Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118352.D
Acq On : 27 Dec 2019 21:59
Operator : JU
Sample : K6431-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-5-(0-2)

Manual Integrations APPROVED
mohammad
12/29/2019 5:28:15 PM

Quant Time: Dec 28 02:49:14 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	141568	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	532366	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	241010	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	383708	20.00	ng	0.00
76) Chrysene-d12	14.05	240	335405	20.00	ng	0.00
87) Perylene-d12	15.54	264	274641	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	373658	45.05	ng	0.00
7) Phenol-d6	6.49	99	461525	44.86	ng	0.00
23) Nitrobenzene-d5	7.42	82	270331	29.04	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	112630	37.84	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	536685	33.99	ng	0.00
79) Terphenyl-d14	12.99	244	525729	26.00	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.62	163	59145	3.269	ng	99
71) Phenanthrene	11.42	178	67085	3.207	ng	99
75) Fluoranthene	12.62	202	143435	6.794	ng	99
78) Pyrene	12.84	202	130166	4.752	ng	98
81) Benzo(a)anthracene	14.04	228	75186	3.202	ng	98
83) Chrysene	14.07	228	65179	2.899	ng	96
88) Benzo(b)fluoranthene	15.10	252	83723m	4.592	ng	
90) Benzo(a)pyrene	15.48	252	51413	3.201	ng	94

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

Quantitation Report (QT/LSC Reviewed)

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Data File : BF118352.D
Acq On : 27 Dec 2019 21:59
Operator : JU
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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Instrument :
BNA_F
ClientSampleId :
SB-5-(0-2)

Manual Integrations APPROVED
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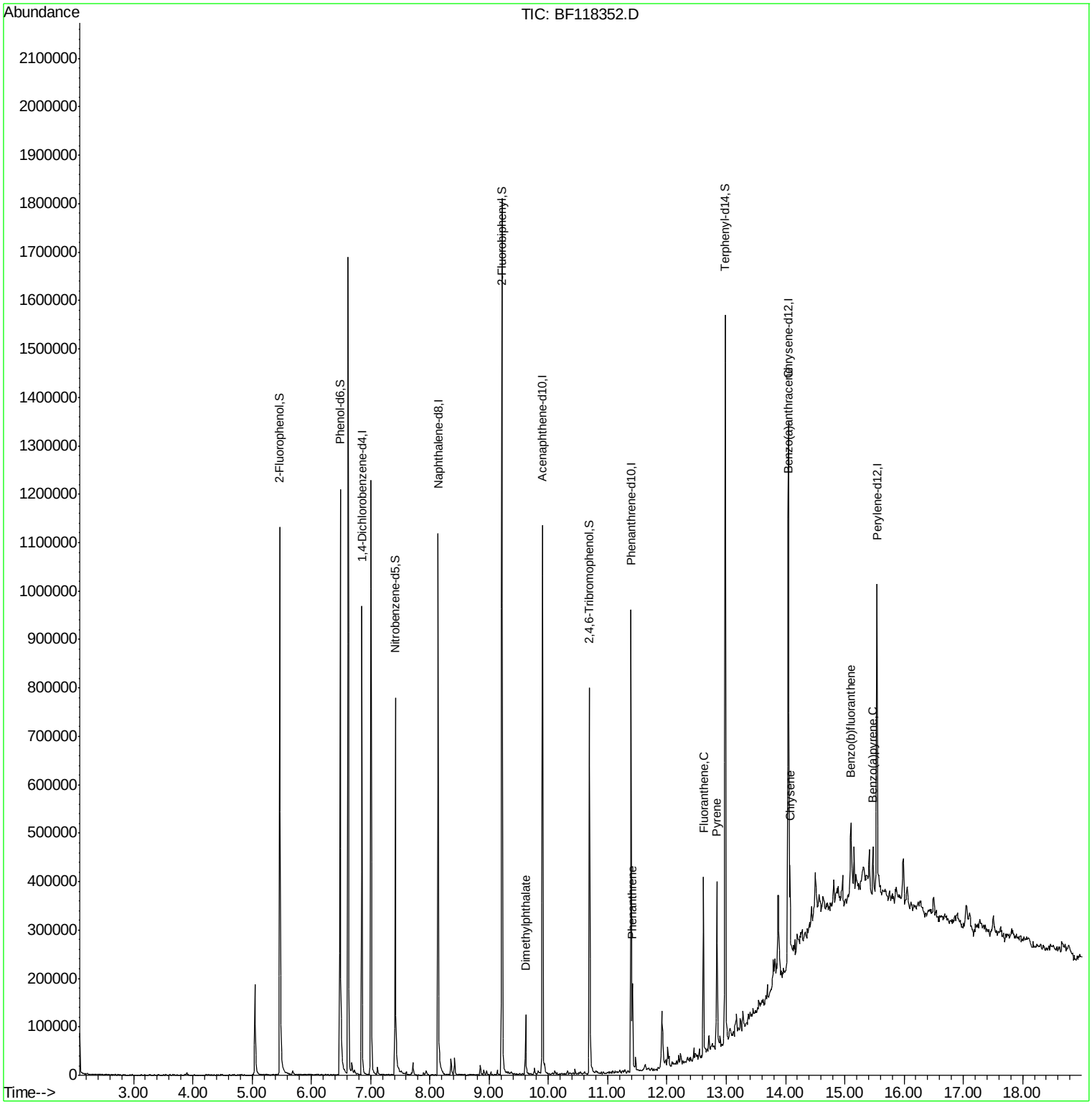
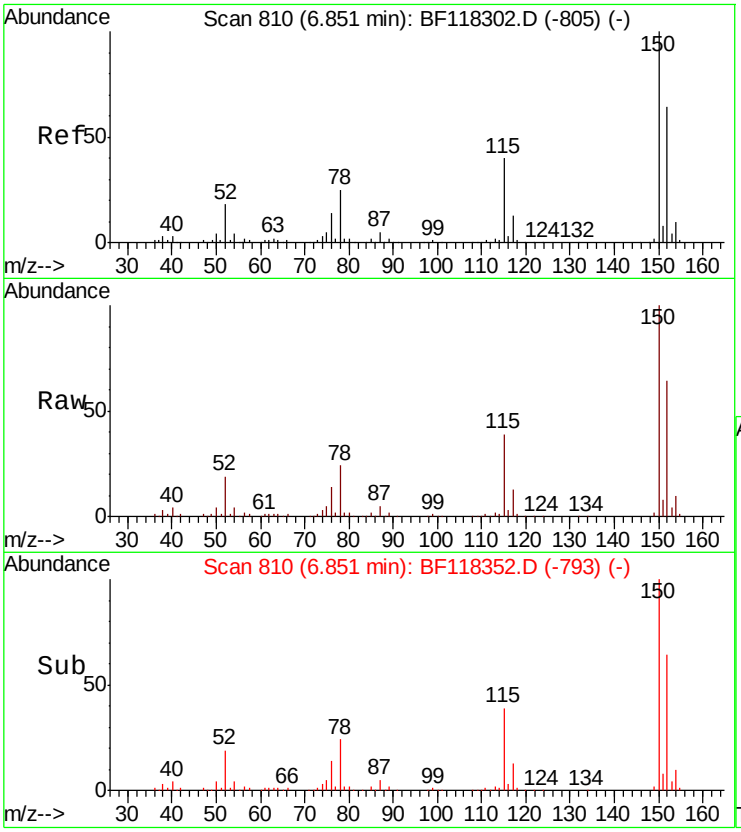
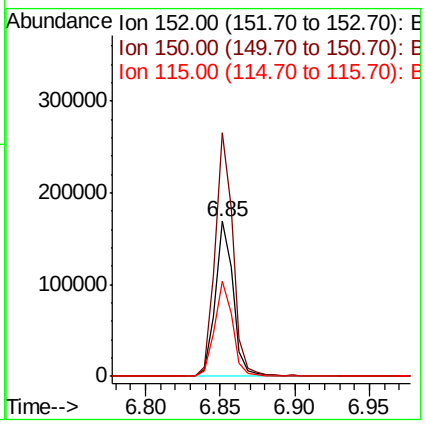




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion:152 Resp: 141568

Ion	Ratio	Lower	Upper
152	100		
150	157.1	125.4	188.2
115	61.5	50.2	75.4



Instrument :
BNA_F
ClientSampleId :
SB-5-(0-2)

Manual Integrations APPROVED
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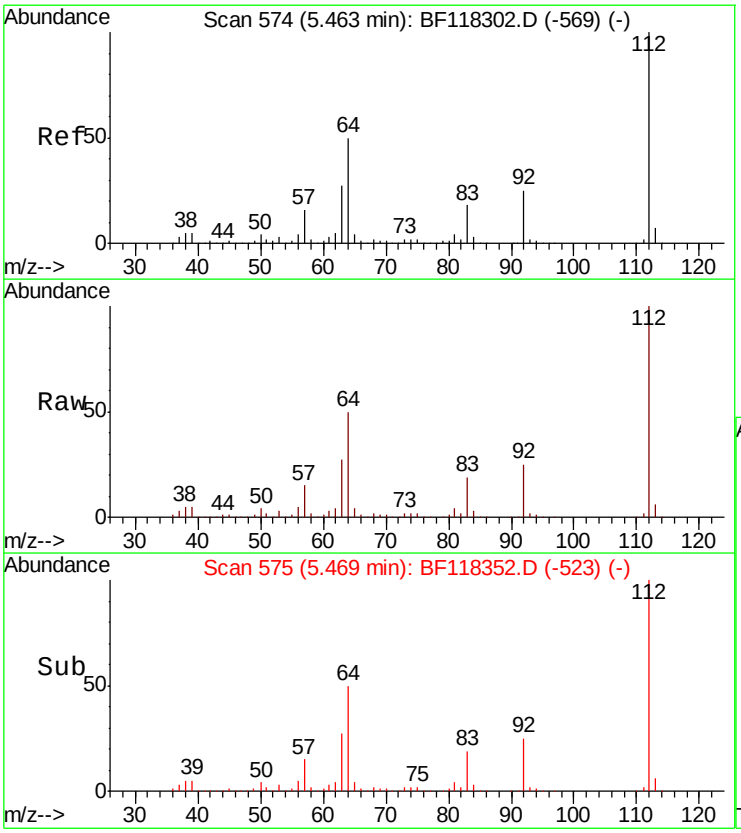
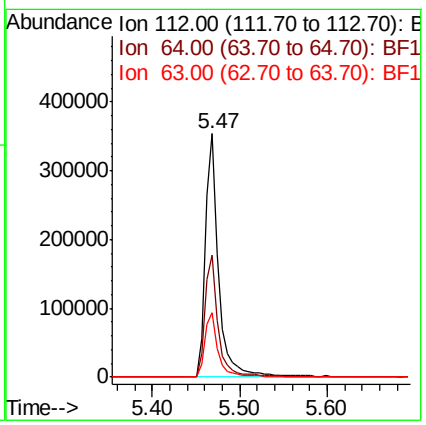
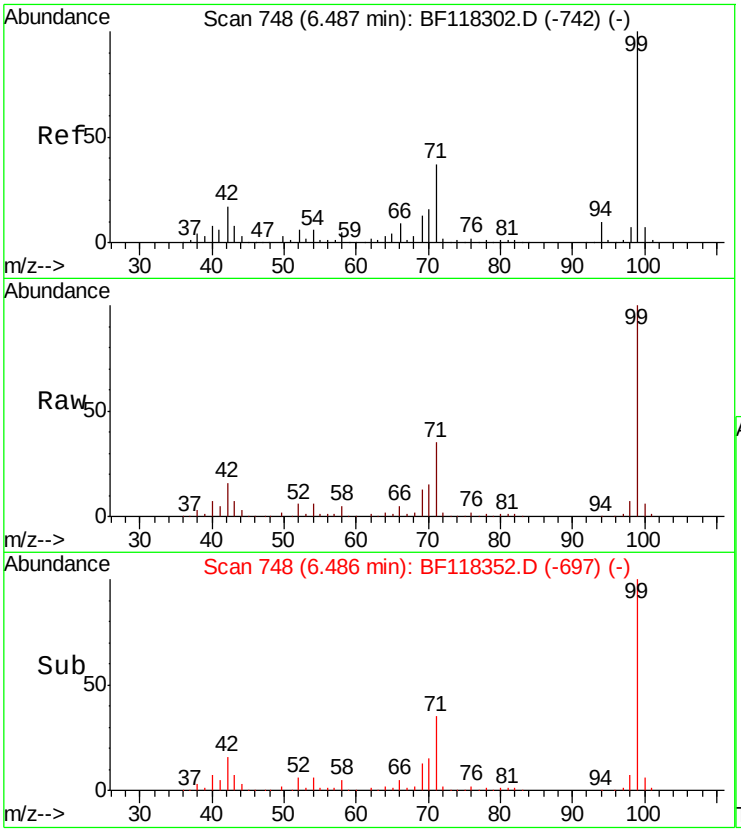


#5
2-Fluorophenol
Concen: 45.055 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion:112 Resp: 373658

Ion	Ratio	Lower	Upper
112	100		
64	50.0	39.7	59.5
63	26.7	21.7	32.5

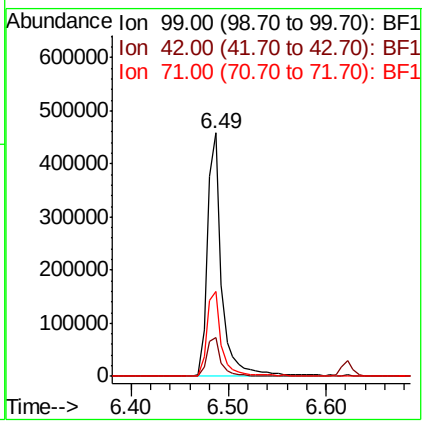




#7
Phenol-d6
Concen: 44.860 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion: 99 Resp: 461525

Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.5	20.3
71	34.8	29.4	44.2



Instrument :
BNA_F
ClientSampleId :
SB-5-(0-2)

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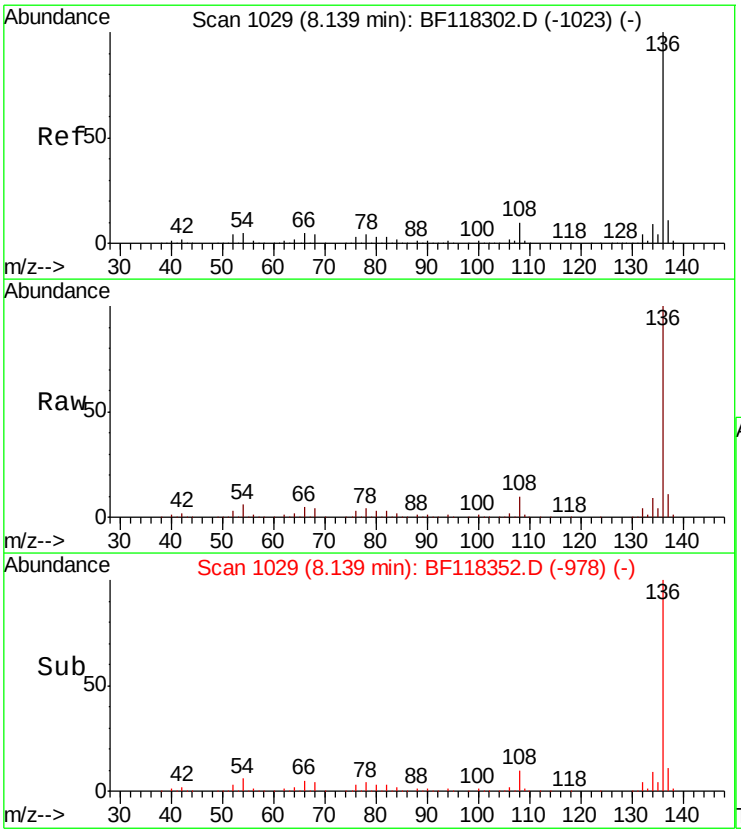
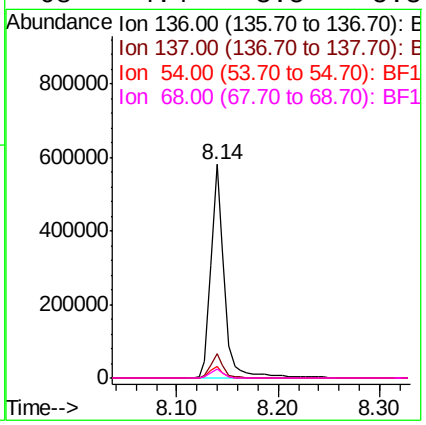
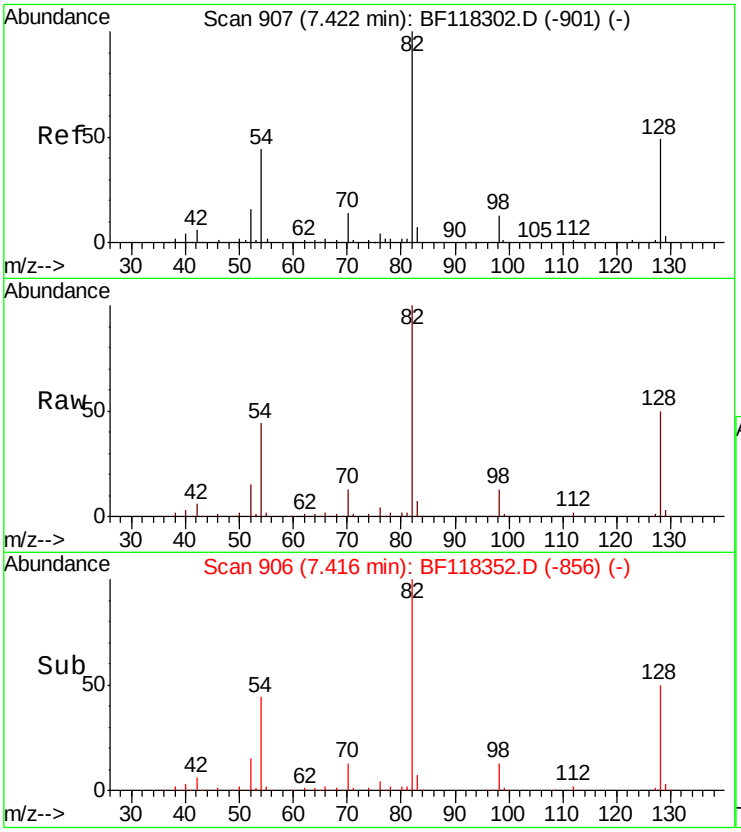


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion:136 Resp: 532366

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	5.5	4.2	6.4
68	4.4	3.5	5.3

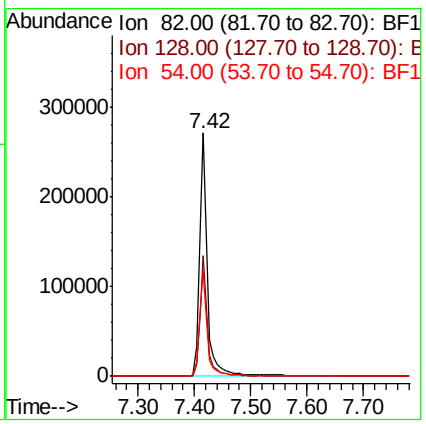




#23
Nitrobenzene-d5
Concen: 29.043 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion: 82 Resp: 270331

Ion	Ratio	Lower	Upper
82	100		
128	49.7	39.6	59.4
54	43.5	34.9	52.3



Instrument :
BNA_F
ClientSampleId :
SB-5-(0-2)

Manual Integrations APPROVED
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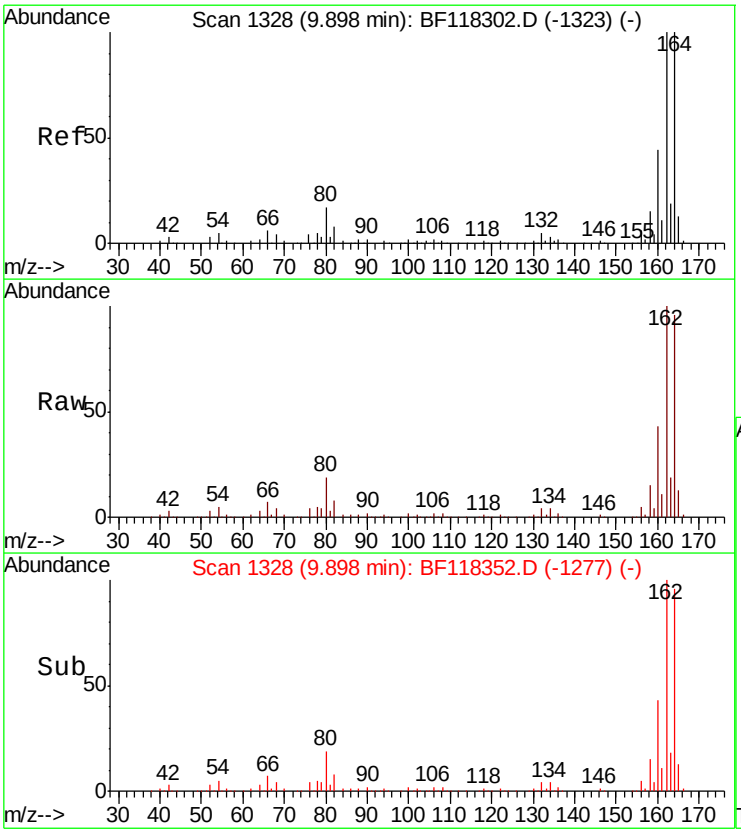
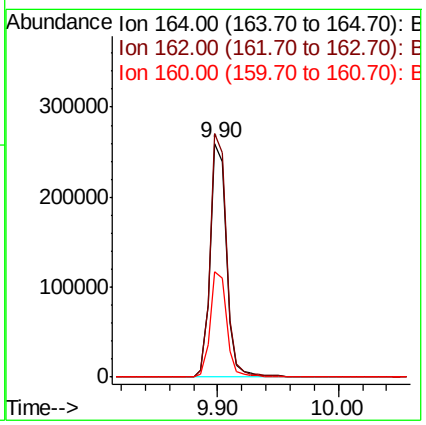
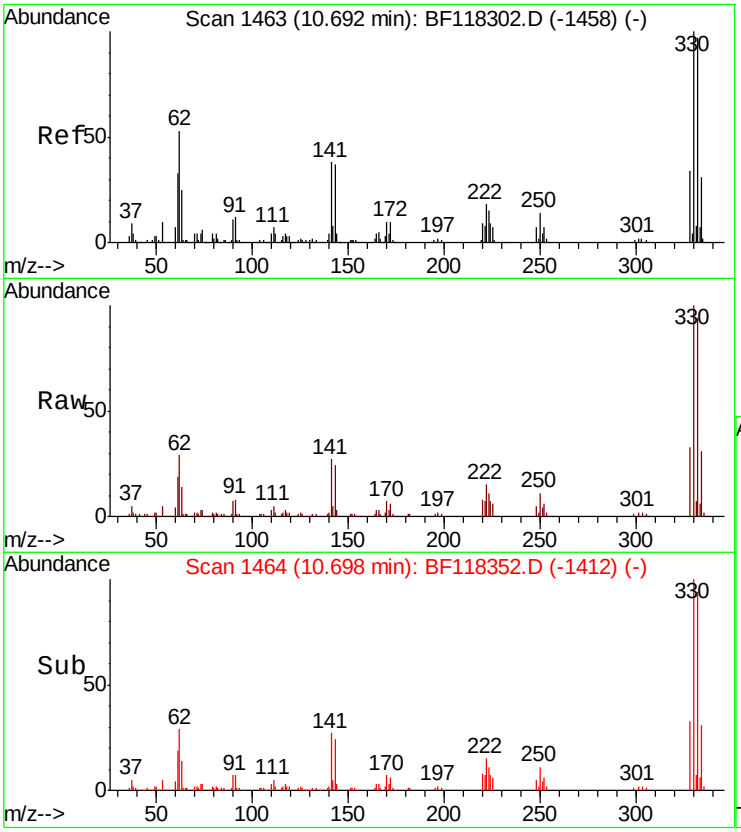


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion:164 Resp: 241010

Ion	Ratio	Lower	Upper
164	100		
162	104.2	80.0	120.0
160	44.9	34.8	52.2

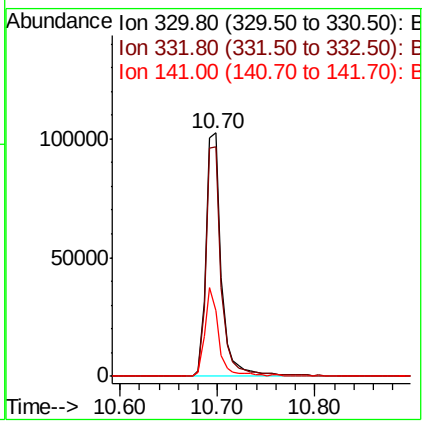




#42
2,4,6-Tribromophenol
Concen: 37.842 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.01 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion:330 Resp: 112630

Ion	Ratio	Lower	Upper
330	100		
332	93.7	76.6	114.8
141	32.0	26.0	39.0



Instrument :
BNA_F
ClientSampleId :
SB-5-(0-2)

Manual Integrations APPROVED
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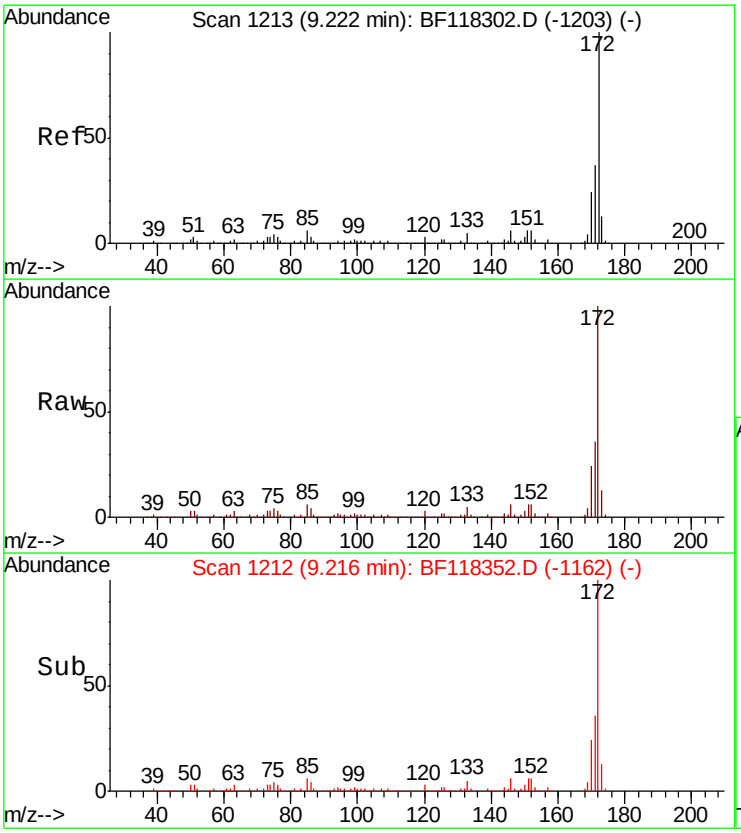
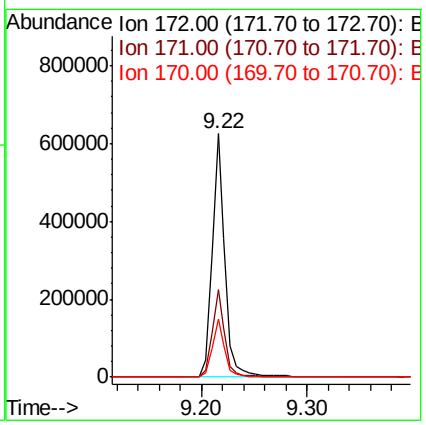
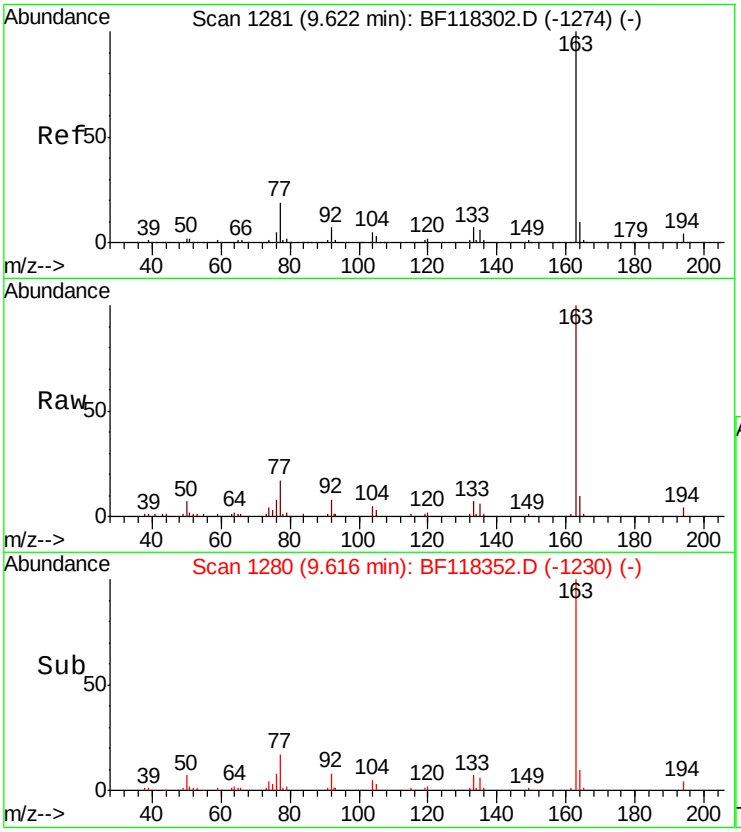


#45
2-Fluorobiphenyl
Concen: 33.992 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion:172 Resp: 536685

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.3	43.9
170	23.6	19.2	28.8

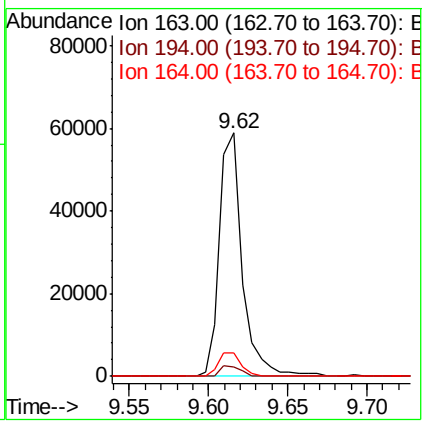




#50
Dimethylphthalate
Concen: 3.269 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion:163 Resp: 59145

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	9.6	7.9	11.9



Instrument :
BNA_F
ClientSampleId :
SB-5-(0-2)

Manual Integrations APPROVED
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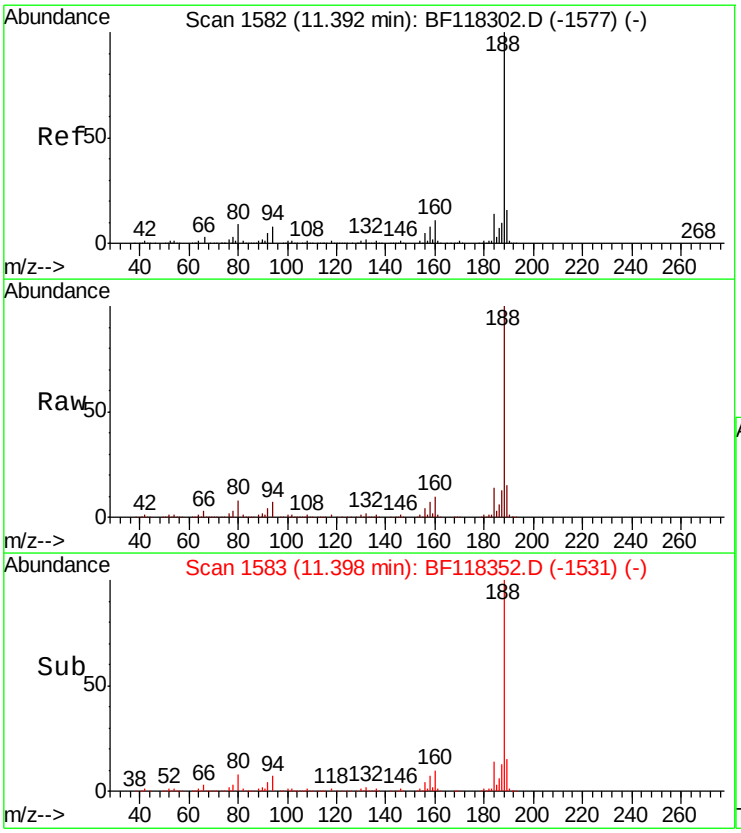
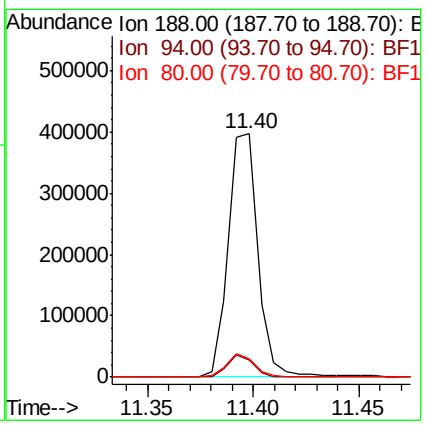
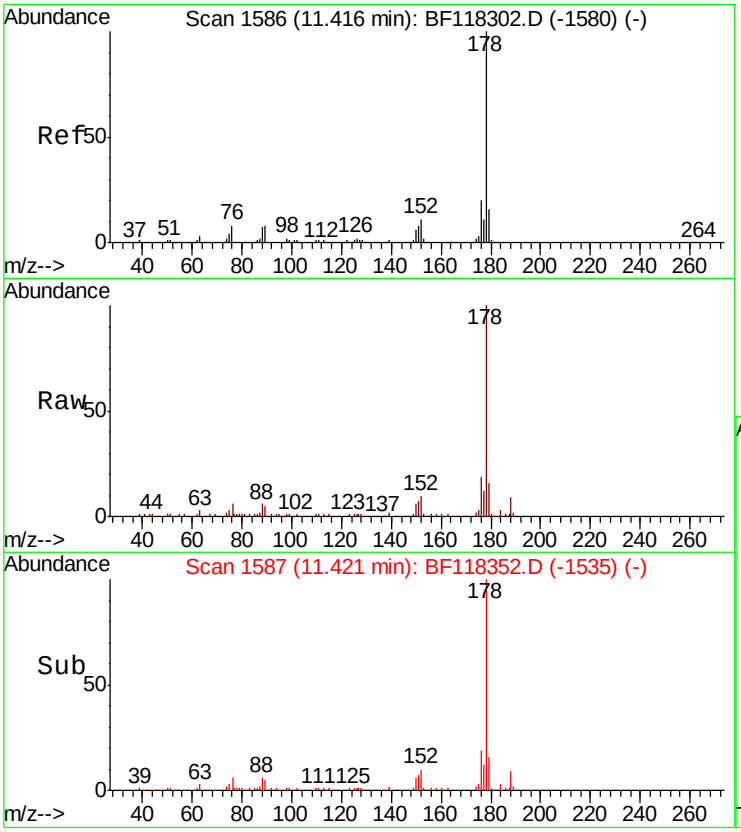


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion:188 Resp: 383708

Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.7	10.1
80	7.5	7.2	10.8

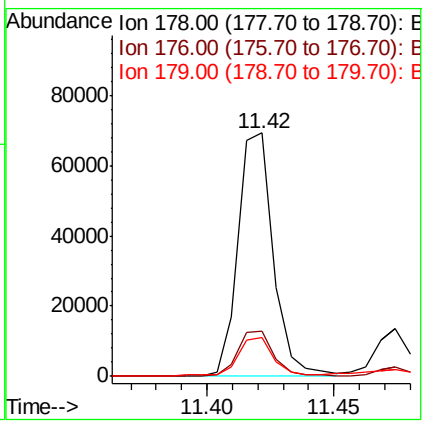




#71
Phenanthrene
Concen: 3.207 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion:178 Resp: 67085

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.6	23.4
179	15.8	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SB-5-(0-2)

Manual Integrations APPROVED
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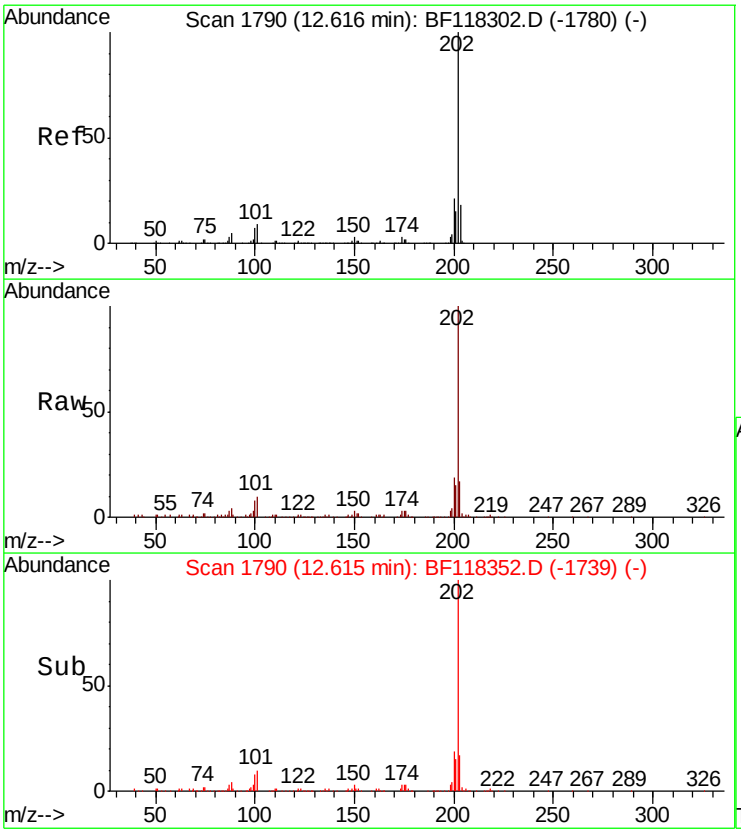
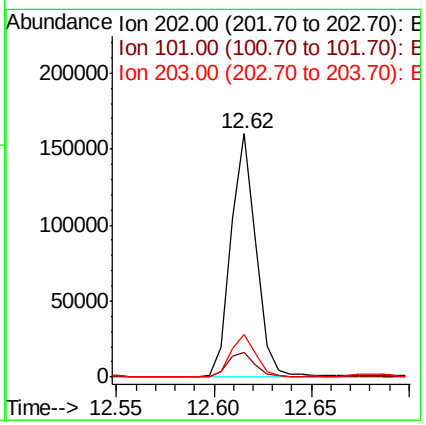
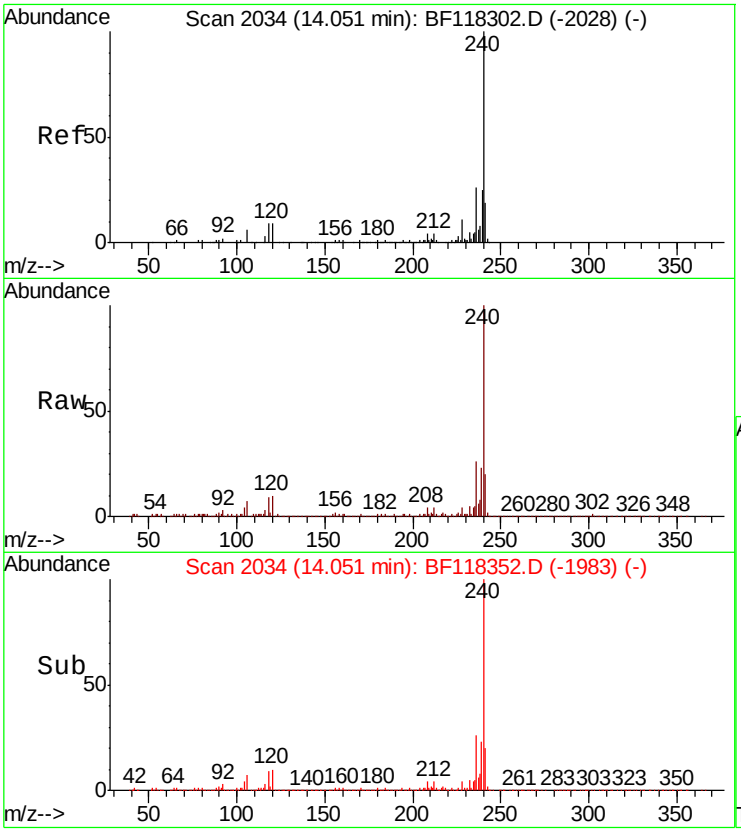


#75
Fluoranthene
Concen: 6.794 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.00 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion:202 Resp: 143435

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	29.5
203	17.4	0.0	37.6

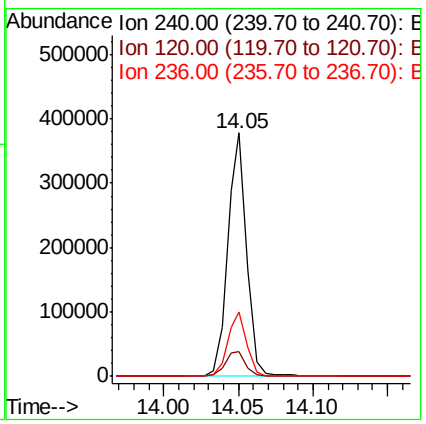




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion:240 Resp: 335405

Ion	Ratio	Lower	Upper
240	100		
120	10.2	7.1	10.7
236	26.4	21.0	31.6



Instrument :
BNA_F
ClientSampleId :
SB-5-(0-2)

Manual Integrations APPROVED
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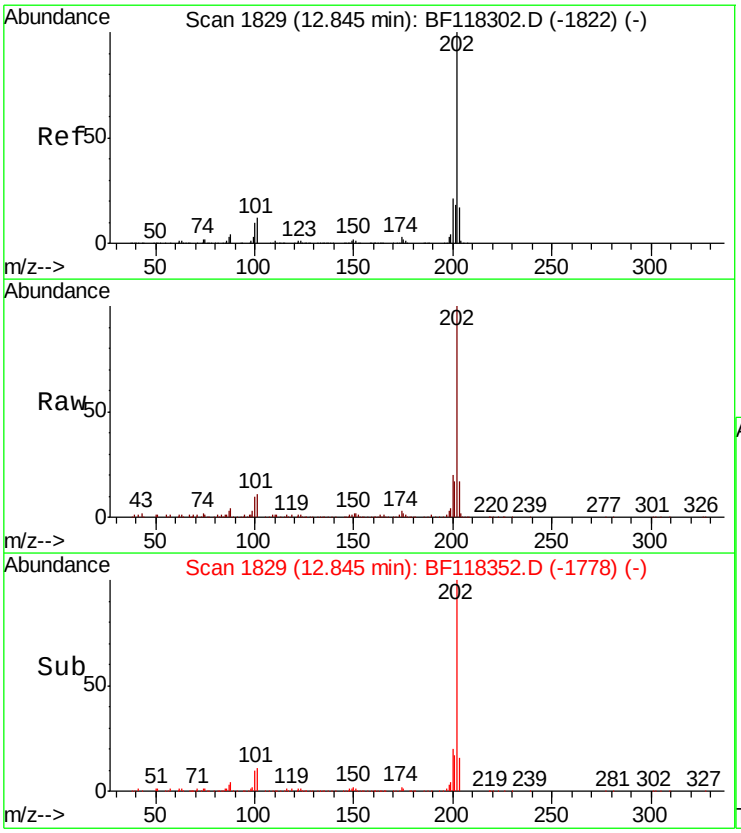
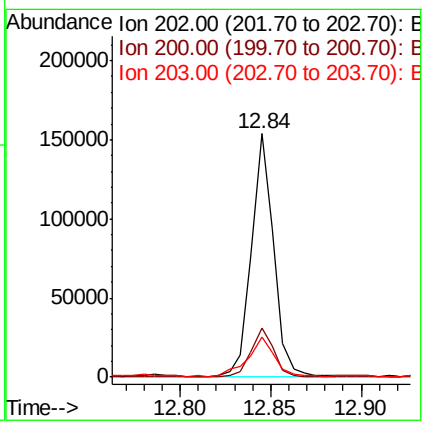
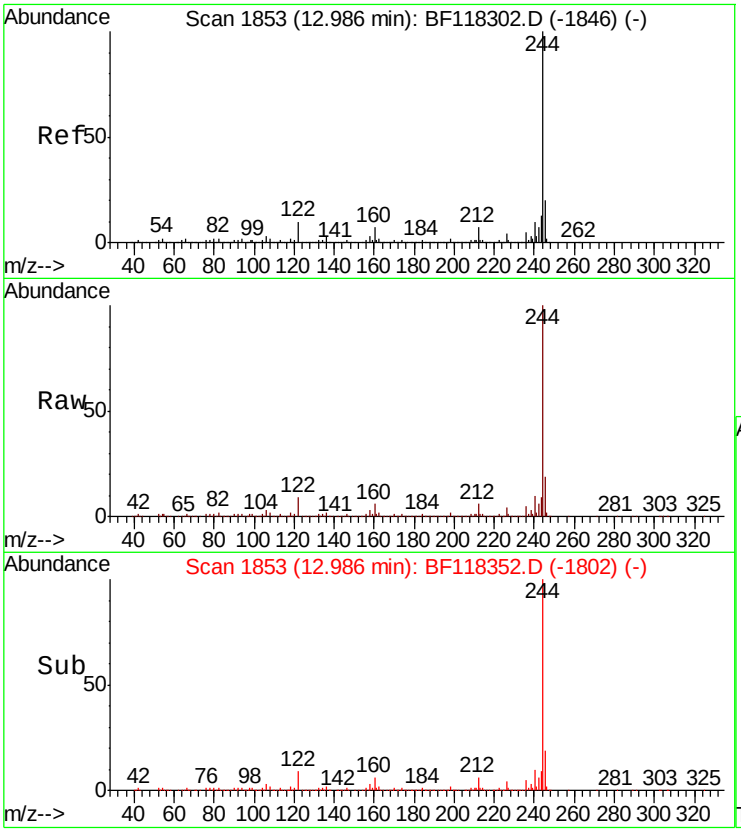


#78
Pyrene
Concen: 4.752 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion:202 Resp: 130166

Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.8	25.2
203	16.6	13.9	20.9

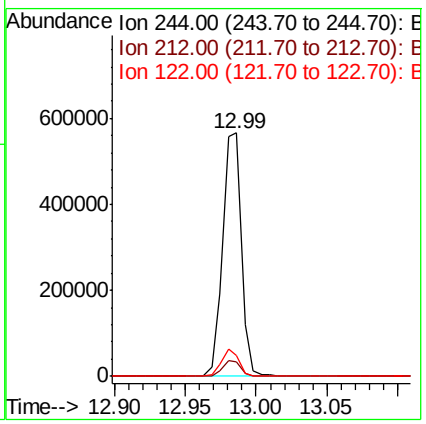




#79
Terphenyl-d14
Concen: 26.004 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.00 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion:244 Resp: 525729

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.4	8.2
122	8.8	7.8	11.8



Instrument :
BNA_F
ClientSampleId :
SB-5-(0-2)

Manual Integrations APPROVED
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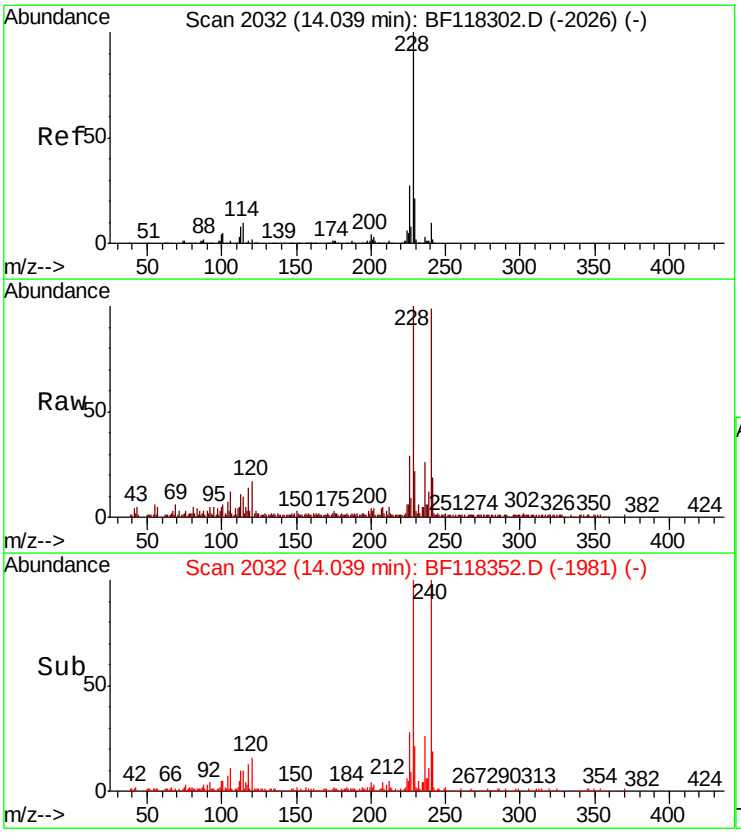
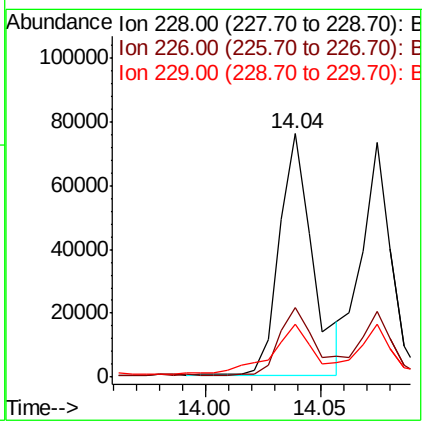
12/29/2019 5:28:15 PM

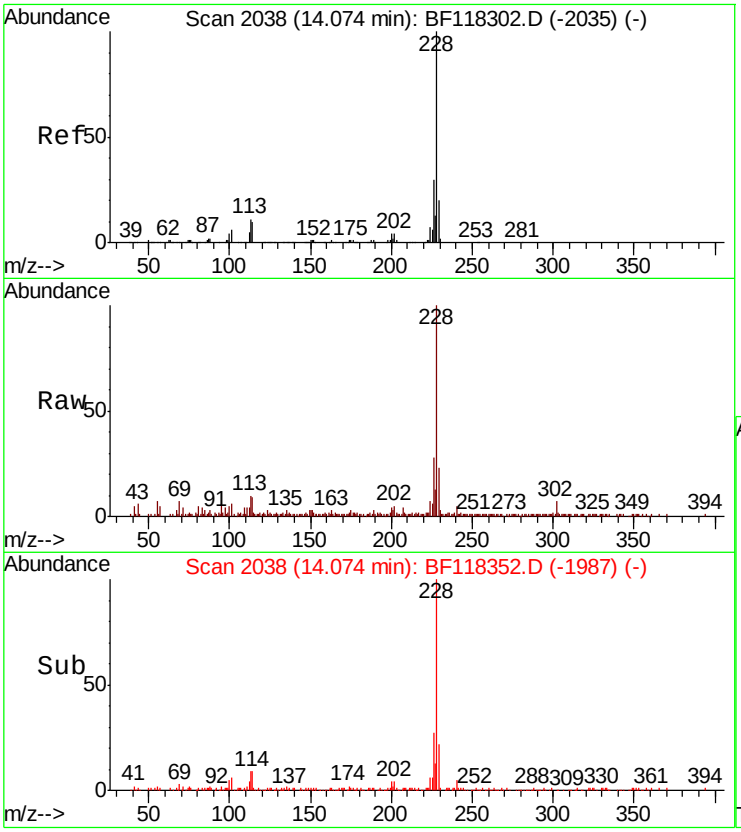


#81
Benzo(a)anthracene
Concen: 3.202 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion:228 Resp: 75186

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.0	33.0
229	21.7	16.6	24.8

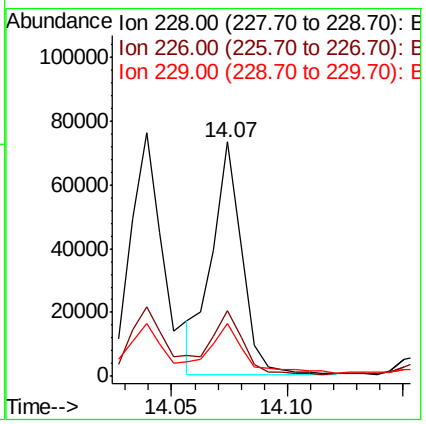




#83
Chrysene
Concen: 2.899 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion:228 Resp: 65179

Ion	Ratio	Lower	Upper
228	100		
226	28.0	23.9	35.9
229	22.7	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SB-5-(0-2)

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mohammad
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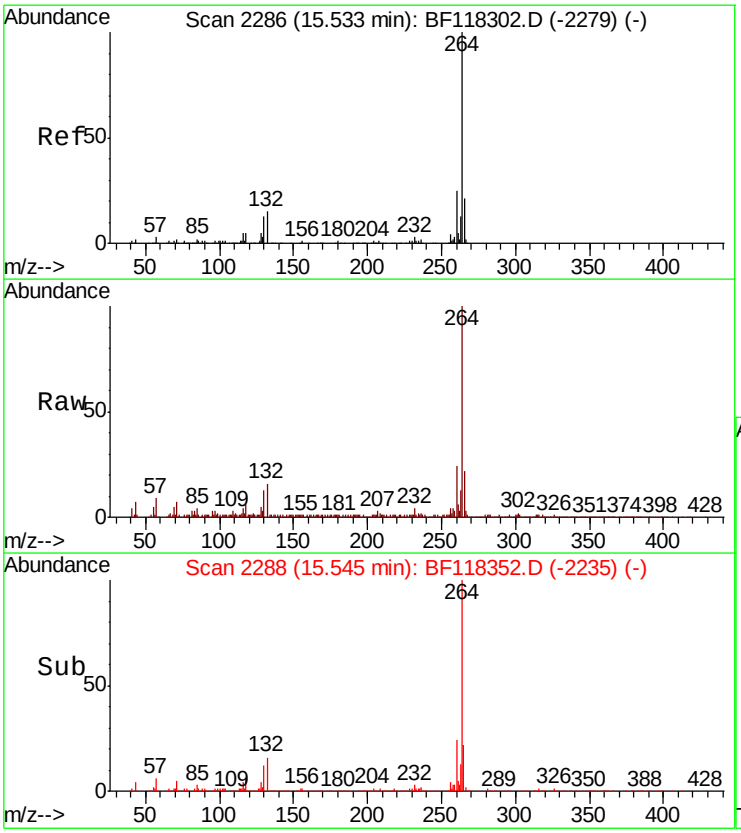
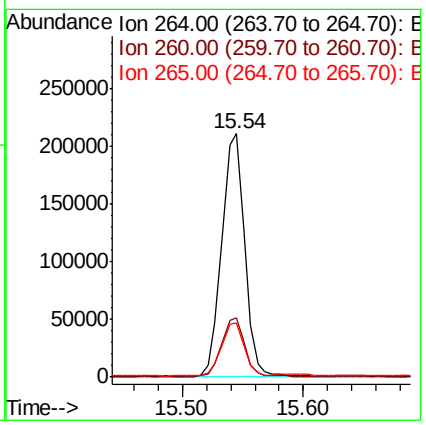
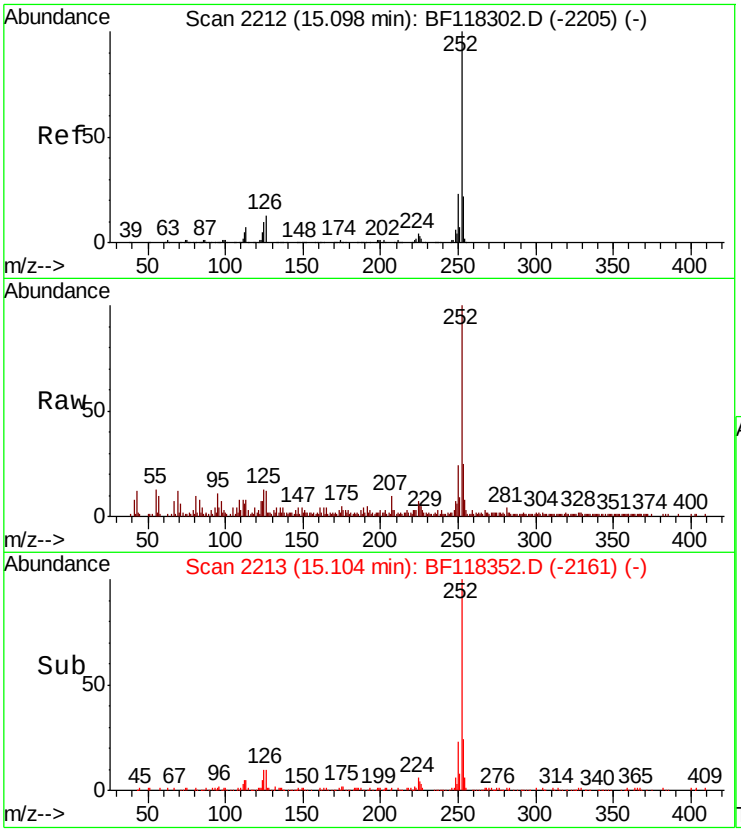


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.01 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion:264 Resp: 274641

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.8	29.6
265	22.4	17.0	25.4

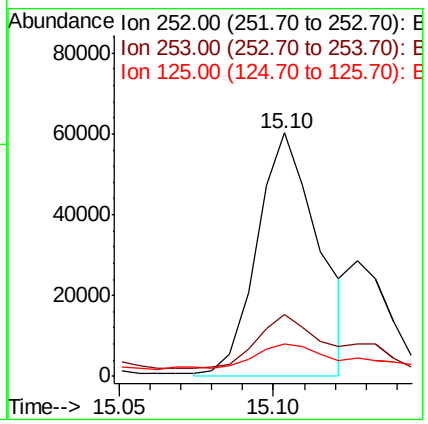




#88
Benzo(b)fluoranthene
Concen: 4.592 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

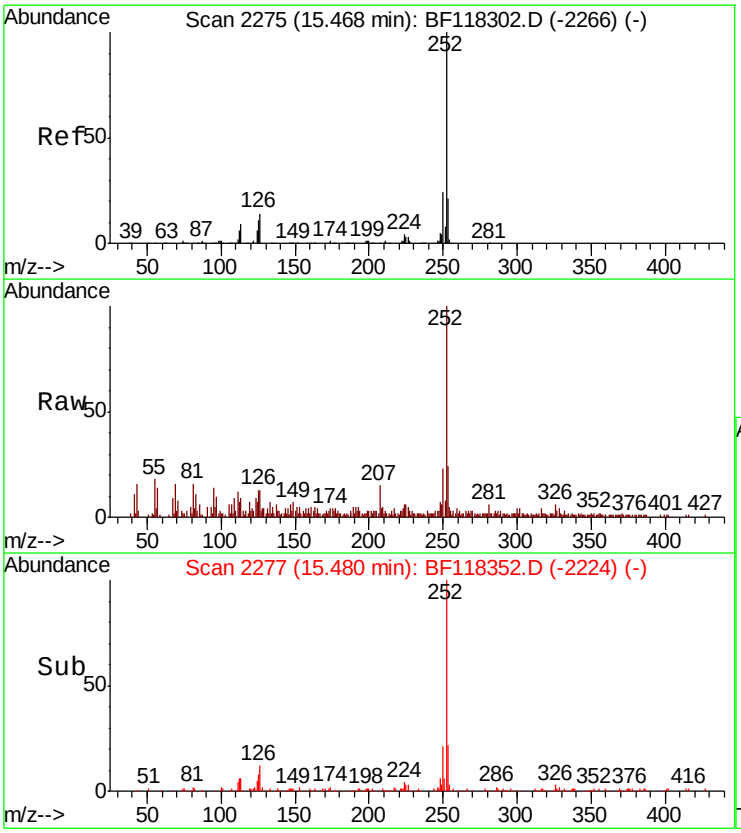
Tgt Ion:252 Resp: 83723

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.5	26.3
125	13.2	7.7	11.5#



Instrument :
BNA_F
ClientSampleId :
SB-5-(0-2)

Manual Integrations APPROVED
mohammad
12/29/2019 5:28:15 PM



#90
Benzo(a)pyrene
Concen: 3.201 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF118352.D
Acq: 27 Dec 2019 21:59

Tgt Ion:252 Resp: 51413

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.6
125	13.3	9.0	13.4