Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112908.D
Acq On : 7 Mar 2019 3:54
Operator : JU/SJ
Sample : K1705-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

Manual Integrations APPROVED
Sohil
3/7/2019 11:03:02 AM

Quant Time: Mar 07 05:47:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 01 15:40:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	225870	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	814612	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	334800	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	557838	20.00	ng	0.00
76) Chrysene-d12	13.86	240	520557	20.00	ng	-0.01
87) Perylene-d12	15.26	264	478266	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1117309	76.95	ng	0.00
7) Phenol-d6	6.37	99	1505540	82.54	ng	0.00
23) Nitrobenzene-d5	7.29	82	903158	66.34	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	332181	93.46	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1413316	65.92	ng	-0.01
79) Terphenyl-d14	12.82	244	1153453	42.95	ng	-0.01
Target Compounds						Qvalue
50) Dimethylphthalate	9.48	163	72823	2.950	ng	99
71) Phenanthrene	11.26	178	101225	3.647	ng	96
75) Fluoranthene	12.44	202	124742	4.195	ng	98
78) Pyrene	12.67	202	138510	3.156	ng	99
81) Benzo(a)anthracene	13.85	228	73427m	2.035	ng	
83) Chrysene	13.89	228	80643	2.282	ng	96
88) Benzo(b)fluoranthene	14.87	252	78449m	2.536	ng	
90) Benzo(a)pyrene	15.20	252	61331	2.241	ng	98

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

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Manual Integrations APPROVED
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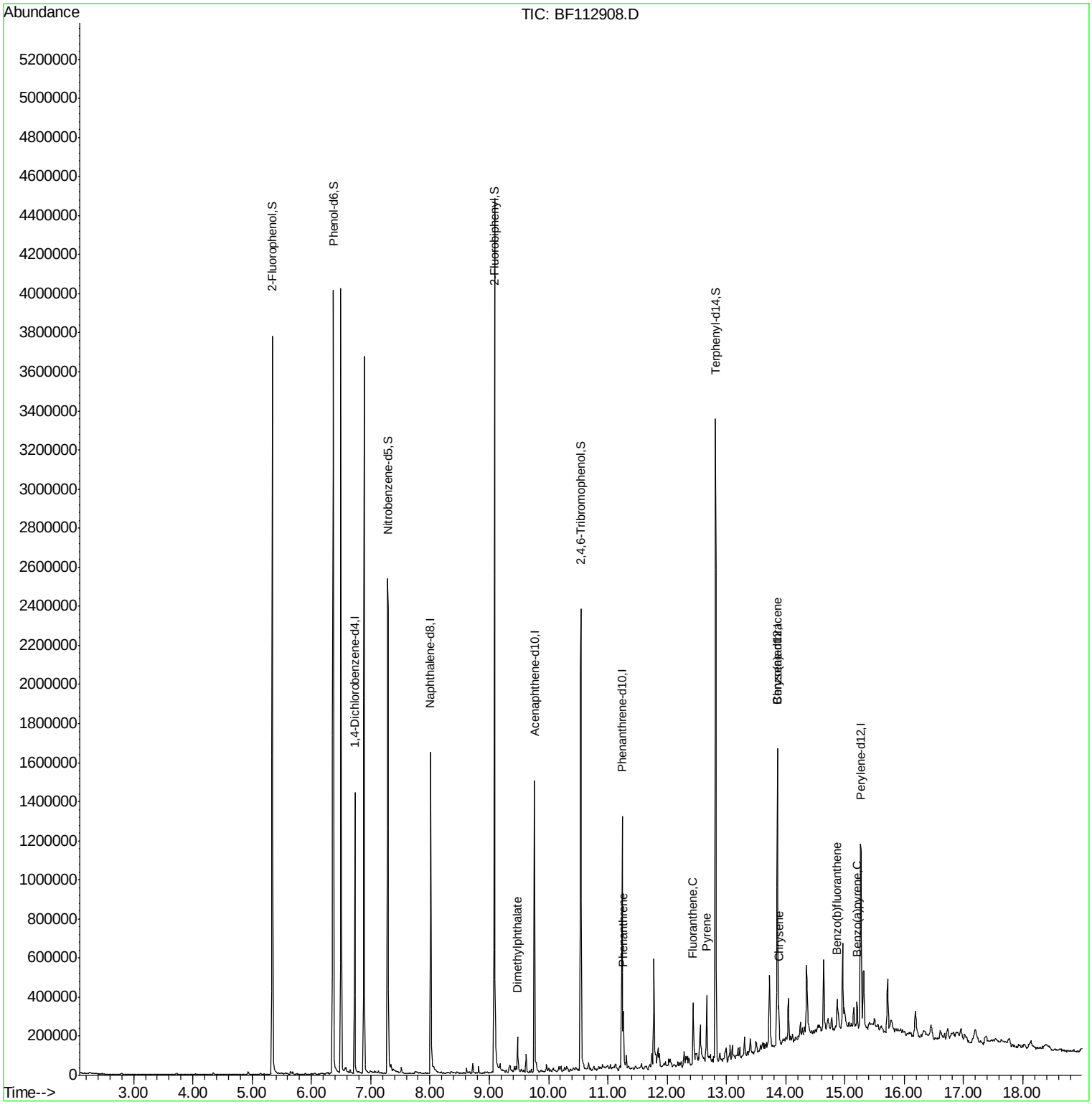
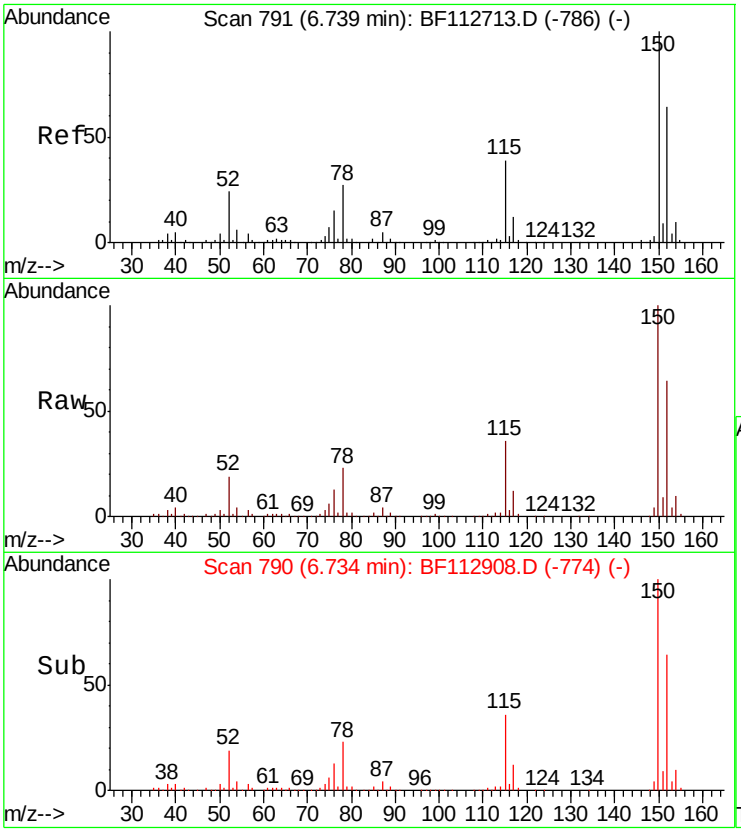
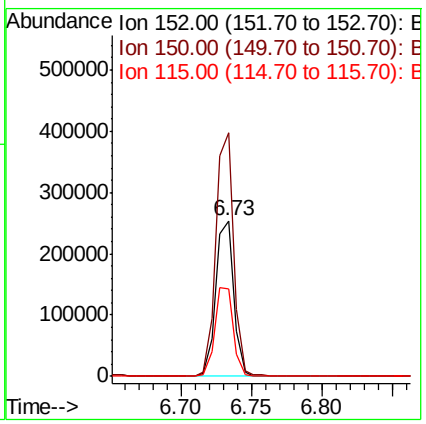




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion:152 Resp: 225870

Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.2	186.2
115	56.5	48.2	72.4



Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

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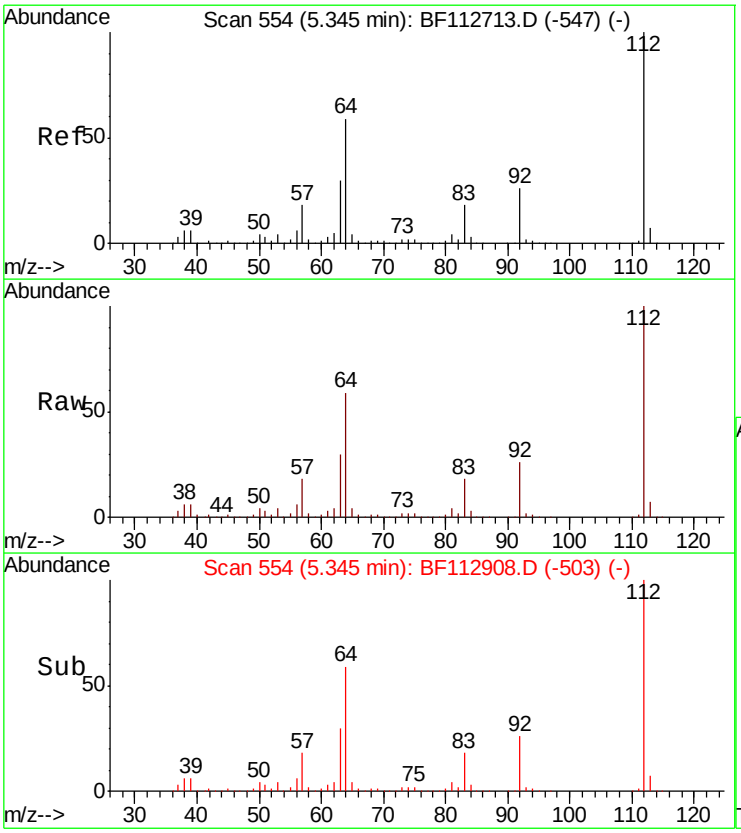
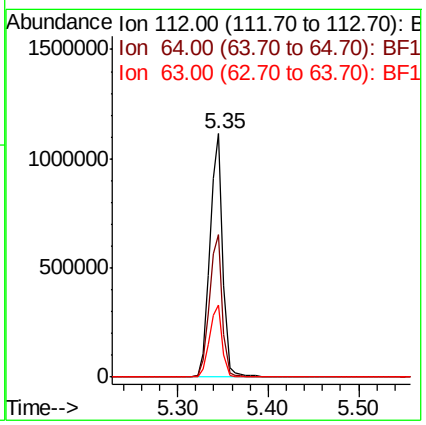
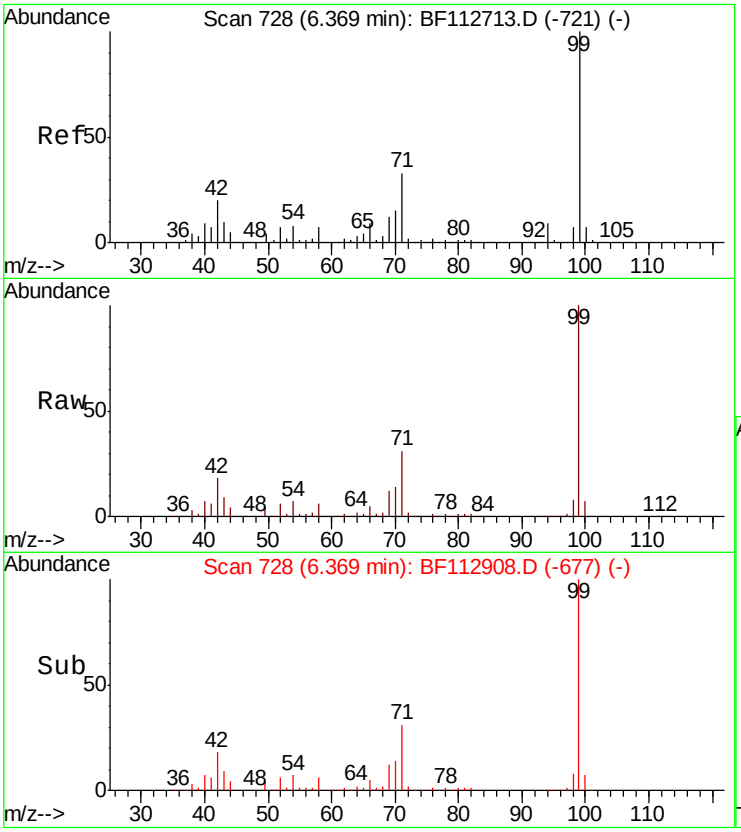


#5
2-Fluorophenol
Concen: 76.948 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion:112 Resp: 1117309

Ion	Ratio	Lower	Upper
112	100		
64	58.7	47.6	71.4
63	29.7	24.4	36.6

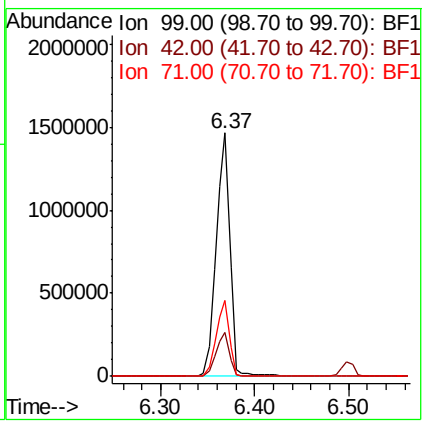




#7
Phenol-d6
Concen: 82.541 ng
RT: 6.37 min Scan# 728
Delta R.T. 0.00 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion: 99 Resp: 1505540

Ion	Ratio	Lower	Upper
99	100		
42	18.1	16.3	24.5
71	31.3	26.2	39.4



Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

Manual Integrations APPROVED
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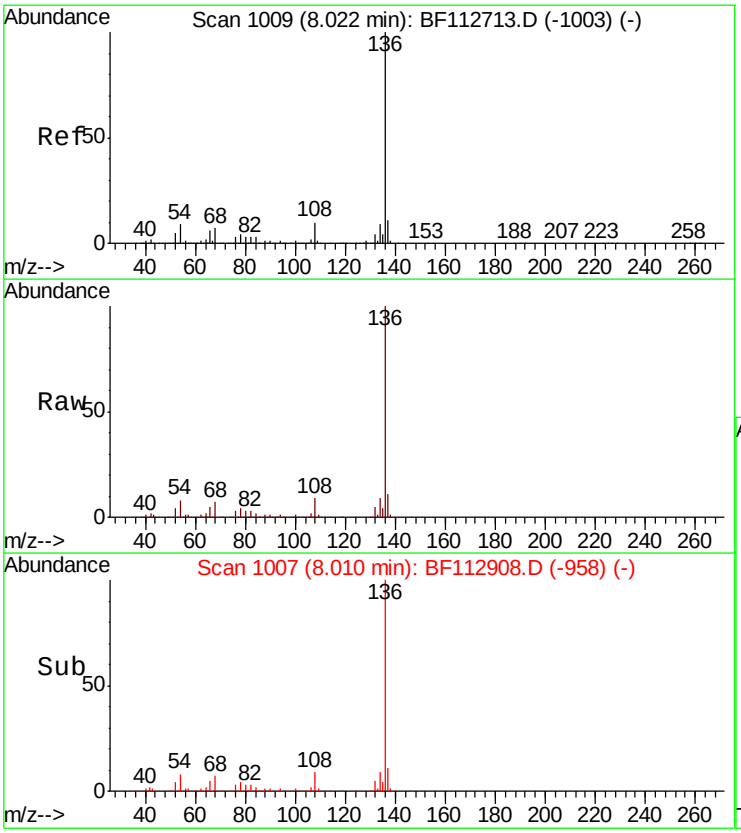
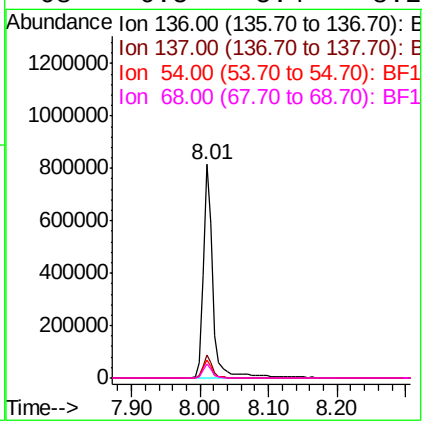
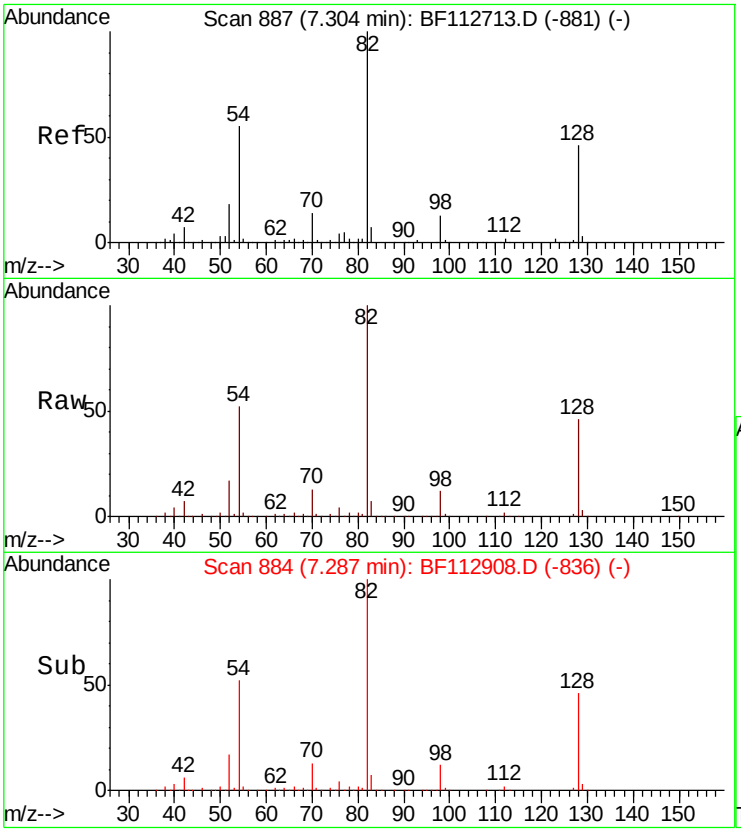


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion:136 Resp: 814612

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.4	7.3	10.9
68	6.5	5.4	8.2

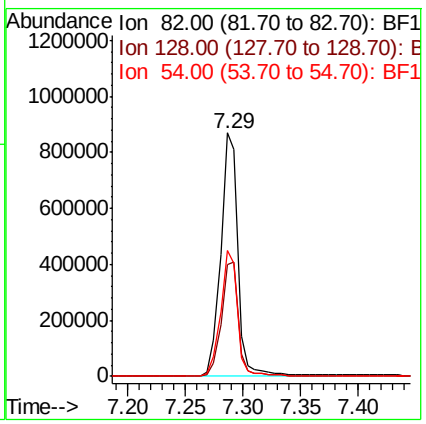




#23
Nitrobenzene-d5
Concen: 66.342 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion: 82 Resp: 903158

Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.3	54.5
54	51.8	43.7	65.5



Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

Manual Integrations APPROVED
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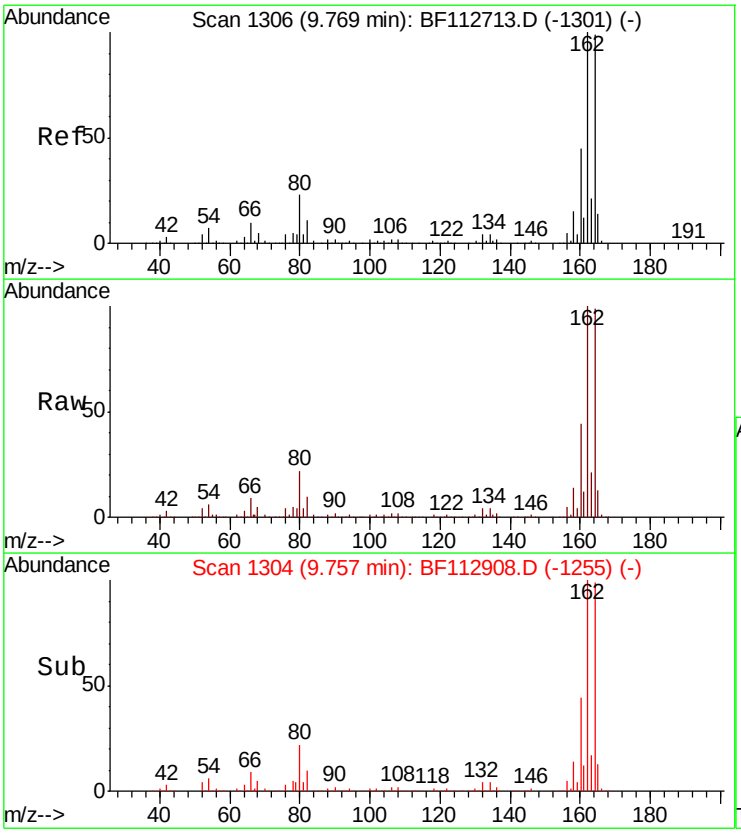
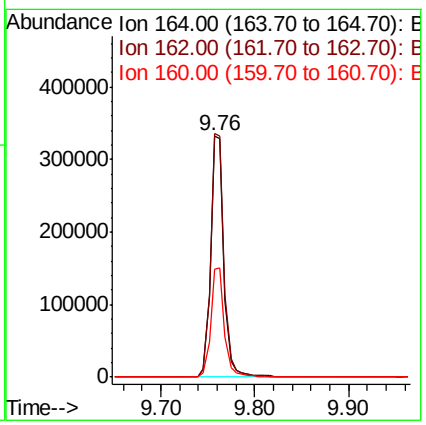
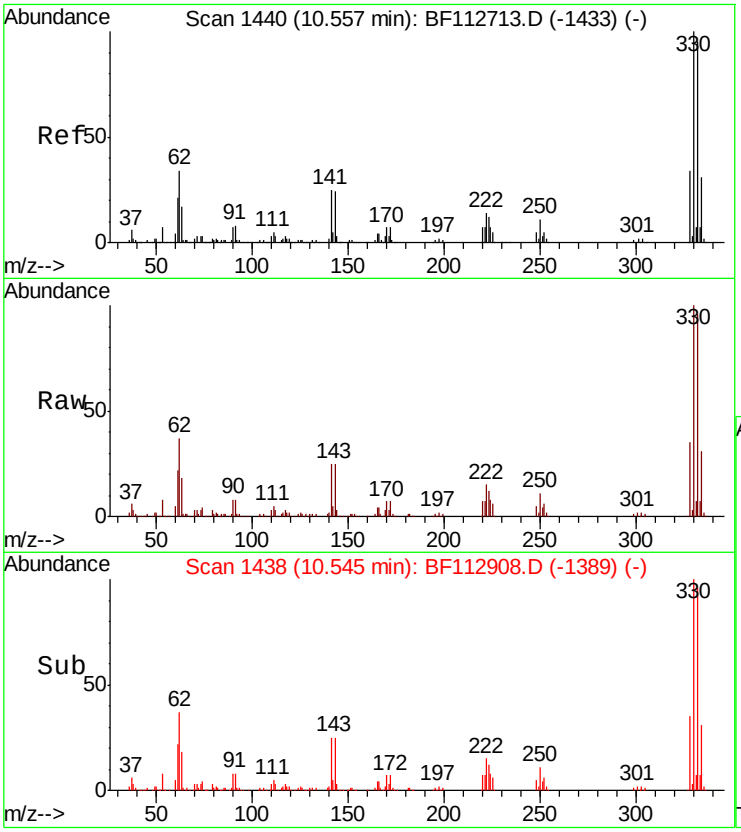


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion:164 Resp: 334800

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	44.7	36.0	54.0

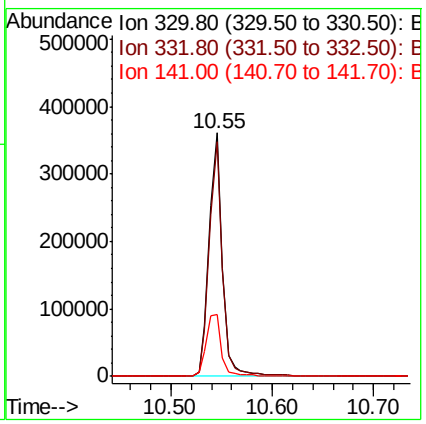




#42
2,4,6-Tribromophenol
Concen: 93.458 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion:330 Resp: 332181

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.2	114.4
141	28.3	27.0	40.6



Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

Manual Integrations APPROVED
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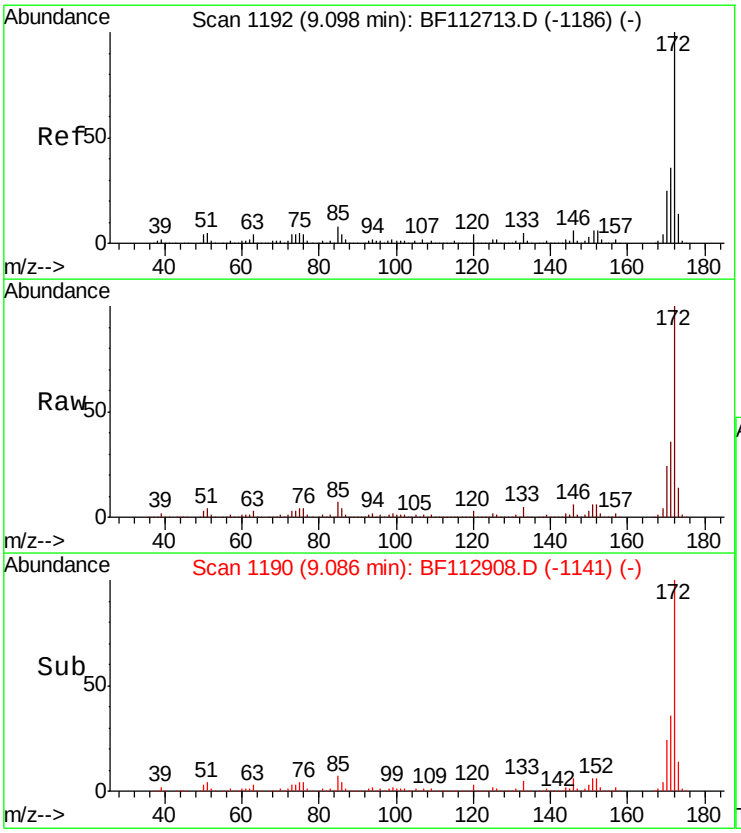
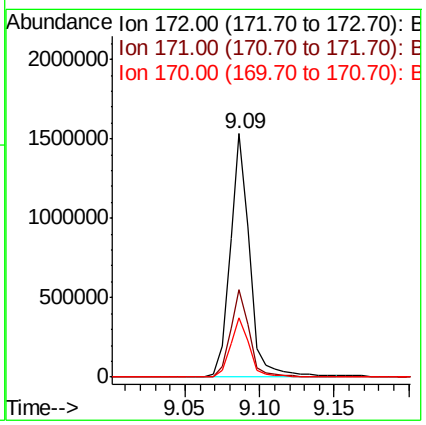
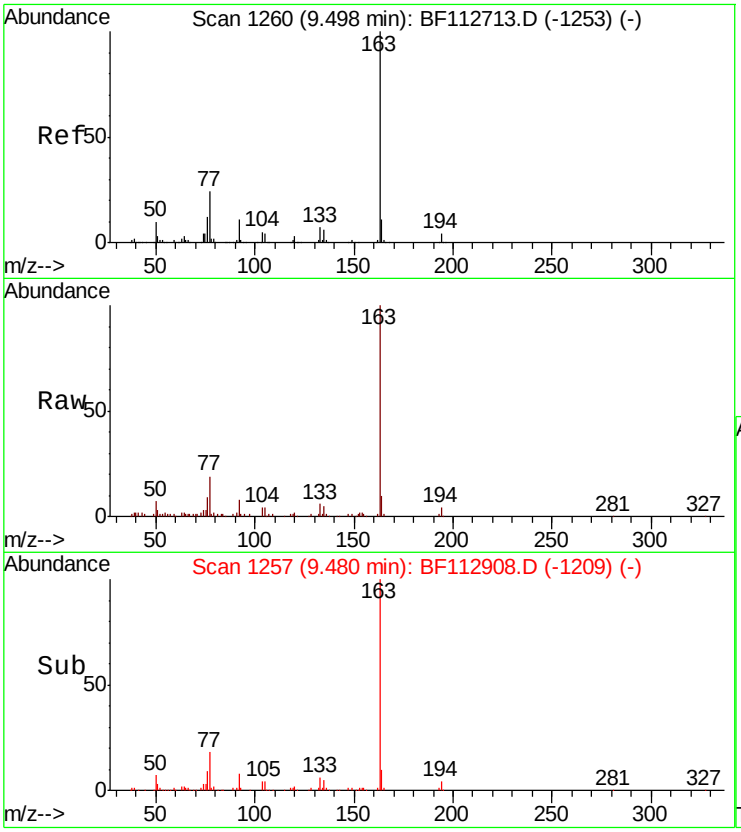


#45
2-Fluorobiphenyl
Concen: 65.923 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion:172 Resp: 1413316

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.4
170	24.4	20.0	30.0

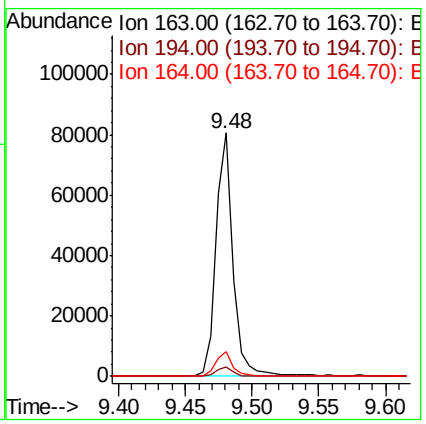




#50
Dimethylphthalate
Concen: 2.950 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion:163 Resp: 72823

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.4
164	10.0	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
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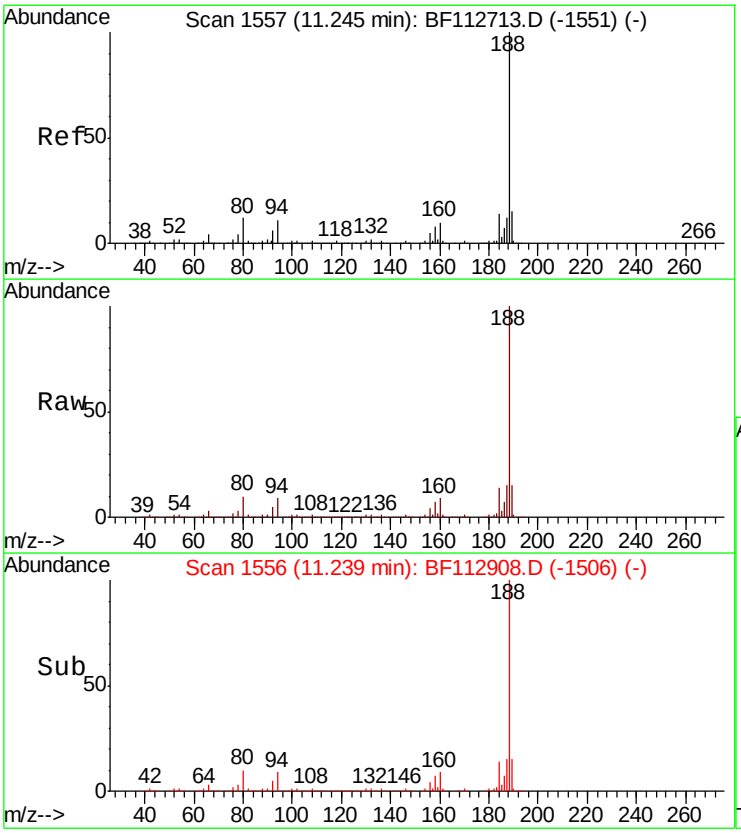
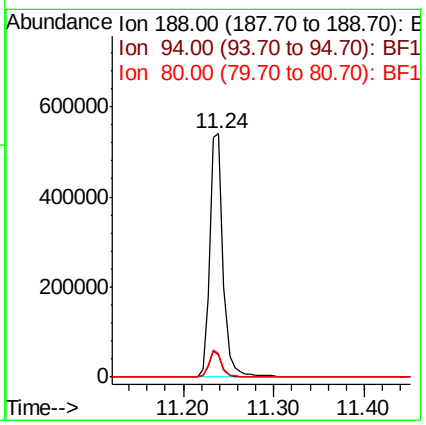
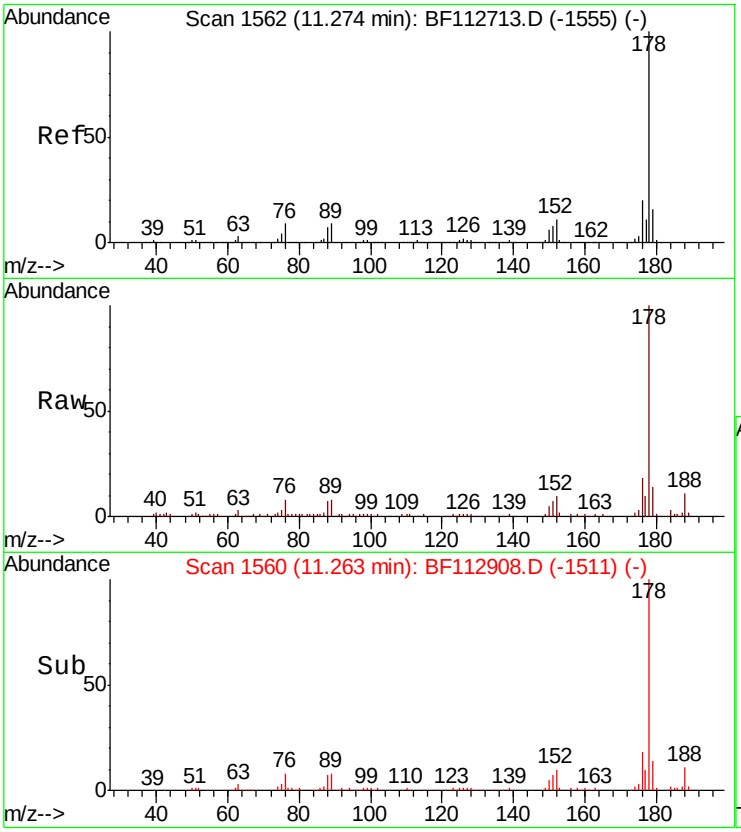


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion:188 Resp: 557838

Ion	Ratio	Lower	Upper
188	100		
94	9.0	9.0	13.4
80	9.9	9.2	13.8

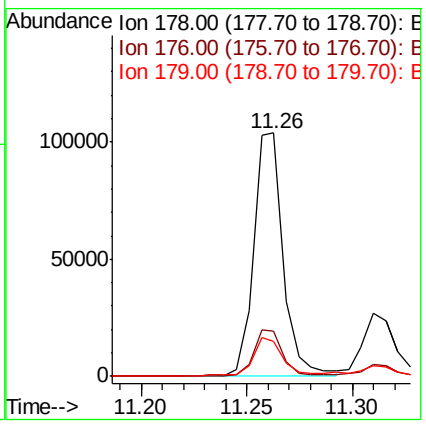




#71
Phenanthrene
Concen: 3.647 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion:178 Resp: 101225

Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.3	24.5
179	14.2	12.7	19.1



Instrument :
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ClientSampleId :
EXT-027-SW014-022719

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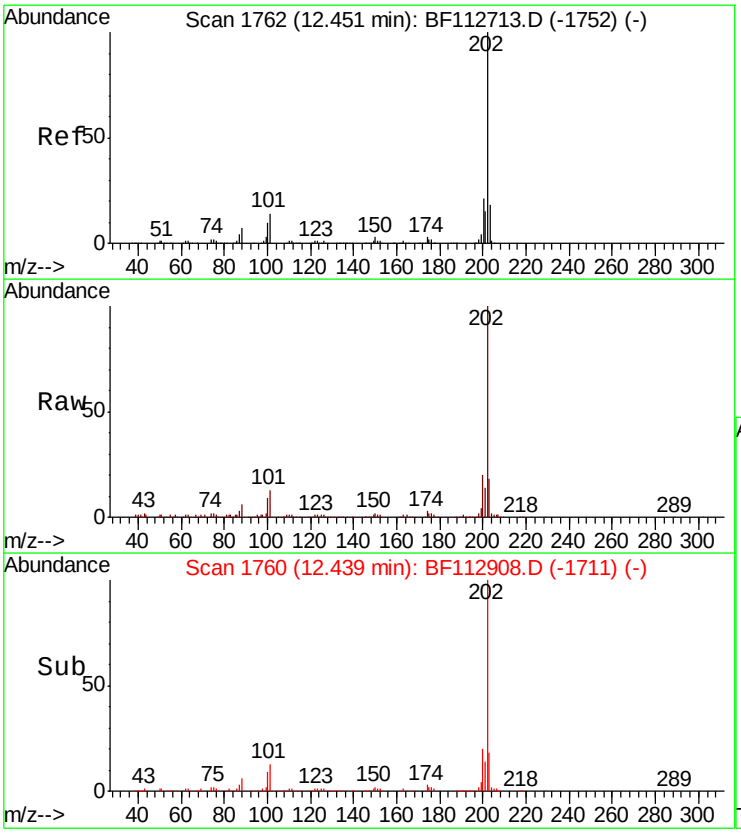
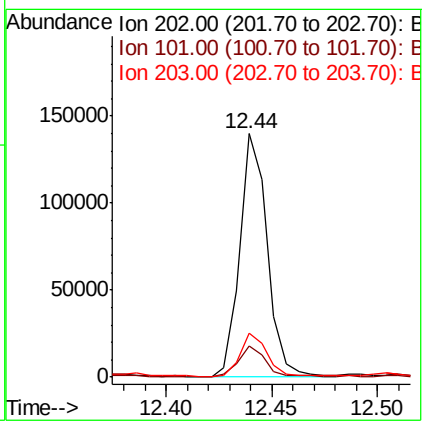
3/7/2019 11:03:02 AM

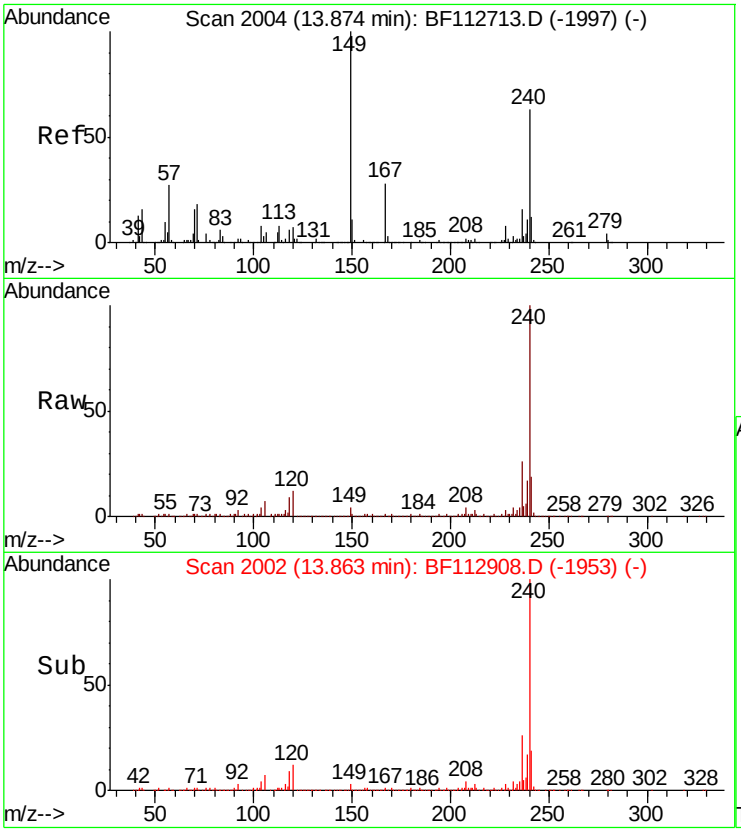


#75
Fluoranthene
Concen: 4.195 ng
RT: 12.44 min Scan# 1760
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion:202 Resp: 124742

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.8
203	17.8	0.0	38.4

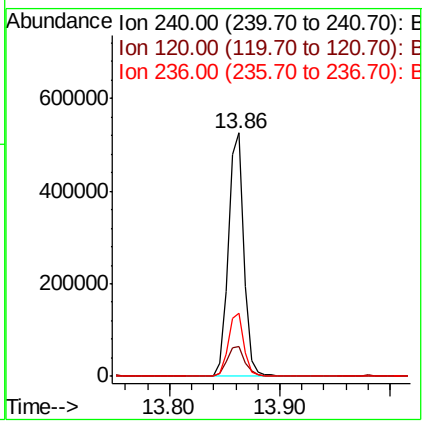




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion:240 Resp: 520557

Ion	Ratio	Lower	Upper
240	100		
120	12.1	8.9	13.3
236	26.1	20.7	31.1



Instrument :
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ClientSampleId :
EXT-027-SW014-022719

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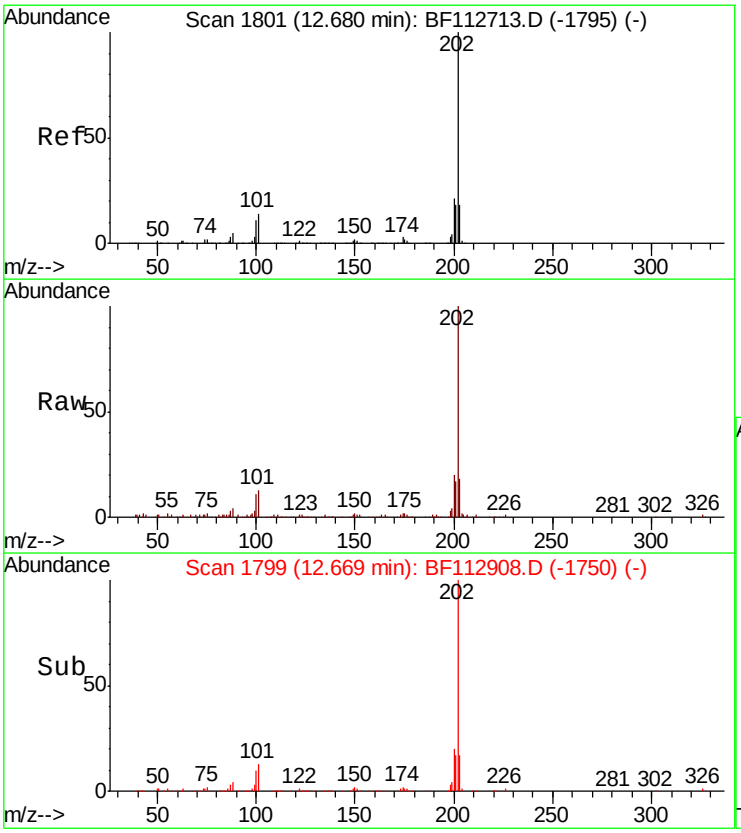
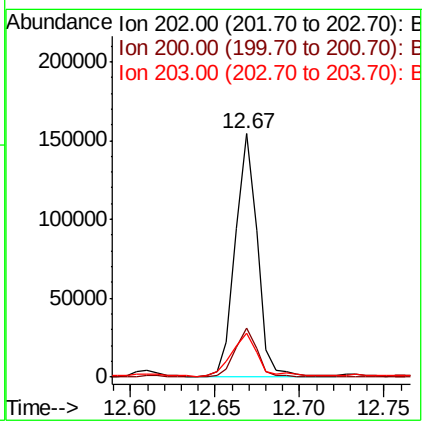
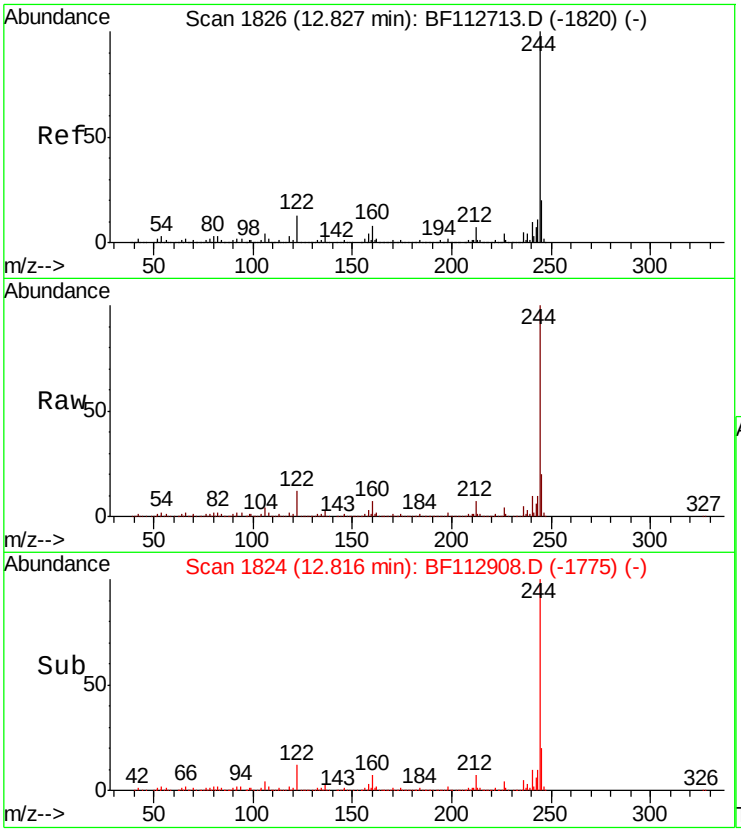


#78
Pyrene
Concen: 3.156 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion:202 Resp: 138510

Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.0	25.4
203	17.8	14.4	21.6

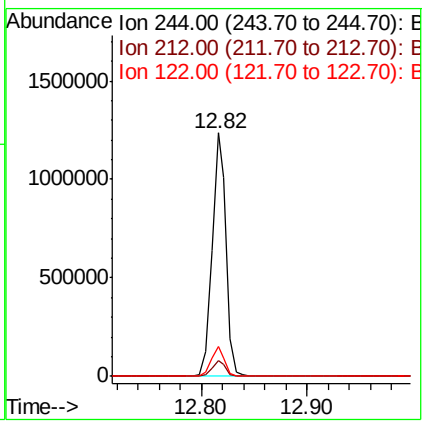




#79
Terphenyl-d14
Concen: 42.953 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

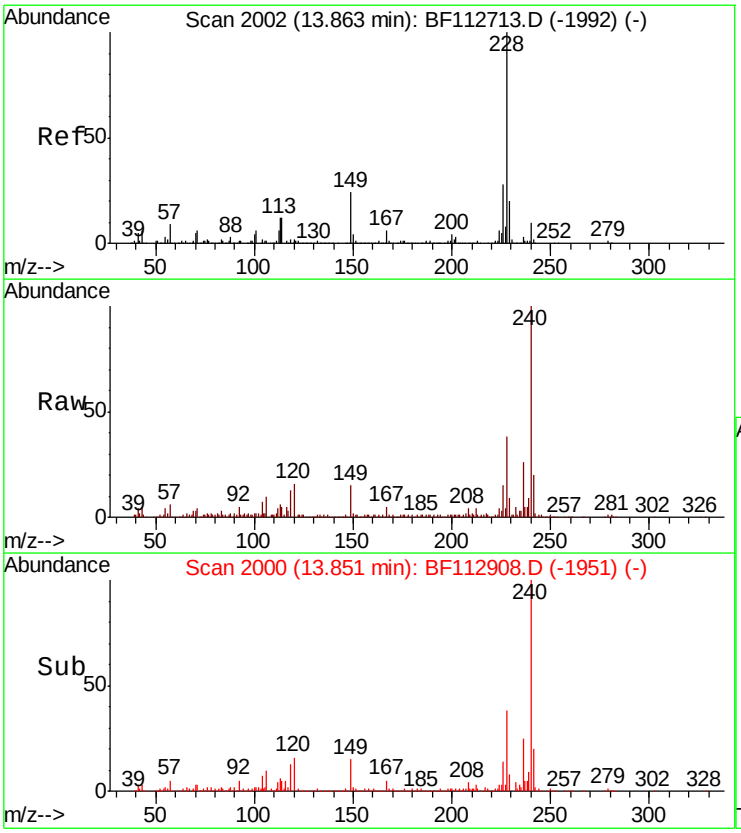
Tgt Ion:244 Resp: 1153453

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	12.0	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

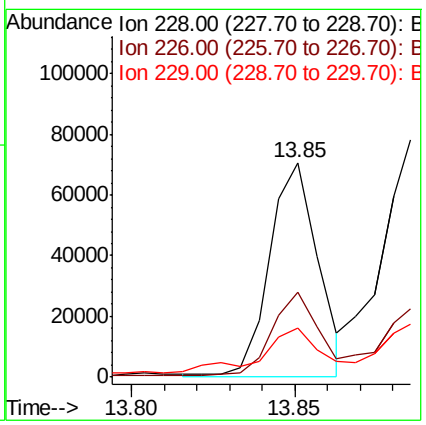
Manual Integrations APPROVED
Sohil
3/7/2019 11:03:02 AM

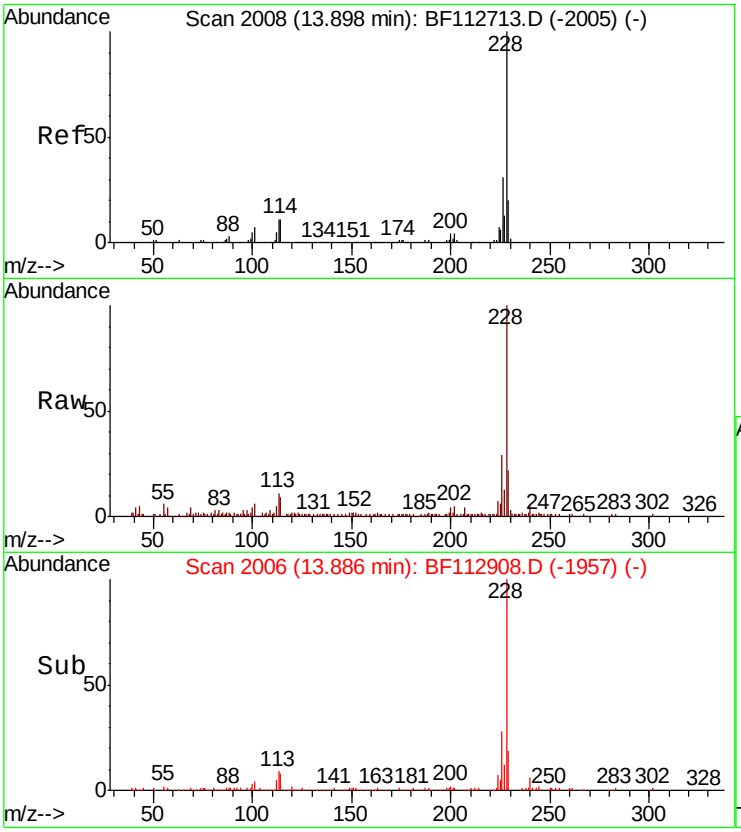


#81
Benzo(a)anthracene
Concen: 2.035 ng m
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion:228 Resp: 73427

Ion	Ratio	Lower	Upper
228	100		
226	39.5	22.2	33.4#
229	22.9	16.0	24.0

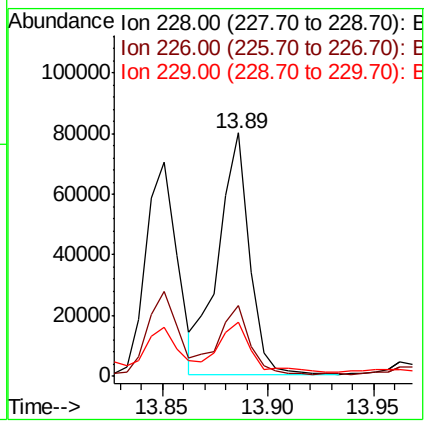




#83
Chrysene
Concen: 2.282 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion:228 Resp: 80643

Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.9	37.3
229	22.1	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

Manual Integrations APPROVED
Sohil
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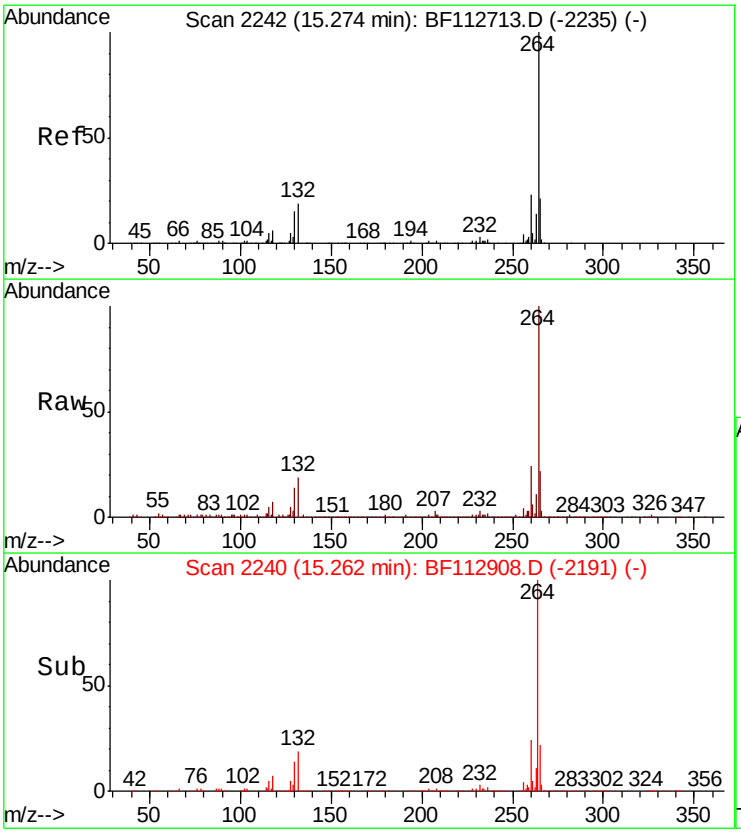
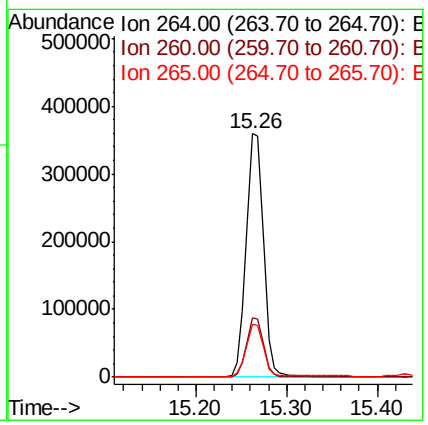
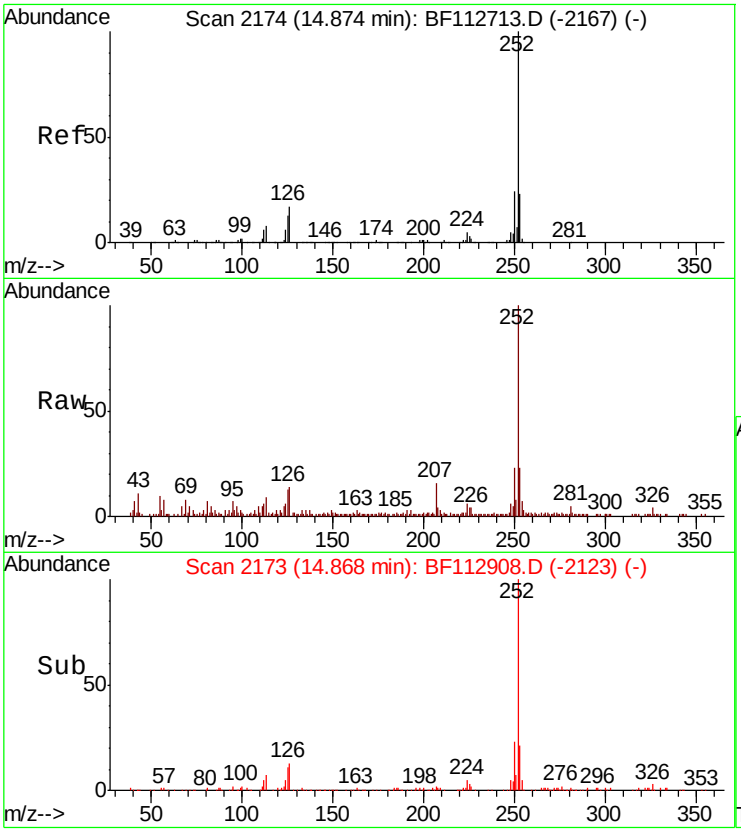


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion:264 Resp: 478266

Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.7	28.1
265	22.0	17.2	25.8





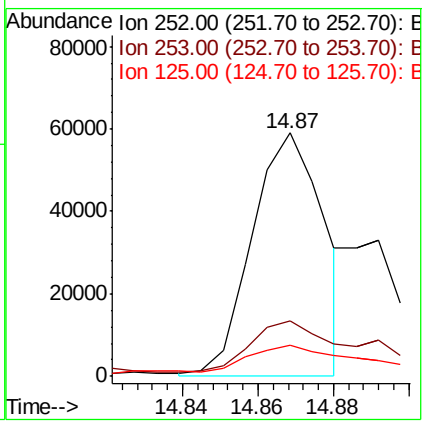
#88
Benzo(b)fluoranthene
Concen: 2.536 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

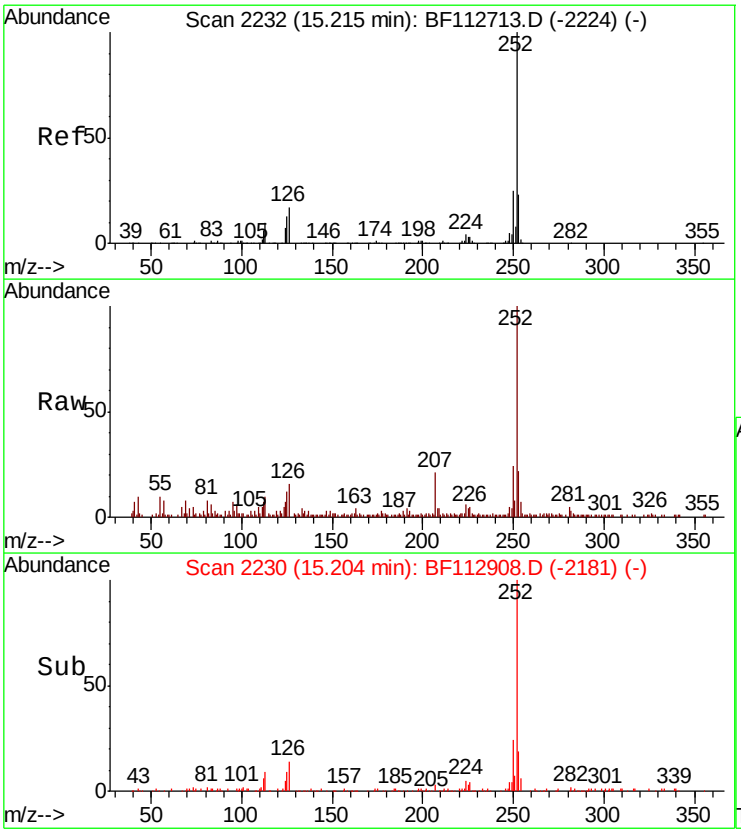
Tgt Ion:252 Resp: 78449

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	13.0	10.2	15.2

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

Manual Integrations APPROVED
Sohil
3/7/2019 11:03:02 AM





#90
Benzo(a)pyrene
Concen: 2.241 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion:252 Resp: 61331

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.0	27.0
125	12.0	10.7	16.1