Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118332.D
Acq On : 26 Dec 2019 22:36
Operator : JU
Sample : K6436-07 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
K009-WC-2

Manual Integrations APPROVED
mohammad
12/27/2019 3:19:39 PM

Quant Time: Dec 27 06:12:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	74220	20.00	ng		0.00
21) Naphthalene-d8	8.14	136	300281	20.00	ng		0.00
39) Acenaphthene-d10	9.90	164	152833	20.00	ng		0.00
64) Phenanthrene-d10	11.39	188	249858	20.00	ng		0.00
76) Chrysene-d12	14.05	240	190223	20.00	ng		0.00
87) Perylene-d12	15.54	264	147668	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.46	112	302789	69.64	ng		0.00
7) Phenol-d6	6.48	99	402861	74.69	ng		0.00
23) Nitrobenzene-d5	7.42	82	226539	43.15	ng		0.00
42) 2,4,6-Tribromophenol	10.69	330	88449	46.86	ng		0.00
45) 2-Fluorobiphenyl	9.22	172	516513	51.59	ng		0.00
79) Terphenyl-d14	12.98	244	528706	46.11	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.50	94	12211	2.014	ng		83
50) Dimethylphthalate	9.61	163	26047	2.270	ng	#	99
71) Phenanthrene	11.42	178	31070	2.281	ng		97
75) Fluoranthene	12.62	202	110804	8.060	ng		99
78) Pyrene	12.84	202	94507	6.084	ng		99
81) Benzo(a)anthracene	14.04	228	42861	3.219	ng	#	96
83) Chrysene	14.07	228	50456	3.958	ng	#	92
88) Benzo(b)fluoranthene	15.10	252	45137m	4.605	ng		
90) Benzo(a)pyrene	15.48	252	27501	3.185	ng	#	41
92) Benzo(g,h,i)perylene	17.52	276	18264	2.523	ng	#	68

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

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Instrument :
BNA_F
ClientSampleId :
K009-WC-2

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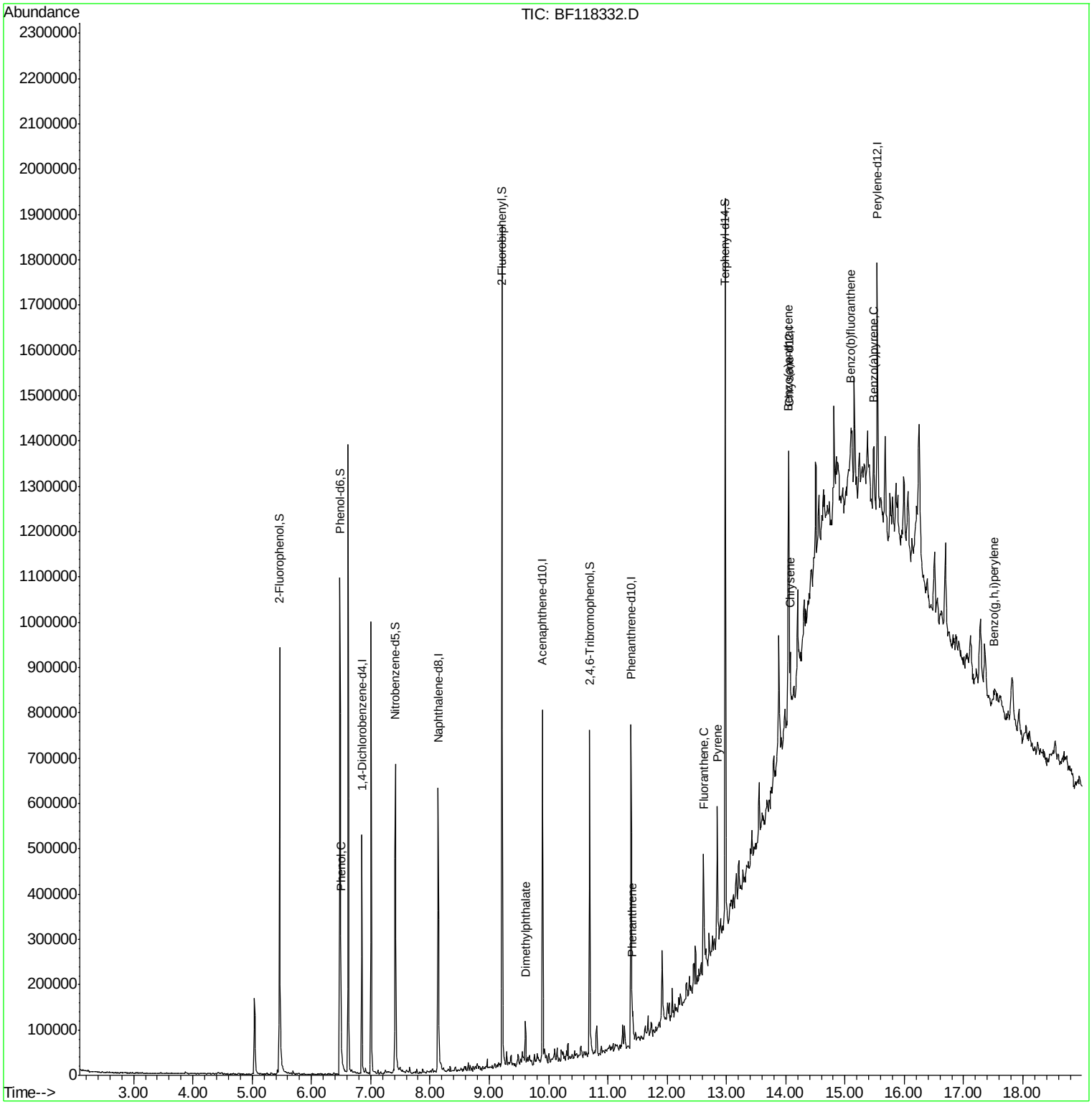
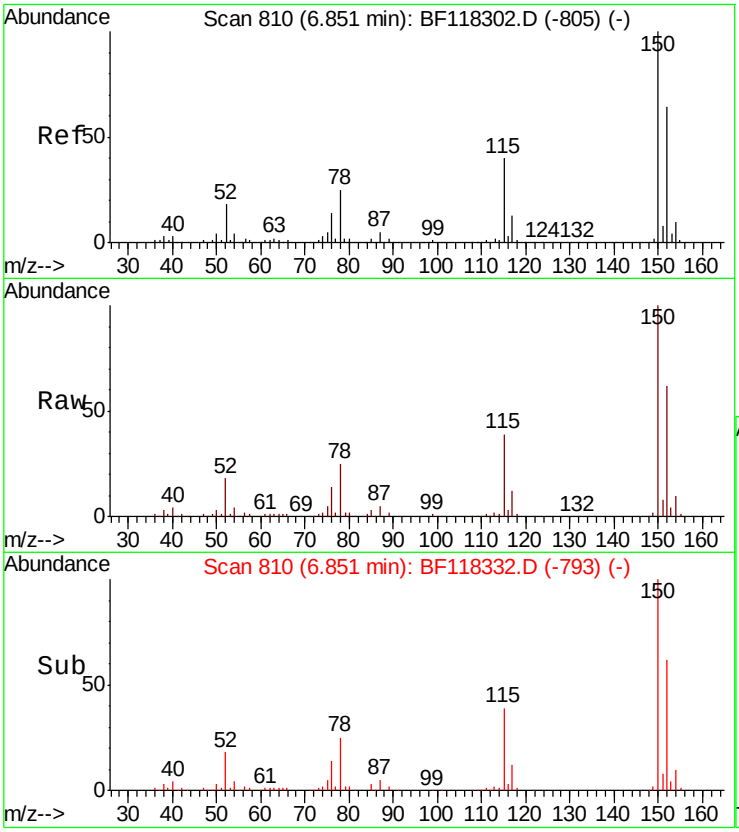
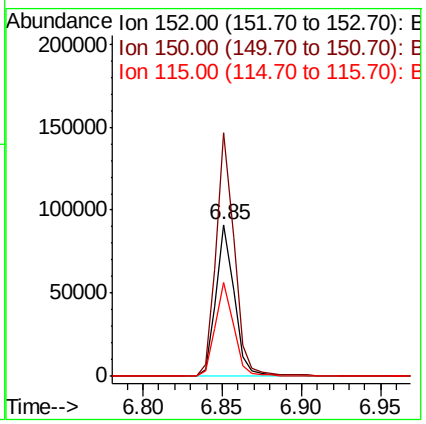




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion:152 Resp: 74220

Ion	Ratio	Lower	Upper
152	100		
150	160.3	125.4	188.2
115	61.9	50.2	75.4



Instrument :
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ClientSampleId :
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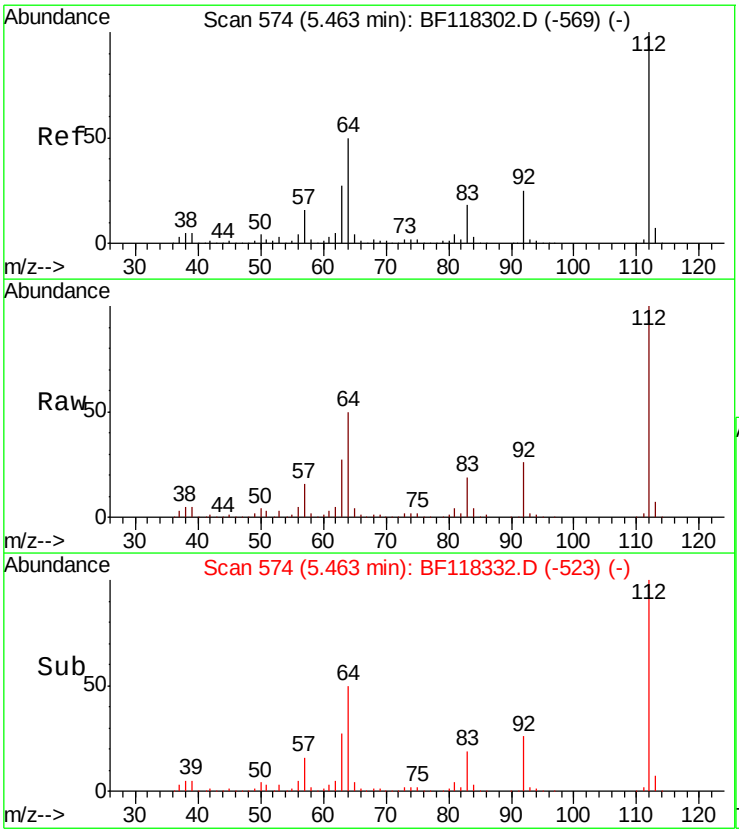
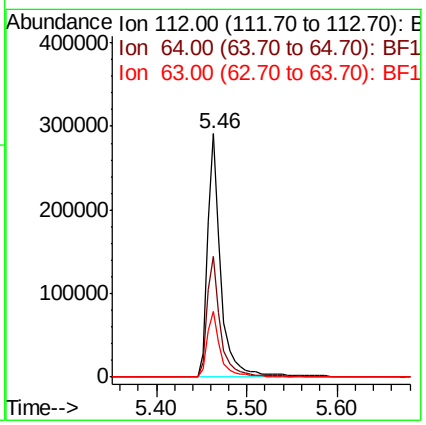
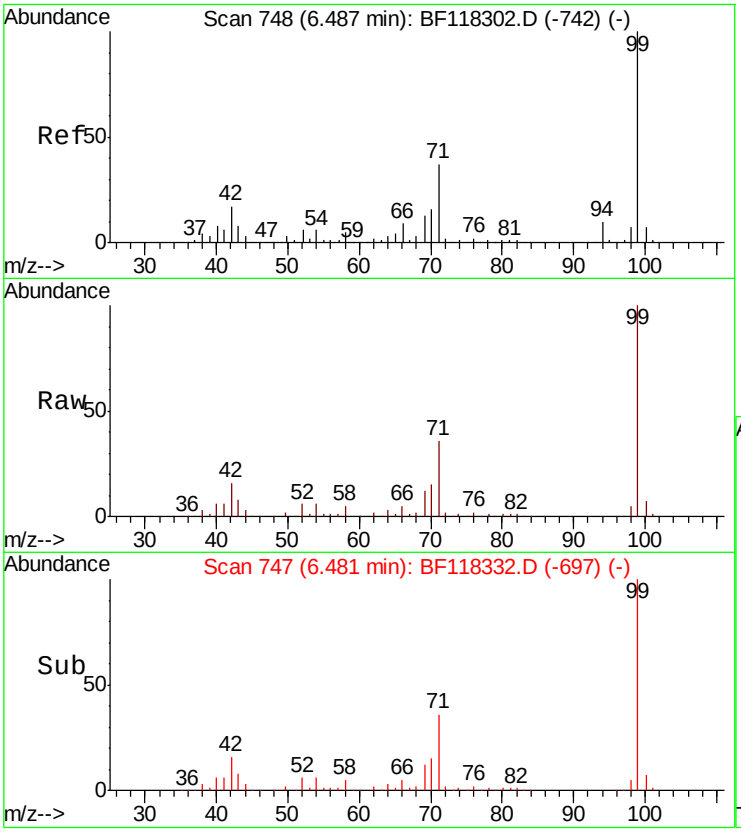


#5
2-Fluorophenol
Concen: 69.639 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.00 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion:112 Resp: 302789

Ion	Ratio	Lower	Upper
112	100		
64	49.6	39.7	59.5
63	27.2	21.7	32.5

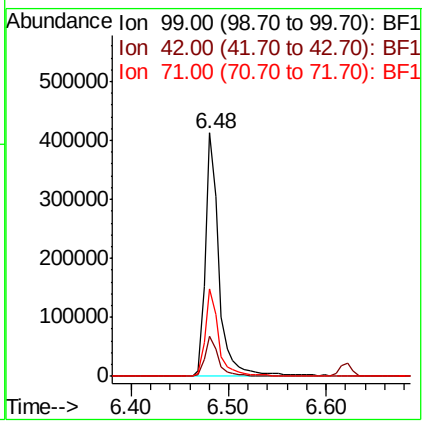




#7
Phenol-d6
Concen: 74.689 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion: 99 Resp: 402861

Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.5	20.3
71	35.7	29.4	44.2



Instrument :
BNA_F
ClientSampleId :
K009-WC-2

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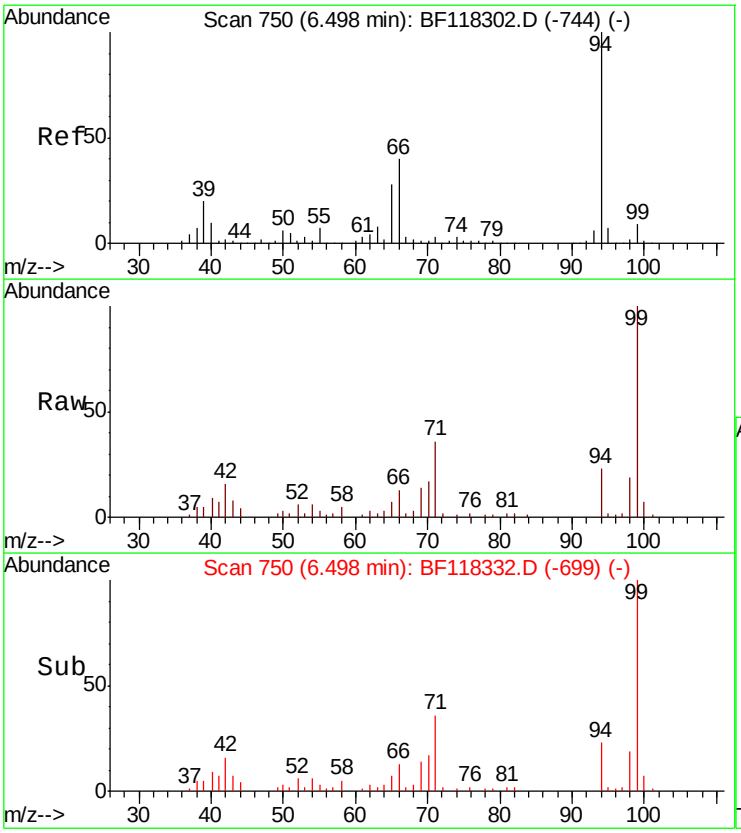
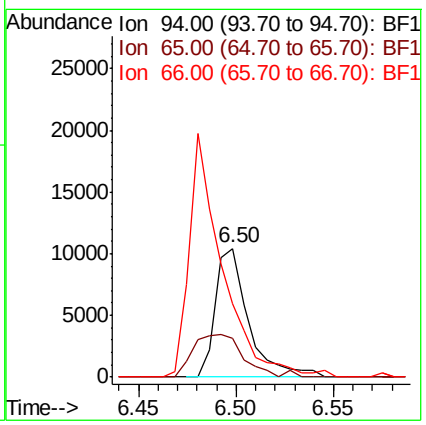
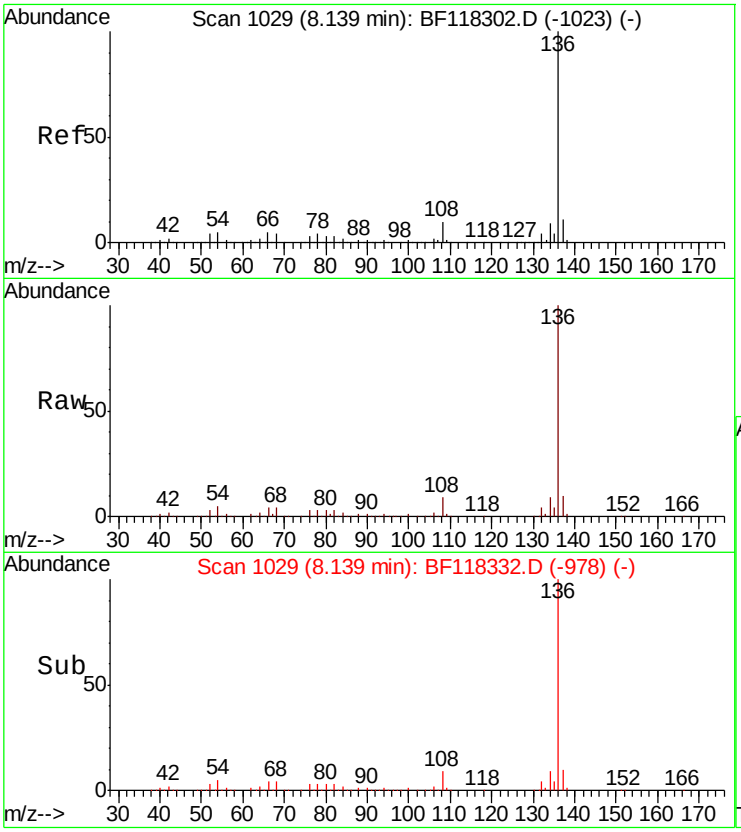


#10
Phenol
Concen: 2.014 ng
RT: 6.50 min Scan# 750
Delta R.T. -0.00 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion: 94 Resp: 12211

Ion	Ratio	Lower	Upper
94	100		
65	30.0	7.8	47.8
66	56.9	20.4	60.4

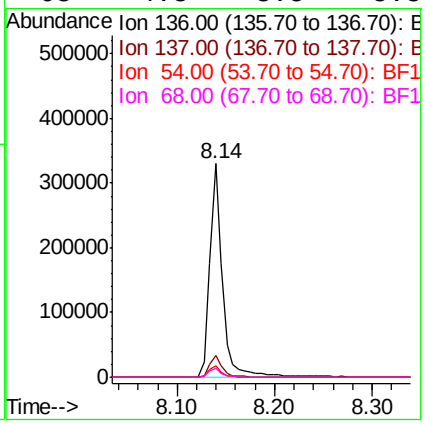




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion:136 Resp: 300281

Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.9	13.3
54	5.4	4.2	6.4
68	4.3	3.5	5.3



Instrument :
BNA_F
ClientSampleId :
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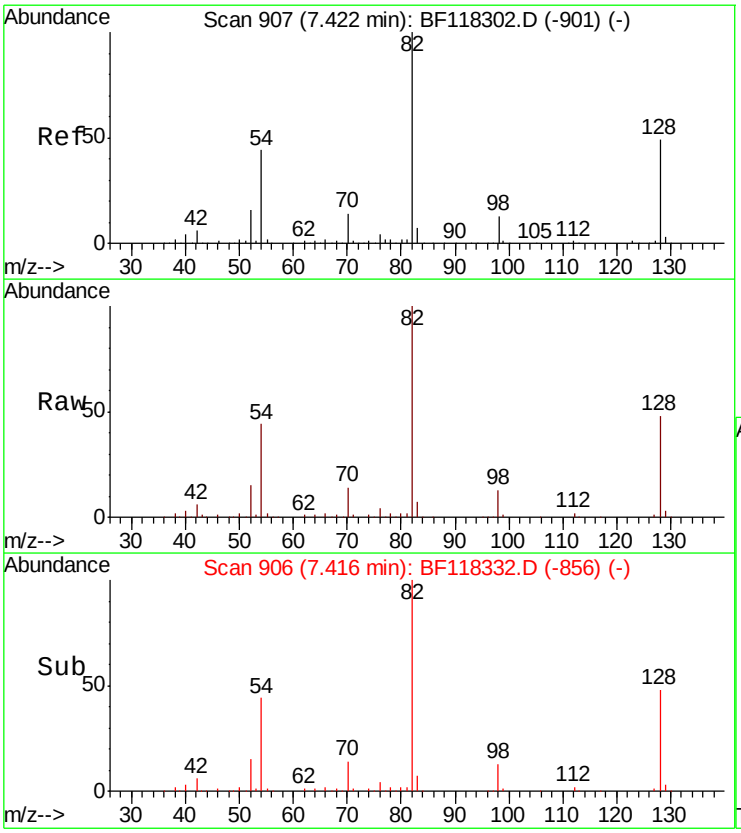
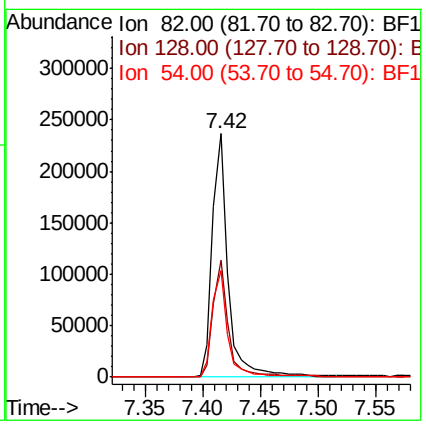
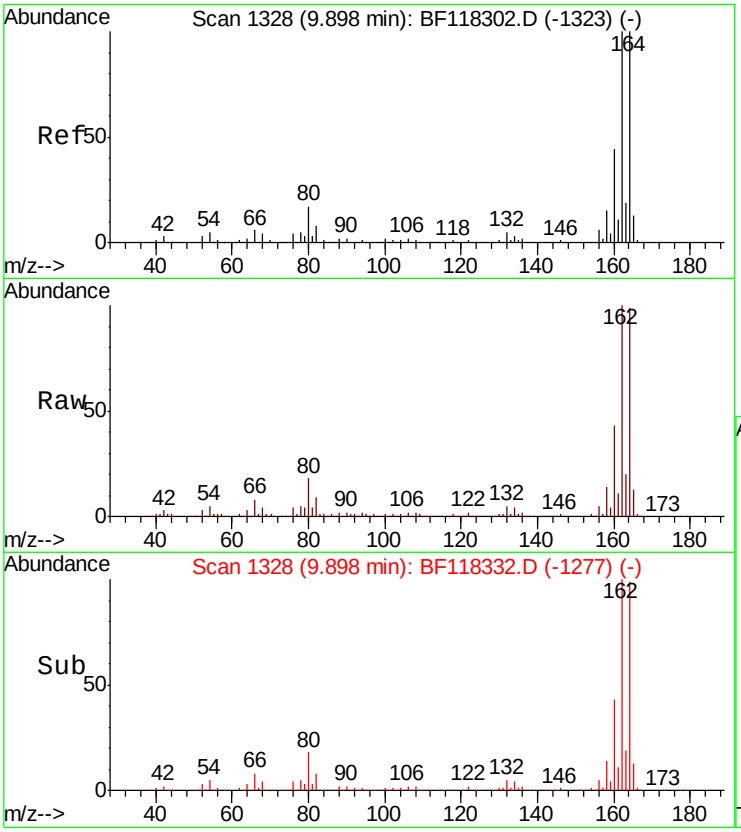


#23
Nitrobenzene-d5
Concen: 43.149 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion: 82 Resp: 226539

Ion	Ratio	Lower	Upper
82	100		
128	48.0	39.6	59.4
54	43.7	34.9	52.3

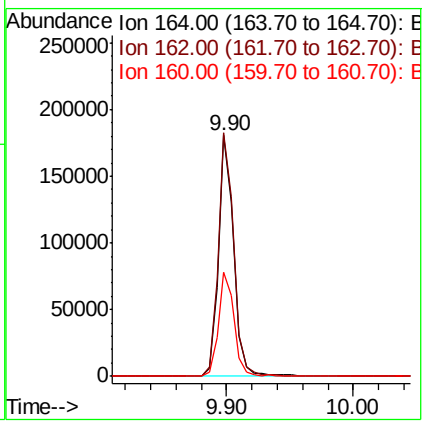




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion:164 Resp: 152833

Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.0	120.0
160	43.2	34.8	52.2



Instrument :
BNA_F
ClientSampleId :
K009-WC-2

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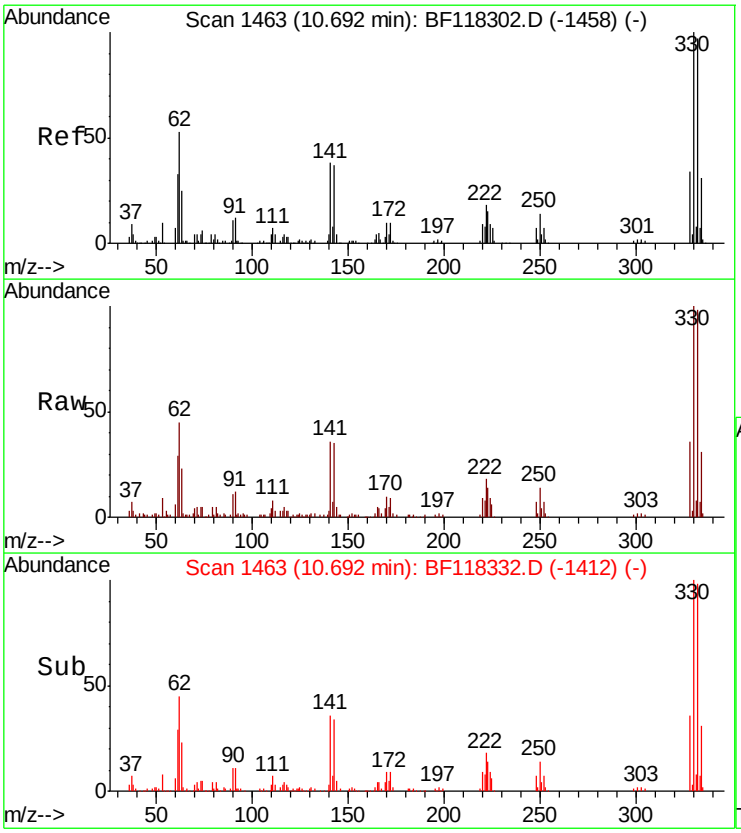
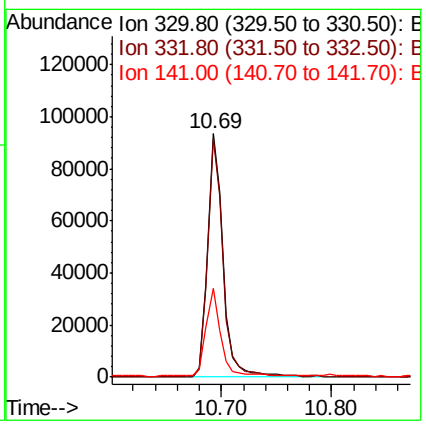
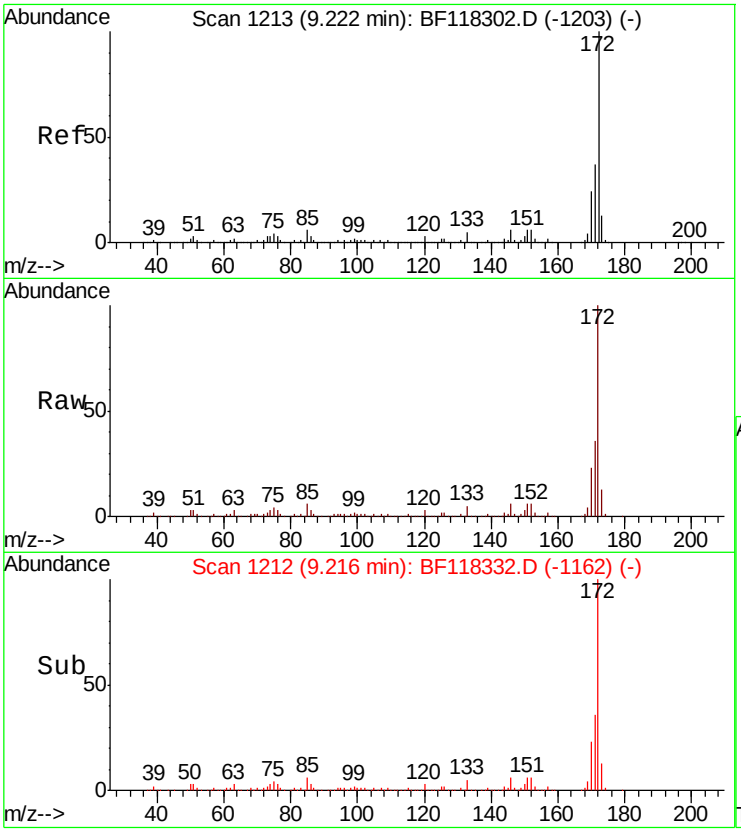


#42
2,4,6-Tribromophenol
Concen: 46.863 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.00 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion:330 Resp: 88449

Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.6	114.8
141	34.7	26.0	39.0

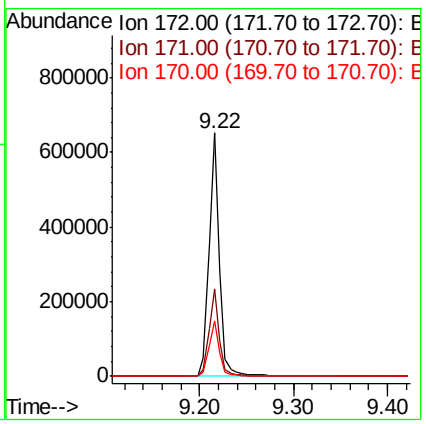




#45
2-Fluorobiphenyl
Concen: 51.588 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion:172 Resp: 516513

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.3	43.9
170	22.8	19.2	28.8



Instrument :
BNA_F
ClientSampleId :
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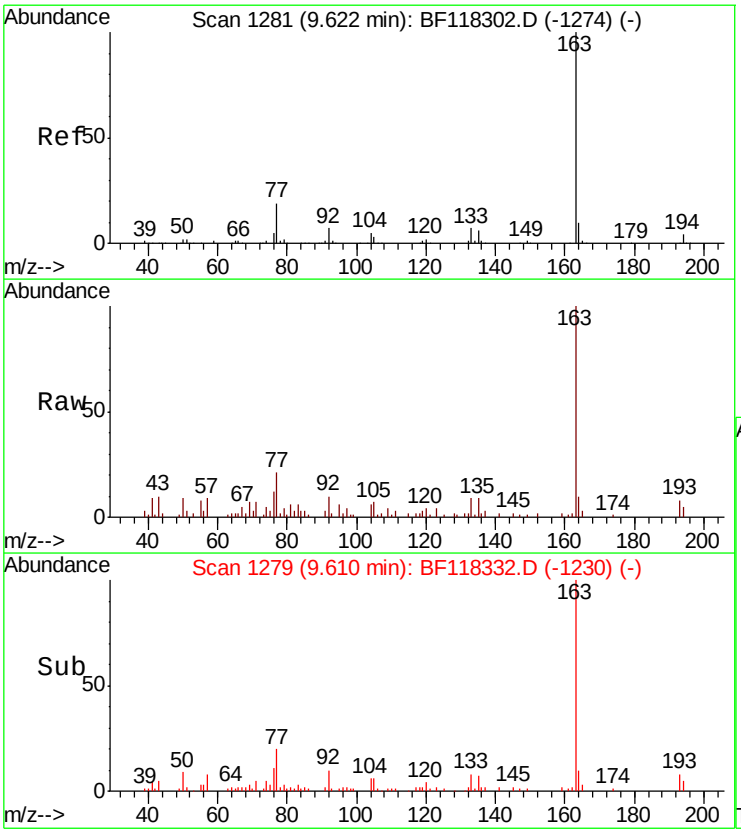
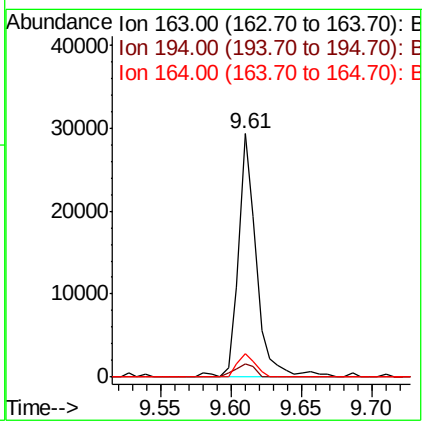
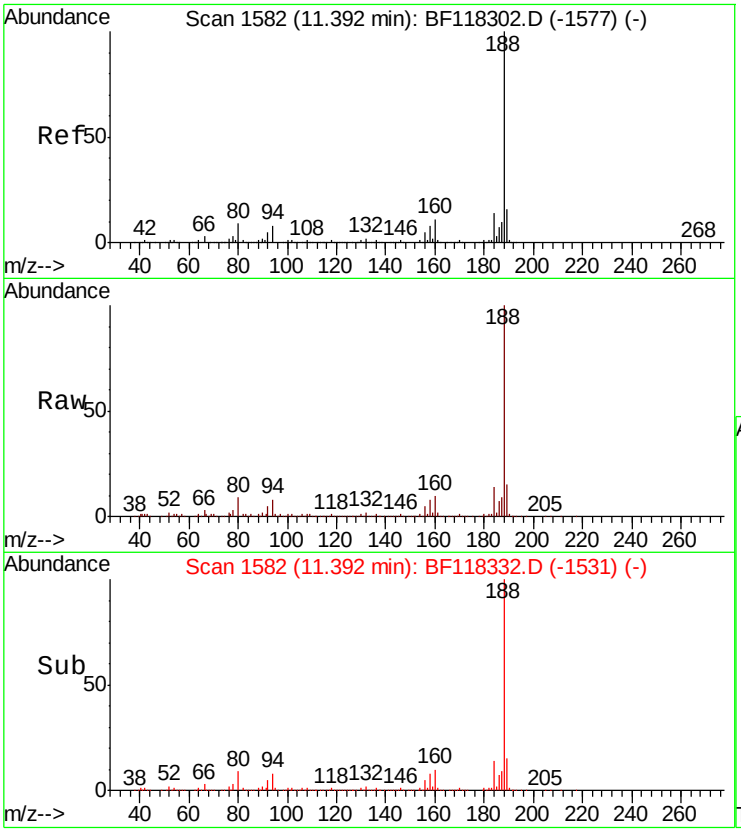


#50
Dimethylphthalate
Concen: 2.270 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion:163 Resp: 26047

Ion	Ratio	Lower	Upper
163	100		
194	5.4	3.2	4.8#
164	9.8	7.9	11.9

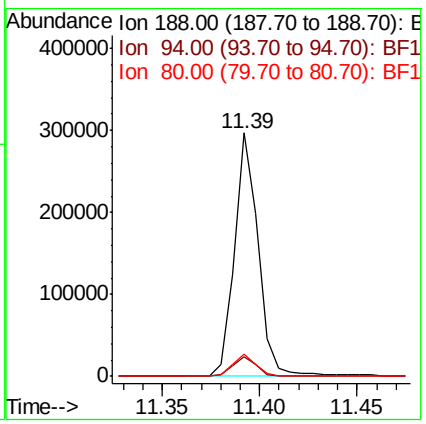




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.00 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion:188 Resp: 249858

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	9.3	7.2	10.8



Instrument :
BNA_F
ClientSampleId :
K009-WC-2

Manual Integrations APPROVED
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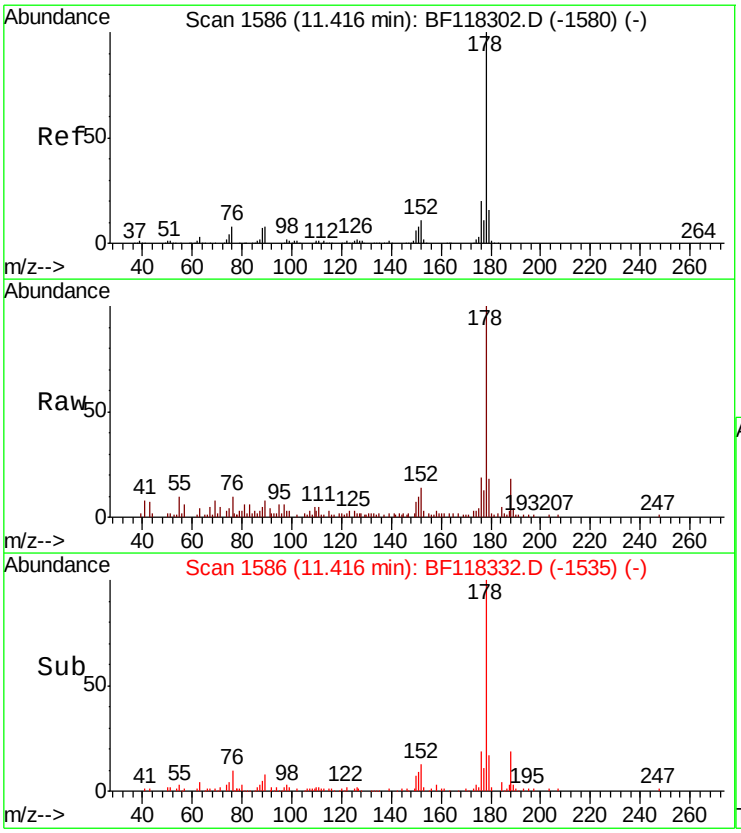
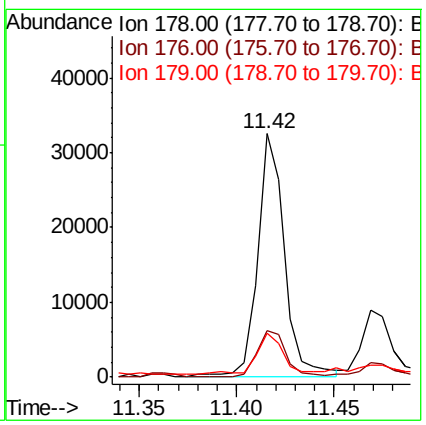
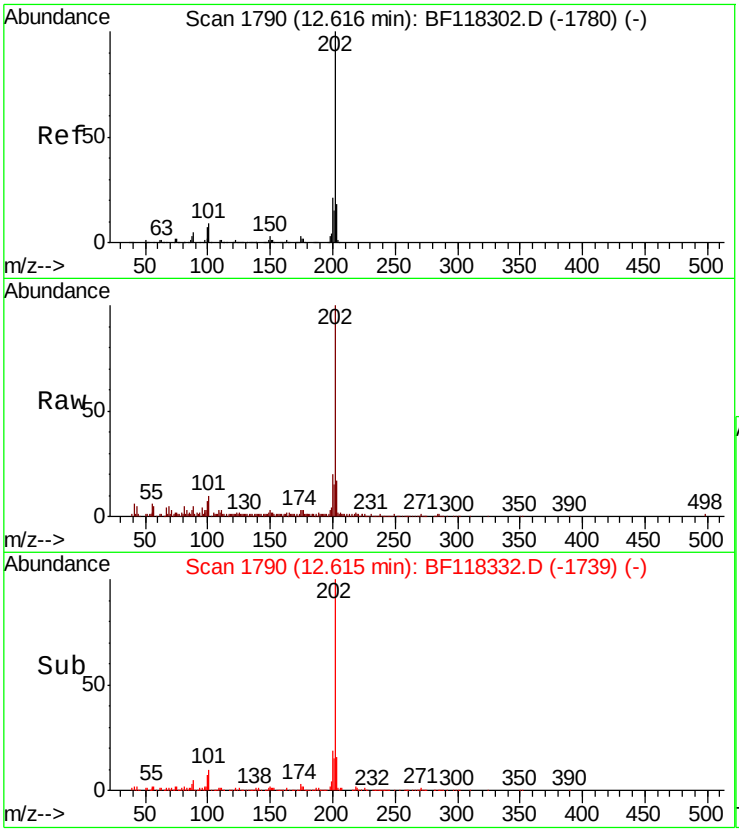


#71
Phenanthrene
Concen: 2.281 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion:178 Resp: 31070

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.6	23.4
179	18.2	12.6	19.0

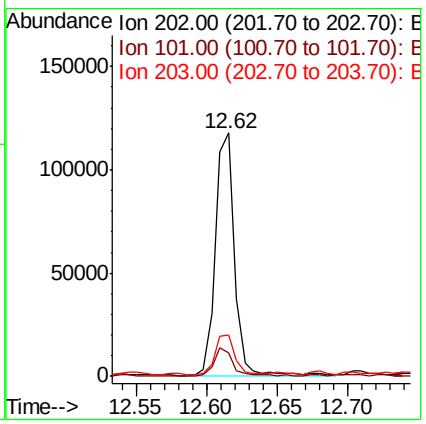




#75
Fluoranthene
Concen: 8.060 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.00 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion:202 Resp: 110804

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	29.5
203	16.8	0.0	37.6



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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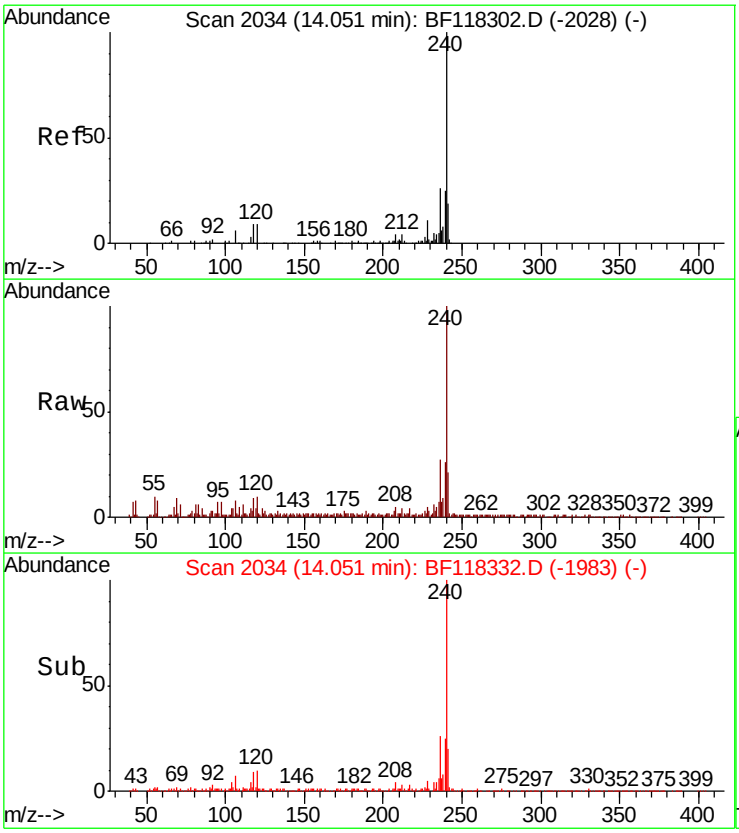
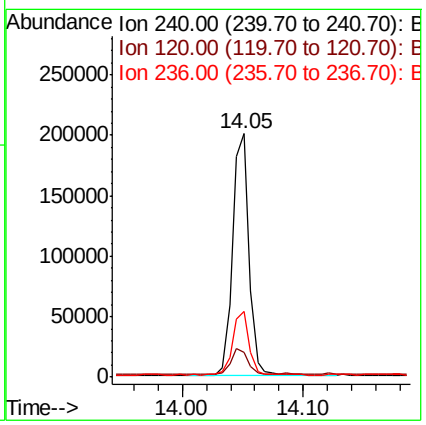
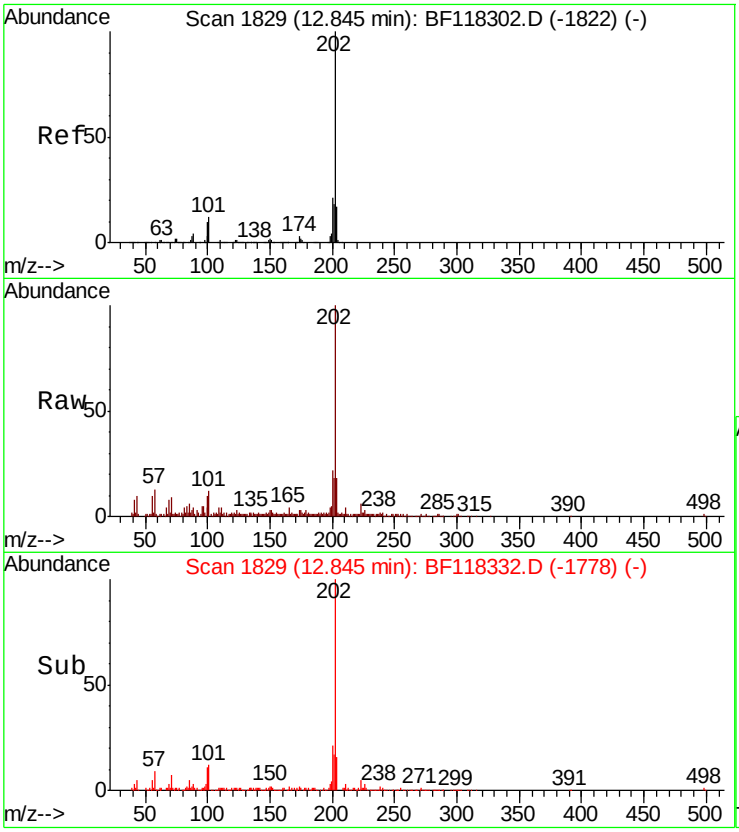


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion:240 Resp: 190223

Ion	Ratio	Lower	Upper
240	100		
120	10.4	7.1	10.7
236	26.8	21.0	31.6

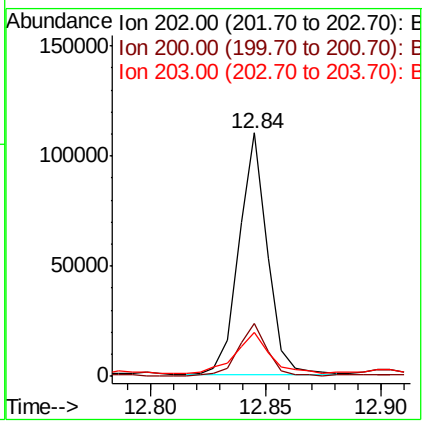




#78
Pyrene
Concen: 6.084 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion:202 Resp: 94507

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.8	25.2
203	17.8	13.9	20.9



Instrument :
BNA_F
ClientSampleId :
K009-WC-2

Manual Integrations APPROVED
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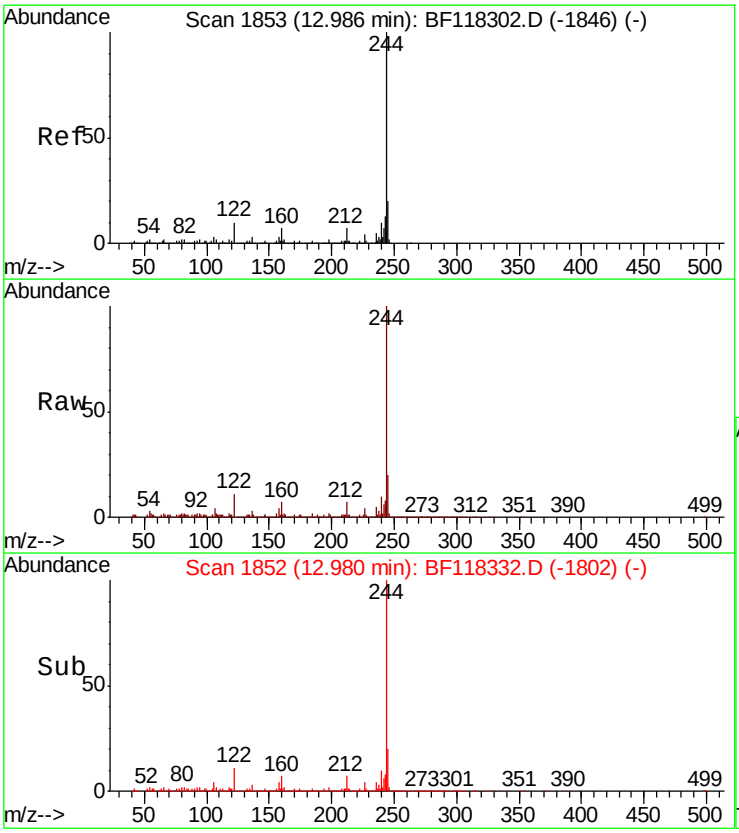
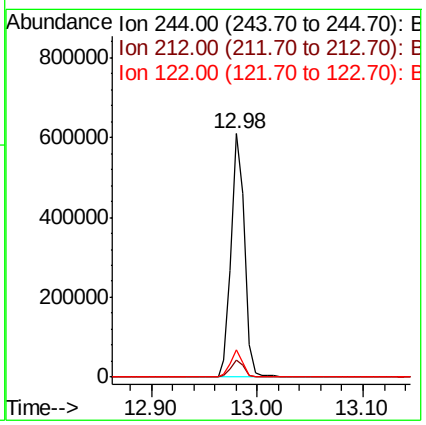
12/27/2019 3:19:39 PM

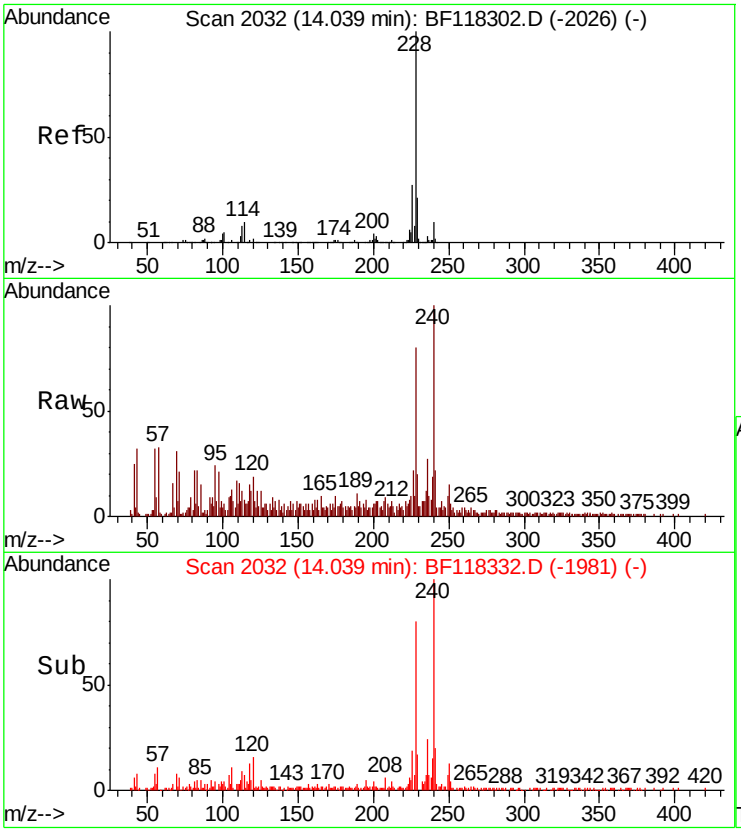


#79
Terphenyl-d14
Concen: 46.111 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion:244 Resp: 528706

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	11.3	7.8	11.8





#81
Benzo(a)anthracene
Concen: 3.219 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion:228 Resp: 42861

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.0	33.0
229	25.0	16.6	24.8#

Instrument :
BNA_F
ClientSampleId :
K009-WC-2

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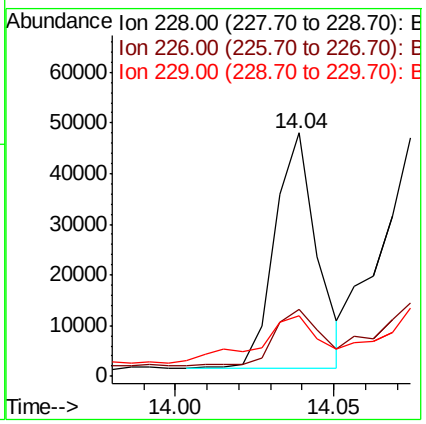
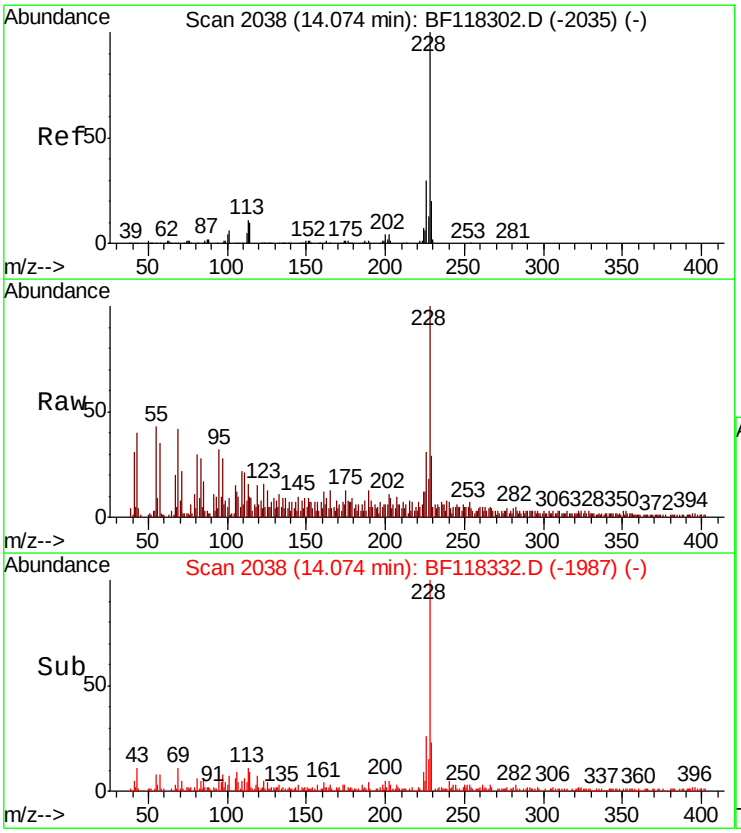
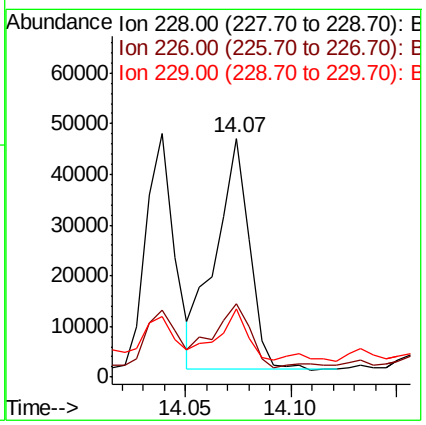


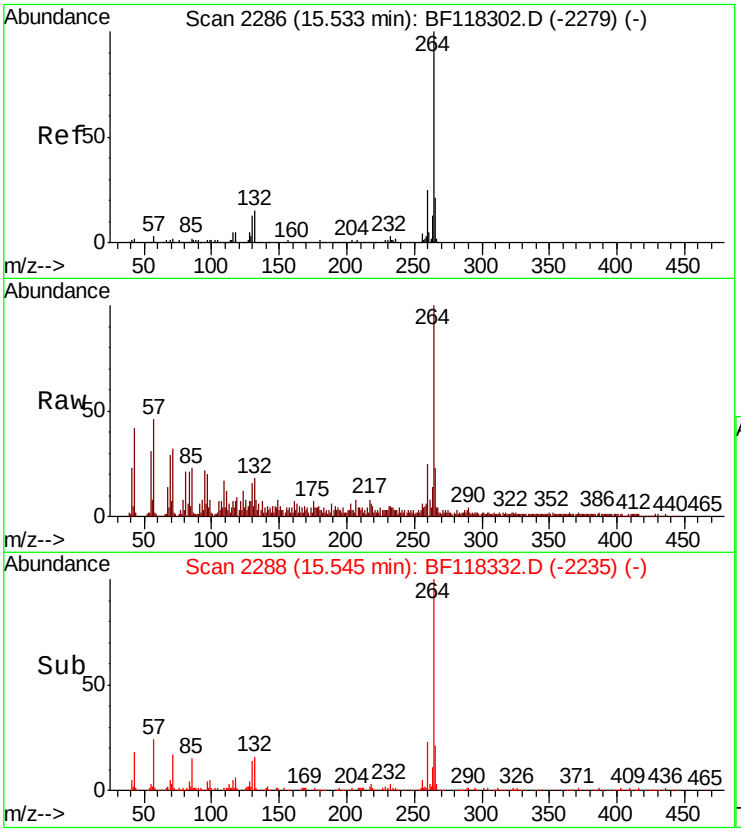


#83
Chrysene
Concen: 3.958 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion:228 Resp: 50456

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.9	35.9
229	28.7	16.1	24.1#

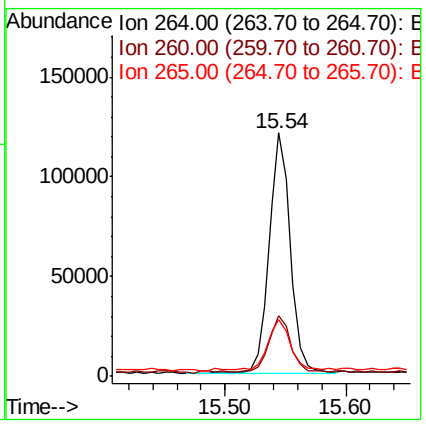




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.01 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion:264 Resp: 147668

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.8	29.6
265	23.3	17.0	25.4



Instrument :
BNA_F
ClientSampleId :
K009-WC-2

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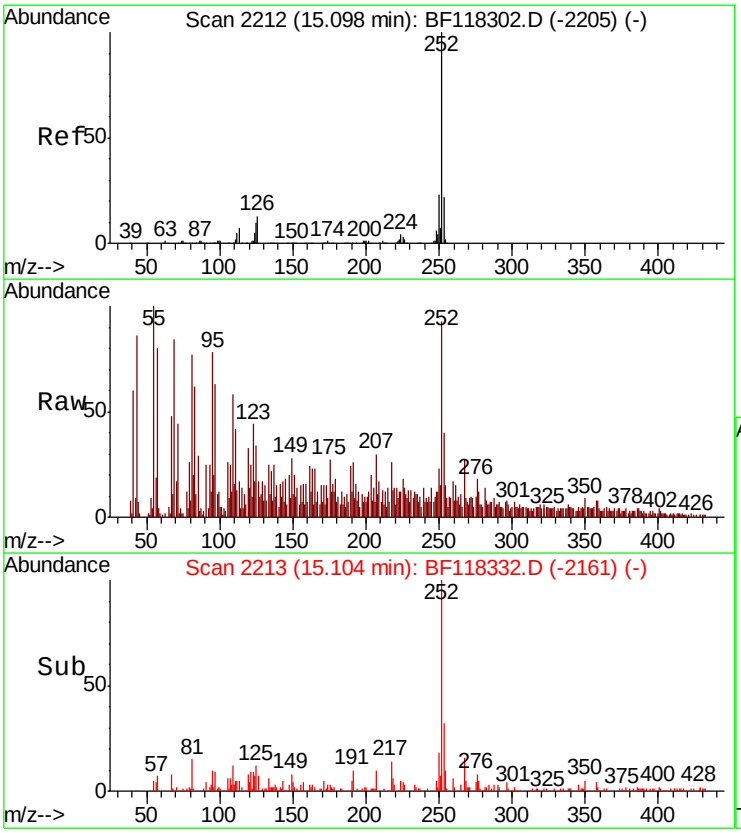
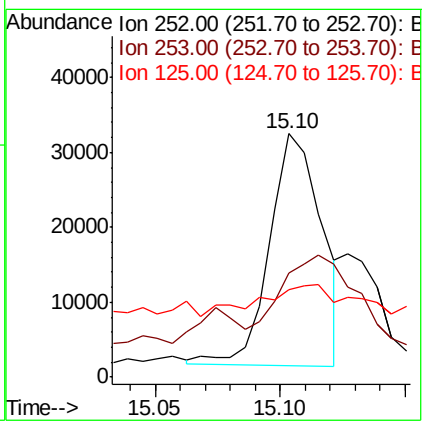
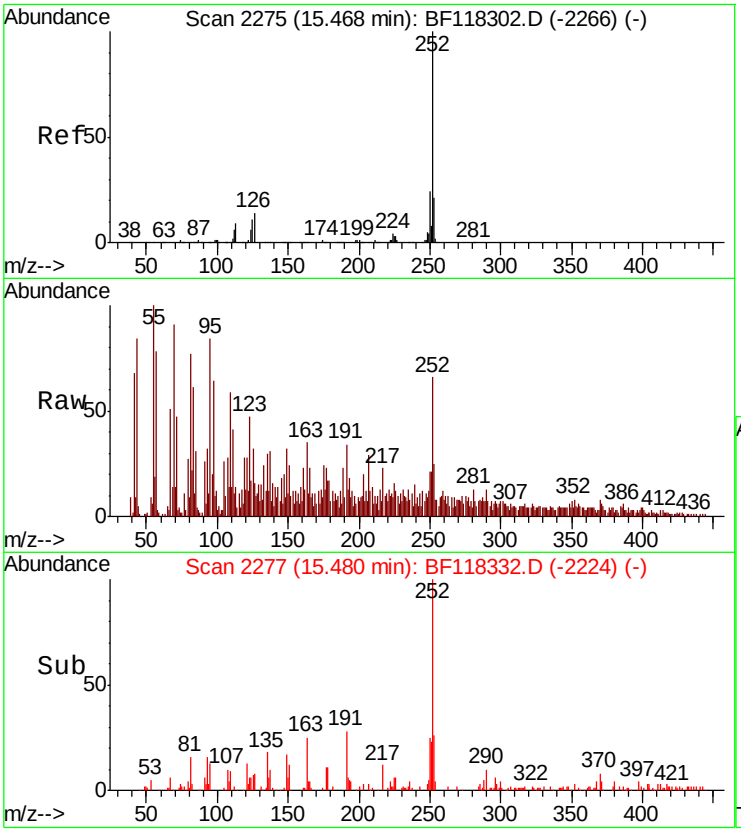


#88
Benzo(b)fluoranthene
Concen: 4.605 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion:252 Resp: 45137

Ion	Ratio	Lower	Upper
252	100		
253	42.9	17.5	26.3#
125	36.1	7.7	11.5#





#90
Benzo(a)pyrene
Concen: 3.185 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion:252 Resp: 27501

Ion	Ratio	Lower	Upper
252	100		
253	38.7	17.0	25.6#
125	49.3	9.0	13.4#

Instrument :
BNA_F
ClientSampleId :
K009-WC-2

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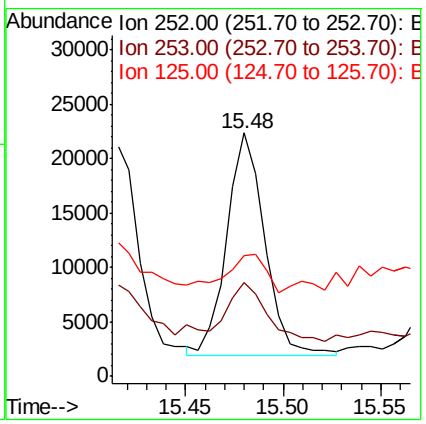

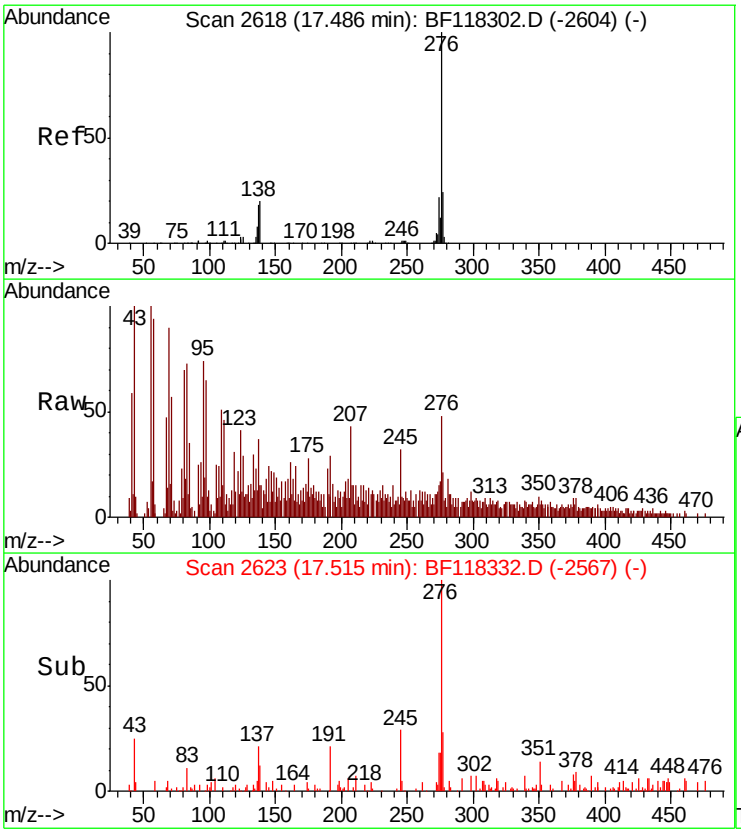

#92
Benzo(g,h,i)perylene
Concen: 2.523 ng
RT: 17.52 min Scan# 2623
Delta R.T. 0.03 min
Lab File: BF118332.D
Acq: 26 Dec 2019 22:36

Tgt Ion:276 Resp: 18264

Ion	Ratio	Lower	Upper
276	100		
277	43.7	19.1	28.7#
138	30.4	16.1	24.1#