Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032919\
Data File : BF113431.D
Acq On : 29 Mar 2019 23:44
Operator : JU/SJ
Sample : K2131-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-035-A

Manual Integrations APPROVED
Sohil
4/1/2019 5:46:39 PM

Quant Time: Mar 30 03:00:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 26 03:32:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	129237	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	482781	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	232471	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	455634	20.00	ng	0.00
76) Chrysene-d12	13.84	240	432540	20.00	ng	0.00
87) Perylene-d12	15.24	264	342274	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	757723	95.87	ng	0.00
7) Phenol-d6	6.35	99	989348	98.95	ng	0.00
23) Nitrobenzene-d5	7.26	82	579347	71.23	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	285819	99.53	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1097308	71.10	ng	0.00
79) Terphenyl-d14	12.79	244	1194822	60.89	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.45	163	80305	4.661	ng	99
71) Phenanthrene	11.23	178	58976	2.606	ng	98
75) Fluoranthene	12.42	202	132796	5.192	ng	98
78) Pyrene	12.65	202	124422	4.151	ng	97
81) Benzo(a)anthracene	13.83	228	62533	2.526	ng	97
83) Chrysene	13.86	228	60932	2.423	ng	97
88) Benzo(b)fluoranthene	14.85	252	75291m	3.541	ng	
90) Benzo(a)pyrene	15.19	252	47996	2.546	ng	# 87

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032919\
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Instrument :
BNA_F
ClientSampleId :
FK-GF-02-035-A

Manual Integrations APPROVED
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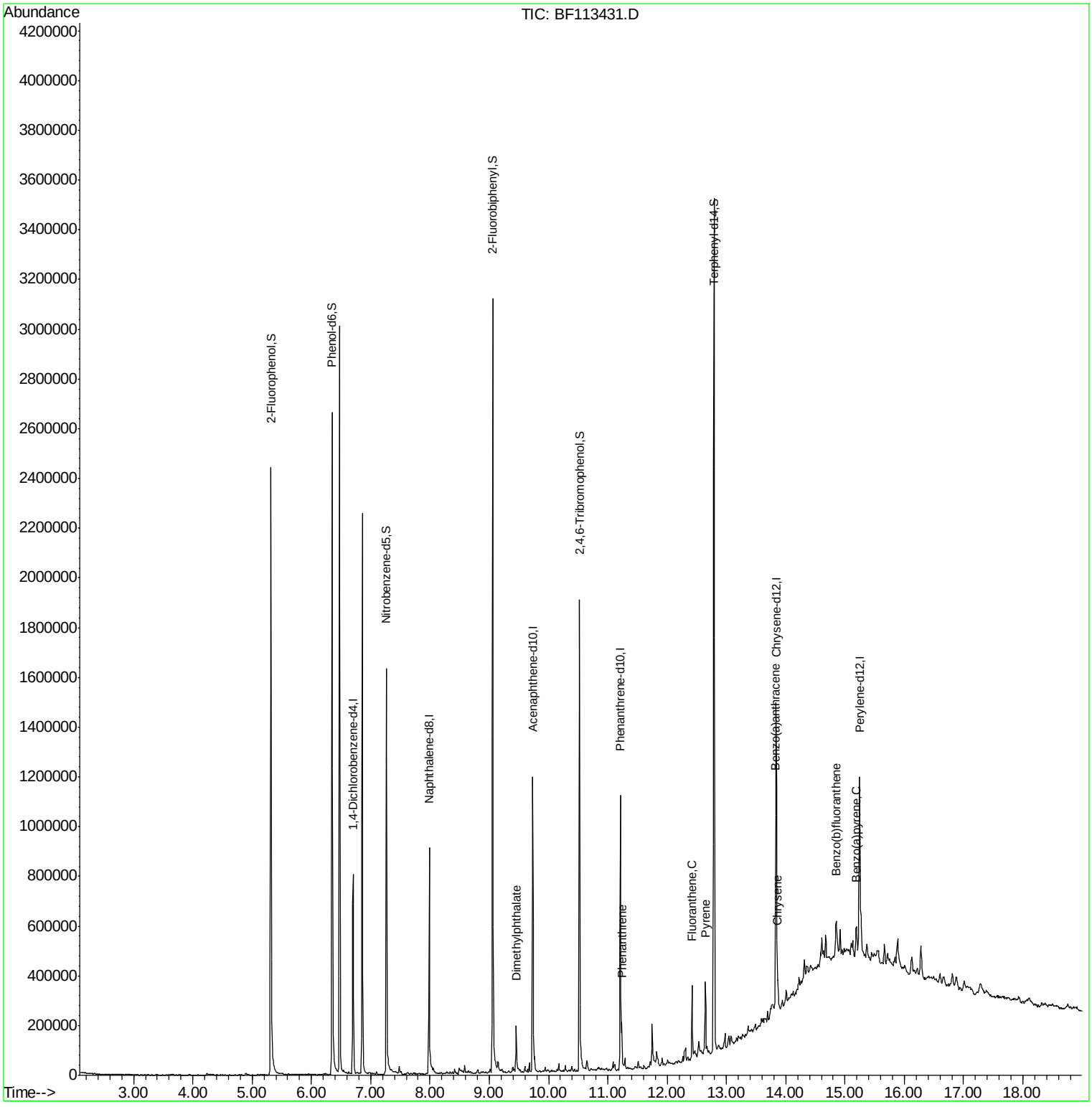
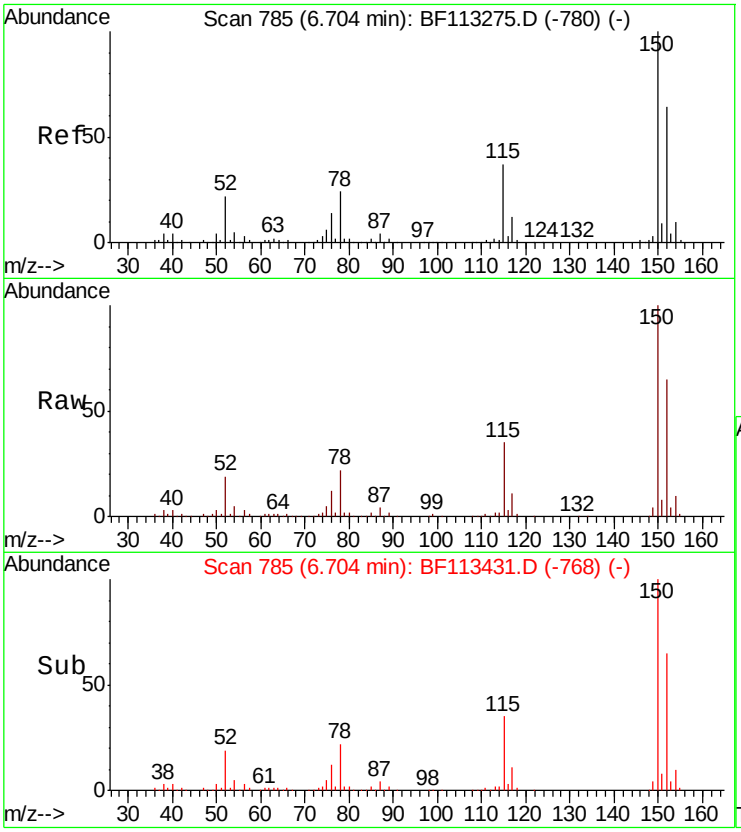
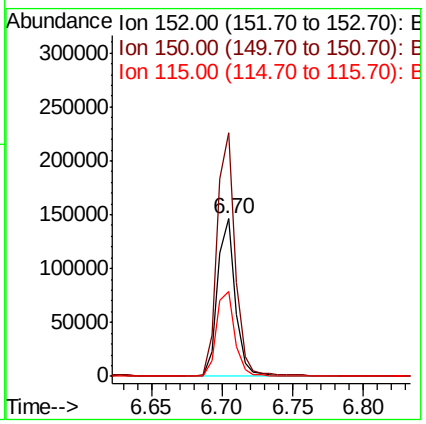




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Tgt Ion:152 Resp: 129237

Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.7	187.1
115	53.9	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
FK-GF-02-035-A

Manual Integrations APPROVED
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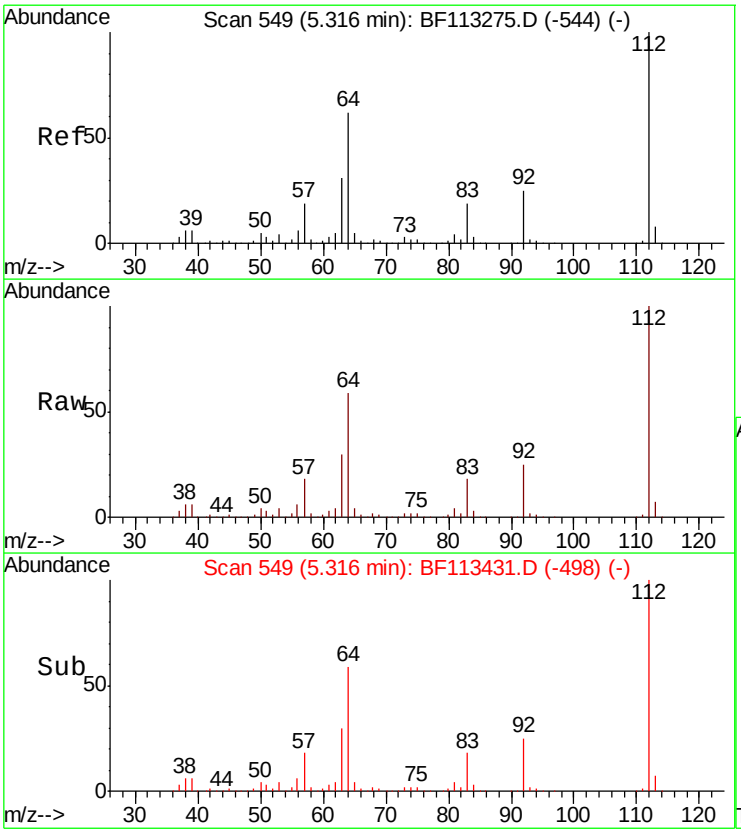
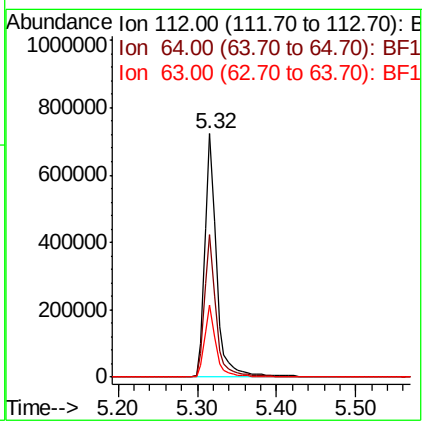
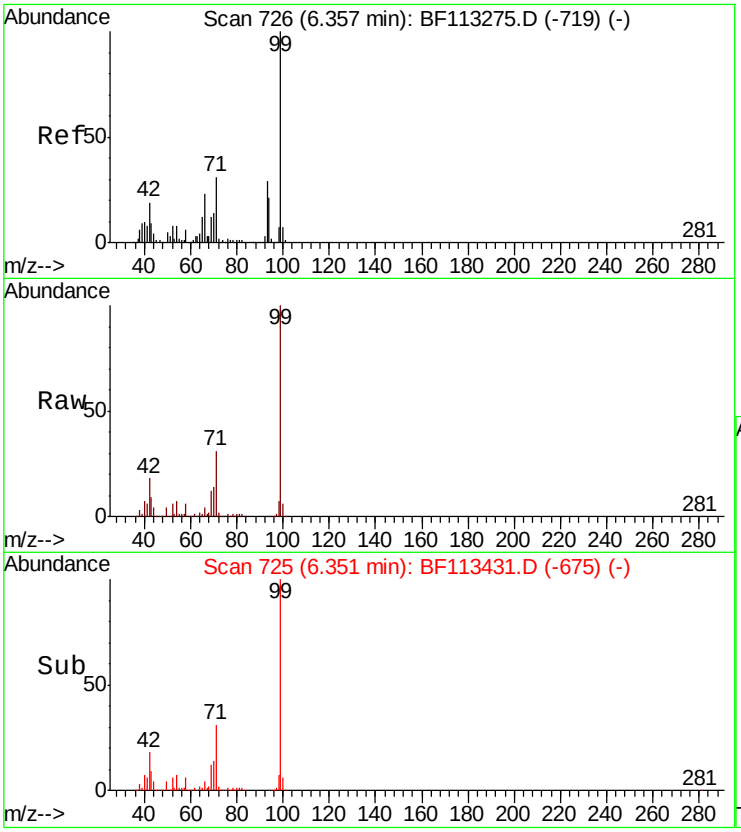


#5
2-Fluorophenol
Concen: 95.868 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Tgt Ion:112 Resp: 757723

Ion	Ratio	Lower	Upper
112	100		
64	58.6	49.2	73.8
63	29.7	24.9	37.3

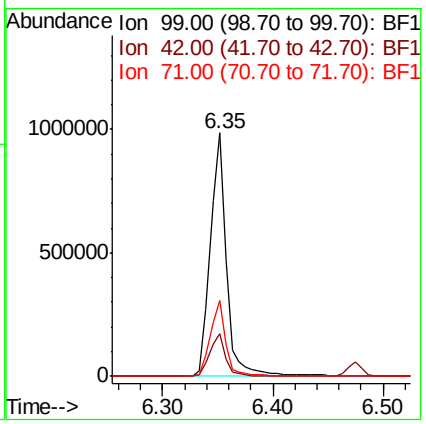




#7
Phenol-d6
Concen: 98.947 ng
RT: 6.35 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Tgt Ion: 99 Resp: 989348

Ion	Ratio	Lower	Upper
99	100		
42	17.8	14.8	22.2
71	31.1	24.9	37.3



Instrument :
BNA_F
ClientSampleId :
FK-GF-02-035-A

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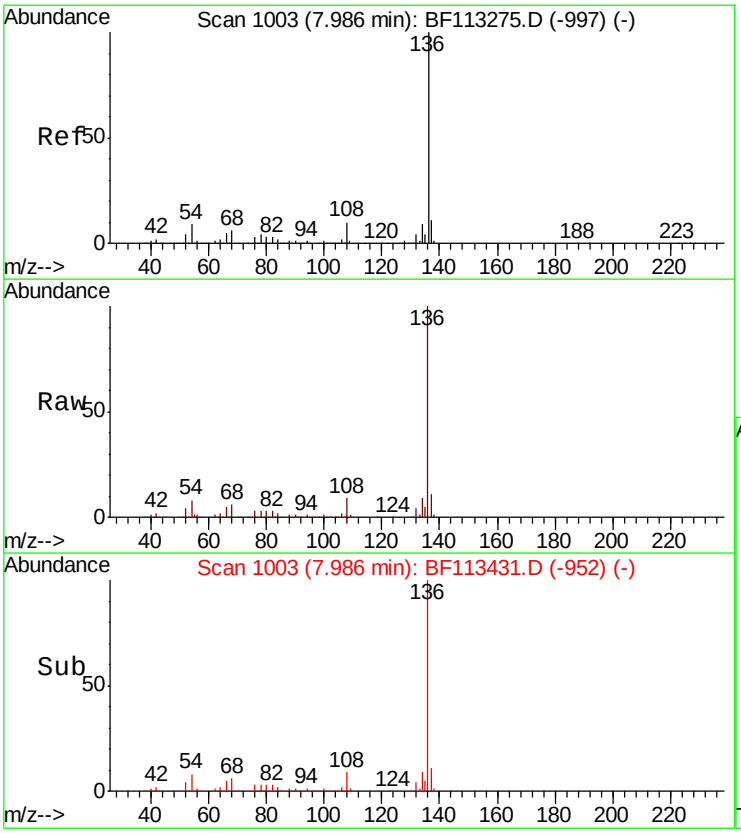
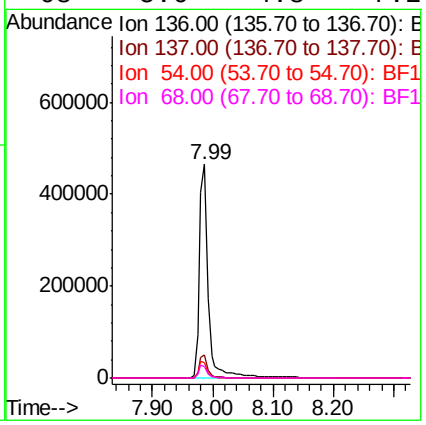
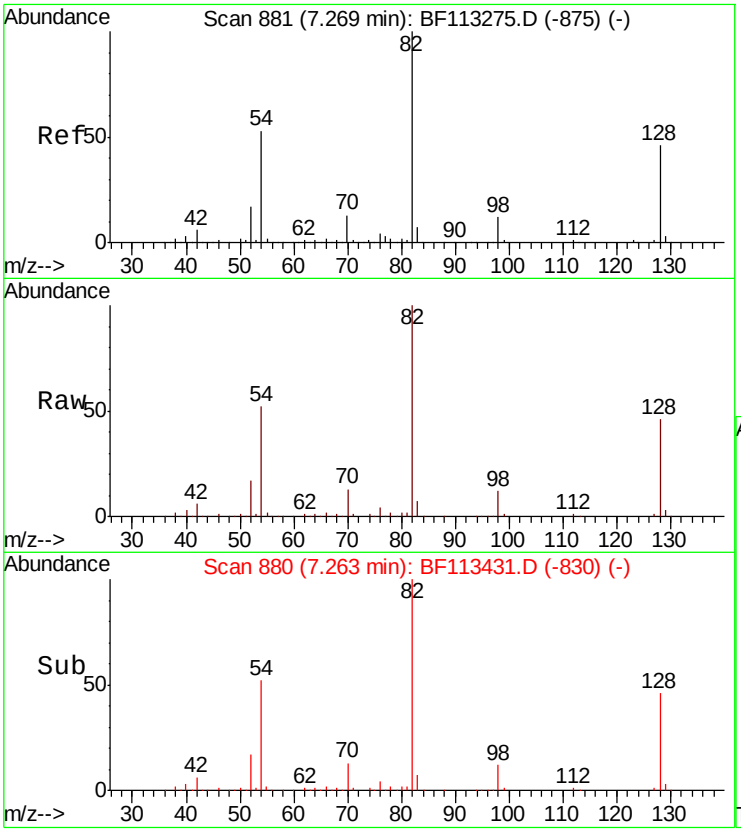


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Tgt Ion:136 Resp: 482781

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.5	7.0	10.6
68	5.6	4.8	7.2

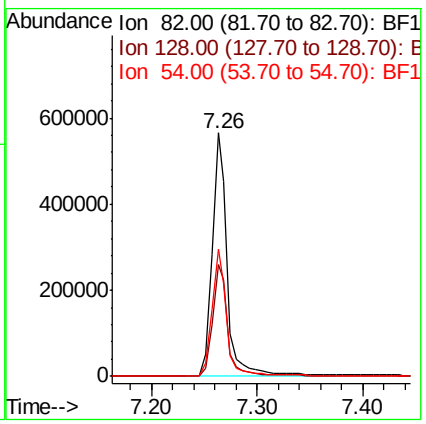




#23
Nitrobenzene-d5
Concen: 71.226 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Tgt Ion: 82 Resp: 579347

Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.5	54.7
54	52.1	42.2	63.2



Instrument :
BNA_F
ClientSampleId :
FK-GF-02-035-A

Manual Integrations APPROVED
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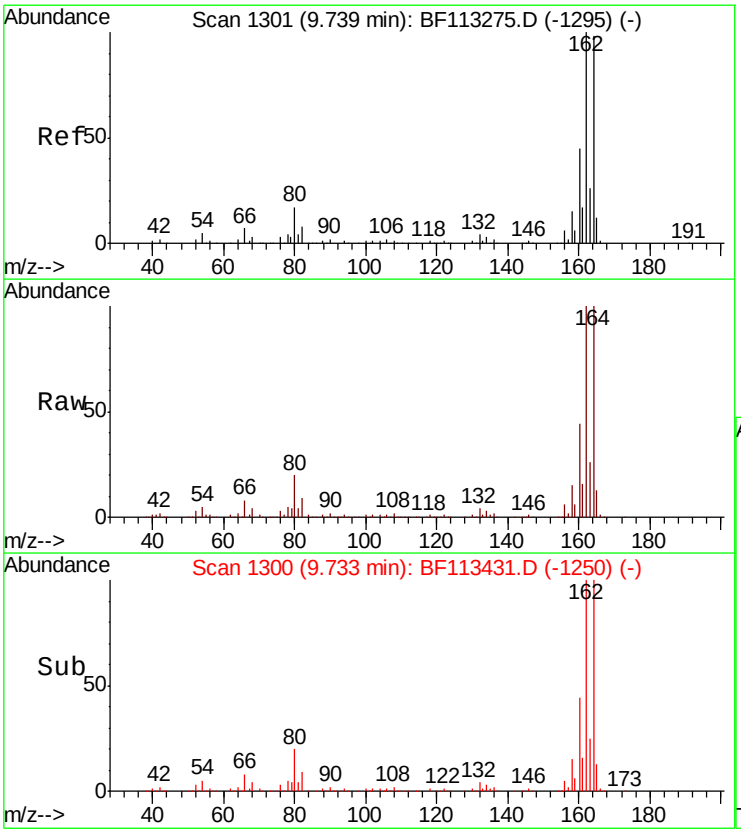
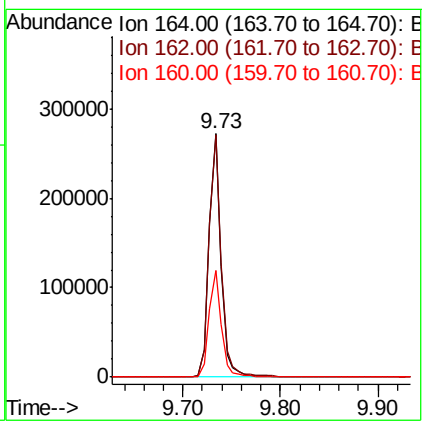
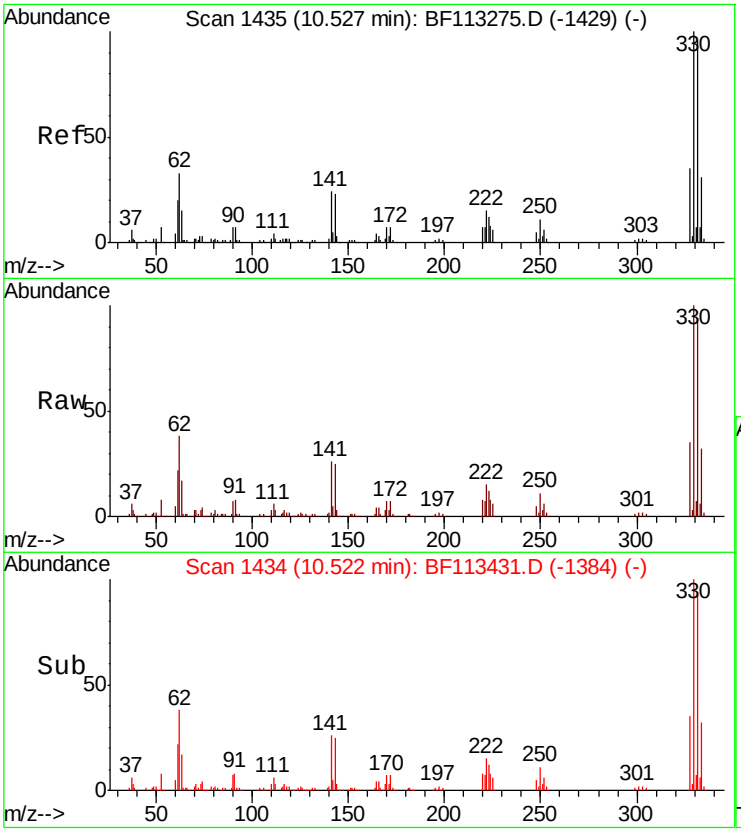


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Tgt Ion:164 Resp: 232471

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.8	122.6
160	44.0	36.4	54.6

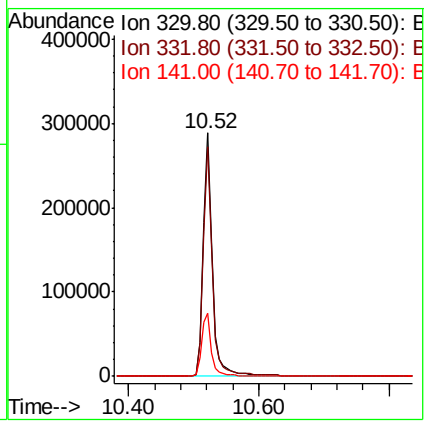




#42
2,4,6-Tribromophenol
Concen: 99.535 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Tgt Ion:330 Resp: 285819

Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.8	116.6
141	27.9	22.7	34.1



Instrument :
BNA_F
ClientSampleId :
FK-GF-02-035-A

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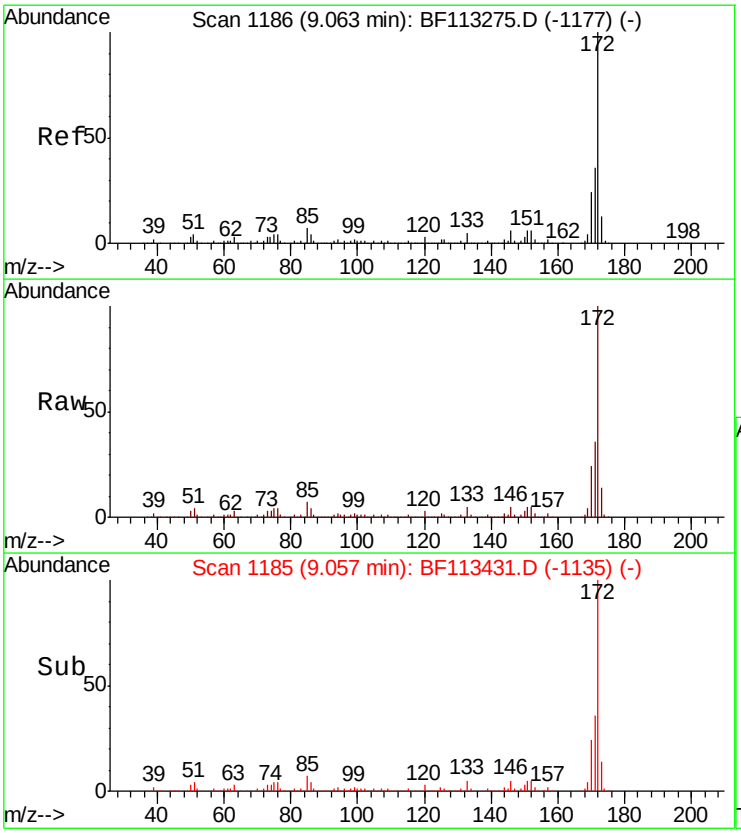
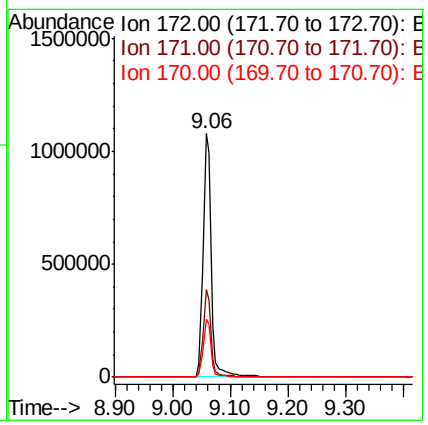
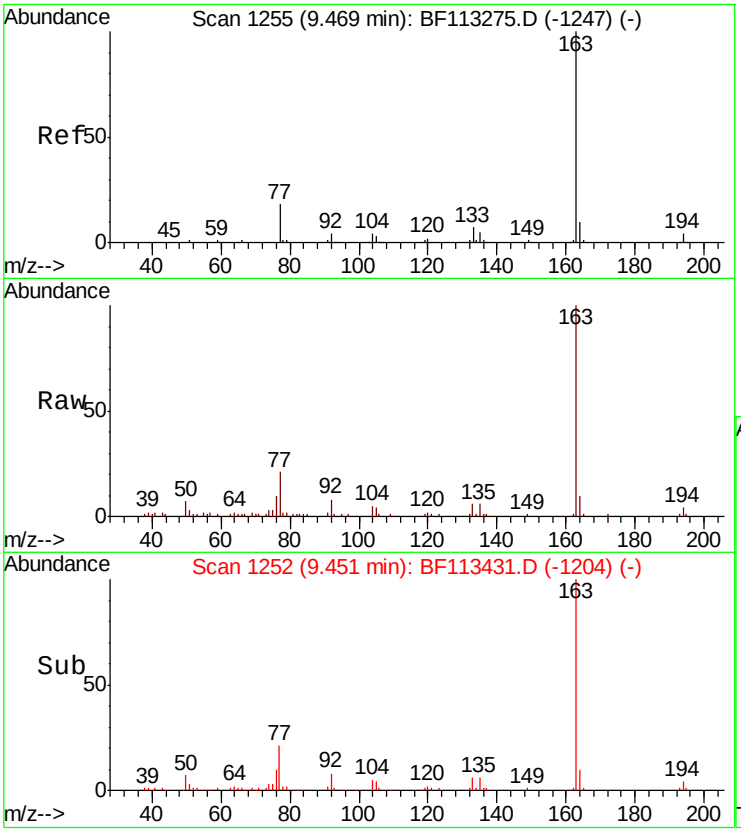


#45
2-Fluorobiphenyl
Concen: 71.098 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Tgt Ion:172 Resp: 1097308

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.6
170	23.7	19.5	29.3

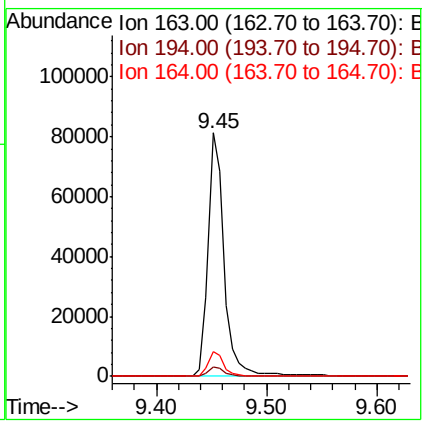




#50
Dimethylphthalate
Concen: 4.661 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Tgt Ion:163 Resp: 80305

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.6
164	10.3	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
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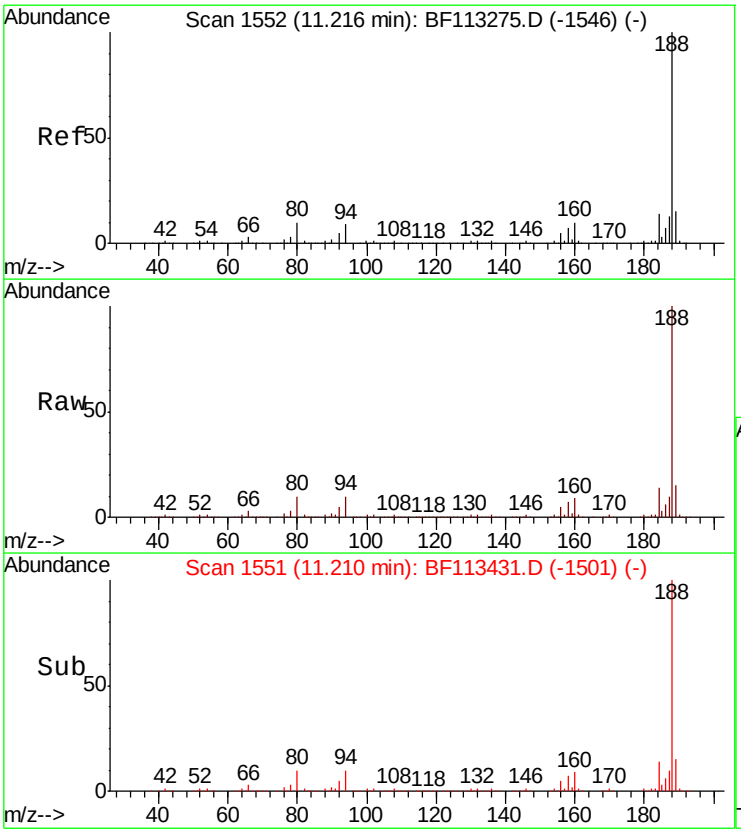
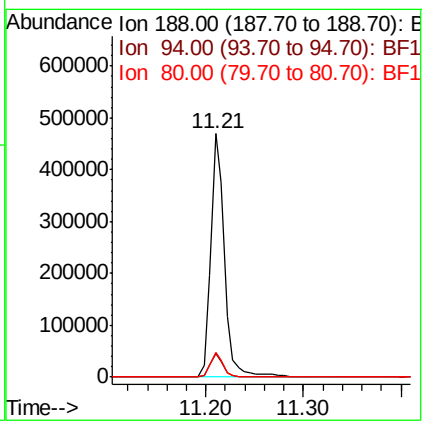
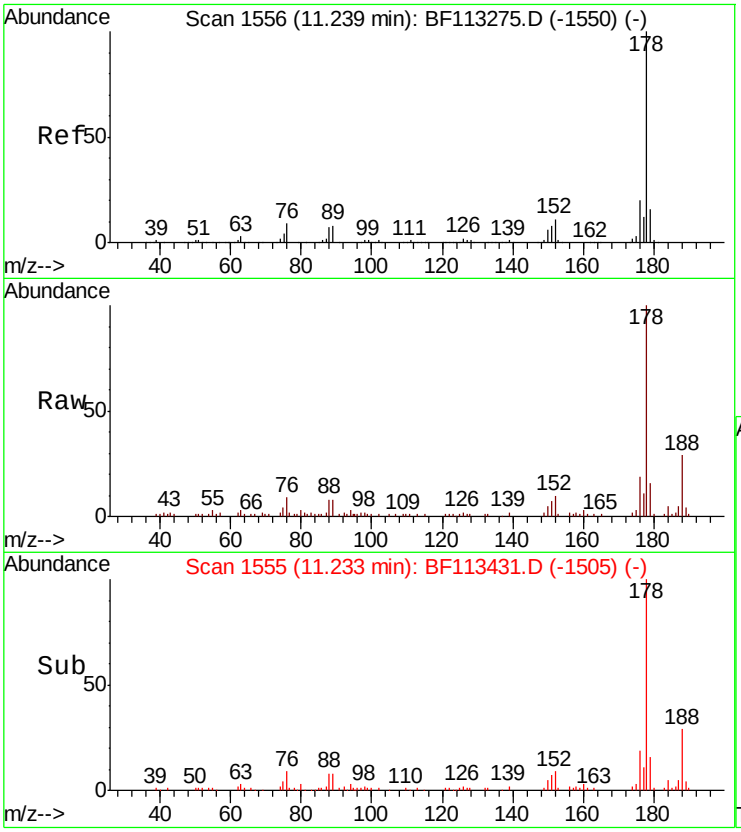


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Tgt Ion:188 Resp: 455634

Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.0	10.6
80	10.1	7.7	11.5

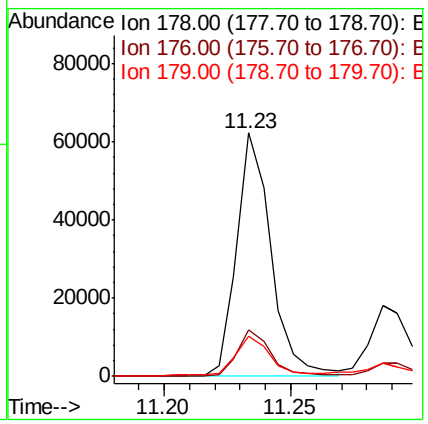




#71
Phenanthrene
Concen: 2.606 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Tgt Ion:178 Resp: 58976

Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.2
179	16.5	12.7	19.1



Instrument :
BNA_F
ClientSampleId :
FK-GF-02-035-A

Manual Integrations APPROVED
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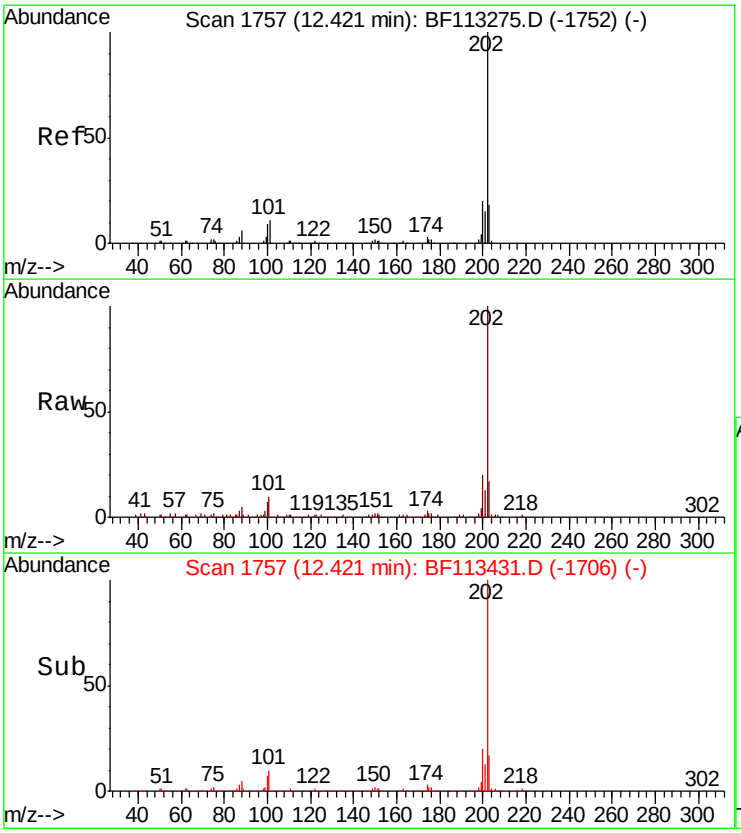
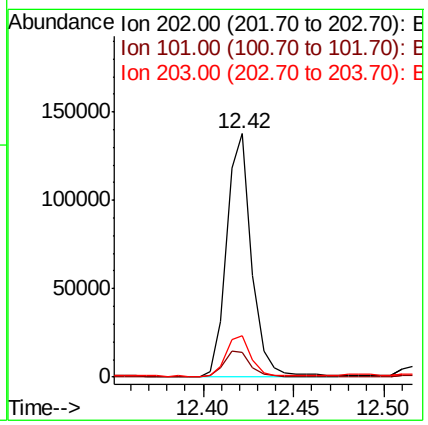
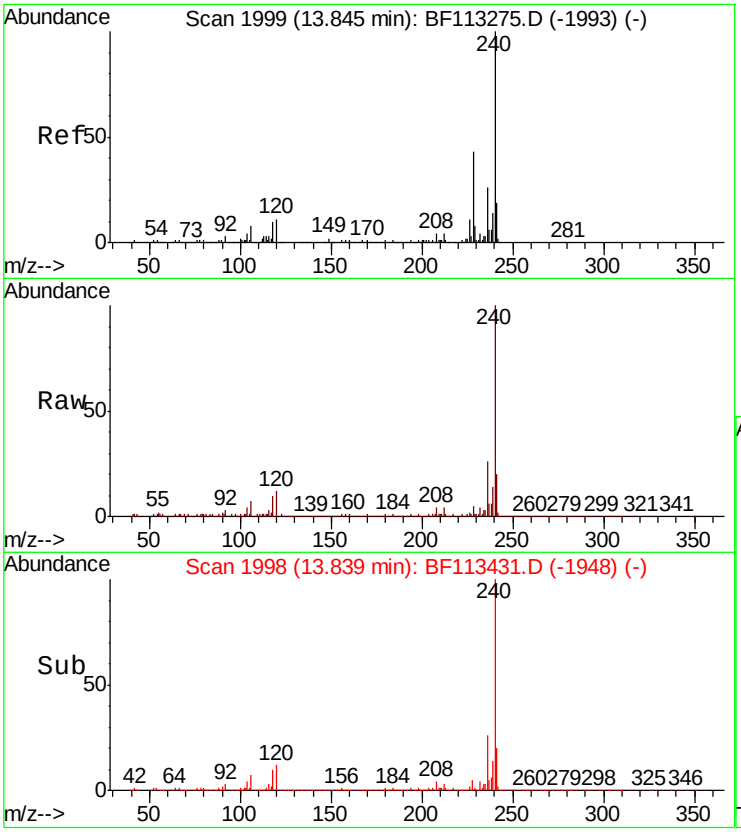


#75
Fluoranthene
Concen: 5.192 ng
RT: 12.42 min Scan# 1757
Delta R.T. 0.00 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Tgt Ion:202 Resp: 132796

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.4
203	17.1	0.0	38.0

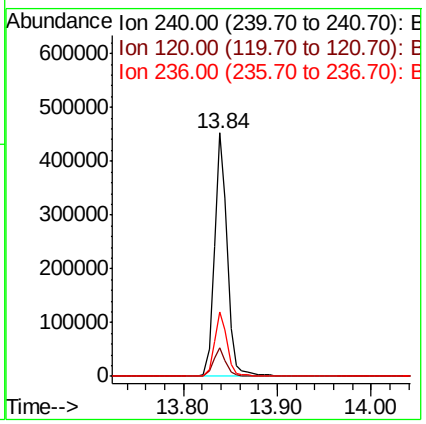




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Tgt Ion:240 Resp: 432540

Ion	Ratio	Lower	Upper
240	100		
120	11.8	8.8	13.2
236	26.3	20.9	31.3



Instrument :
BNA_F
ClientSampleId :
FK-GF-02-035-A

Manual Integrations APPROVED
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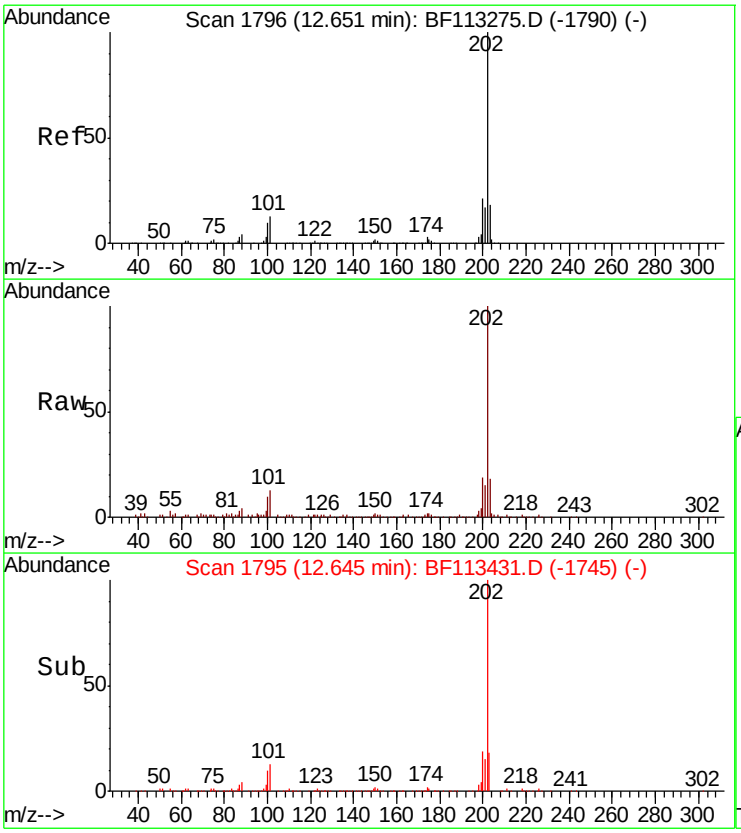
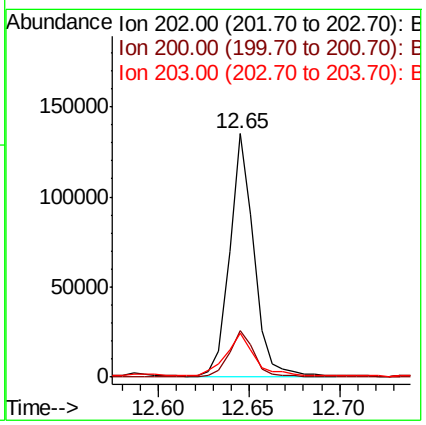
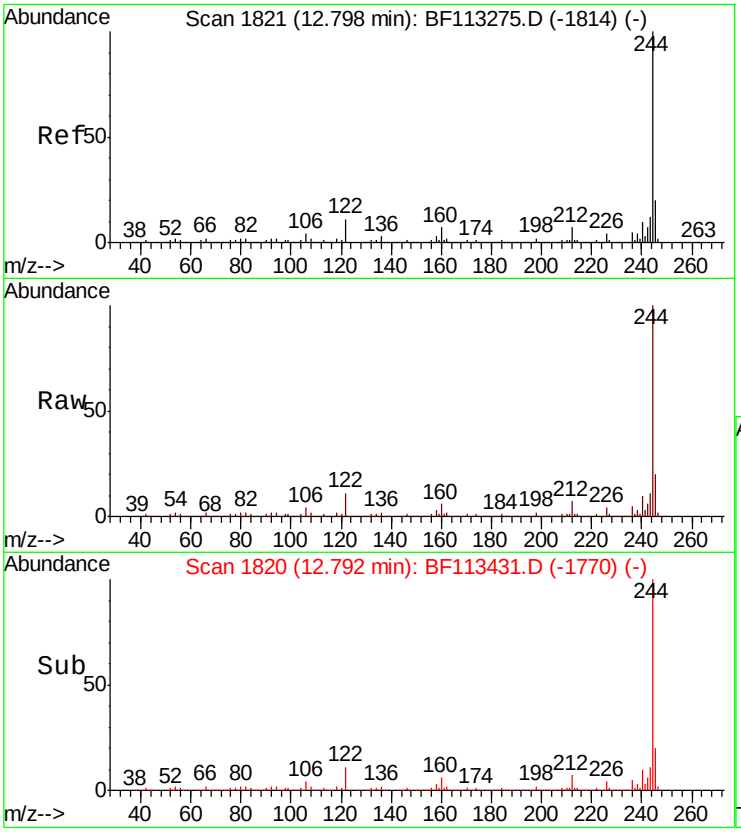


#78
Pyrene
Concen: 4.151 ng
RT: 12.65 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Tgt Ion:202 Resp: 124422

Ion	Ratio	Lower	Upper
202	100		
200	18.9	16.8	25.2
203	18.1	14.4	21.6

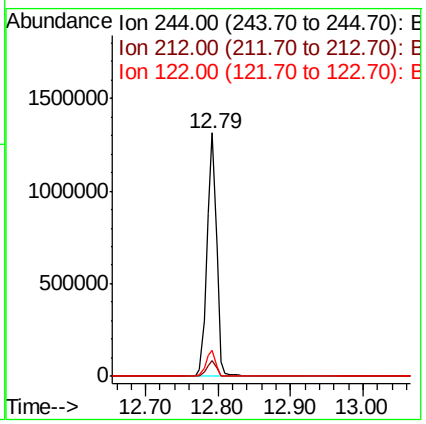




#79
Terphenyl-d14
Concen: 60.887 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

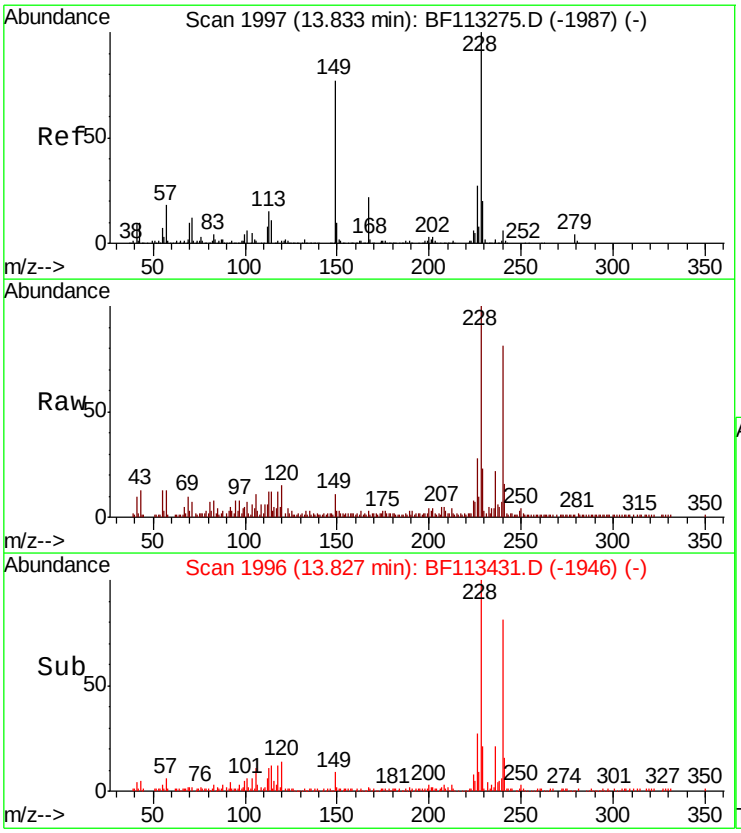
Tgt Ion:244 Resp: 1194822

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.5	8.3
122	10.9	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
FK-GF-02-035-A

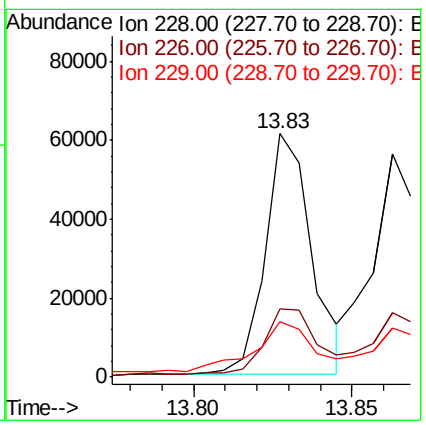
Manual Integrations APPROVED
Sohil
4/1/2019 5:46:39 PM

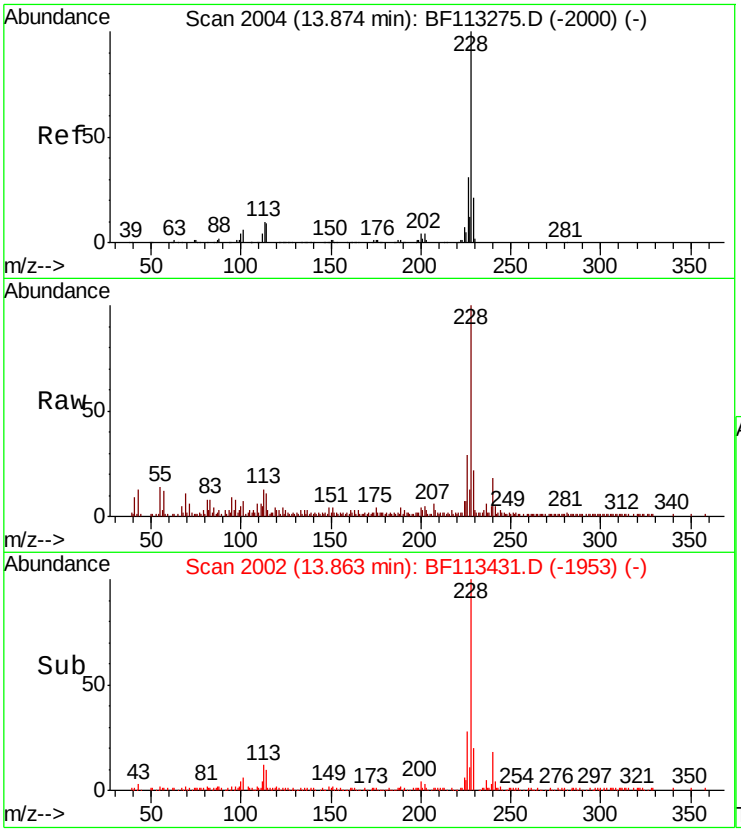


#81
Benzo(a)anthracene
Concen: 2.526 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Tgt Ion:228 Resp: 62533

Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.8	32.8
229	22.7	16.2	24.4

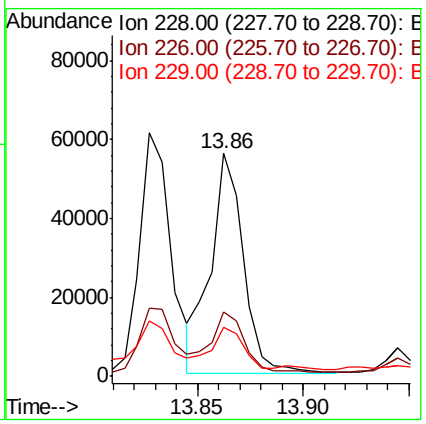




#83
Chrysene
Concen: 2.423 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

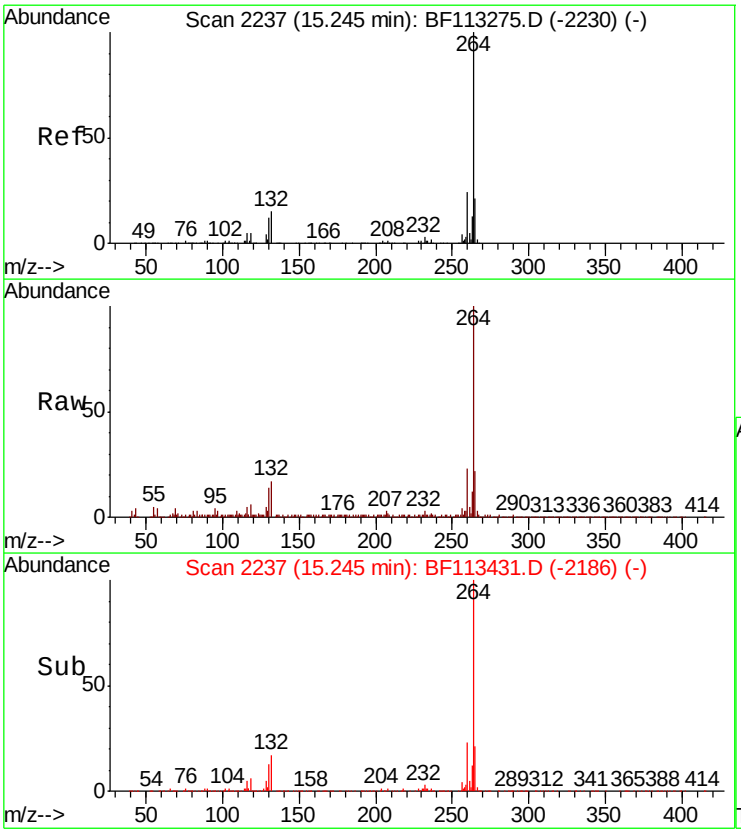
Tgt Ion:228 Resp: 60932

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.3	36.5
229	22.1	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
FK-GF-02-035-A

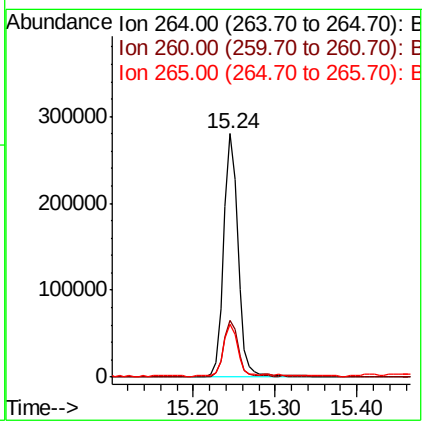
Manual Integrations APPROVED
Sohil
4/1/2019 5:46:39 PM

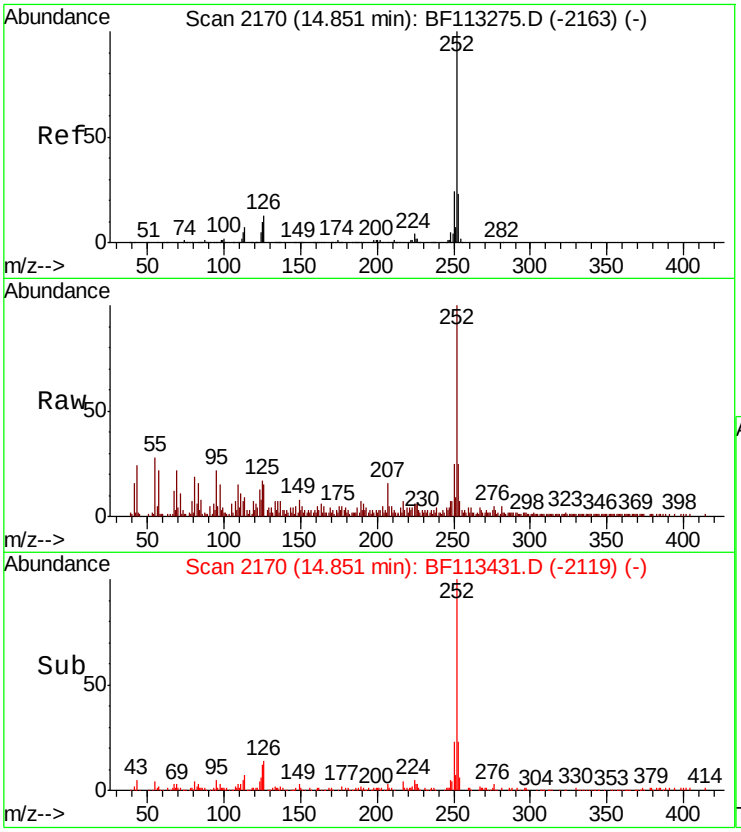


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.00 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Tgt Ion:264 Resp: 342274

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.1	28.7
265	21.8	17.1	25.7





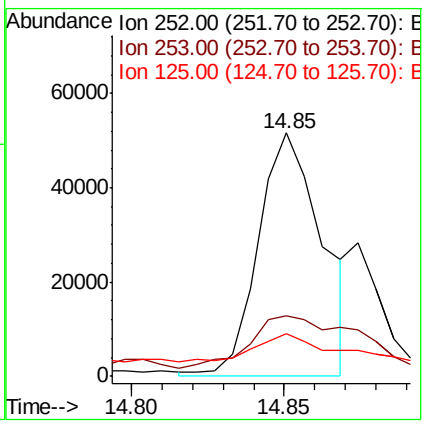
#88
Benzo(b)fluoranthene
Concen: 3.541 ng m
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

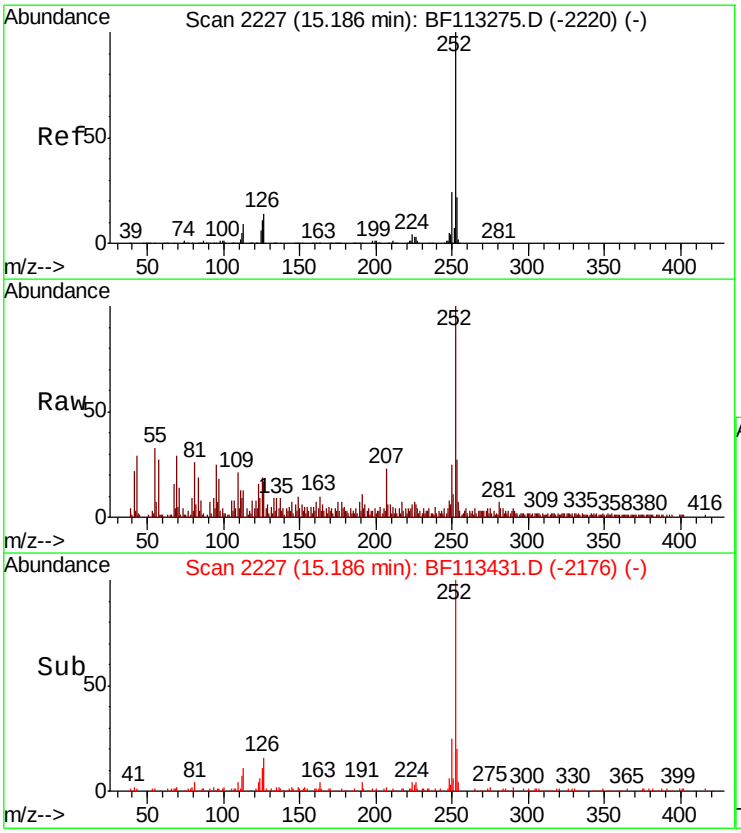
Tgt Ion:252 Resp: 75291

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.0	27.0
125	17.4	7.6	11.4#

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-035-A

Manual Integrations APPROVED
Sohil
4/1/2019 5:46:39 PM





#90
Benzo(a)pyrene
Concen: 2.546 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BF113431.D
Acq: 29 Mar 2019 23:44

Tgt Ion:252 Resp: 47996

Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.9	26.9
125	18.7	8.8	13.2#