Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
Data File : BF117469.D
Acq On : 22 Oct 2019 1:09
Operator : JU
Sample : K5150-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-101819

Manual Integrations APPROVED
mohammad
10/22/2019 3:29:34 PM

Quant Time: Oct 22 04:27:57 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	38145	20.00	ng		0.00
21) Naphthalene-d8	8.01	136	160034	20.00	ng		0.00
39) Acenaphthene-d10	9.76	164	81761	20.00	ng		0.00
64) Phenanthrene-d10	11.25	188	119987	20.00	ng		0.00
76) Chrysene-d12	13.89	240	81603	20.00	ng		0.00
87) Perylene-d12	15.32	264	89196	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.35	112	107507	41.93	ng		0.00
7) Phenol-d6	6.37	99	152595	44.31	ng		0.00
23) Nitrobenzene-d5	7.29	82	93649	28.89	ng		-0.01
42) 2,4,6-Tribromophenol	10.55	330	29842	42.18	ng		-0.01
45) 2-Fluorobiphenyl	9.09	172	173347	29.87	ng		0.00
79) Terphenyl-d14	12.83	244	140446	28.07	ng		0.00
Target Compounds							Qvalue
50) Dimethylphthalate	9.48	163	24264	4.163	ng		98
71) Phenanthrene	11.27	178	59556	8.548	ng		99
72) Anthracene	11.33	178	17042m	2.384	ng		
75) Fluoranthene	12.46	202	121401	17.406	ng		98
78) Pyrene	12.69	202	105603	15.066	ng		99
81) Benzo(a)anthracene	13.88	228	55569	10.095	ng		99
83) Chrysene	13.92	228	50206	9.307	ng		99
86) Indeno(1,2,3-cd)pyrene	16.73	276	19131	4.750	ng	#	92
88) Benzo(b)fluoranthene	14.92	252	62312m	11.830	ng		
89) Benzo(k)fluoranthene	14.94	252	23121m	4.283	ng		
90) Benzo(a)pyrene	15.27	252	45157	9.430	ng	#	93
92) Benzo(g,h,i)perylene	17.17	276	18418	4.701	ng	#	88

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

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Misc :
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QLast Update : Fri Oct 18 18:53:31 2019
Response via : Initial Calibration

Instrument :
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ClientSampleId :
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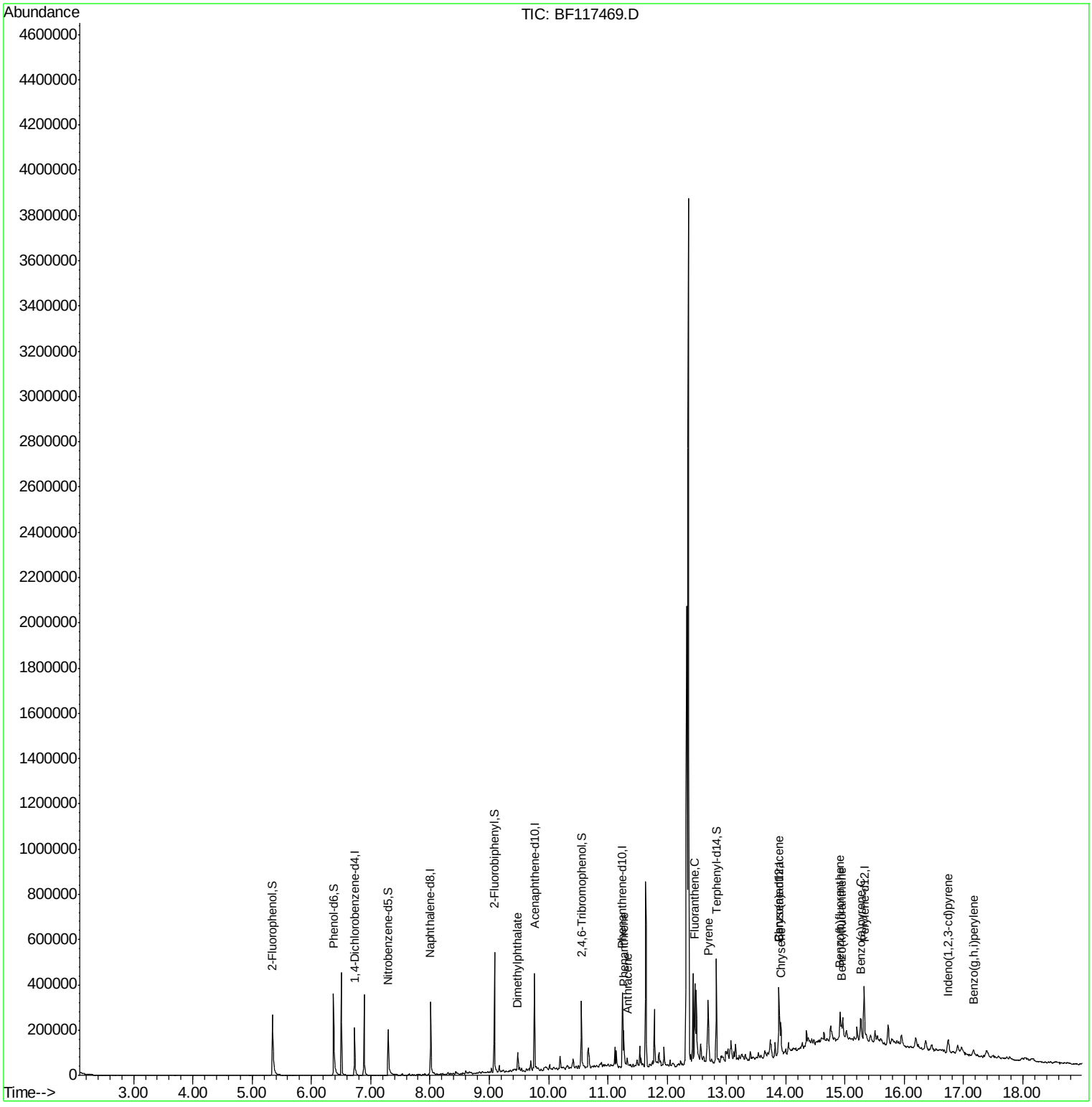
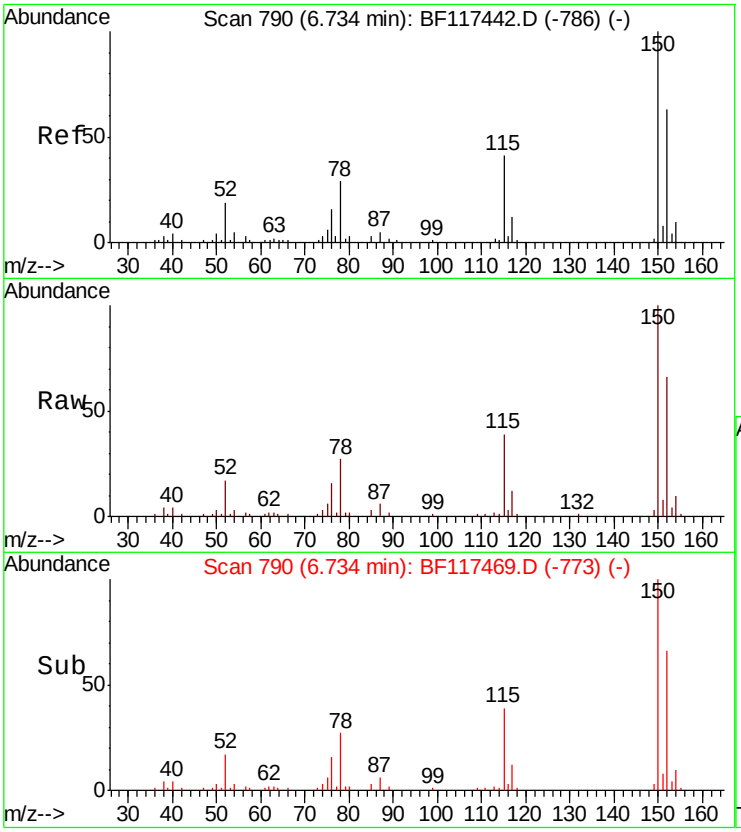
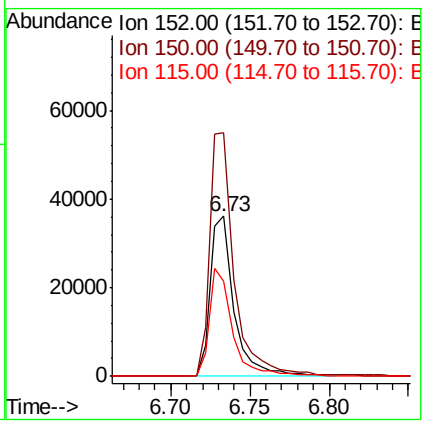




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117469.D
Acq: 22 Oct 2019 1:09

Tgt Ion:152 Resp: 38145

Ion	Ratio	Lower	Upper
152	100		
150	152.1	126.8	190.2
115	59.5	51.6	77.4



Instrument :
BNA_F
ClientSampleId :
PL-01-101819

Manual Integrations APPROVED
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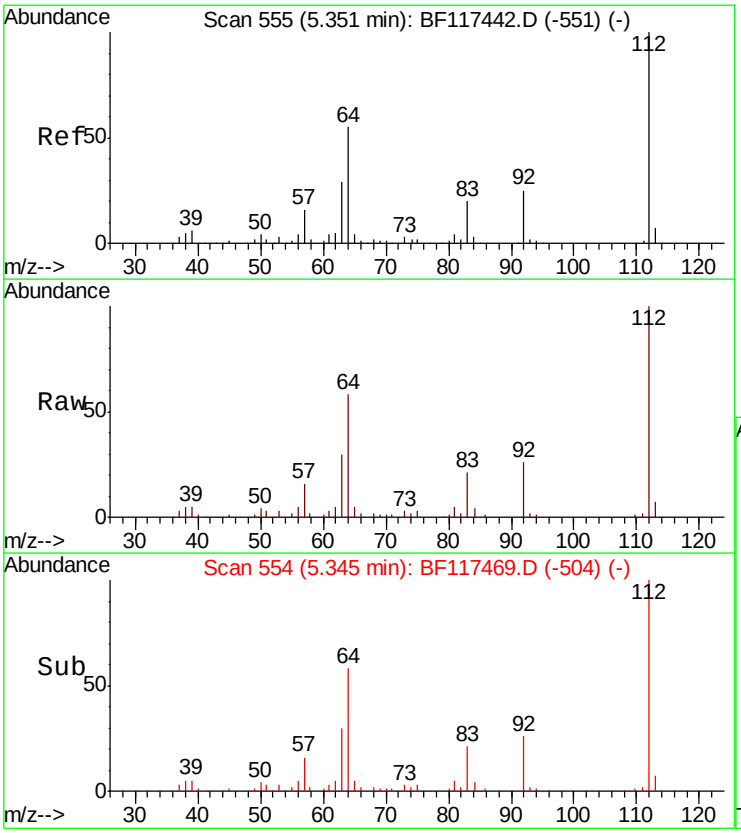
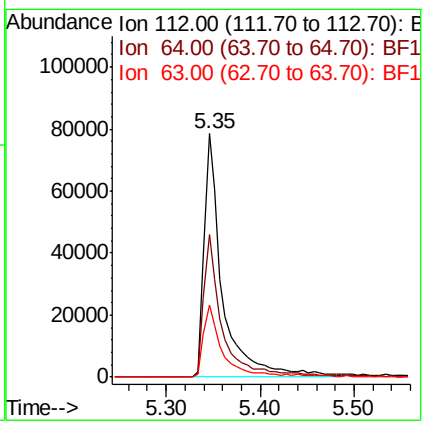
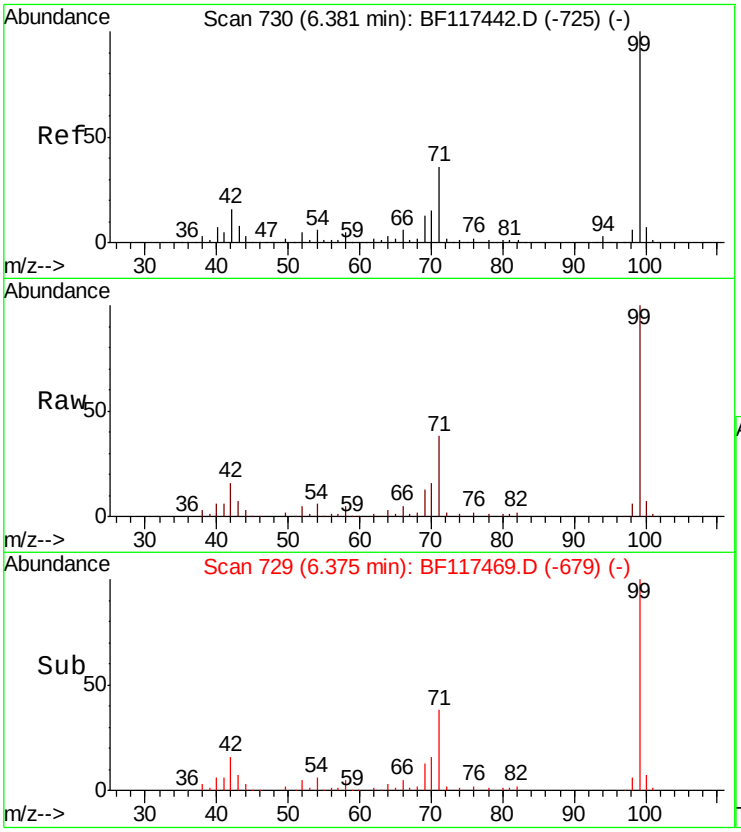


#5
2-Fluorophenol
Concen: 41.929 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF117469.D
Acq: 22 Oct 2019 1:09

Tgt Ion:112 Resp: 107507

Ion	Ratio	Lower	Upper
112	100		
64	58.4	44.1	66.1
63	29.8	23.4	35.2

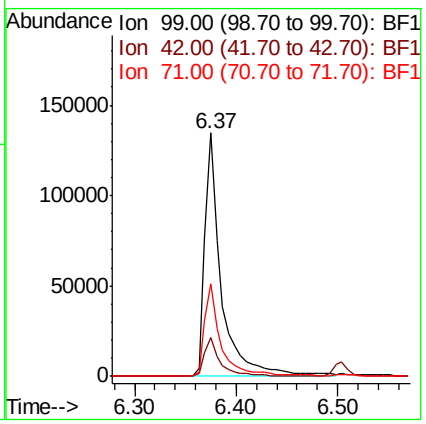




#7
Phenol-d6
Concen: 44.311 ng
RT: 6.37 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF117469.D
Acq: 22 Oct 2019 1:09

Tgt Ion: 99 Resp: 152595

Ion	Ratio	Lower	Upper
99	100		
42	15.9	12.8	19.2
71	37.8	28.6	43.0



Instrument :
BNA_F
ClientSampleId :
PL-01-101819

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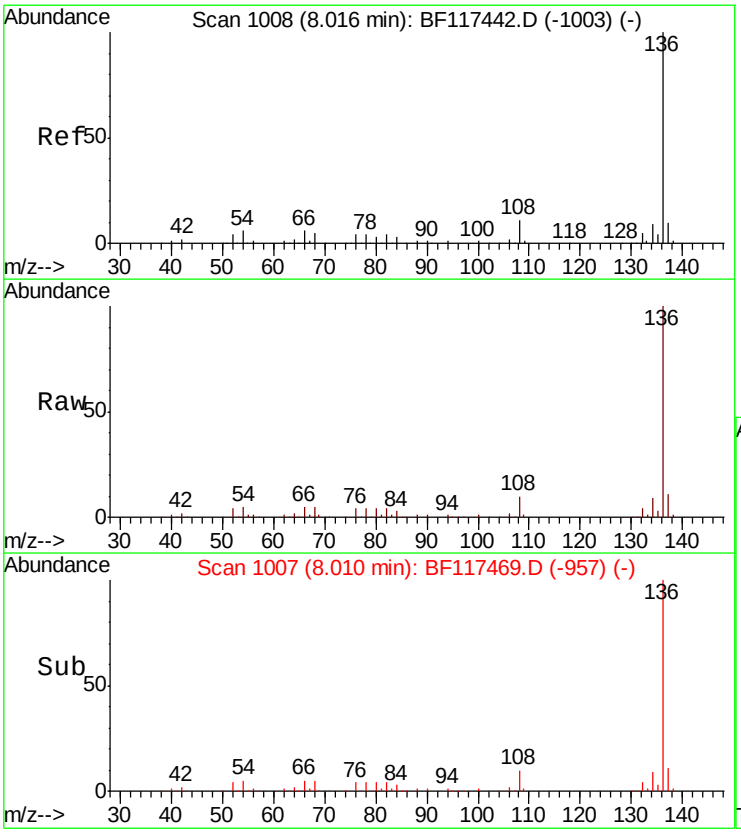
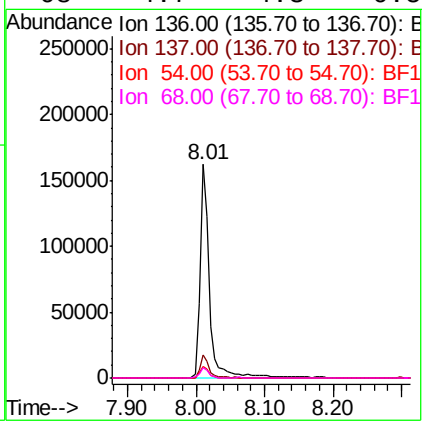
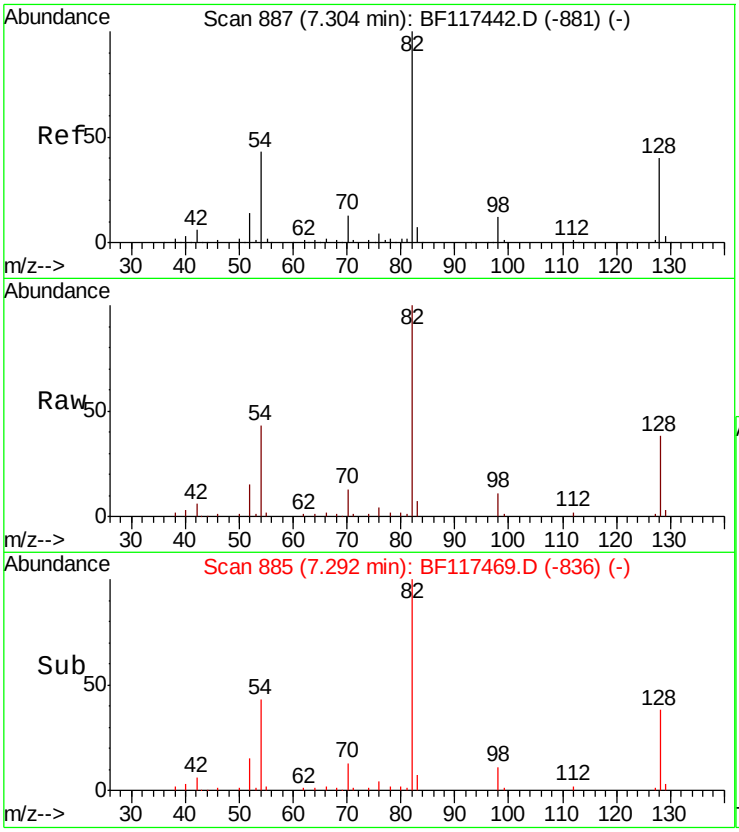


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117469.D
Acq: 22 Oct 2019 1:09

Tgt Ion:136 Resp: 160034

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.2	12.4
54	5.2	4.5	6.7
68	4.7	4.3	6.5

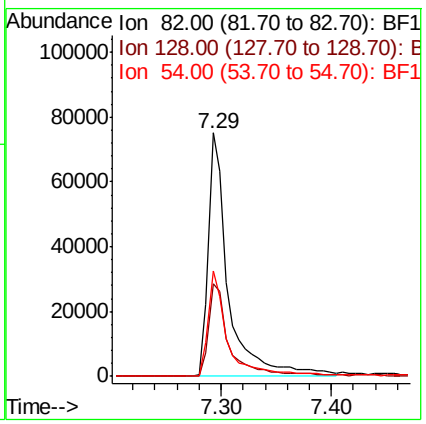




#23
Nitrobenzene-d5
Concen: 28.889 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117469.D
Acq: 22 Oct 2019 1:09

Tgt Ion: 82 Resp: 93649

Ion	Ratio	Lower	Upper
82	100		
128	38.3	32.2	48.2
54	43.1	34.2	51.2



Instrument :
BNA_F
ClientSampleId :
PL-01-101819

Manual Integrations APPROVED
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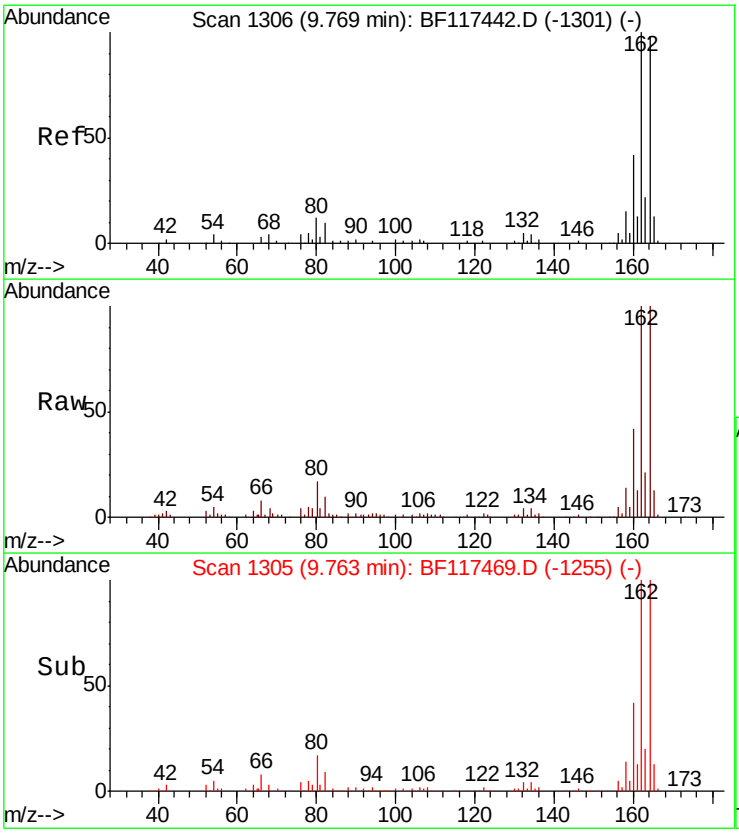
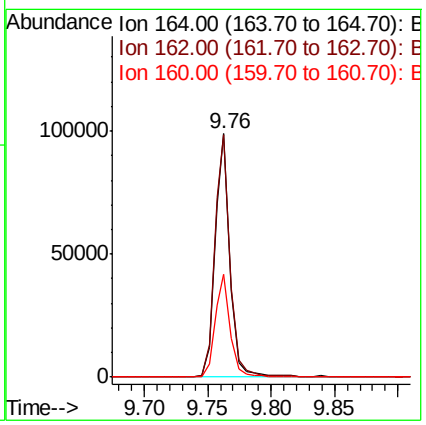
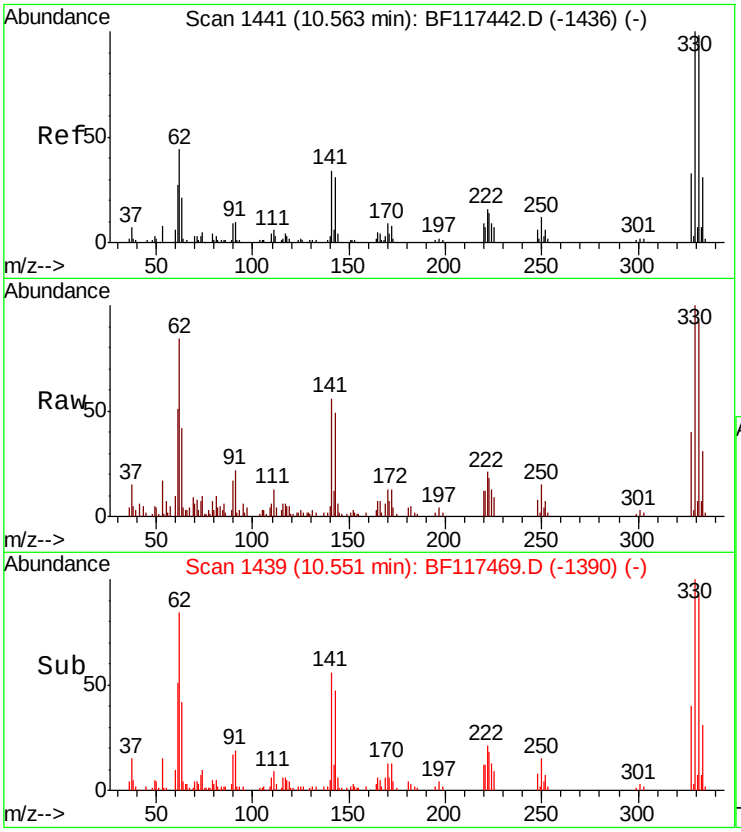


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117469.D
Acq: 22 Oct 2019 1:09

Tgt Ion:164 Resp: 81761

Ion	Ratio	Lower	Upper
164	100		
162	99.6	81.8	122.6
160	42.1	34.4	51.6

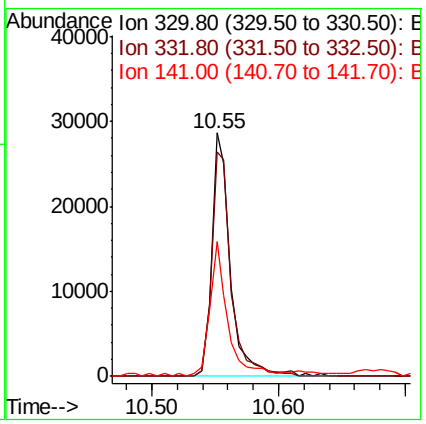




#42
2,4,6-Tribromophenol
Concen: 42.183 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF117469.D
Acq: 22 Oct 2019 1:09

Tgt Ion:330 Resp: 29842

Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.5	117.7
141	53.4	37.0	55.6



Instrument :
BNA_F
ClientSampleId :
PL-01-101819

Manual Integrations APPROVED
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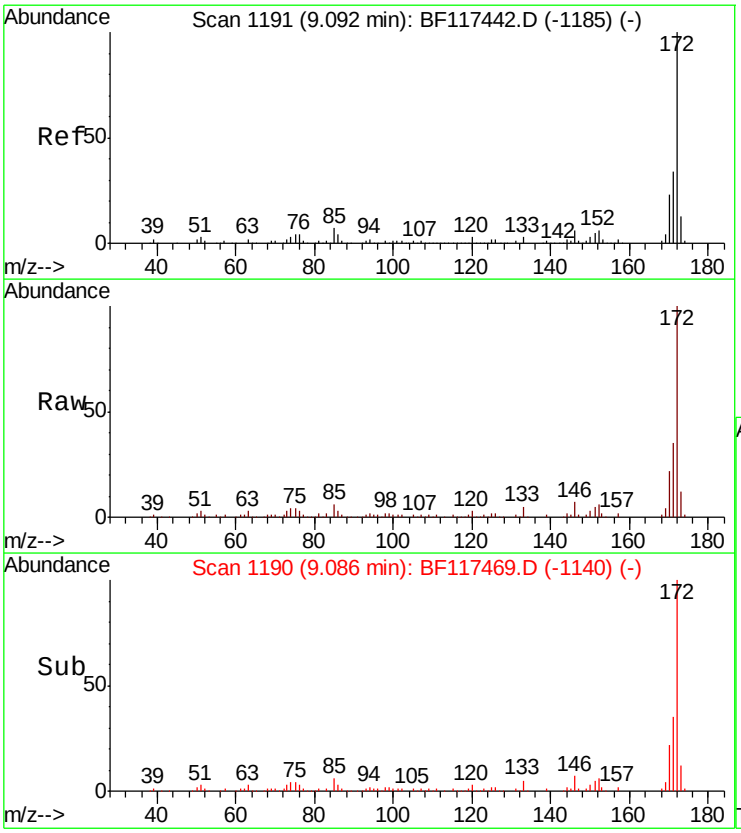
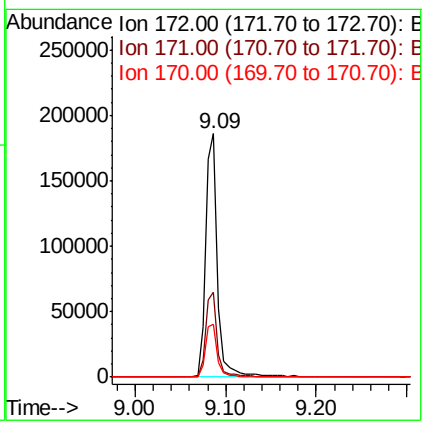
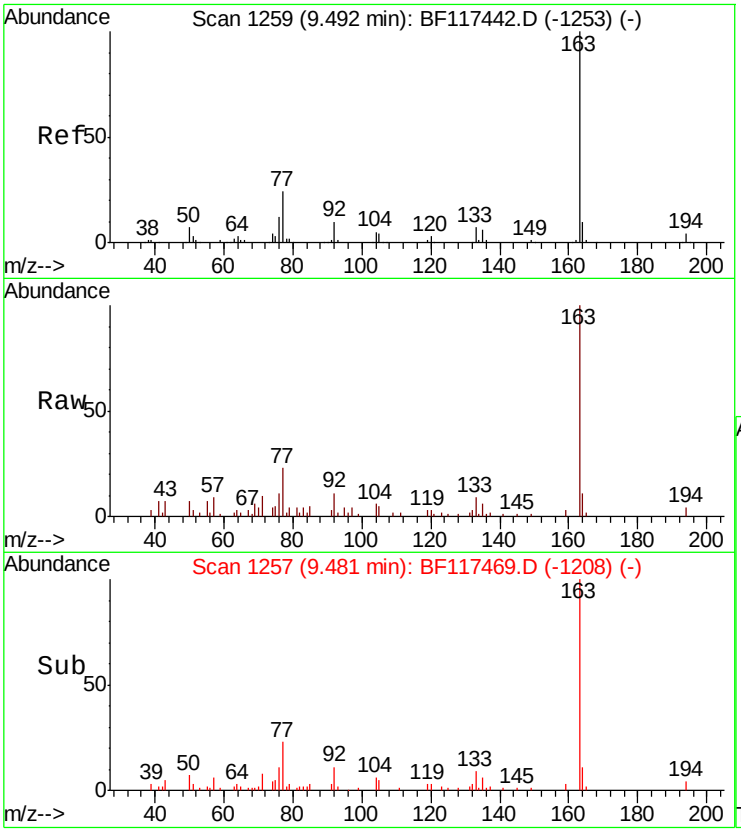


#45
2-Fluorobiphenyl
Concen: 29.873 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117469.D
Acq: 22 Oct 2019 1:09

Tgt Ion:172 Resp: 173347

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.5	41.3
170	21.8	18.6	27.8

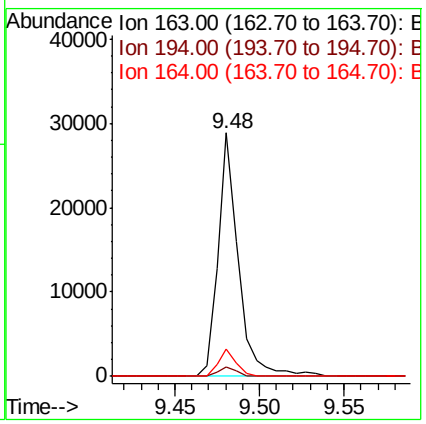




#50
Dimethylphthalate
Concen: 4.163 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117469.D
Acq: 22 Oct 2019 1:09

Tgt Ion:163 Resp: 24264

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.9	4.3
164	11.2	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
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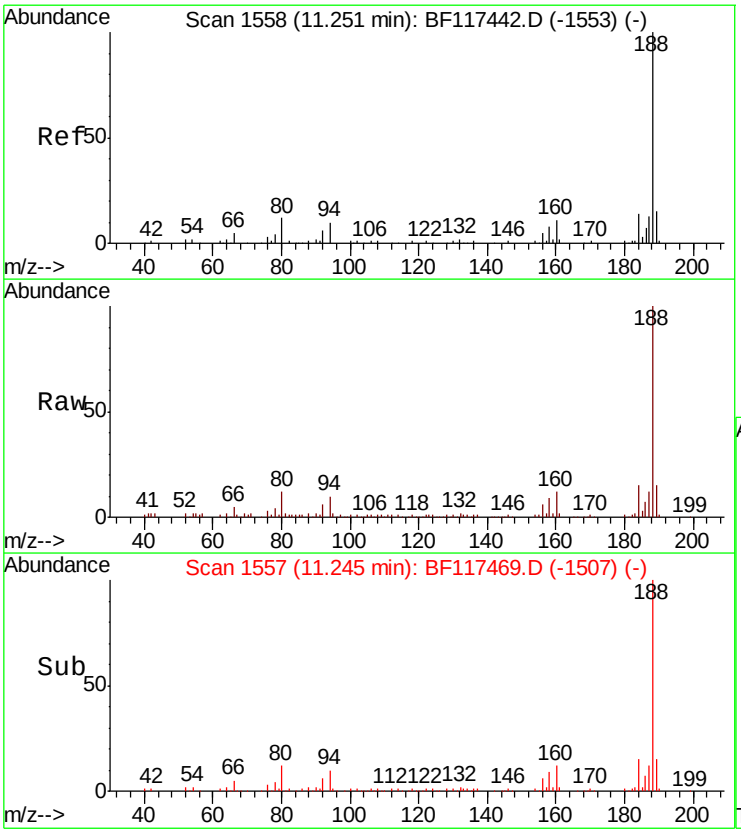
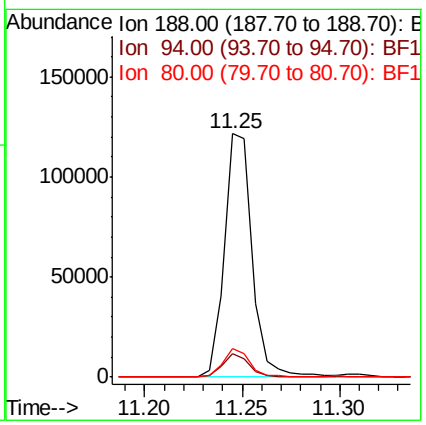
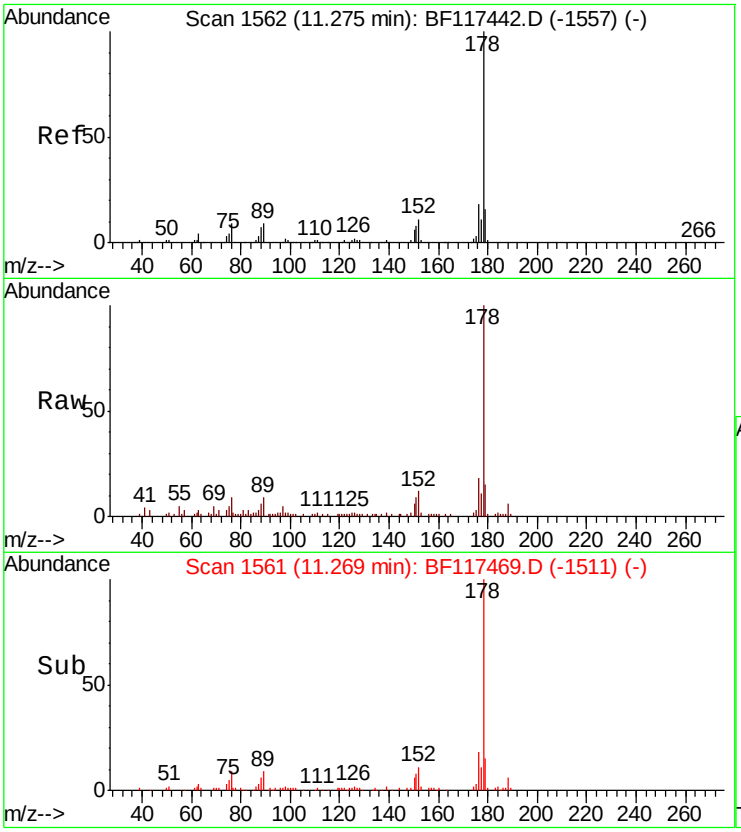


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF117469.D
Acq: 22 Oct 2019 1:09

Tgt Ion:188 Resp: 119987

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.0	12.0
80	11.9	9.5	14.3

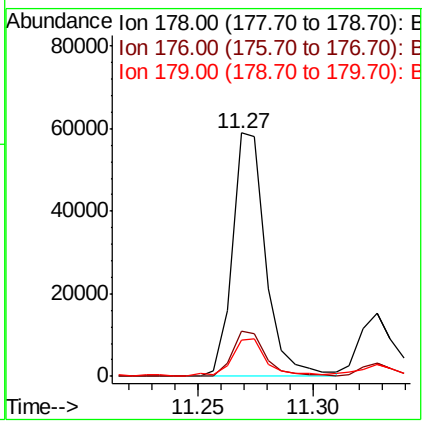




#71
Phenanthrene
Concen: 8.548 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF117469.D
Acq: 22 Oct 2019 1:09

Tgt Ion:178 Resp: 59556

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	22.0
179	15.1	12.6	19.0



Instrument :
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ClientSampleId :
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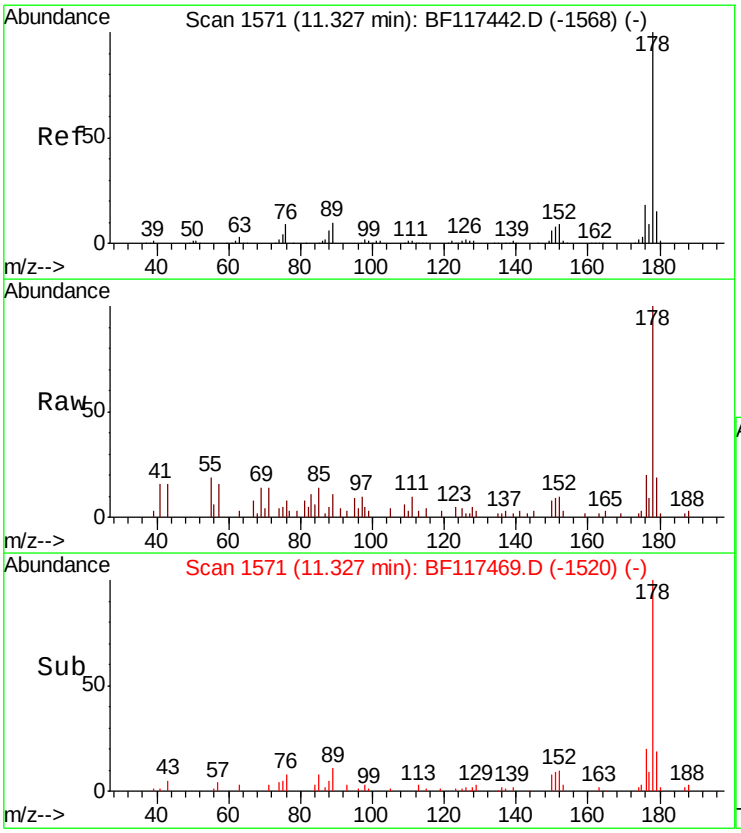
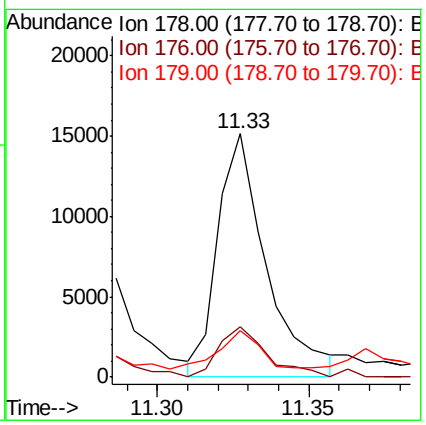
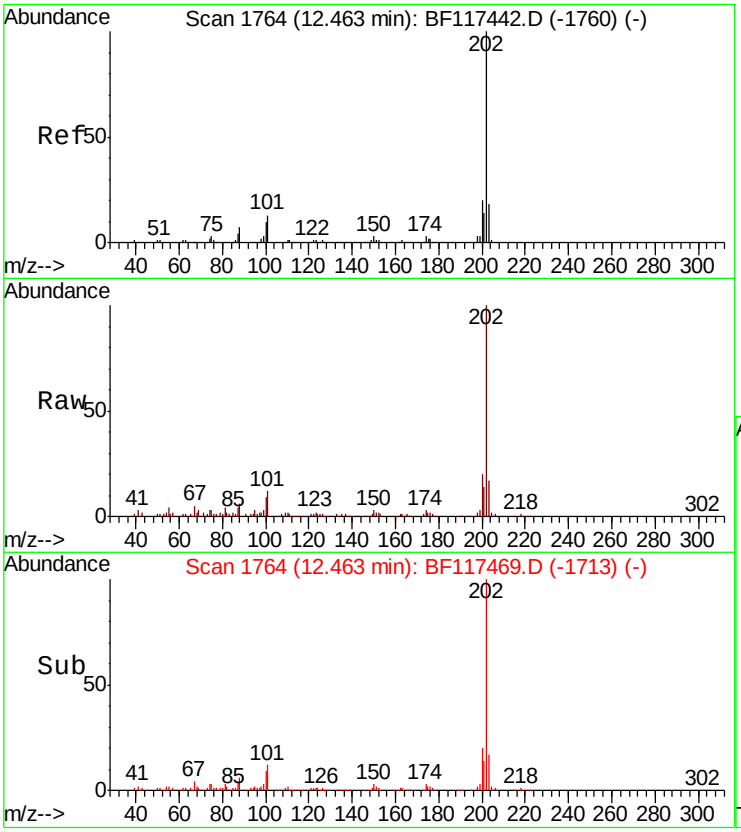


#72
Anthracene
Concen: 2.384 ng m
RT: 11.33 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BF117469.D
Acq: 22 Oct 2019 1:09

Tgt Ion:178 Resp: 17042

Ion	Ratio	Lower	Upper
178	100		
176	20.4	14.7	22.1
179	19.3	12.2	18.2#

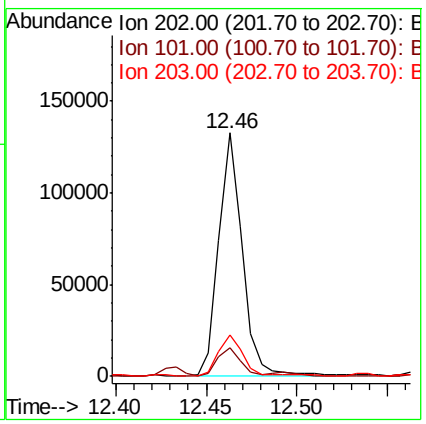




#75
Fluoranthene
Concen: 17.406 ng
RT: 12.46 min Scan# 1764
Delta R.T. -0.00 min
Lab File: BF117469.D
Acq: 22 Oct 2019 1:09

Tgt Ion:202 Resp: 121401

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.7
203	16.9	0.0	37.6



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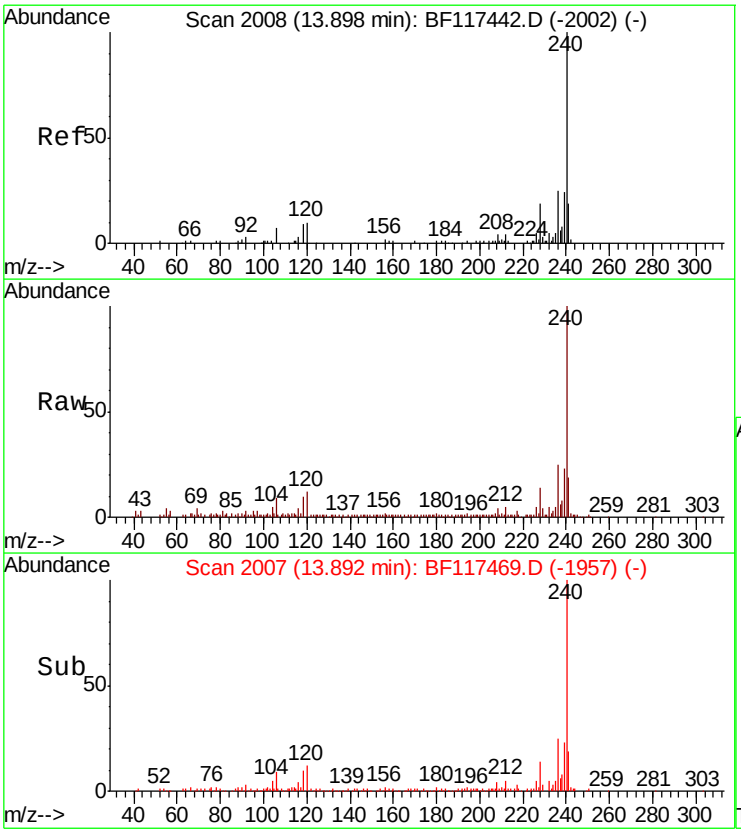
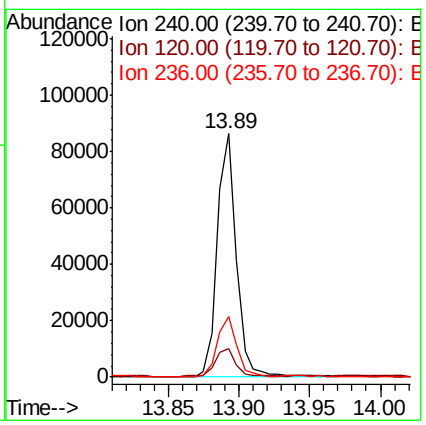
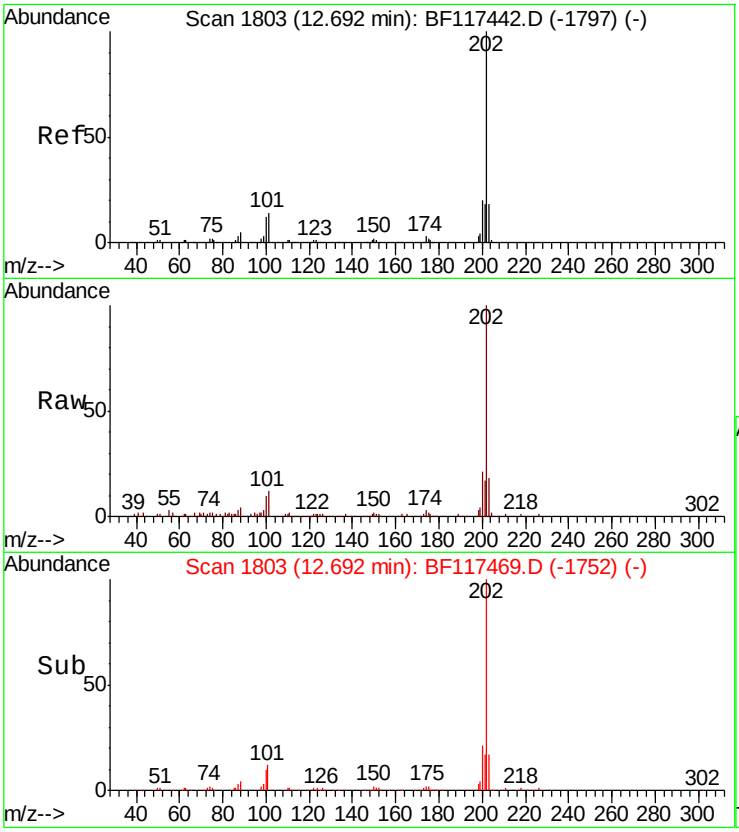


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117469.D
Acq: 22 Oct 2019 1:09

Tgt Ion:240 Resp: 81603

Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.4	12.6
236	24.7	20.0	30.0

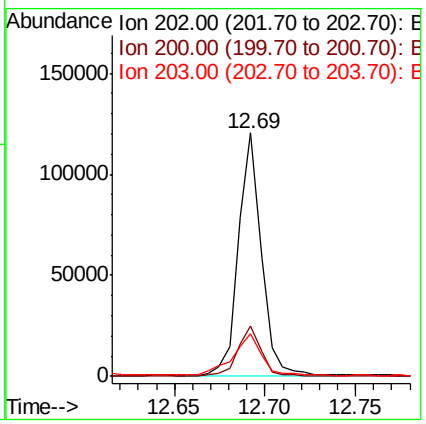




#78
Pyrene
Concen: 15.066 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117469.D
Acq: 22 Oct 2019 1:09

Tgt Ion:202 Resp: 105603

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.2	24.2
203	17.7	14.0	21.0



Instrument :
BNA_F
ClientSampleId :
PL-01-101819

Manual Integrations APPROVED
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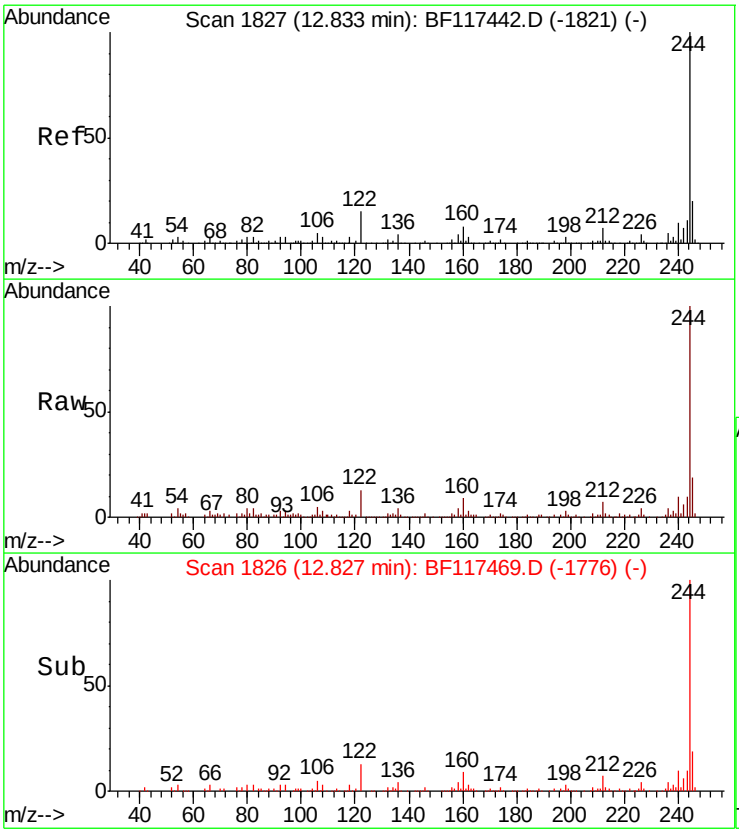
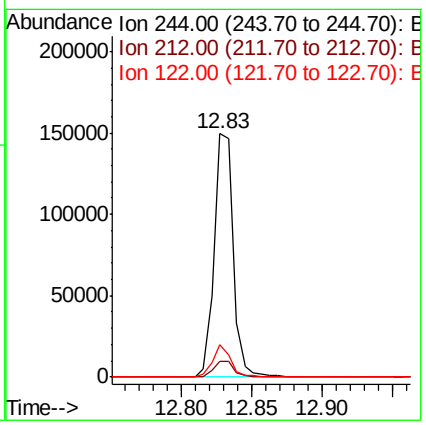
10/22/2019 3:29:34 PM

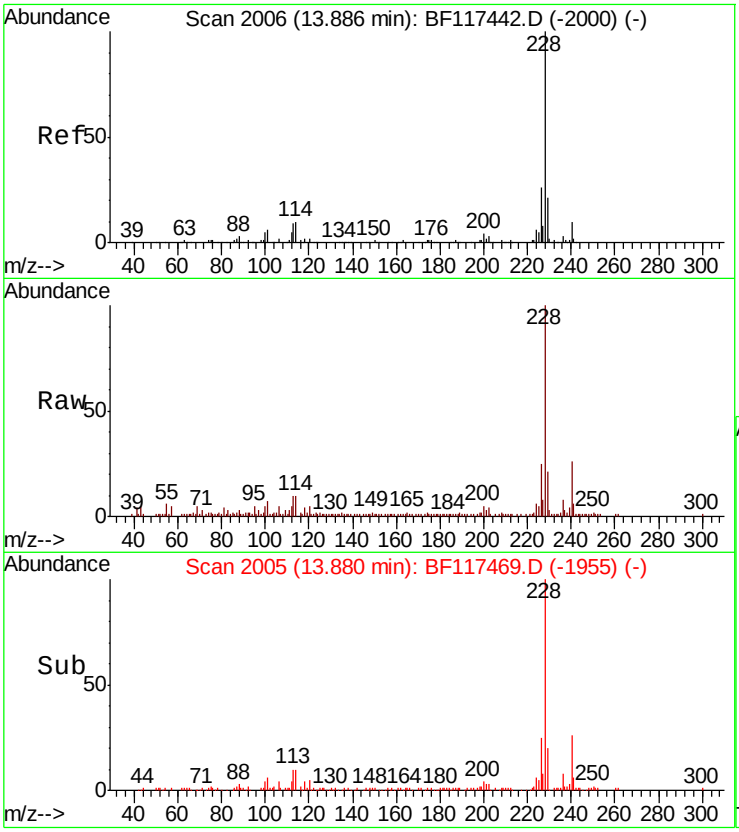


#79
Terphenyl-d14
Concen: 28.073 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117469.D
Acq: 22 Oct 2019 1:09

Tgt Ion:244 Resp: 140446

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	13.2	11.8	17.8

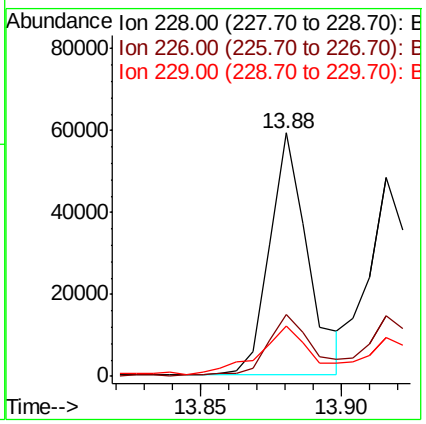




#81
Benzo(a)anthracene
Concen: 10.095 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF117469.D
Acq: 22 Oct 2019 1:09

Tgt Ion:228 Resp: 55569

Ion	Ratio	Lower	Upper
228	100		
226	25.3	21.0	31.4
229	20.8	16.4	24.6



Instrument :
BNA_F
ClientSampleId :
PL-01-101819

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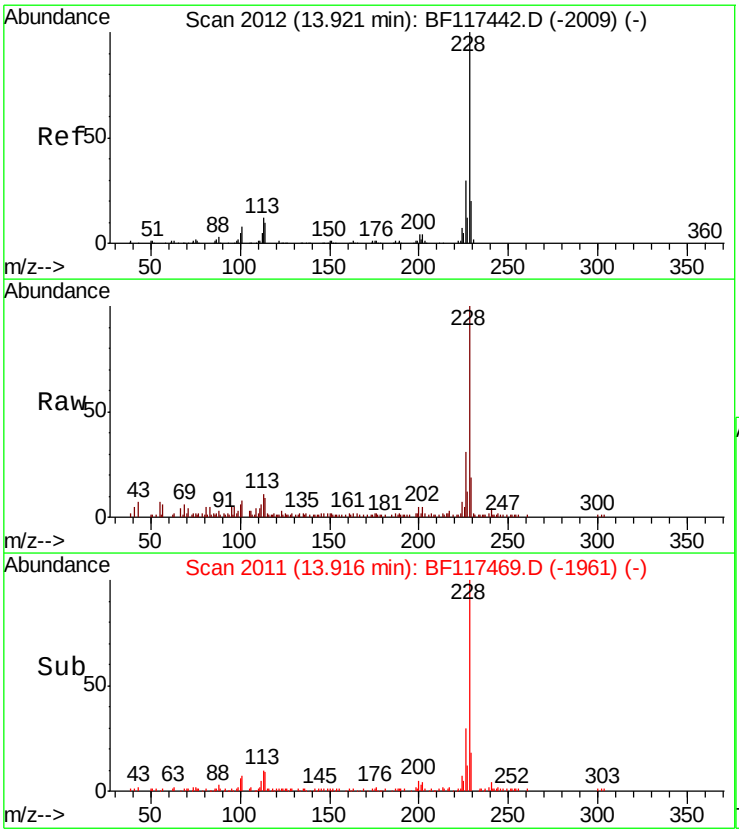
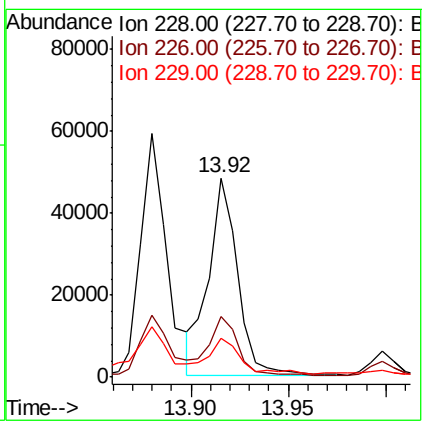
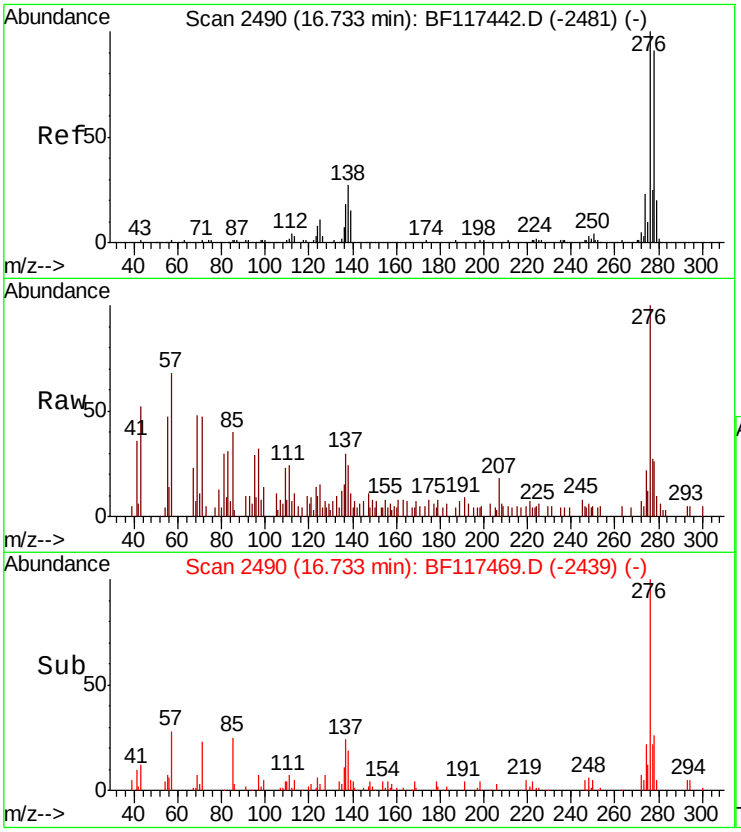


#83
Chrysene
Concen: 9.307 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF117469.D
Acq: 22 Oct 2019 1:09

Tgt Ion:228 Resp: 50206

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.9	35.9
229	19.5	15.8	23.6

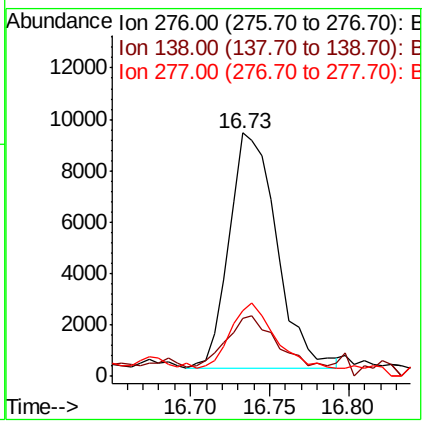




#86
Indeno(1,2,3-cd)pyrene
Concen: 4.750 ng
RT: 16.73 min Scan# 2490
Delta R.T. -0.00 min
Lab File: BF117469.D
Acq: 22 Oct 2019 1:09

Tgt Ion:276 Resp: 19131

Ion	Ratio	Lower	Upper
276	100		
138	21.4	21.8	32.8#
277	26.8	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
PL-01-101819

Manual Integrations APPROVED
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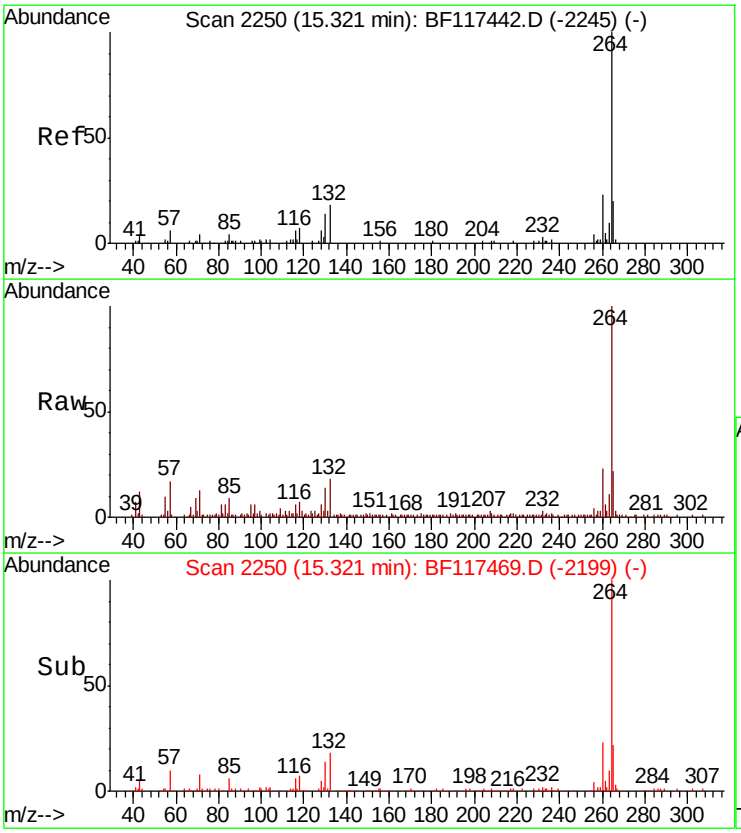
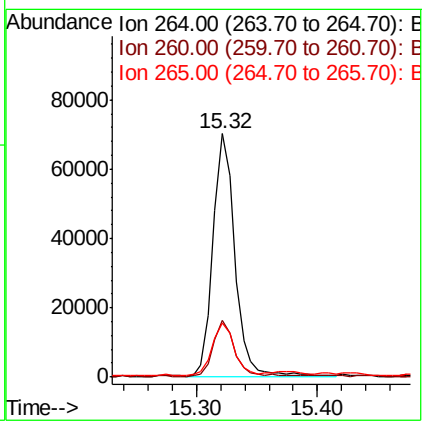
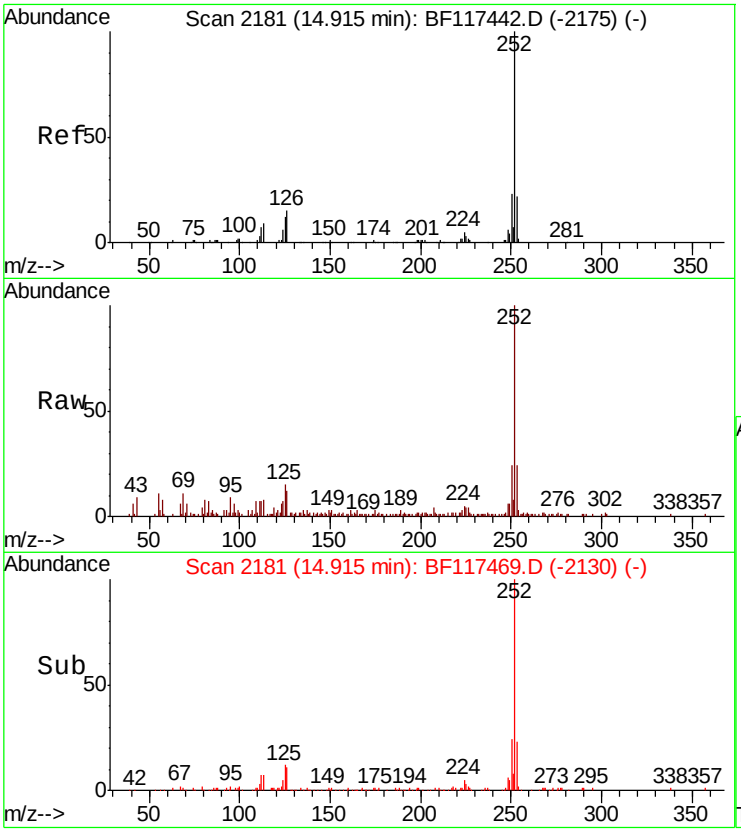


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.00 min
Lab File: BF117469.D
Acq: 22 Oct 2019 1:09

Tgt Ion:264 Resp: 89196

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.4	27.6
265	22.1	16.1	24.1





#88
Benzo(b)fluoranthene
Concen: 11.830 ng m
RT: 14.92 min Scan# 2181
Delta R.T. -0.00 min
Lab File: BF117469.D
Acq: 22 Oct 2019 1:09

Tgt Ion:252 Resp: 62312

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	15.3	9.9	14.9#

Instrument :
BNA_F
ClientSampleId :
PL-01-101819

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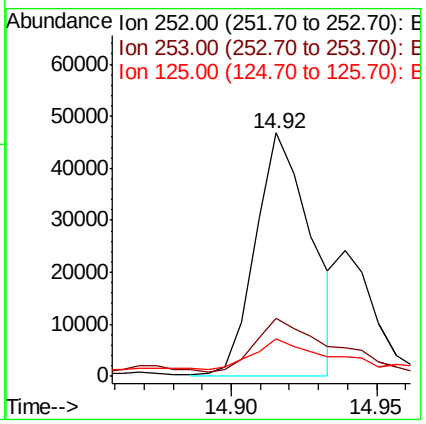
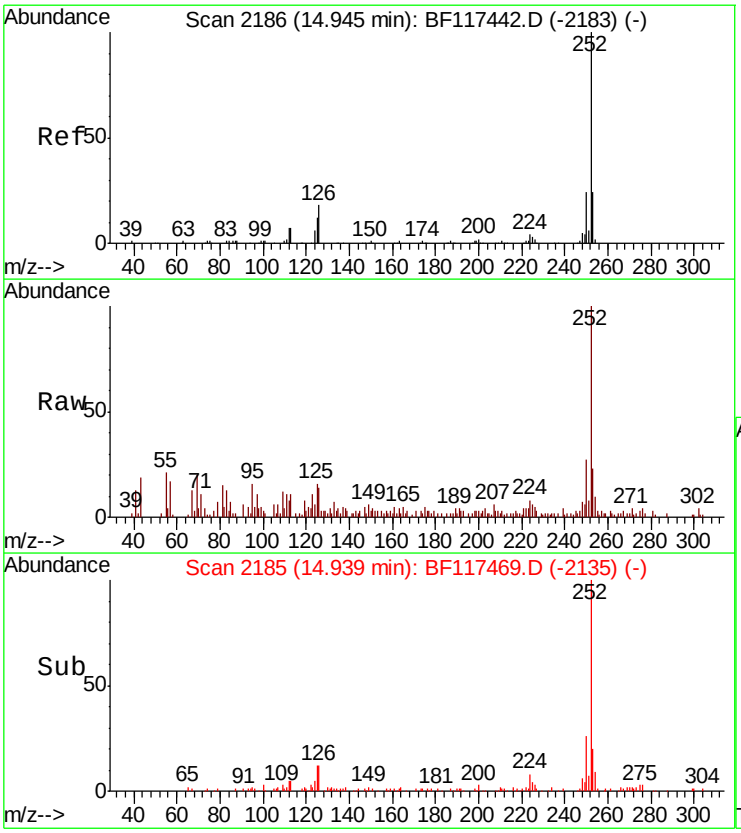
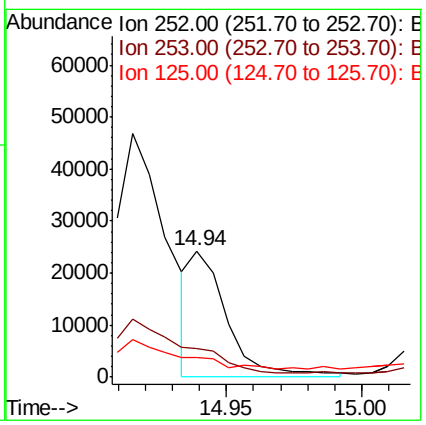


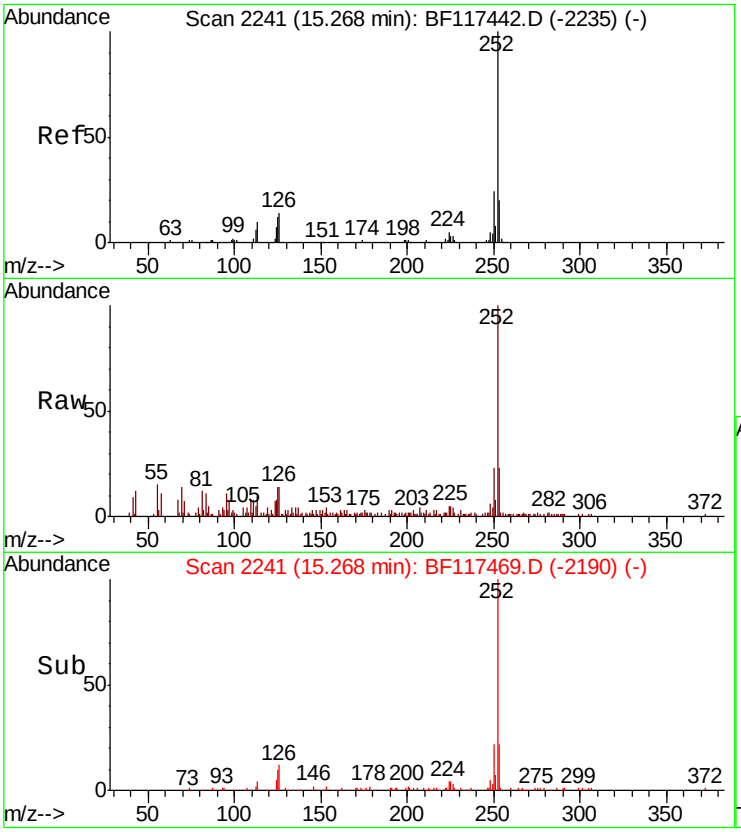


#89
Benzo(k)fluoranthene
Concen: 4.283 ng m
RT: 14.94 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BF117469.D
Acq: 22 Oct 2019 1:09

Tgt Ion:252 Resp: 23121

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	16.0	8.9	13.3#

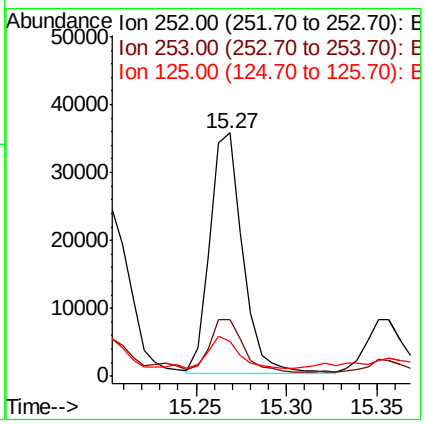




#90
Benzo(a)pyrene
Concen: 9.430 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF117469.D
Acq: 22 Oct 2019 1:09

Tgt Ion:252 Resp: 45157

Ion	Ratio	Lower	Upper
252	100		
253	23.4	16.3	24.5
125	14.3	9.2	13.8#



Instrument :
BNA_F
ClientSampleId :
PL-01-101819

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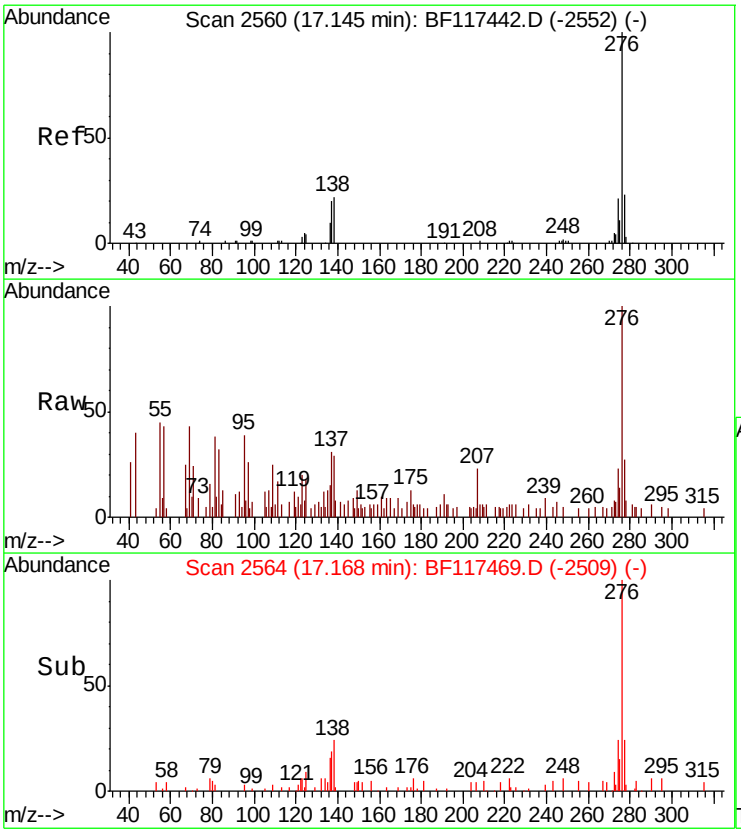

#92
Benzo(g,h,i)perylene
Concen: 4.701 ng
RT: 17.17 min Scan# 2564
Delta R.T. 0.02 min
Lab File: BF117469.D
Acq: 22 Oct 2019 1:09

Tgt Ion:276 Resp: 18418

Ion	Ratio	Lower	Upper
276	100		
277	27.3	18.4	27.6
138	29.1	17.8	26.6#