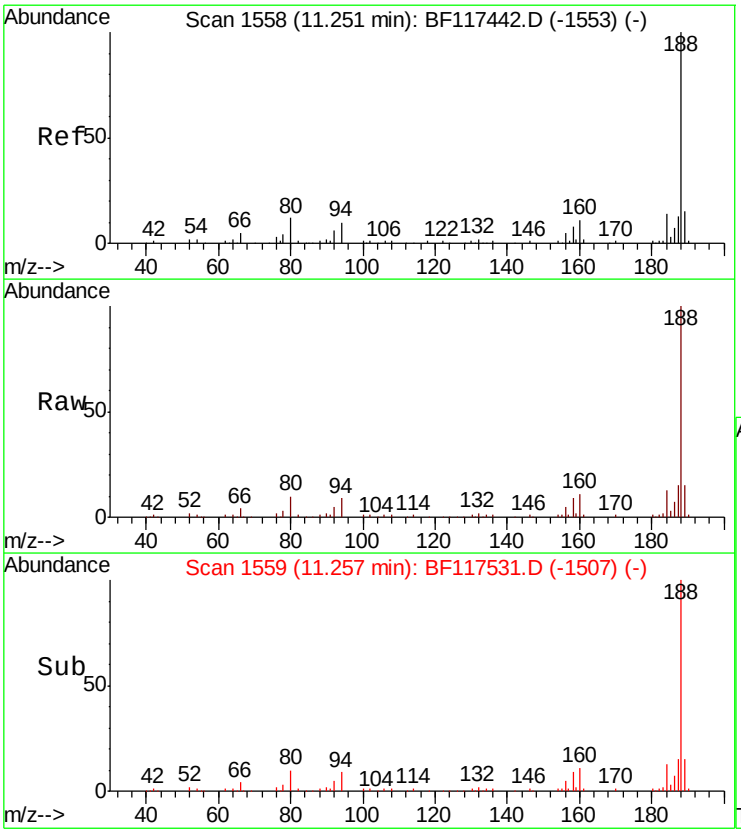
#57
2,4-Dinitrotoluene
Concen: 5.897 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.21 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Instrument :
BNA_F
ClientSampleId :
196-00-(0-1)

Tgt Ion:165 Resp: 10692

Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.4	77.0#
89	0.0	69.9	104.9#
182	0.0	1.9	2.9#

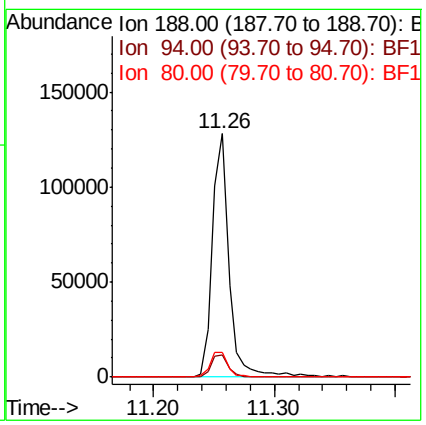


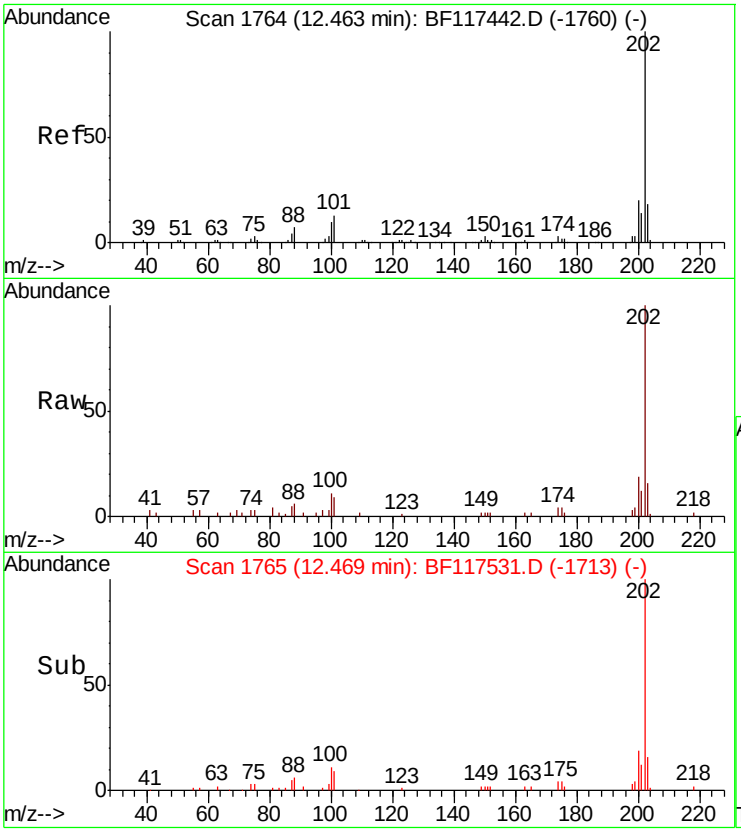


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. 0.01 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Tgt Ion:188 Resp: 121321

Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.0	12.0
80	9.9	9.5	14.3



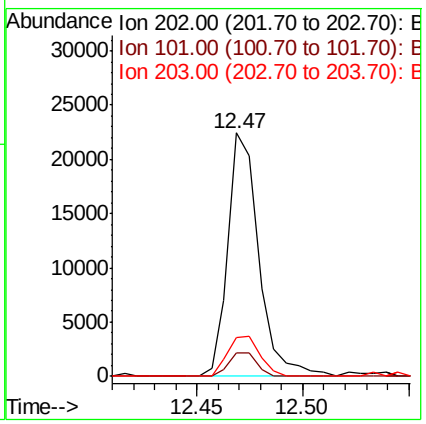


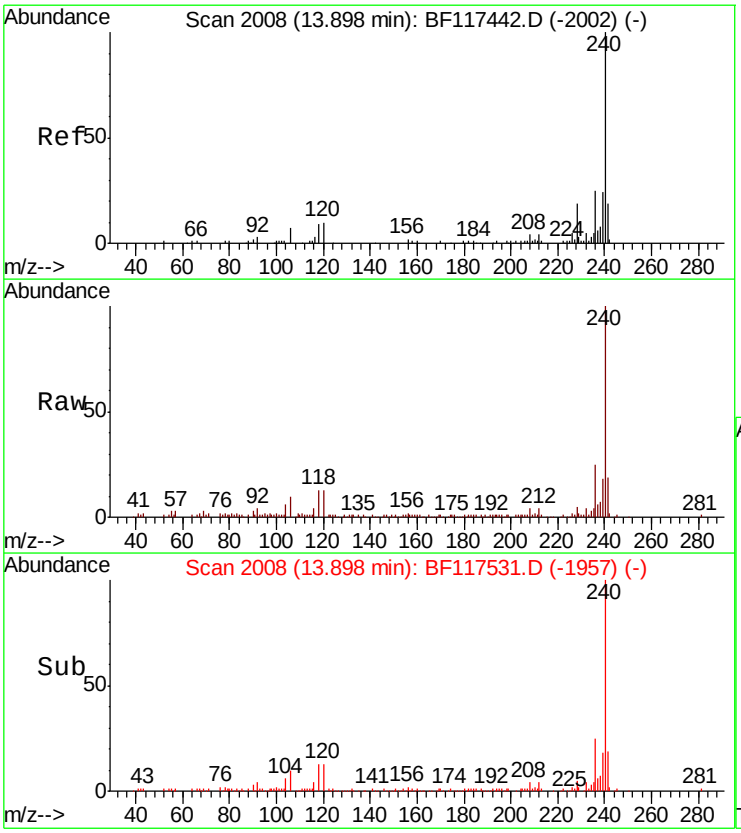
#75
Fluoranthene
Concen: 3.220 ng
RT: 12.47 min Scan# 1765
Delta R.T. 0.01 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Instrument :
BNA_F
ClientSampleId :
196-00-(0-1)

Tgt Ion:202 Resp: 22711

Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	32.7
203	16.2	0.0	37.6

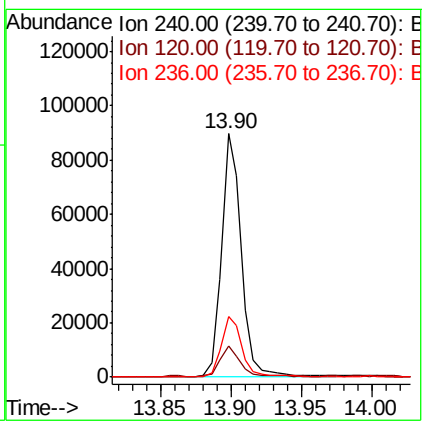


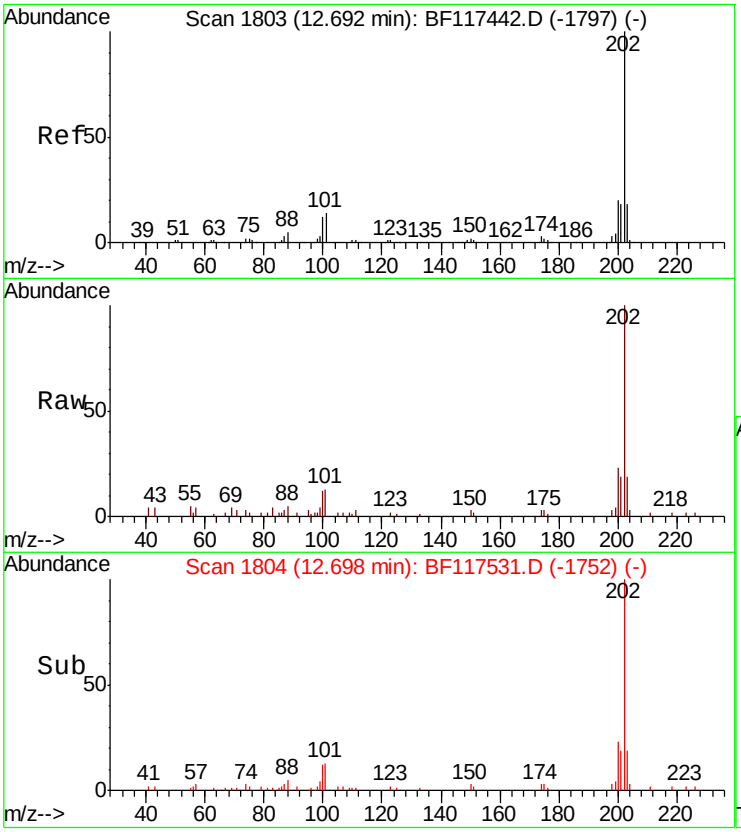


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Tgt Ion:240 Resp: 87311

Ion	Ratio	Lower	Upper
240	100		
120	12.9	8.4	12.6#
236	24.8	20.0	30.0



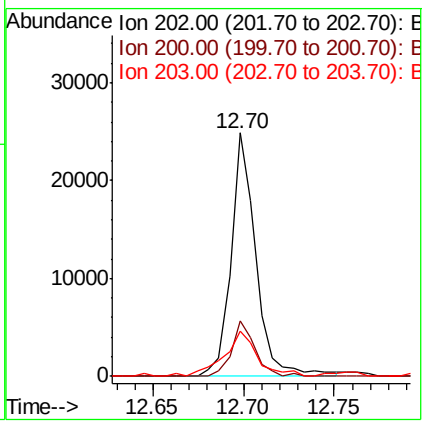


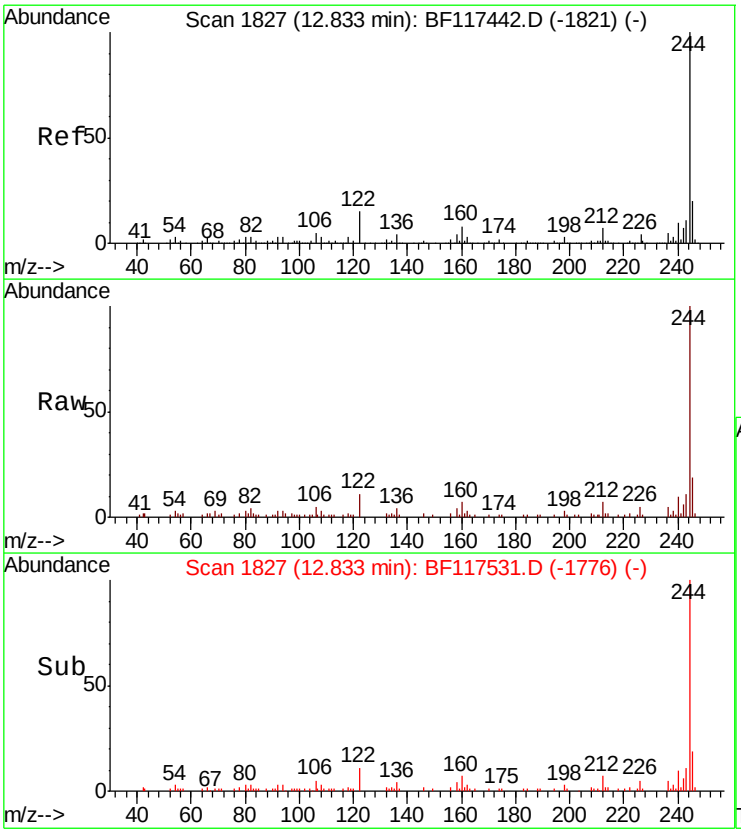
#78
Pyrene
Concen: 3.179 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Instrument :
BNA_F
ClientSampleId :
196-00-(0-1)

Tgt Ion:202 Resp: 23839

Ion	Ratio	Lower	Upper
202	100		
200	22.8	16.2	24.2
203	18.7	14.0	21.0

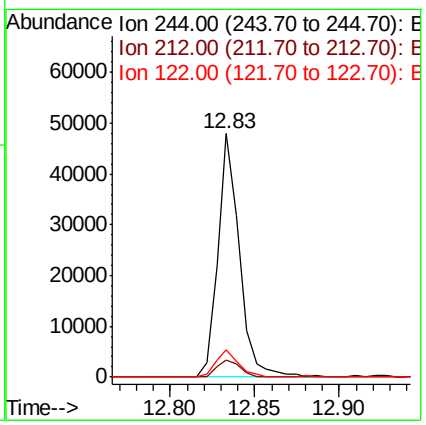


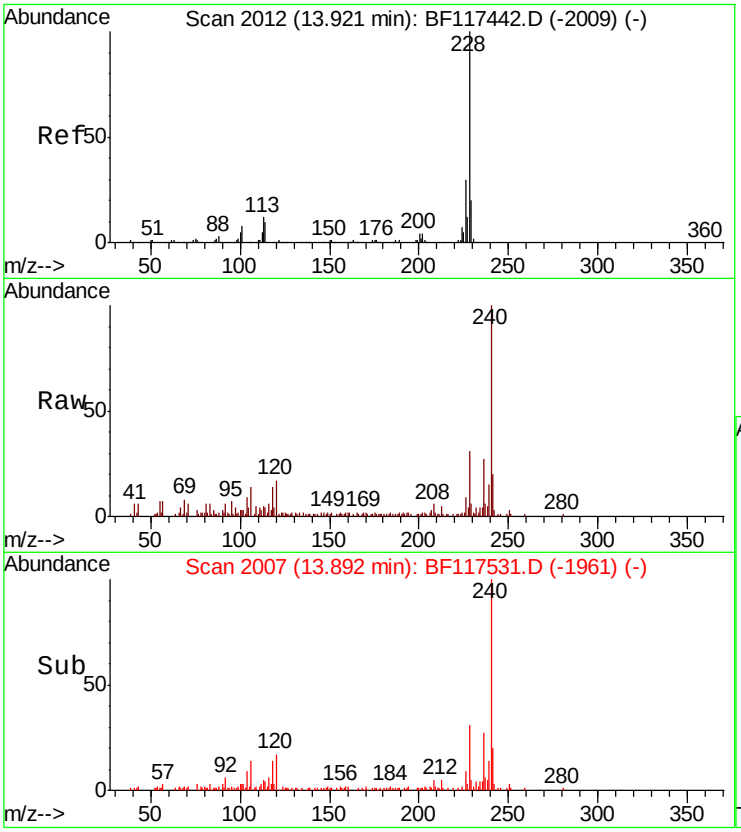


#79
Terphenyl-d14
Concen: 7.961 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Tgt Ion:244 Resp: 42615

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	11.4	11.8	17.8#



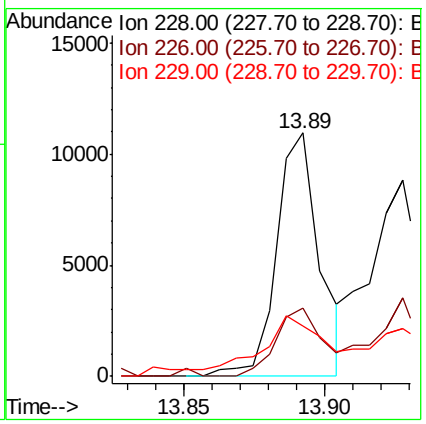


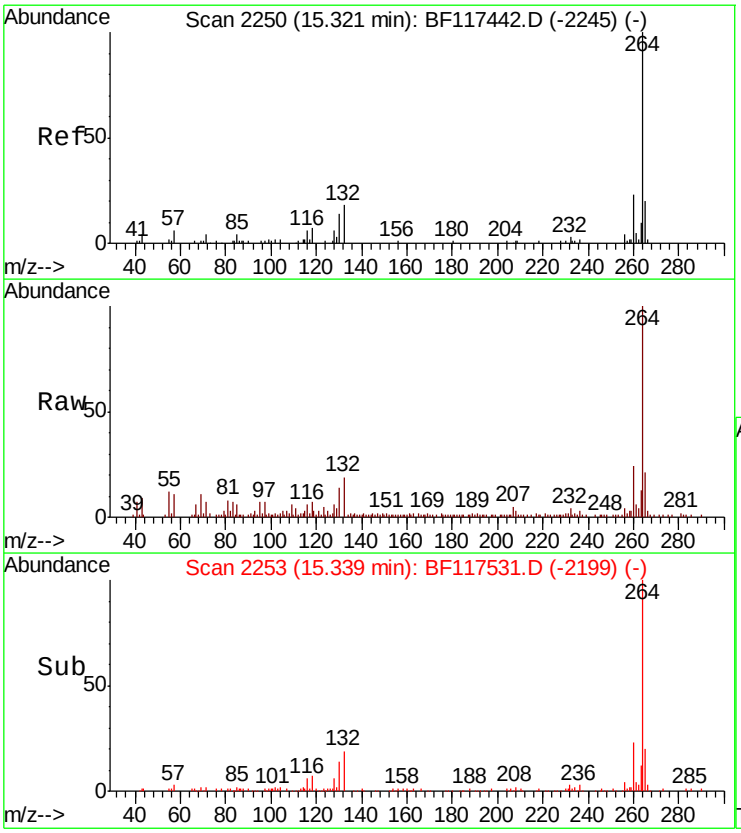
#83
Chrysene
Concen: 2.010 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.03 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Instrument :
BNA_F
ClientSampleId :
196-00-(0-1)

Tgt Ion:228 Resp: 11601

Ion	Ratio	Lower	Upper
228	100		
226	28.1	23.9	35.9
229	20.9	15.8	23.6

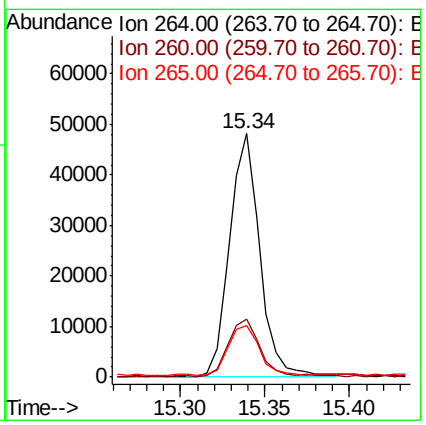


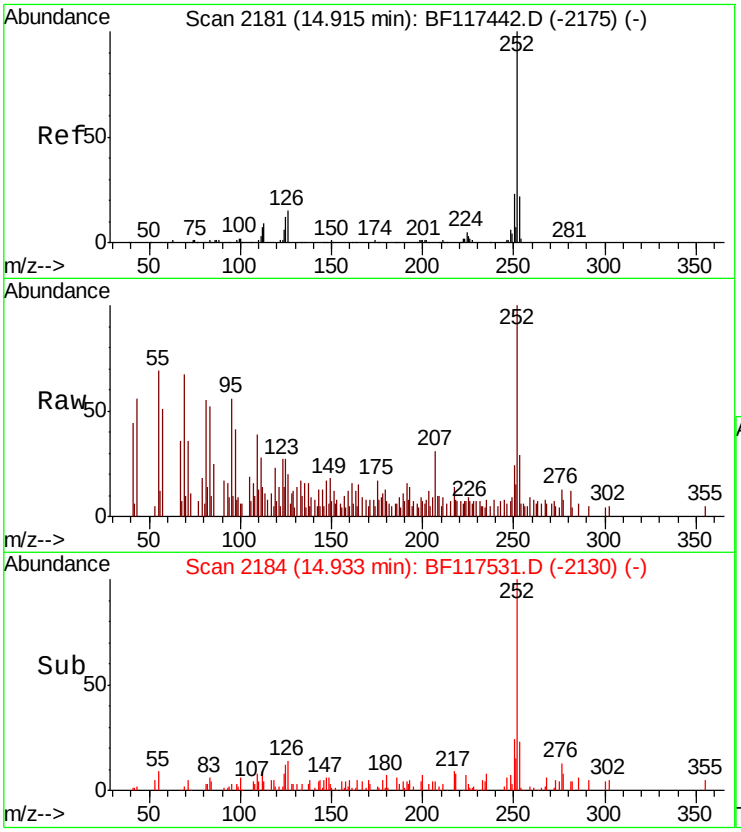


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.02 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Tgt Ion:264 Resp: 60108

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.4	27.6
265	21.1	16.1	24.1



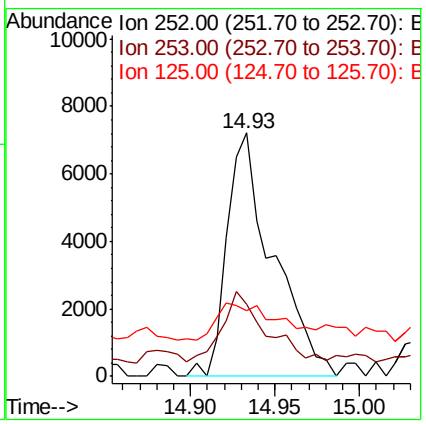


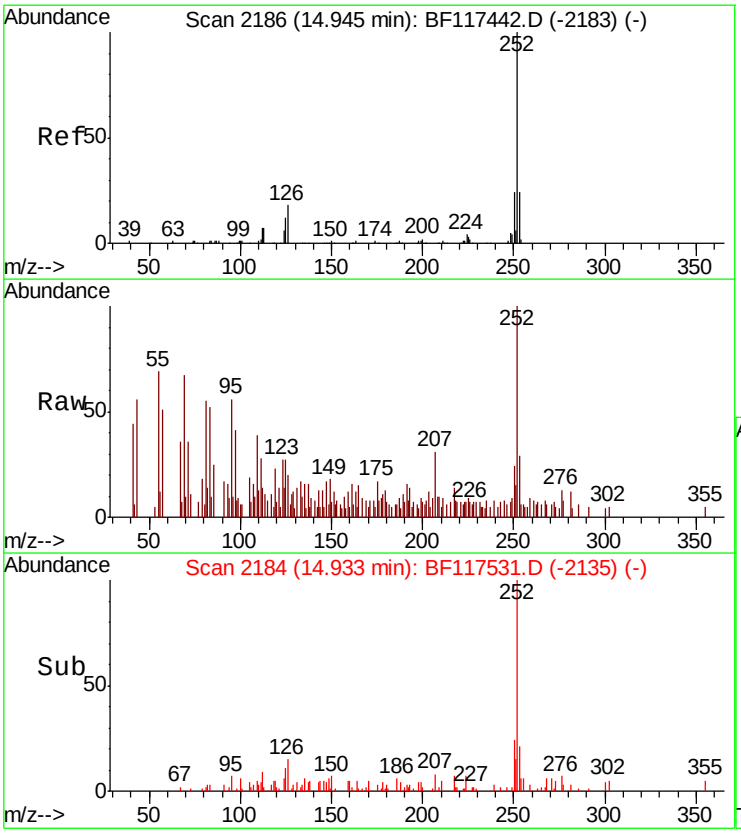
#88
Benzo(b)fluoranthene
Concen: 3.829 ng
RT: 14.93 min Scan# 2184
Delta R.T. 0.02 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Instrument :
BNA_F
ClientSampleId :
196-00-(0-1)

Tgt Ion:252 Resp: 13592

Ion	Ratio	Lower	Upper
252	100		
253	29.5	17.8	26.6#
125	26.9	9.9	14.9#

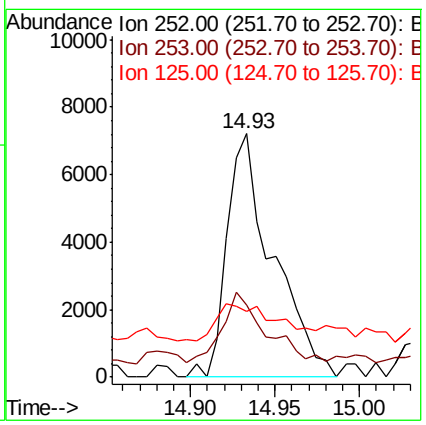


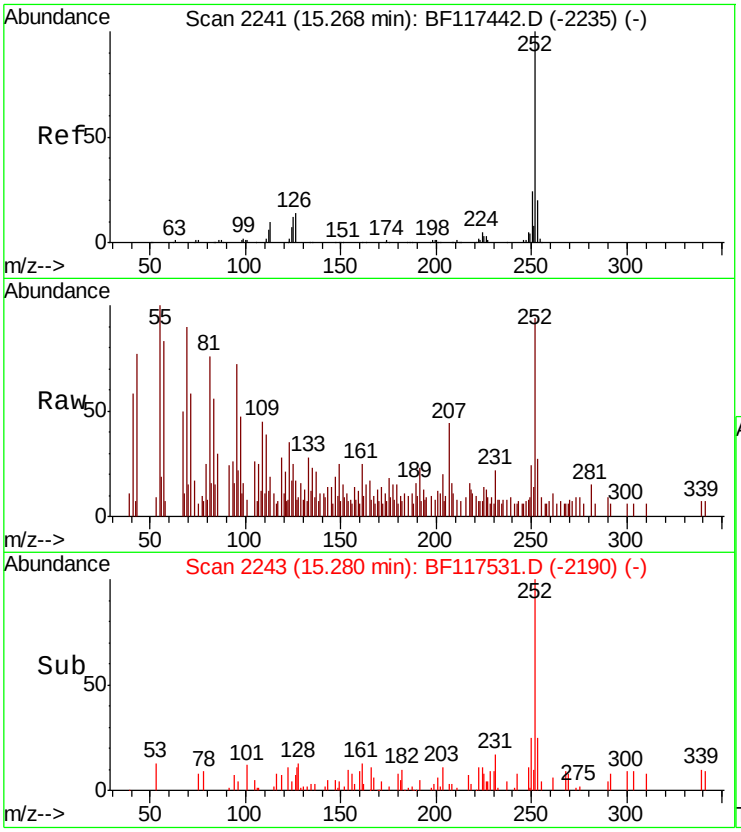


#89
Benzo(k)fluoranthene
Concen: 3.736 ng
RT: 14.93 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Tgt Ion:252 Resp: 13592

Ion	Ratio	Lower	Upper
252	100		
253	29.5	18.0	27.0#
125	26.9	8.9	13.3#





#90
Benzo(a)pyrene
Concen: 2.214 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117531.D
Acq: 25 Oct 2019 00:39

Instrument :
BNA_F
ClientSampleId :
196-00-(0-1)

Tgt Ion:252 Resp: 7146

Ion	Ratio	Lower	Upper
252	100		
253	28.6	16.3	24.5#
125	26.6	9.2	13.8#