Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
Data File : BF118412.D
Acq On : 31 Dec 2019 18:27
Operator : JU
Sample : K6465-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GP-9-(1-3)

Manual Integrations APPROVED
mohammad
1/2/2020 11:50:05 AM

Quant Time: Jan 01 02:46:03 2020
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	79808	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	327238	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	164585	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	267458	20.00	ng	0.00
76) Chrysene-d12	14.05	240	188228	20.00	ng	0.00
87) Perylene-d12	15.55	264	191528	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	452759	96.84	ng	0.01
7) Phenol-d6	6.49	99	557314	96.09	ng	0.00
23) Nitrobenzene-d5	7.42	82	344435	60.20	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	173128	85.18	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	668241	61.98	ng	0.00
79) Terphenyl-d14	12.99	244	574783	50.66	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.50	94	19678	3.019	ng	81
50) Dimethylphthalate	9.62	163	73108	5.918	ng	98
71) Phenanthrene	11.42	178	54103	3.711	ng	96
75) Fluoranthene	12.62	202	84574	5.748	ng	99
78) Pyrene	12.84	202	70738	4.602	ng	97
81) Benzo(a)anthracene	14.04	228	40466	3.071	ng	97
83) Chrysene	14.08	228	41113	3.259	ng	99
88) Benzo(b)fluoranthene	15.11	252	48328m	3.801	ng	
90) Benzo(a)pyrene	15.49	252	35644	3.183	ng	# 92
92) Benzo(g,h,i)perylene	17.53	276	18797	2.002	ng	96

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

Quantitation Report (LSC Reviewed)

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Data File : BF118412.D
Acq On : 31 Dec 2019 18:27
Operator : JU
Sample : K6465-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 01 02:46:03 2020
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Instrument :
BNA_F
ClientSampleId :
GP-9-(1-3)

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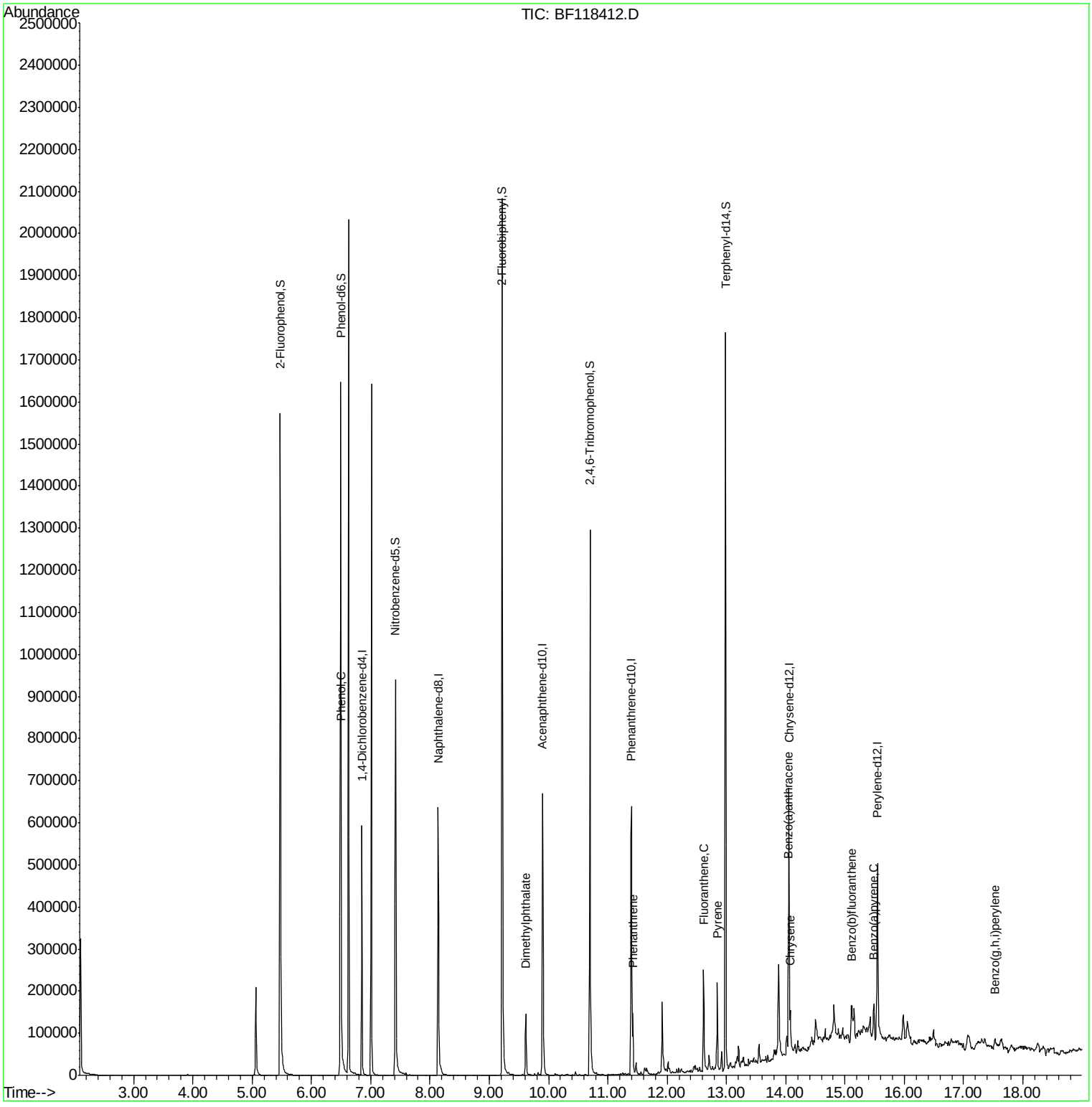
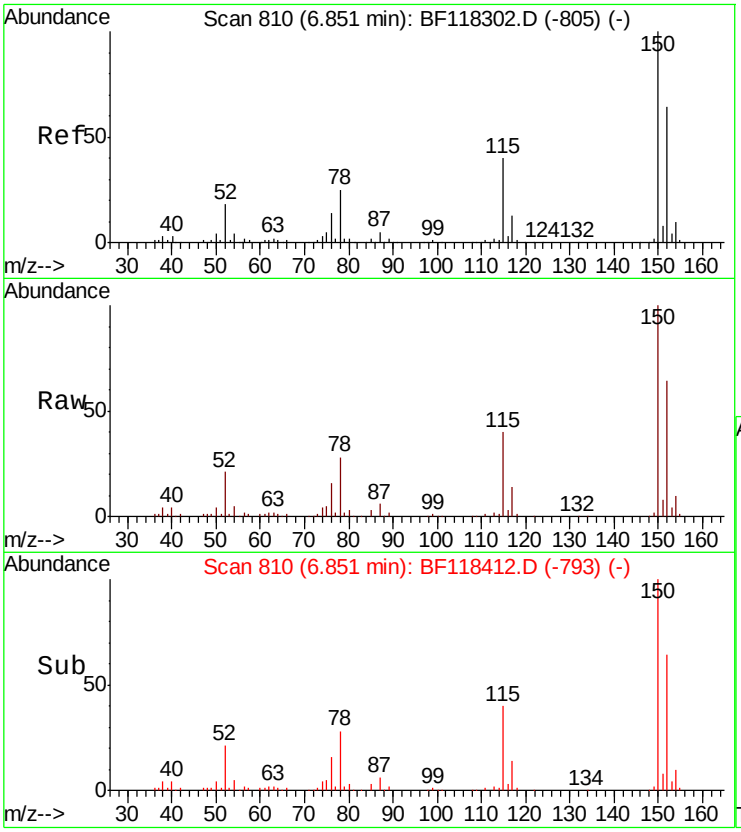
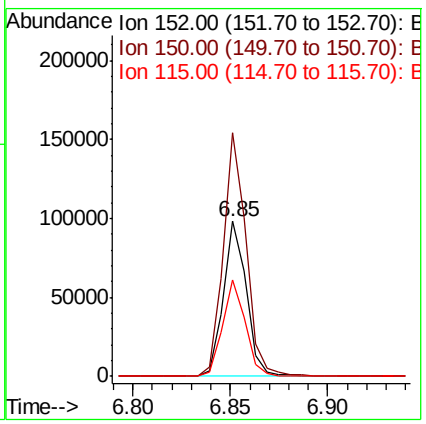




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF118412.D
Acq: 31 Dec 2019 18:27

Tgt Ion:152 Resp: 79808

Ion	Ratio	Lower	Upper
152	100		
150	157.1	125.4	188.2
115	62.1	50.2	75.4



Instrument :
BNA_F
ClientSampleId :
GP-9-(1-3)

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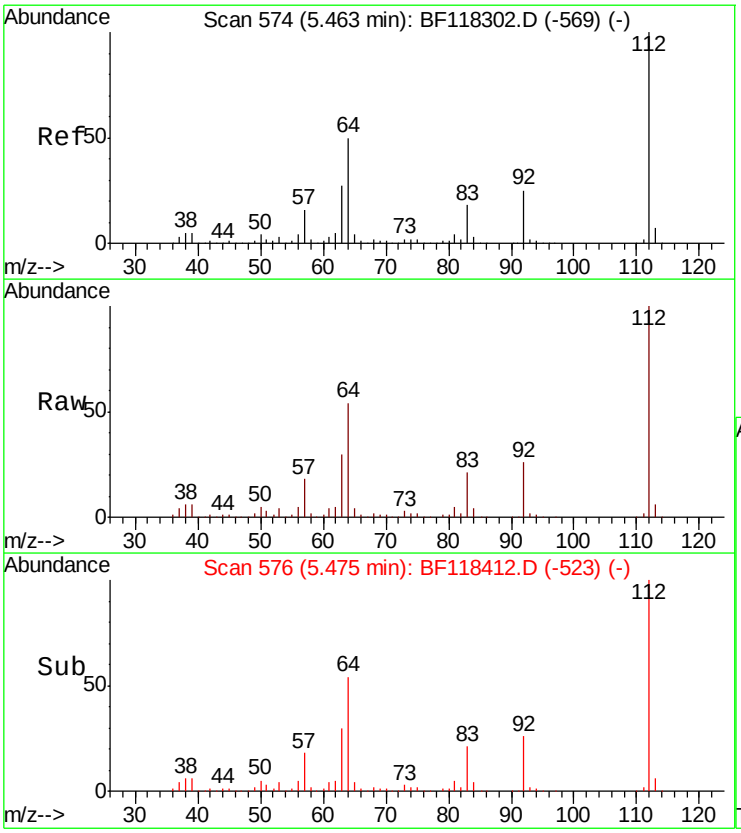
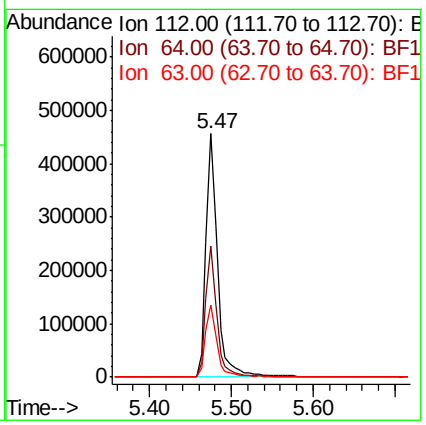
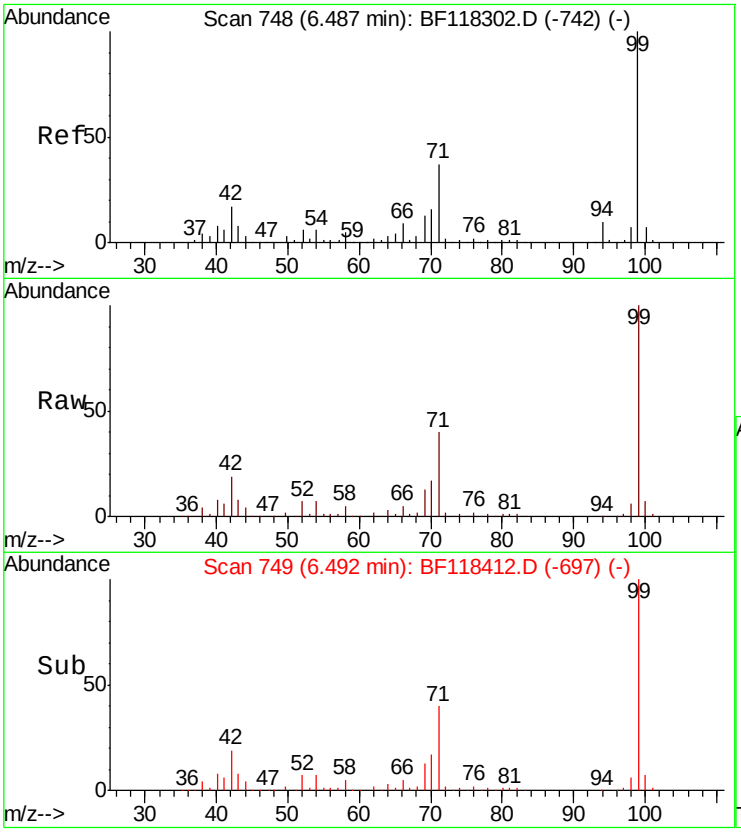


#5
2-Fluorophenol
Concen: 96.839 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF118412.D
Acq: 31 Dec 2019 18:27

Tgt Ion:112 Resp: 452759

Ion	Ratio	Lower	Upper
112	100		
64	53.9	39.7	59.5
63	29.6	21.7	32.5

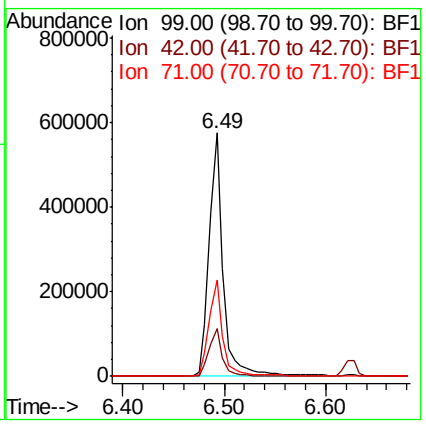




#7
Phenol-d6
Concen: 96.090 ng
RT: 6.49 min Scan# 749
Delta R.T. 0.01 min
Lab File: BF118412.D
Acq: 31 Dec 2019 18:27

Tgt Ion: 99 Resp: 557314

Ion	Ratio	Lower	Upper
99	100		
42	19.4	13.5	20.3
71	39.6	29.4	44.2



Instrument :
BNA_F
ClientSampleId :
GP-9-(1-3)

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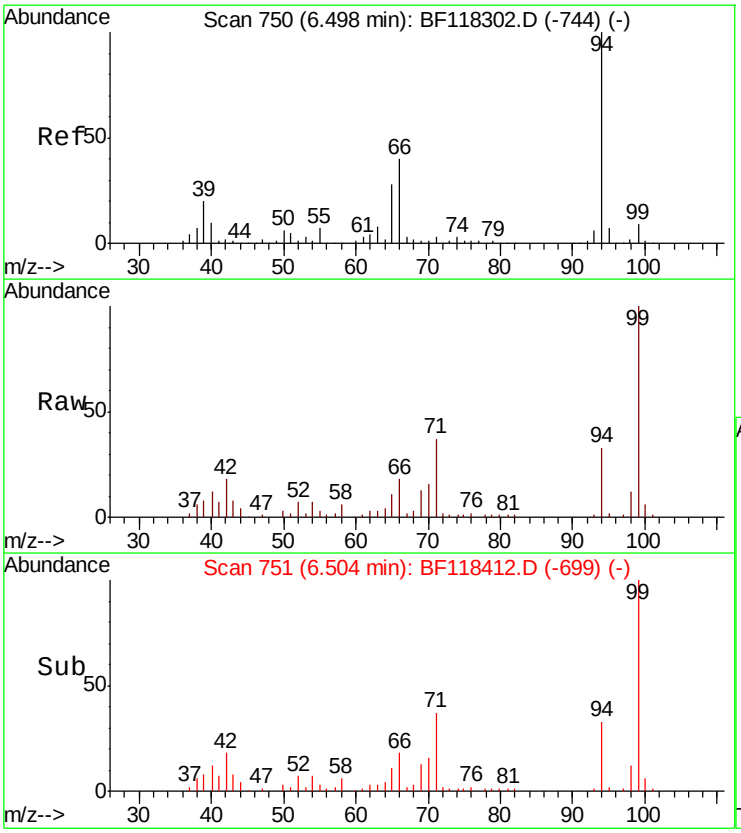
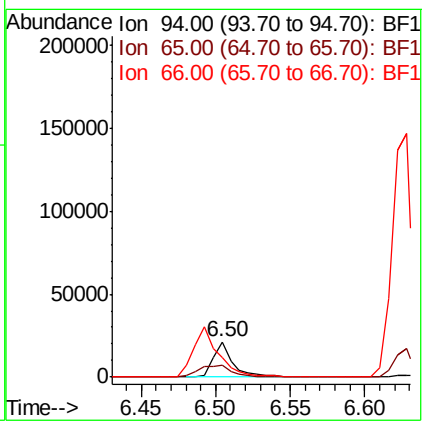
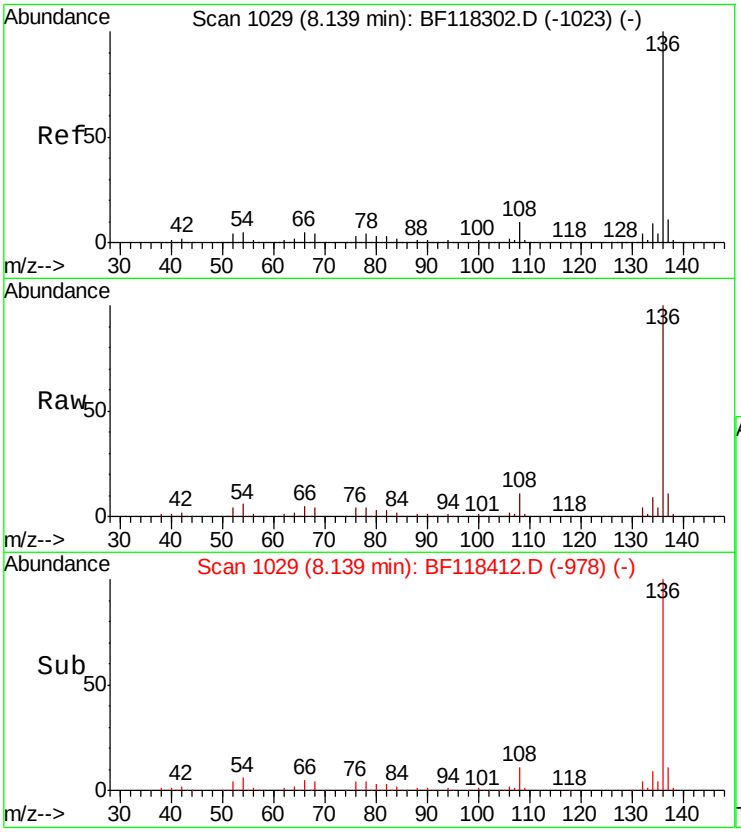


#10
Phenol
Concen: 3.019 ng
RT: 6.50 min Scan# 751
Delta R.T. 0.01 min
Lab File: BF118412.D
Acq: 31 Dec 2019 18:27

Tgt Ion: 94 Resp: 19678

Ion	Ratio	Lower	Upper
94	100		
65	33.6	7.8	47.8
66	55.3	20.4	60.4

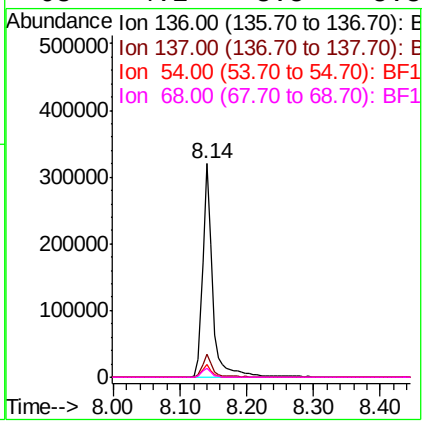




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF118412.D
Acq: 31 Dec 2019 18:27

Tgt Ion:136 Resp: 327238

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	5.8	4.2	6.4
68	4.2	3.5	5.3



Instrument :
BNA_F
ClientSampleId :
GP-9-(1-3)

Manual Integrations APPROVED
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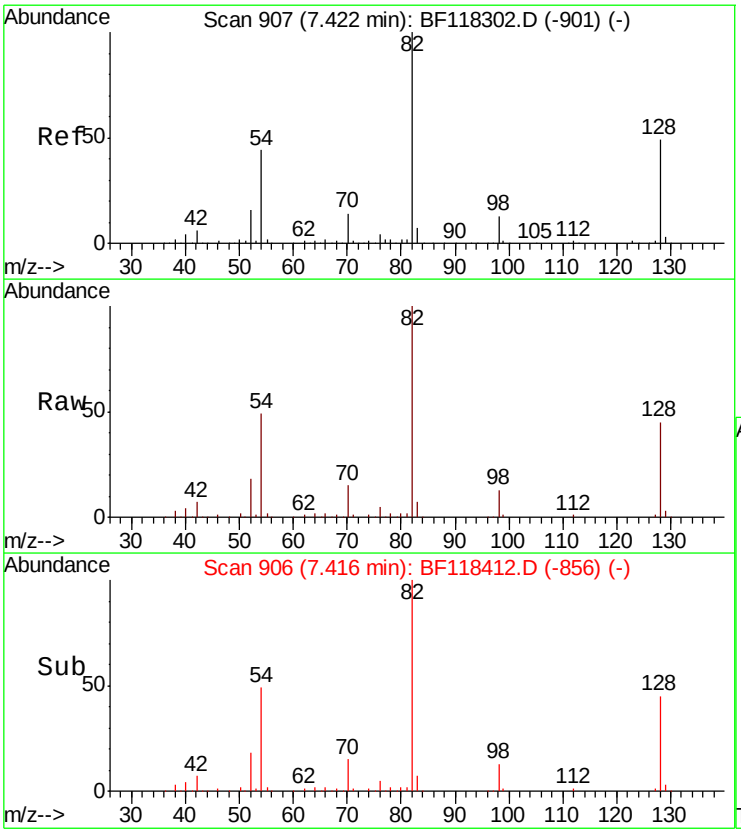
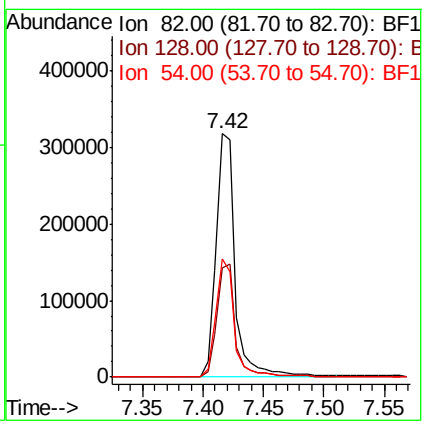
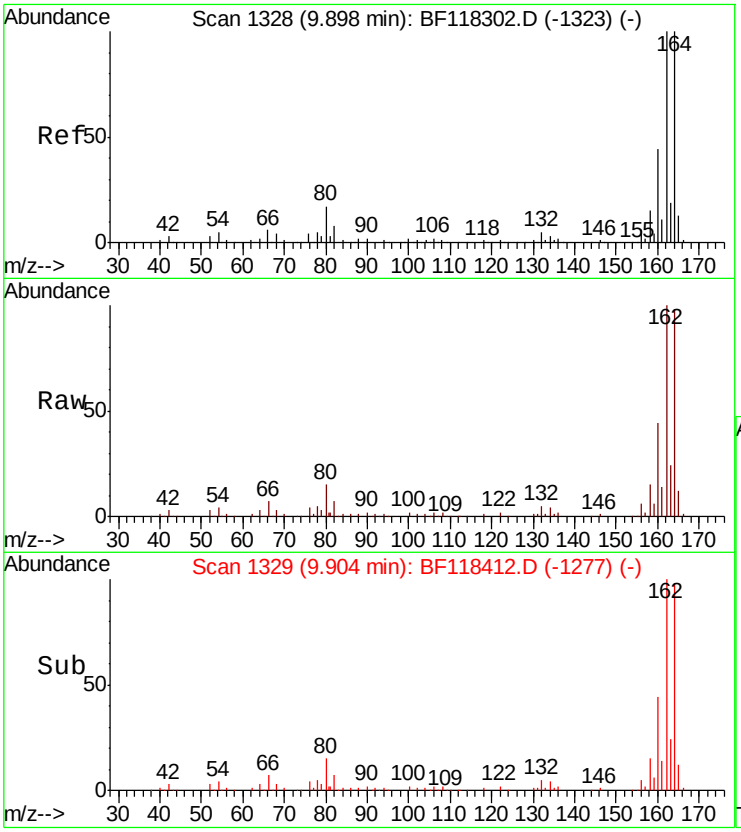


#23
Nitrobenzene-d5
Concen: 60.201 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118412.D
Acq: 31 Dec 2019 18:27

Tgt Ion: 82 Resp: 344435

Ion	Ratio	Lower	Upper
82	100		
128	44.7	39.6	59.4
54	48.5	34.9	52.3

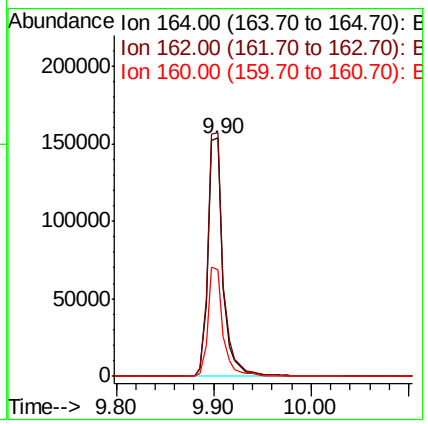




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.01 min
Lab File: BF118412.D
Acq: 31 Dec 2019 18:27

Tgt Ion:164 Resp: 164585

Ion	Ratio	Lower	Upper
164	100		
162	102.3	80.0	120.0
160	44.9	34.8	52.2



Instrument :
BNA_F
ClientSampleId :
GP-9-(1-3)

Manual Integrations APPROVED
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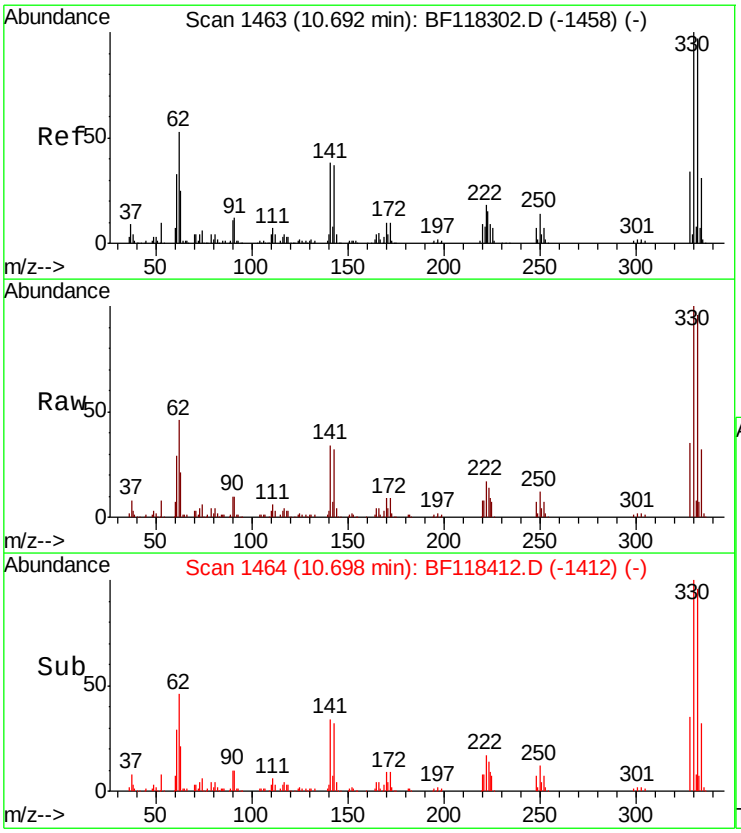
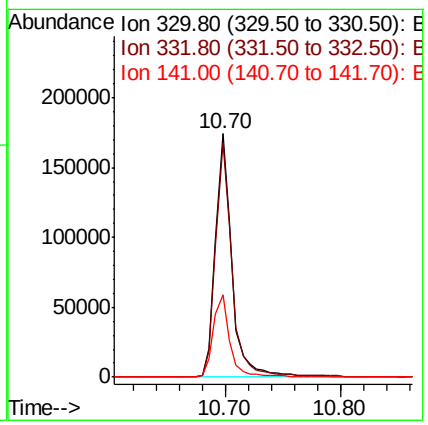
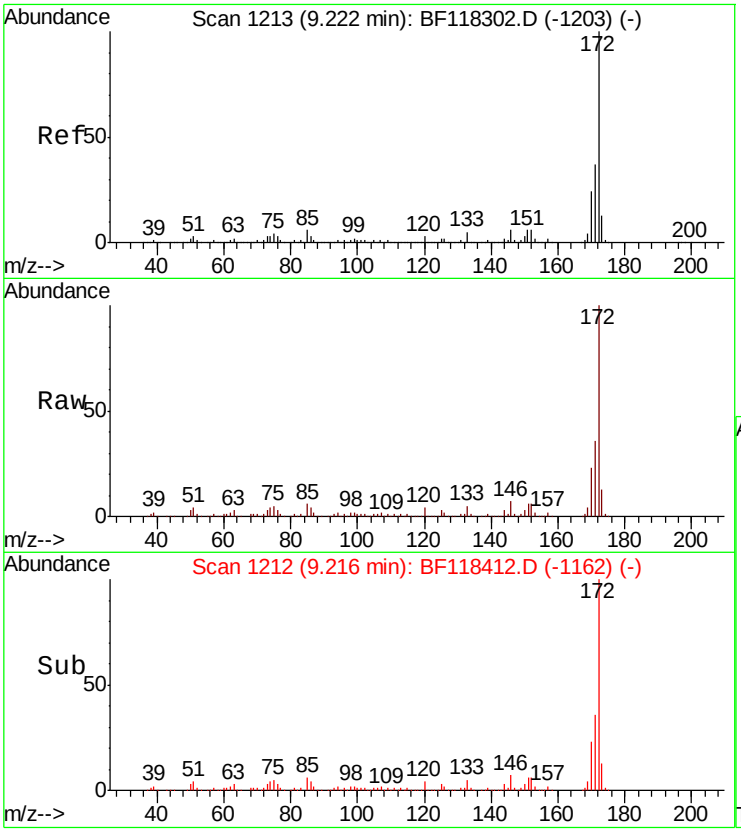


#42
2,4,6-Tribromophenol
Concen: 85.180 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.01 min
Lab File: BF118412.D
Acq: 31 Dec 2019 18:27

Tgt Ion:330 Resp: 173128

Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.6	114.8
141	34.5	26.0	39.0

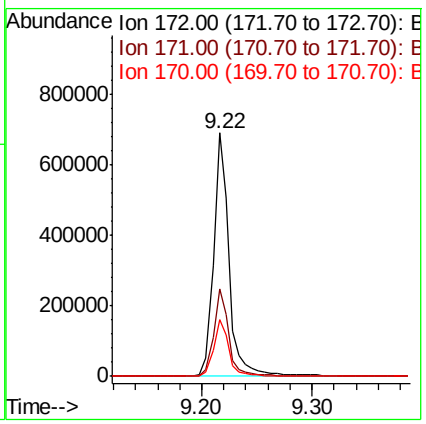




#45
2-Fluorobiphenyl
Concen: 61.977 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118412.D
Acq: 31 Dec 2019 18:27

Tgt Ion:172 Resp: 668241

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.3	43.9
170	23.2	19.2	28.8



Instrument :
BNA_F
ClientSampleId :
GP-9-(1-3)

Manual Integrations APPROVED
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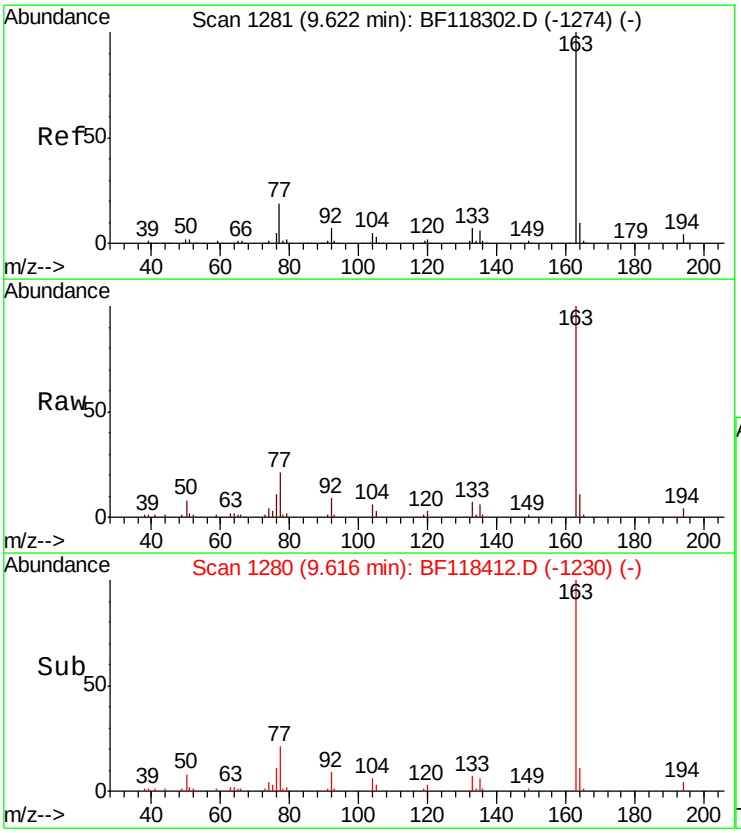
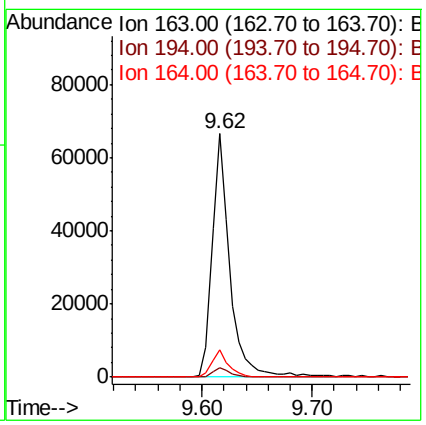
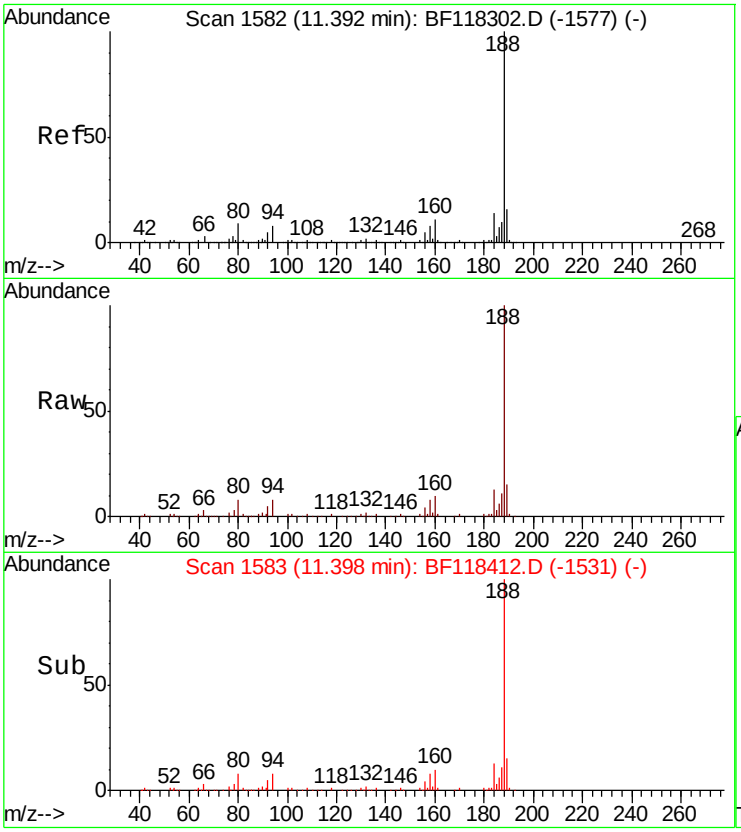


#50
Dimethylphthalate
Concen: 5.918 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF118412.D
Acq: 31 Dec 2019 18:27

Tgt Ion:163 Resp: 73108

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	11.0	7.9	11.9

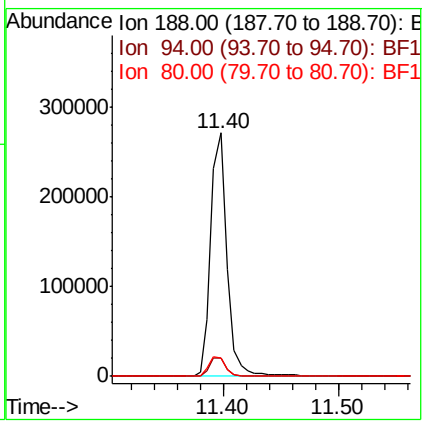




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF118412.D
Acq: 31 Dec 2019 18:27

Tgt Ion:188 Resp: 267458

Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.7	10.1
80	7.6	7.2	10.8



Instrument :
BNA_F
ClientSampleId :
GP-9-(1-3)

Manual Integrations APPROVED
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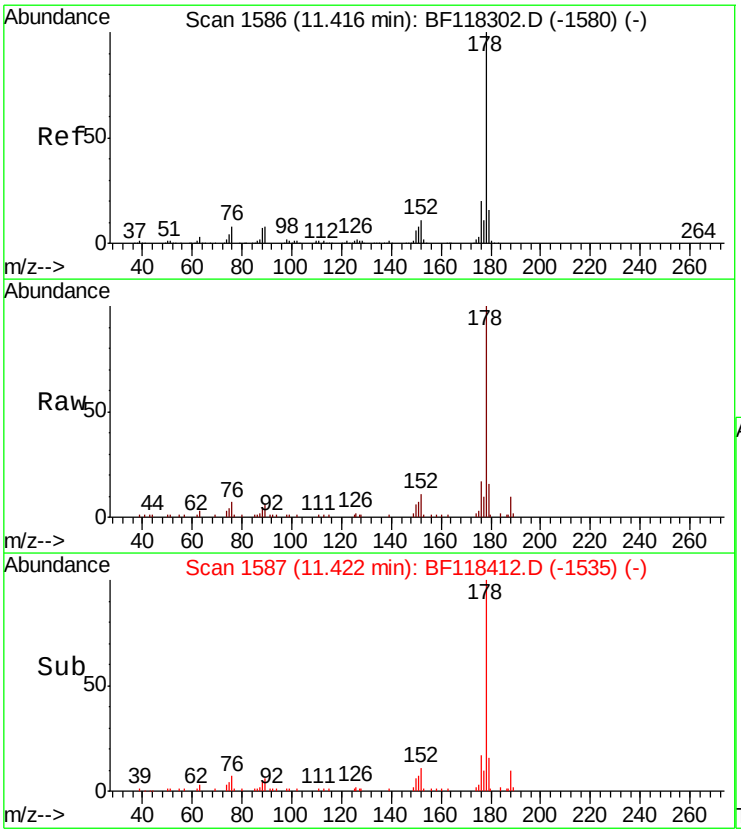
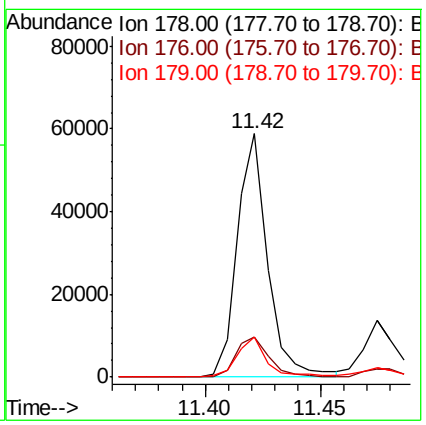
1/2/2020 11:50:05 AM

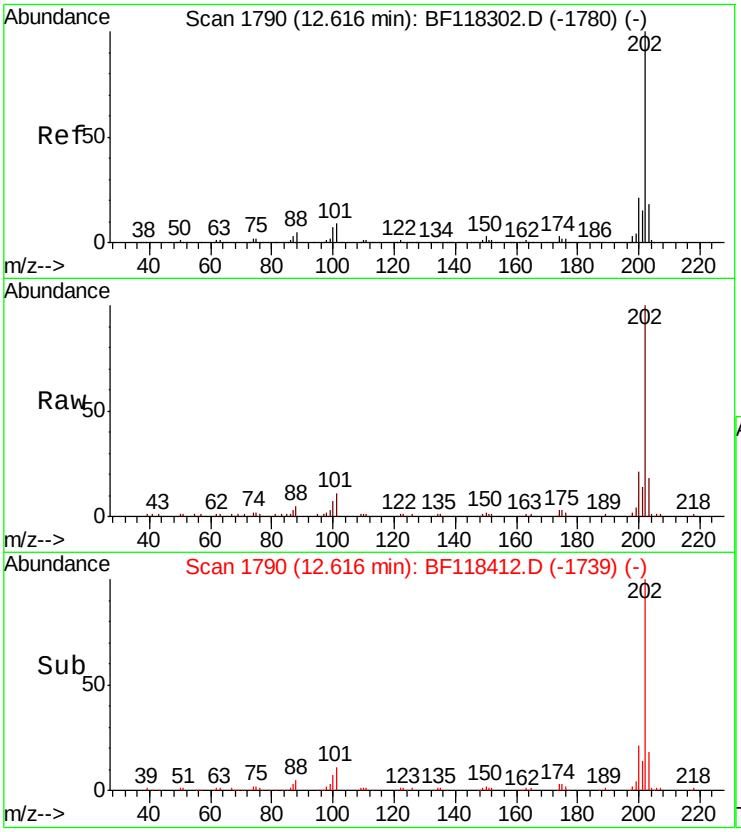


#71
Phenanthrene
Concen: 3.711 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF118412.D
Acq: 31 Dec 2019 18:27

Tgt Ion:178 Resp: 54103

Ion	Ratio	Lower	Upper
178	100		
176	16.7	15.6	23.4
179	16.5	12.6	19.0

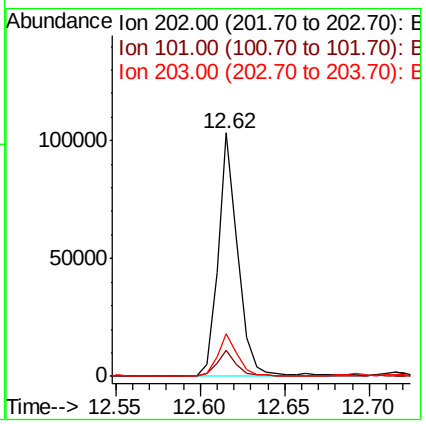




#75
Fluoranthene
Concen: 5.748 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.00 min
Lab File: BF118412.D
Acq: 31 Dec 2019 18:27

Tgt Ion:202 Resp: 84574

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	29.5
203	17.8	0.0	37.6



Instrument :
BNA_F
ClientSampleId :
GP-9-(1-3)

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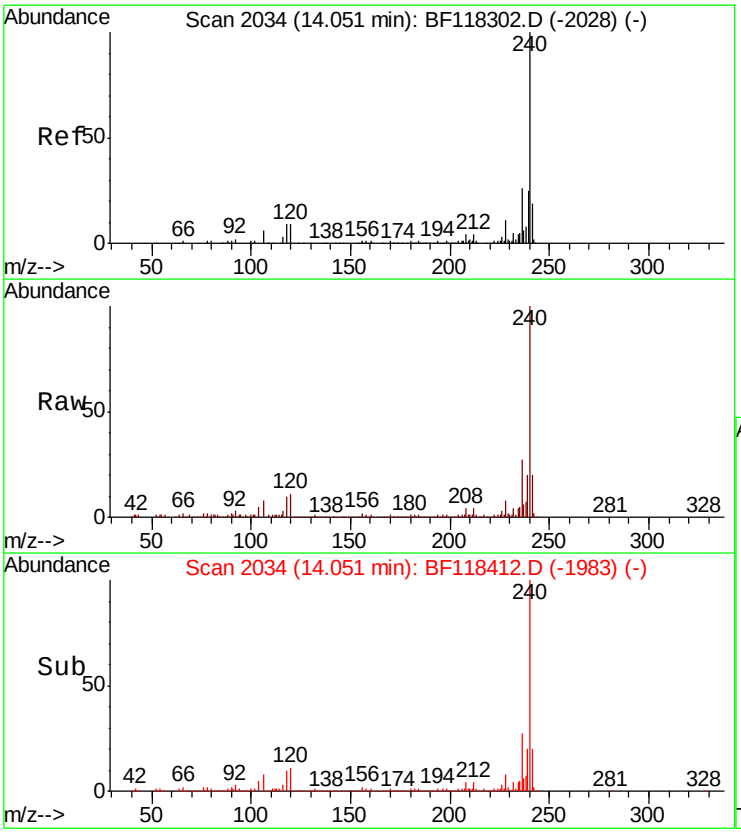
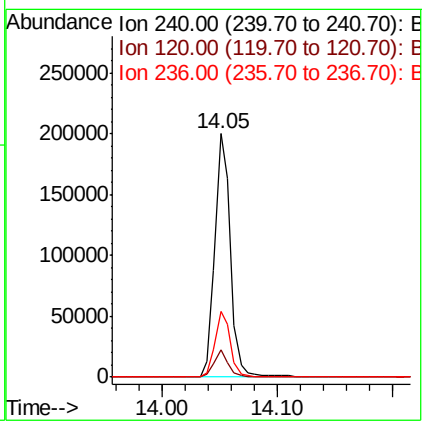
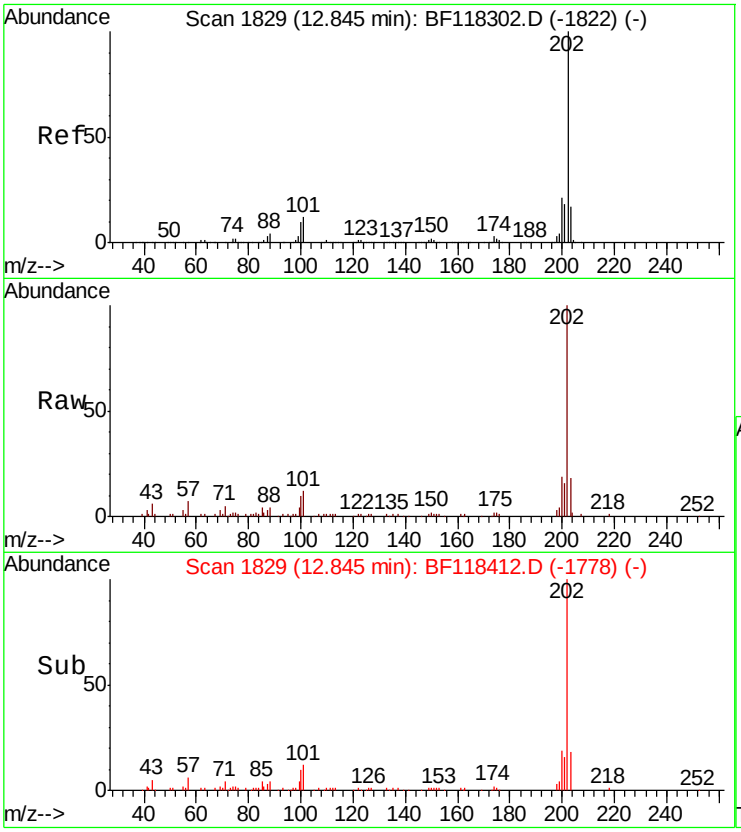


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF118412.D
Acq: 31 Dec 2019 18:27

Tgt Ion:240 Resp: 188228

Ion	Ratio	Lower	Upper
240	100		
120	11.0	7.1	10.7#
236	26.7	21.0	31.6

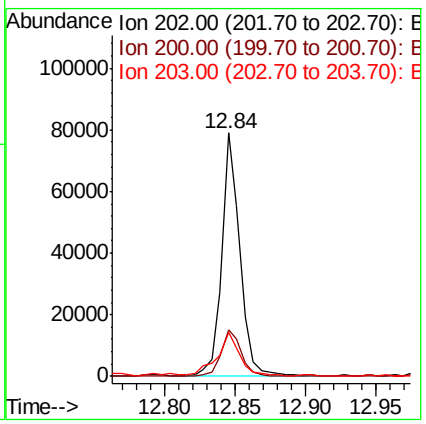




#78
Pyrene
Concen: 4.602 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BF118412.D
Acq: 31 Dec 2019 18:27

Tgt Ion:202 Resp: 70738

Ion	Ratio	Lower	Upper
202	100		
200	19.3	16.8	25.2
203	18.2	13.9	20.9



Instrument :
BNA_F
ClientSampleId :
GP-9-(1-3)

Manual Integrations APPROVED
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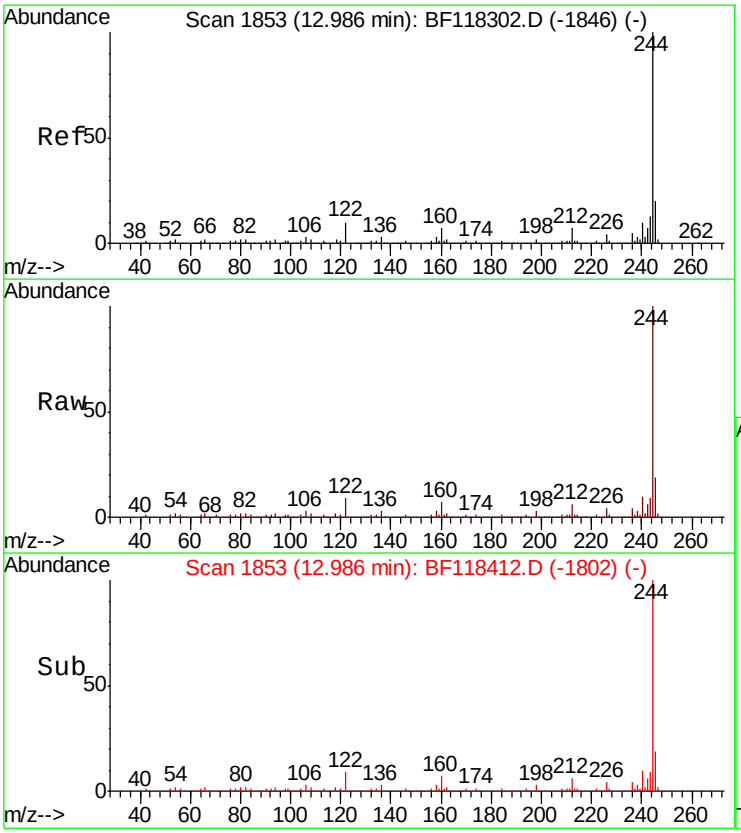
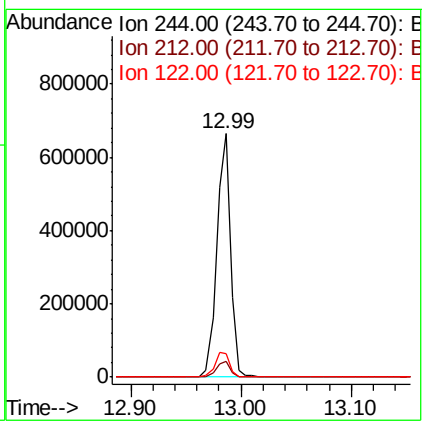
1/2/2020 11:50:05 AM

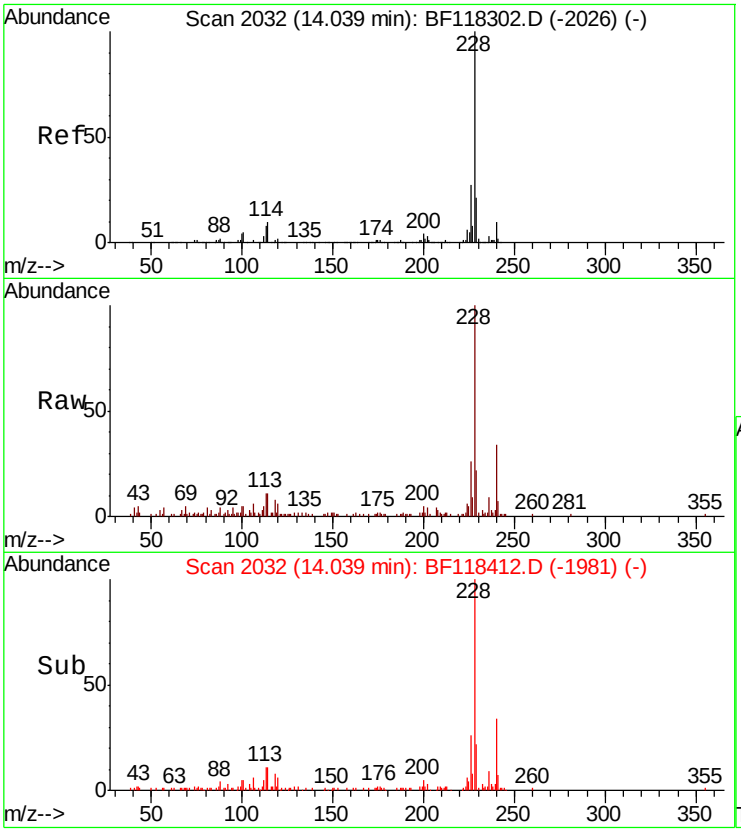


#79
Terphenyl-d14
Concen: 50.661 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.00 min
Lab File: BF118412.D
Acq: 31 Dec 2019 18:27

Tgt Ion:244 Resp: 574783

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.2
122	9.4	7.8	11.8

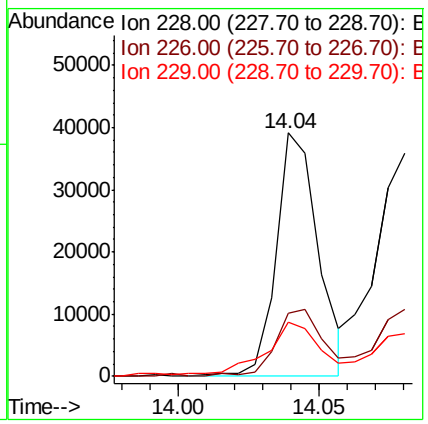




#81
Benzo(a)anthracene
Concen: 3.071 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF118412.D
Acq: 31 Dec 2019 18:27

Tgt Ion:228 Resp: 40466

Ion	Ratio	Lower	Upper
228	100		
226	25.9	22.0	33.0
229	22.2	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
GP-9-(1-3)

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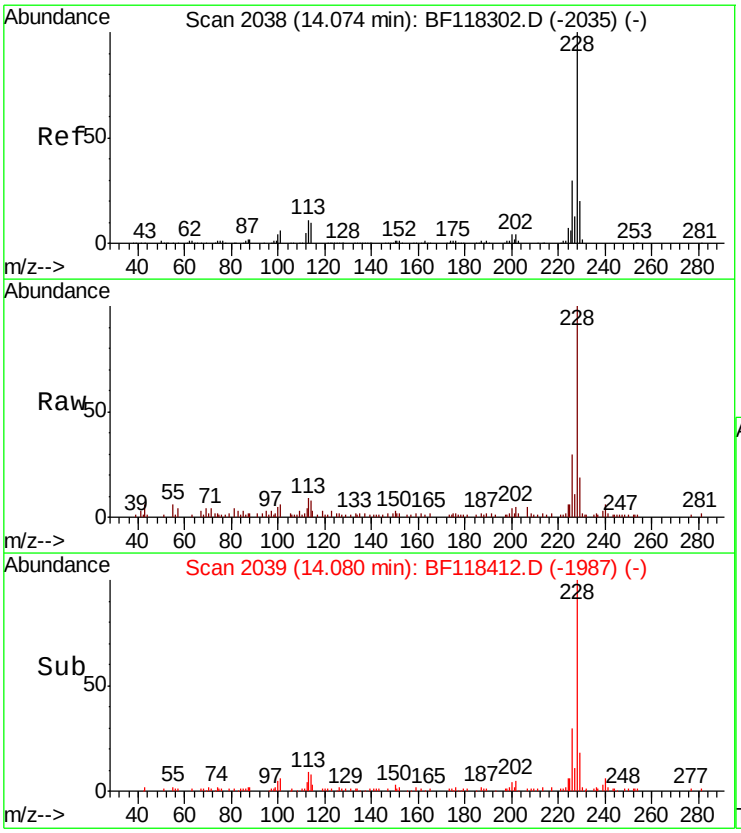
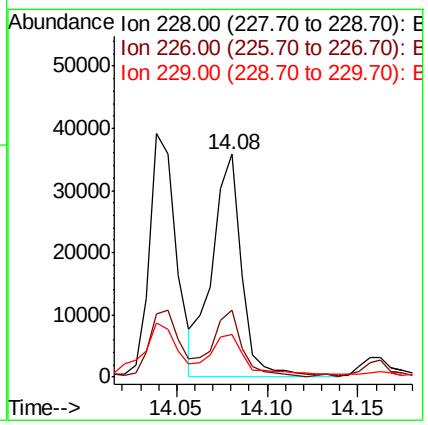
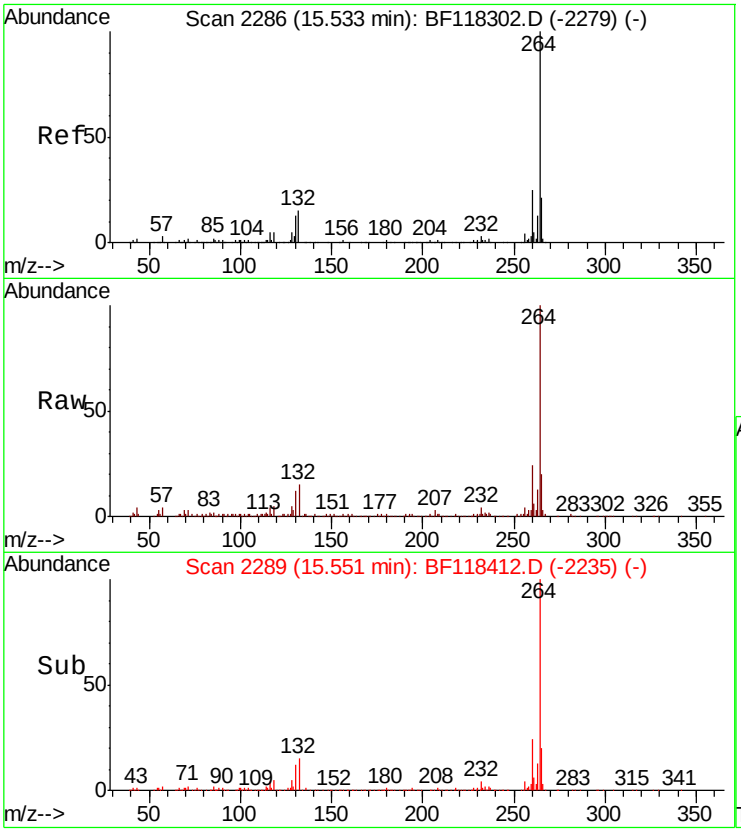


#83
Chrysene
Concen: 3.259 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.01 min
Lab File: BF118412.D
Acq: 31 Dec 2019 18:27

Tgt Ion:228 Resp: 41113

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.9	35.9
229	19.0	16.1	24.1

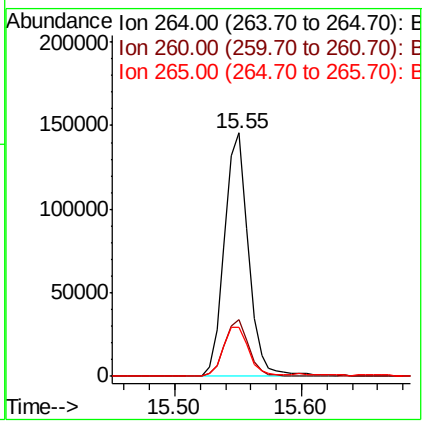




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.02 min
Lab File: BF118412.D
Acq: 31 Dec 2019 18:27

Tgt Ion:264 Resp: 191528

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.8	29.6
265	20.4	17.0	25.4



Instrument :
BNA_F
ClientSampleId :
GP-9-(1-3)

Manual Integrations APPROVED
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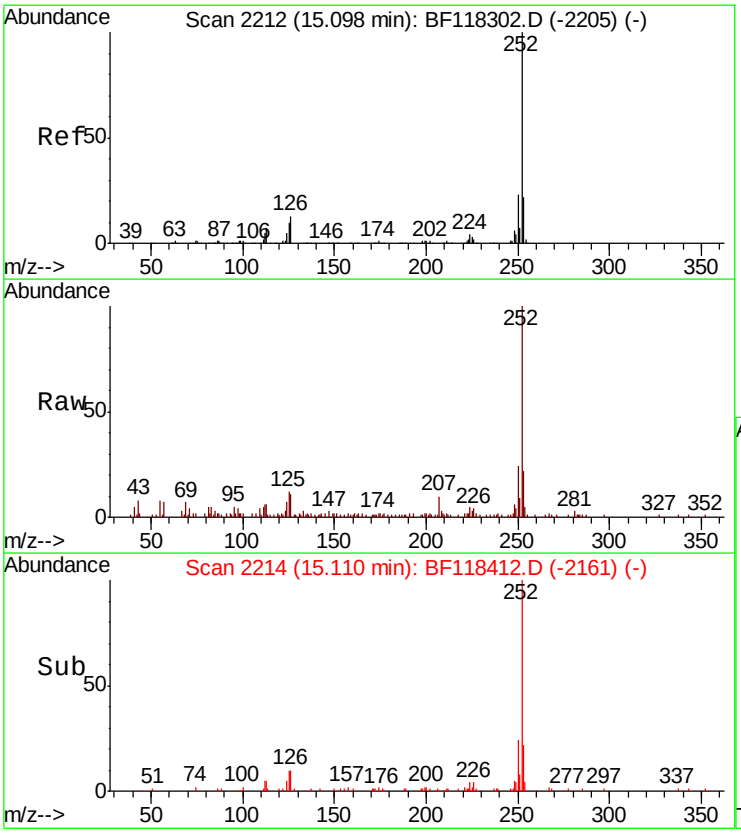
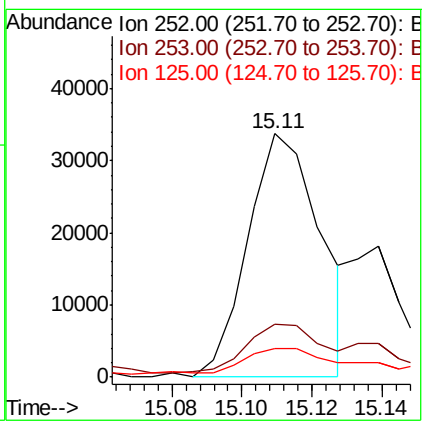
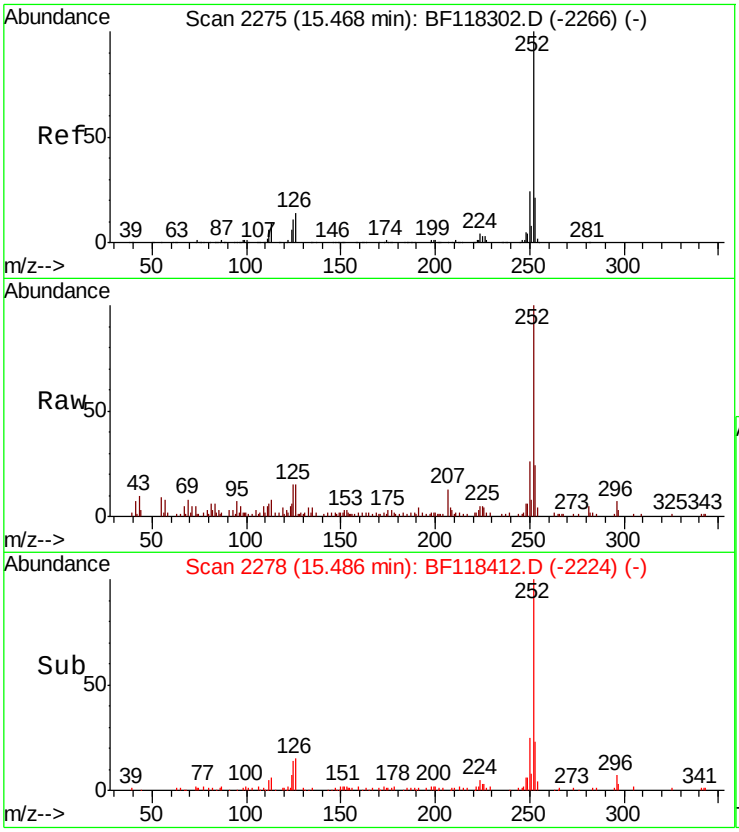


#88
Benzo(b)fluoranthene
Concen: 3.801 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF118412.D
Acq: 31 Dec 2019 18:27

Tgt Ion:252 Resp: 48328

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	11.7	7.7	11.5#

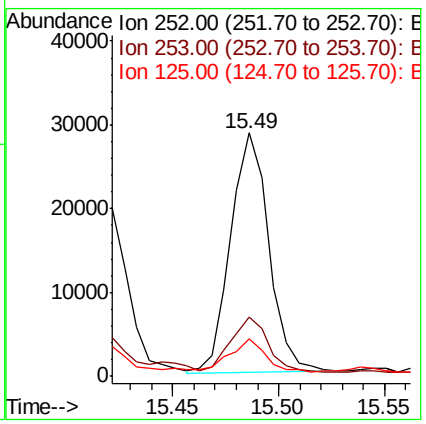




#90
Benzo(a)pyrene
Concen: 3.183 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF118412.D
Acq: 31 Dec 2019 18:27

Tgt Ion:252 Resp: 35644

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	15.2	9.0	13.4#



Instrument :
BNA_F
ClientSampleId :
GP-9-(1-3)

Manual Integrations APPROVED
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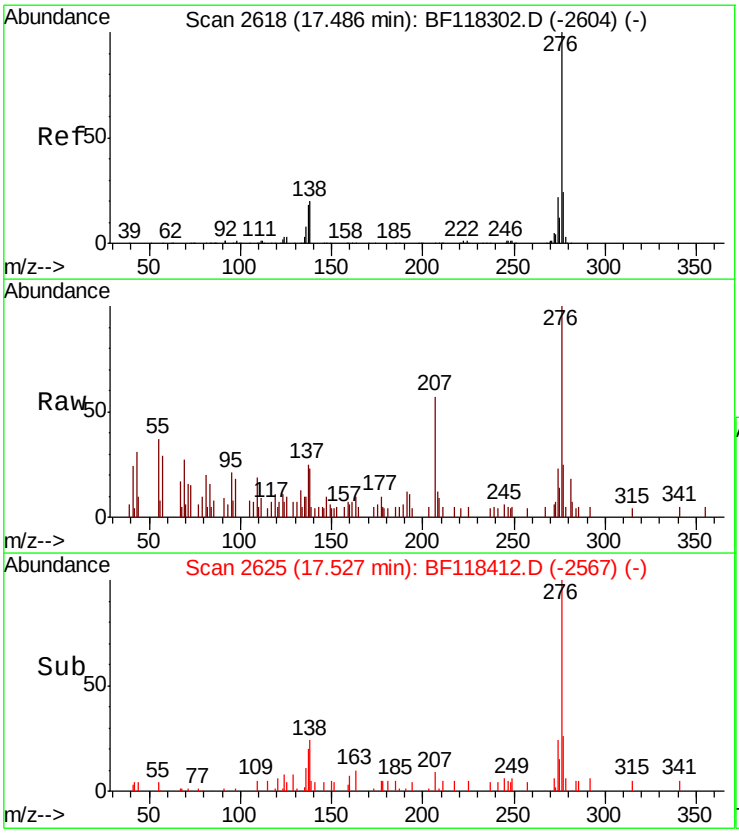

#92
Benzo(g,h,i)perylene
Concen: 2.002 ng
RT: 17.53 min Scan# 2625
Delta R.T. 0.04 min
Lab File: BF118412.D
Acq: 31 Dec 2019 18:27

Tgt Ion:276 Resp: 18797

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.1	28.7
138	22.9	16.1	24.1