Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
Data File : BF111614.D
Acq On : 20 Dec 2018 2:20
Operator : JU/SJ
Sample : J6199-11 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-121818-B

Manual Integrations APPROVED
Sohil
12/20/2018 12:42:36 PM

Quant Time: Dec 20 04:39:27 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 19 17:39:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	187716	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	656071	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	296911	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	529391	20.00	ng	0.00
76) Chrysene-d12	14.05	240	486290	20.00	ng	0.00
87) Perylene-d12	15.52	264	334513	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	253789	23.05	ng	-0.01
7) Phenol-d6	6.51	99	322383	23.00	ng	-0.01
23) Nitrobenzene-d5	7.45	82	173593	15.40	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	70845	20.19	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	313639	15.40	ng	0.00
79) Terphenyl-d14	13.00	244	316873	12.36	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.44	178	188211	6.704	ng	93
75) Fluoranthene	12.63	202	281881	9.915	ng	94
78) Pyrene	12.86	202	271604	7.909	ng	95
81) Benzo(a)anthracene	14.04	228	126585	4.561	ng	97
83) Chrysene	14.07	228	119864	4.394	ng	97
88) Benzo(b)fluoranthene	15.09	252	124379m	6.362	ng	
90) Benzo(a)pyrene	15.46	252	81408	4.583	ng	96
92) Benzo(g,h,i)perylene	17.44	276	43236	2.847	ng	90

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

Quantitation Report (QT/LSC Reviewed)

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Instrument :
BNA_F
ClientSampleId :
SU-02-121818-B

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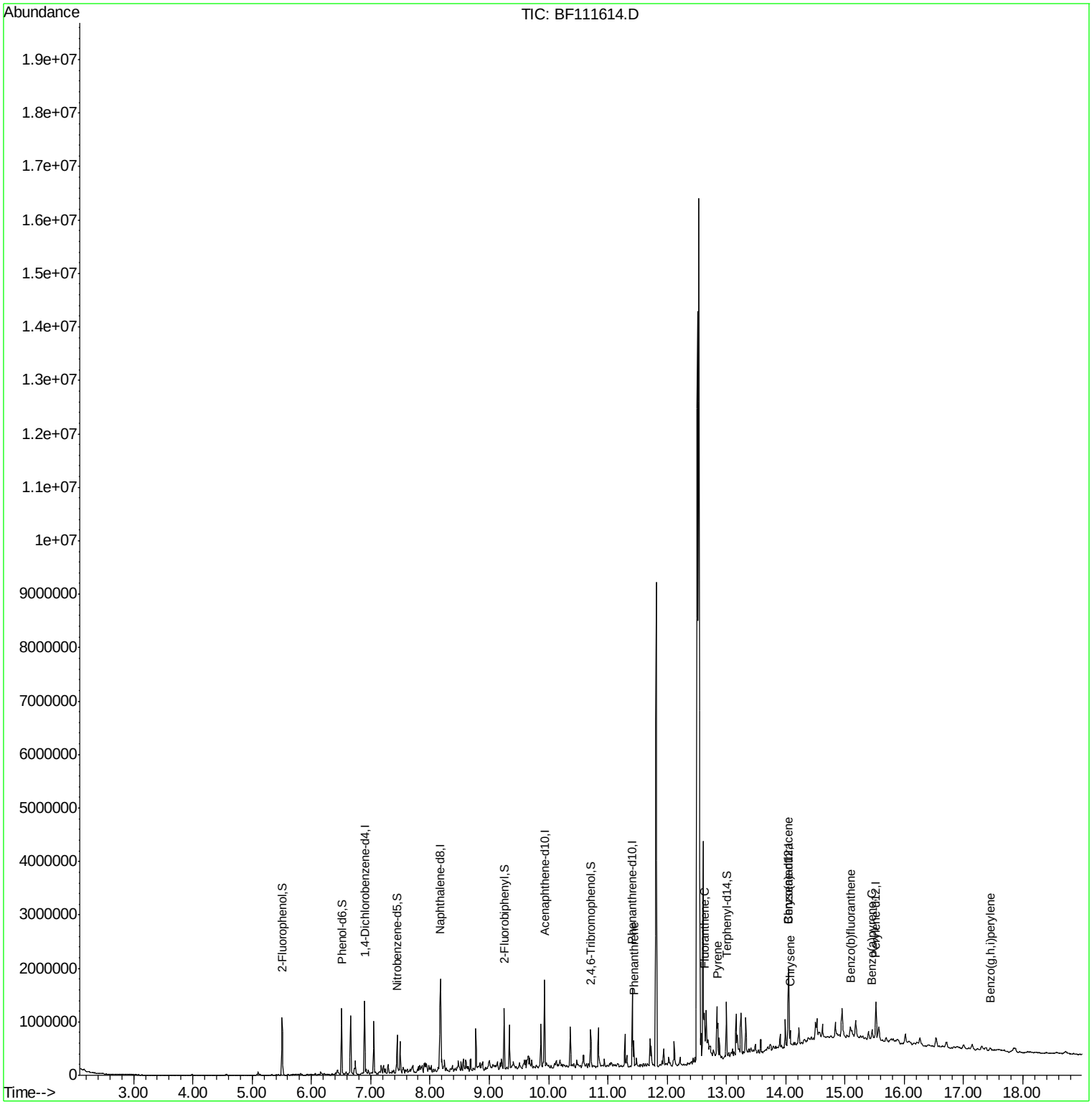
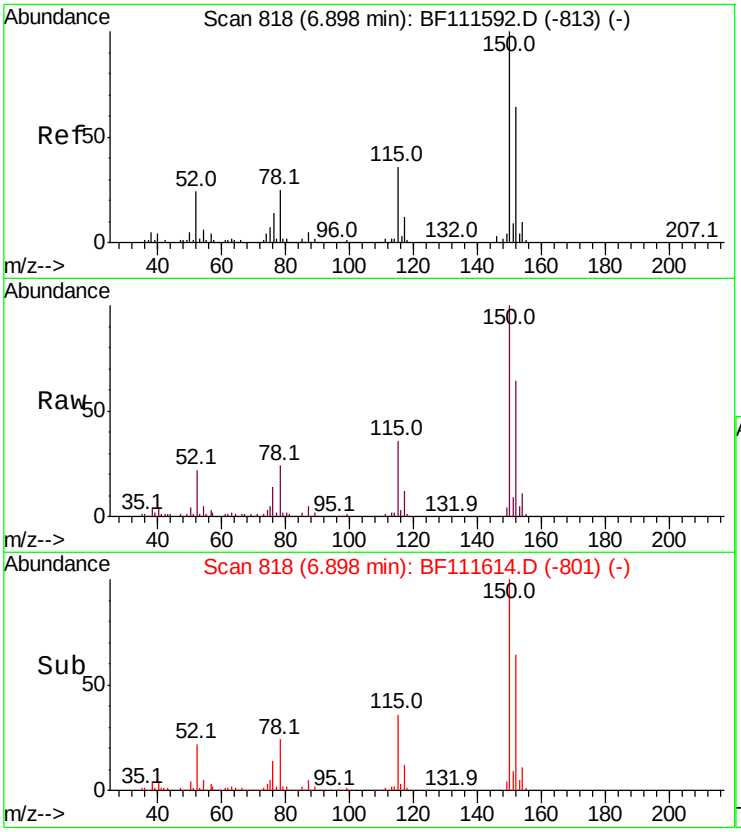
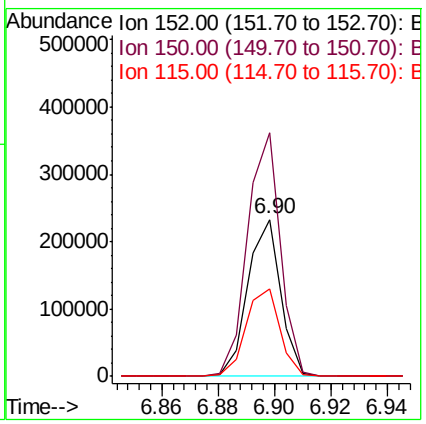




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111614.D
Acq: 20 Dec 2018 2:20

Tgt Ion:152 Resp: 187716

Ion	Ratio	Lower	Upper
152	100		
150	155.3	126.6	189.8
115	56.0	50.7	76.1



Instrument :
BNA_F
ClientSampleId :
SU-02-121818-B

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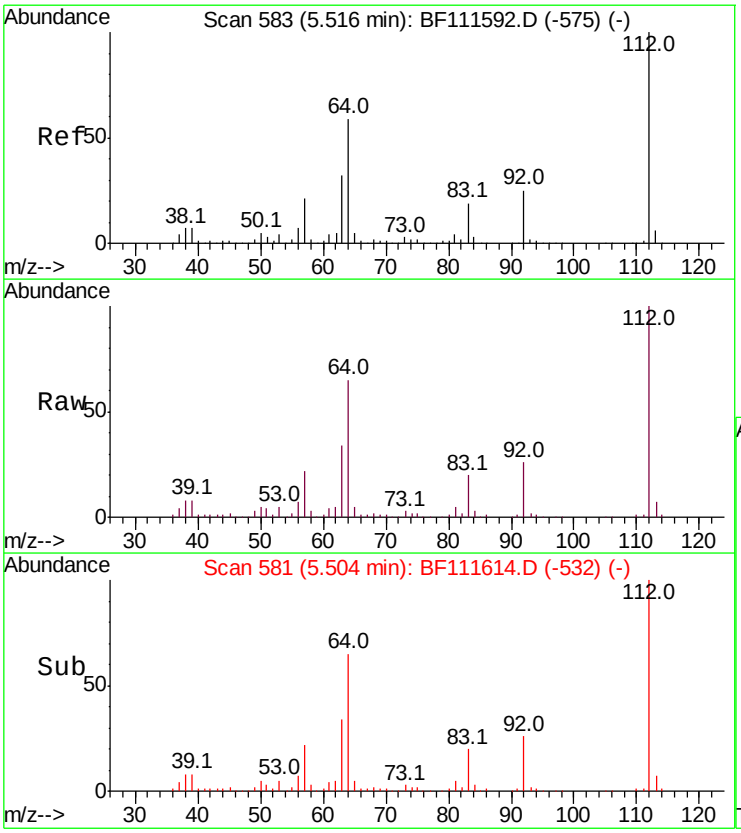
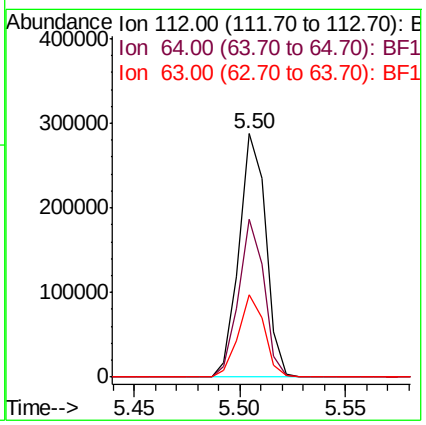
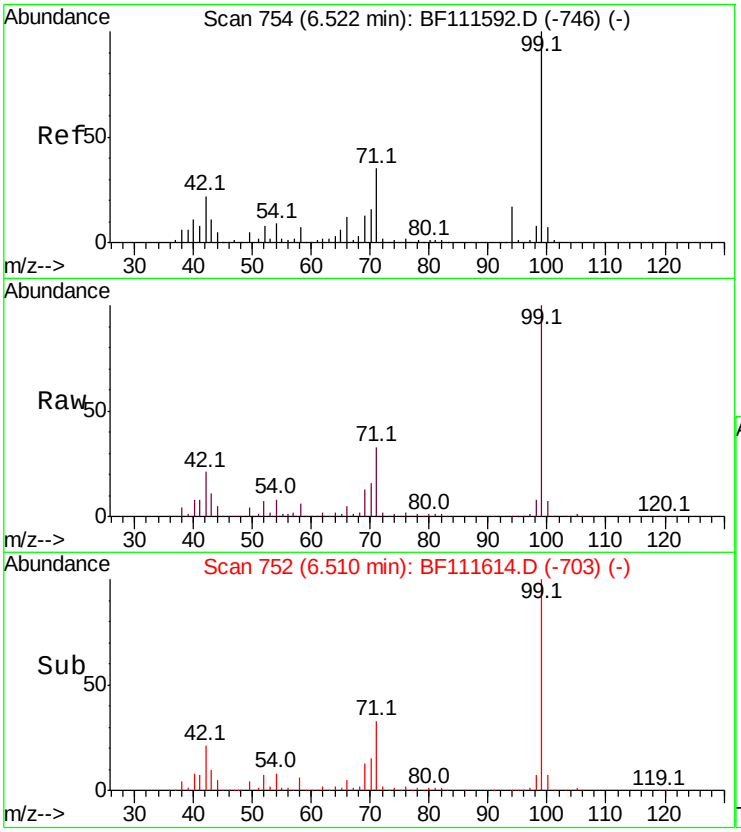


#5
2-Fluorophenol
Concen: 23.045 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.01 min
Lab File: BF111614.D
Acq: 20 Dec 2018 2:20

Tgt Ion:112 Resp: 253789

Ion	Ratio	Lower	Upper
112	100		
64	65.0	51.8	77.6
63	34.0	26.8	40.2

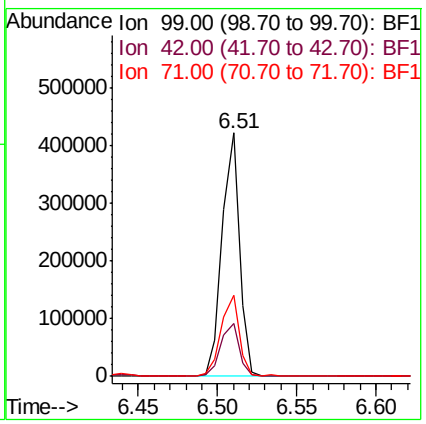




#7
Phenol-d6
Concen: 23.002 ng
RT: 6.51 min Scan# 752
Delta R.T. -0.01 min
Lab File: BF111614.D
Acq: 20 Dec 2018 2:20

Tgt Ion: 99 Resp: 322383

Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.4	26.0
71	33.2	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
SU-02-121818-B

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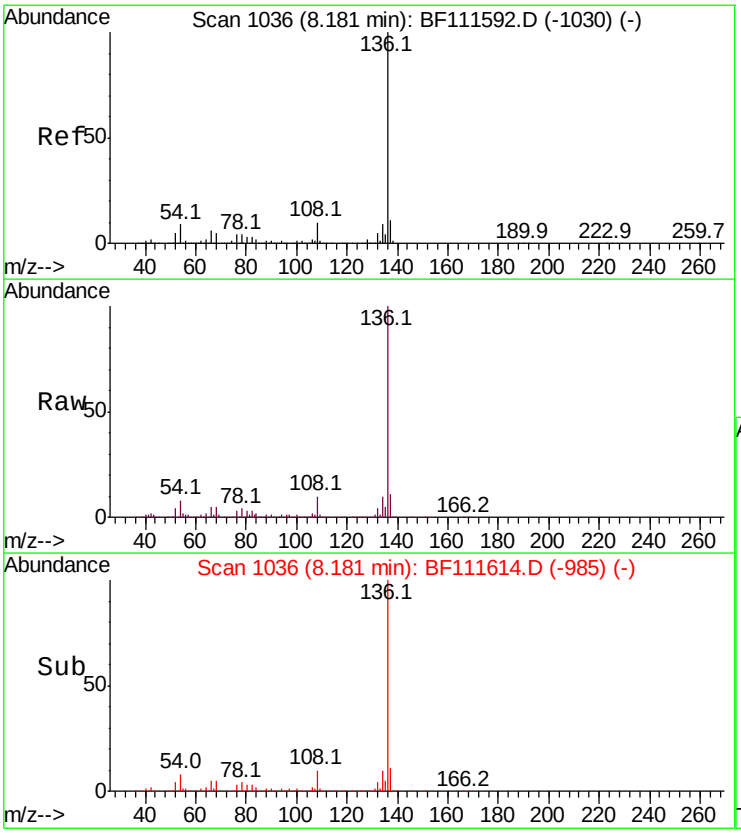
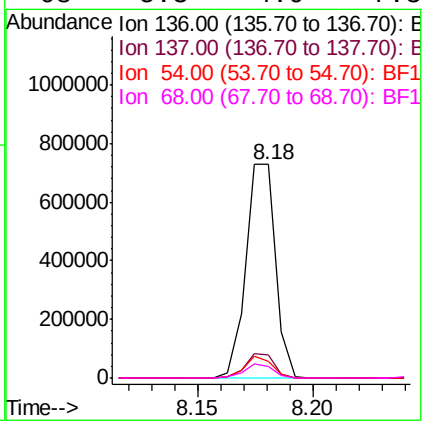
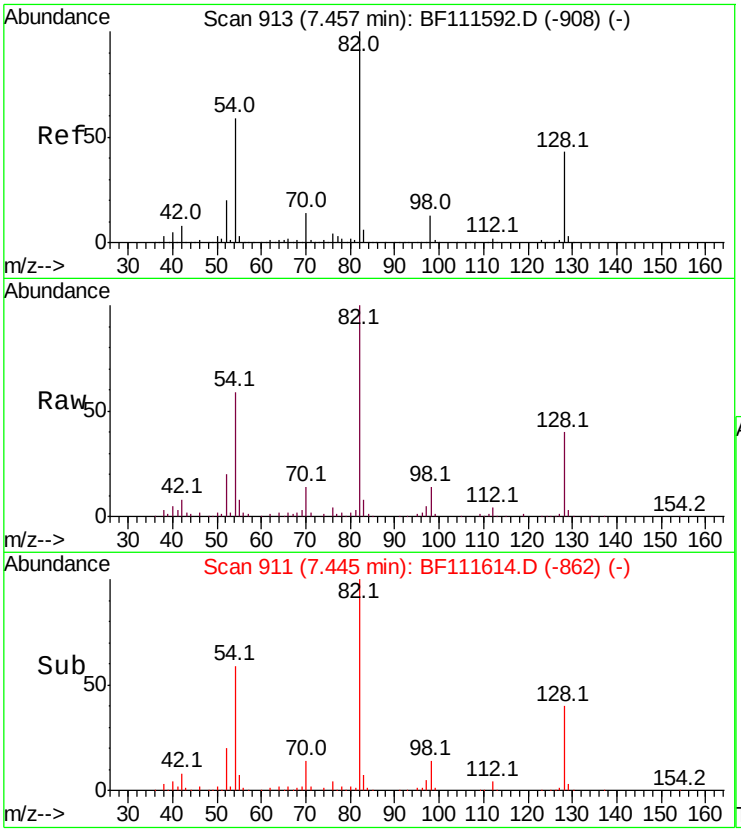


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF111614.D
Acq: 20 Dec 2018 2:20

Tgt Ion:136 Resp: 656071

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	8.1	7.7	11.5
68	5.3	4.9	7.3

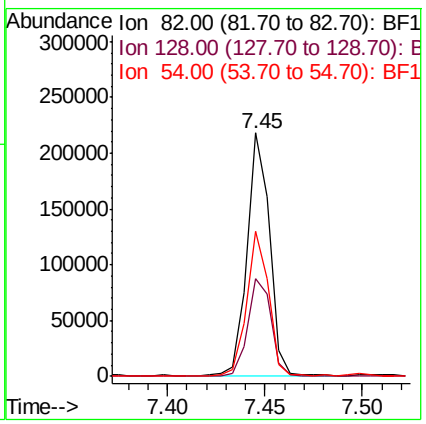




#23
Nitrobenzene-d5
Concen: 15.401 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF111614.D
Acq: 20 Dec 2018 2:20

Tgt Ion: 82 Resp: 173593

Ion	Ratio	Lower	Upper
82	100		
128	40.1	37.4	56.2
54	59.5	47.6	71.4



Instrument :
BNA_F
ClientSampleId :
SU-02-121818-B

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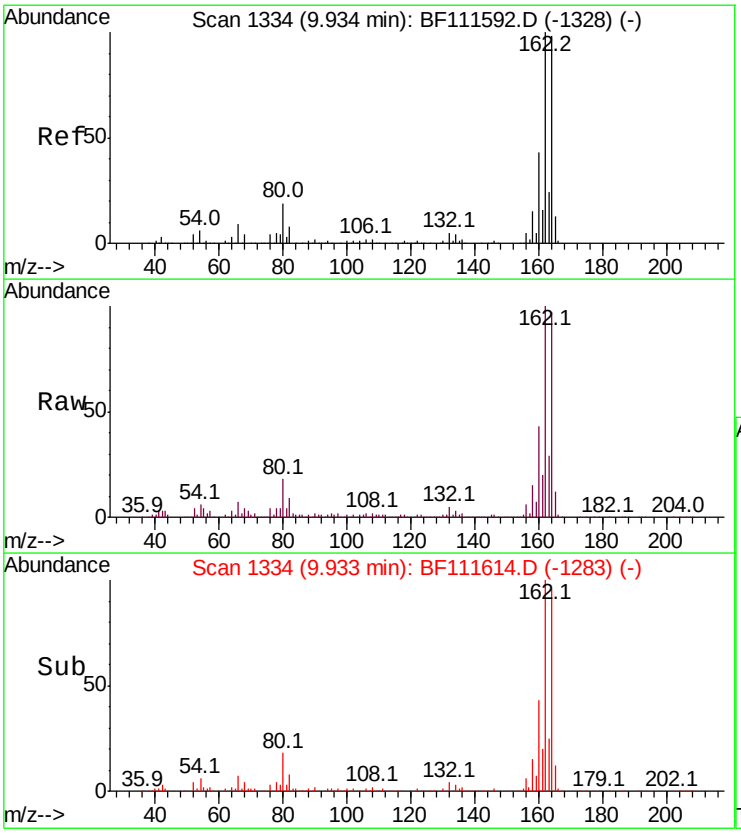
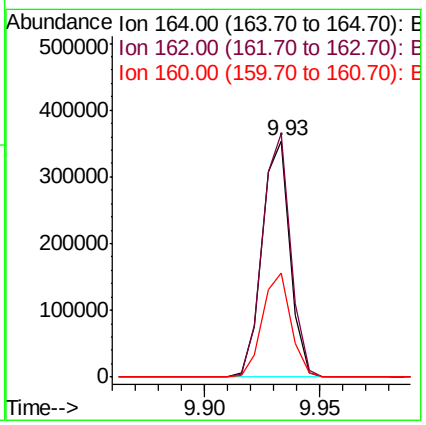
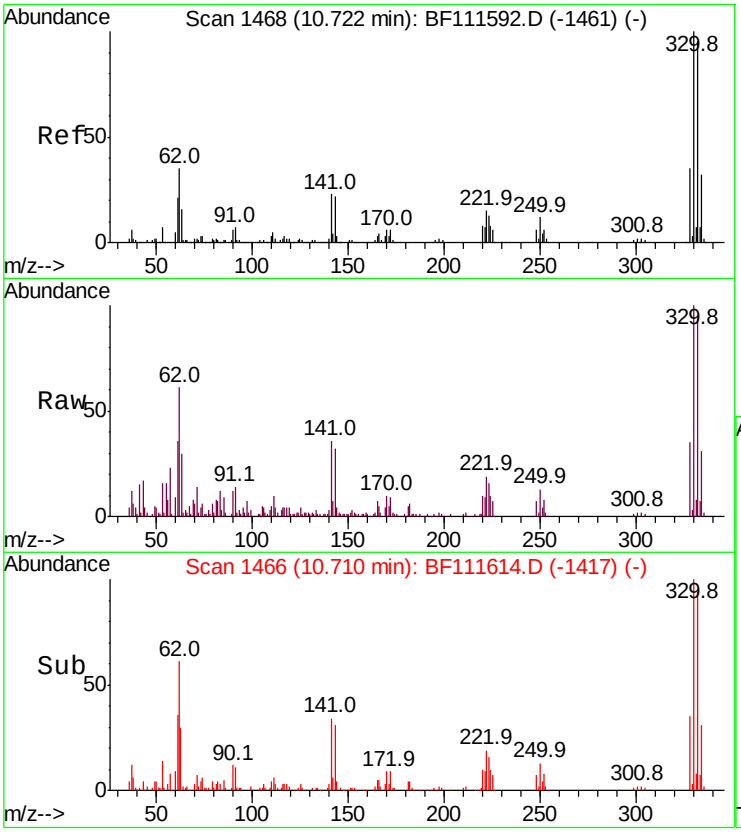


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF111614.D
Acq: 20 Dec 2018 2:20

Tgt Ion:164 Resp: 296911

Ion	Ratio	Lower	Upper
164	100		
162	103.0	81.4	122.0
160	44.3	35.7	53.5

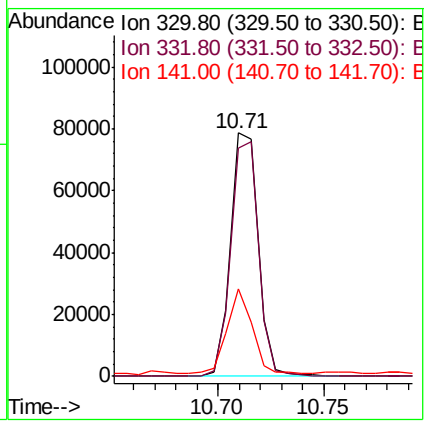




#42
2,4,6-Tribromophenol
Concen: 20.194 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF111614.D
Acq: 20 Dec 2018 2:20

Tgt Ion:330 Resp: 70845

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.0	114.0
141	31.7	31.0	46.6



Instrument :
BNA_F
ClientSampleId :
SU-02-121818-B

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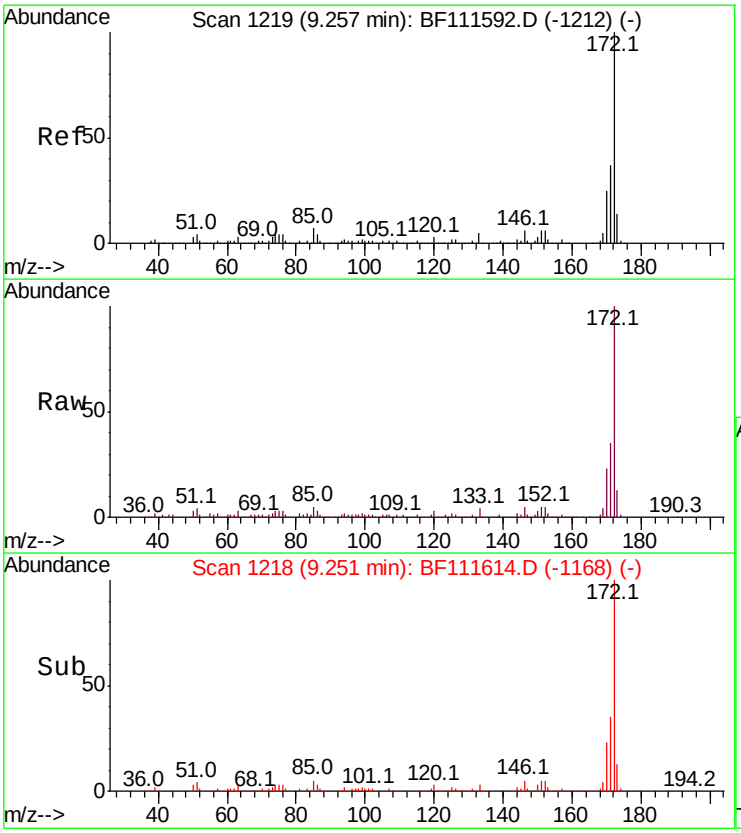
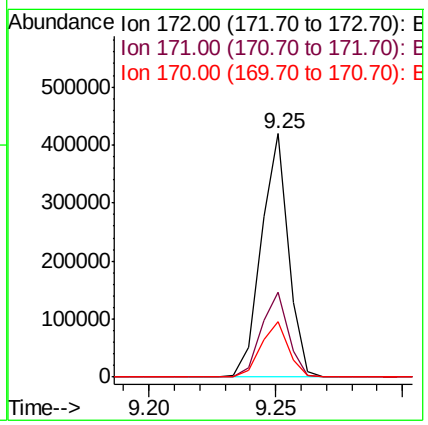
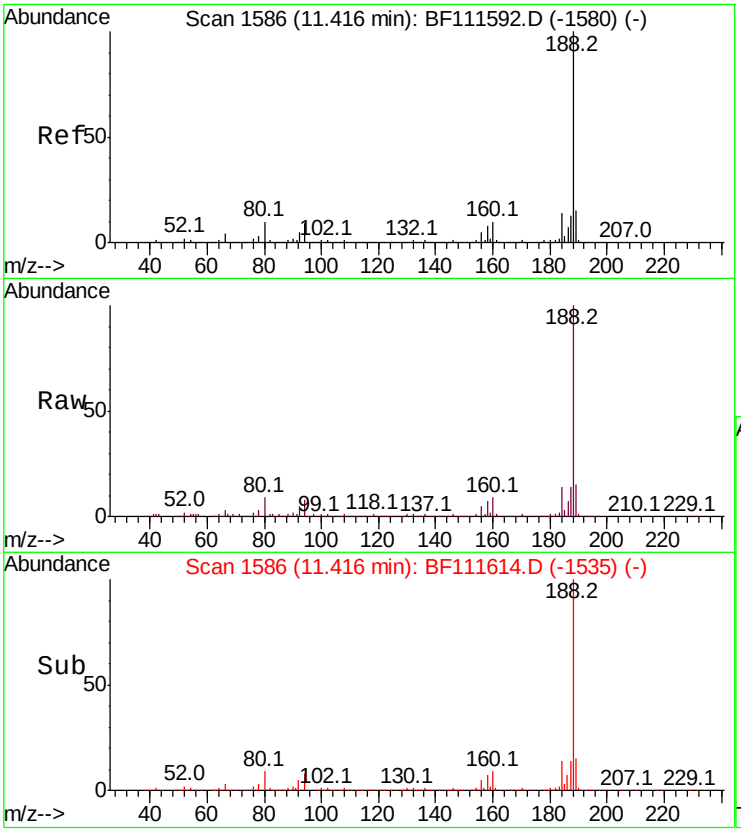


#45
2-Fluorobiphenyl
Concen: 15.397 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111614.D
Acq: 20 Dec 2018 2:20

Tgt Ion:172 Resp: 313639

Ion	Ratio	Lower	Upper
172	100		
171	34.9	33.0	49.4
170	23.0	22.3	33.5





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF111614.D
Acq: 20 Dec 2018 2:20

Tgt Ion:188 Resp: 529391

Ion	Ratio	Lower	Upper
188	100		
94	8.4	9.6	14.4#
80	9.0	9.8	14.6#

Instrument :
BNA_F
ClientSampleId :
SU-02-121818-B

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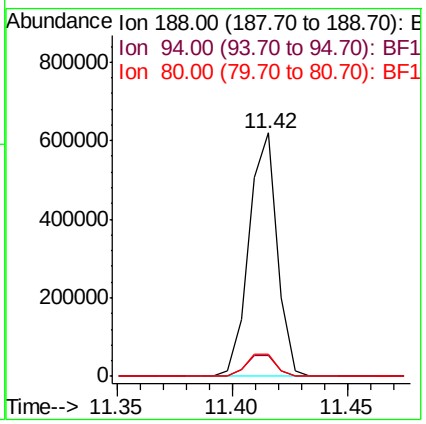
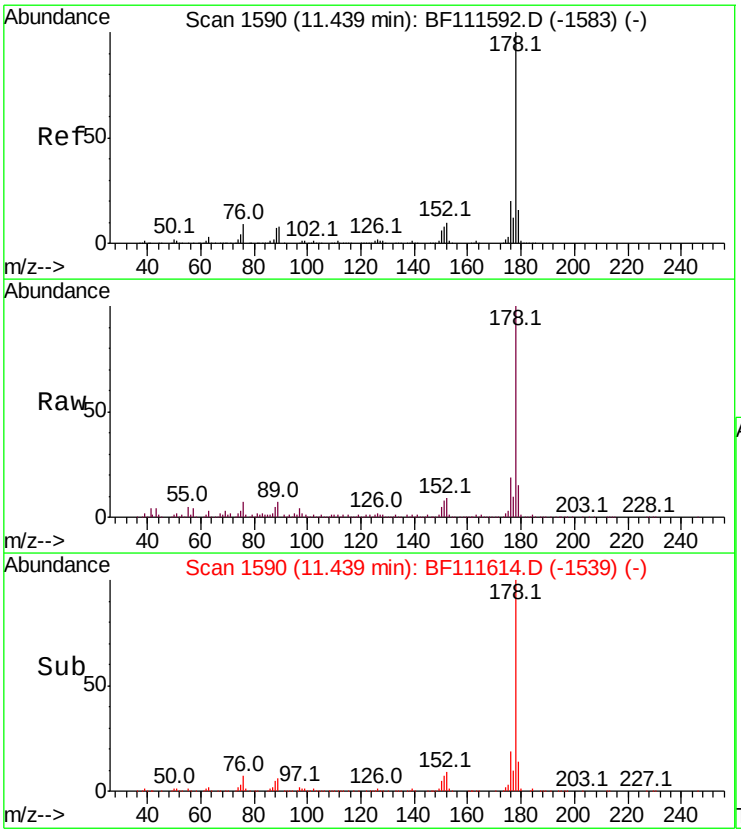
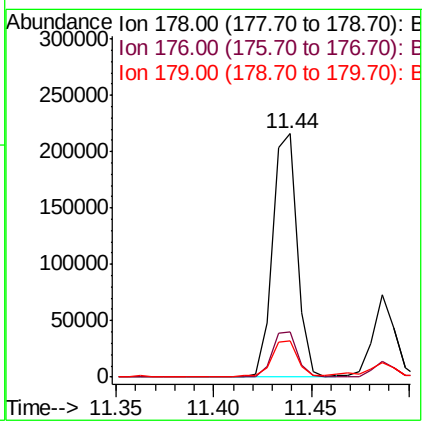


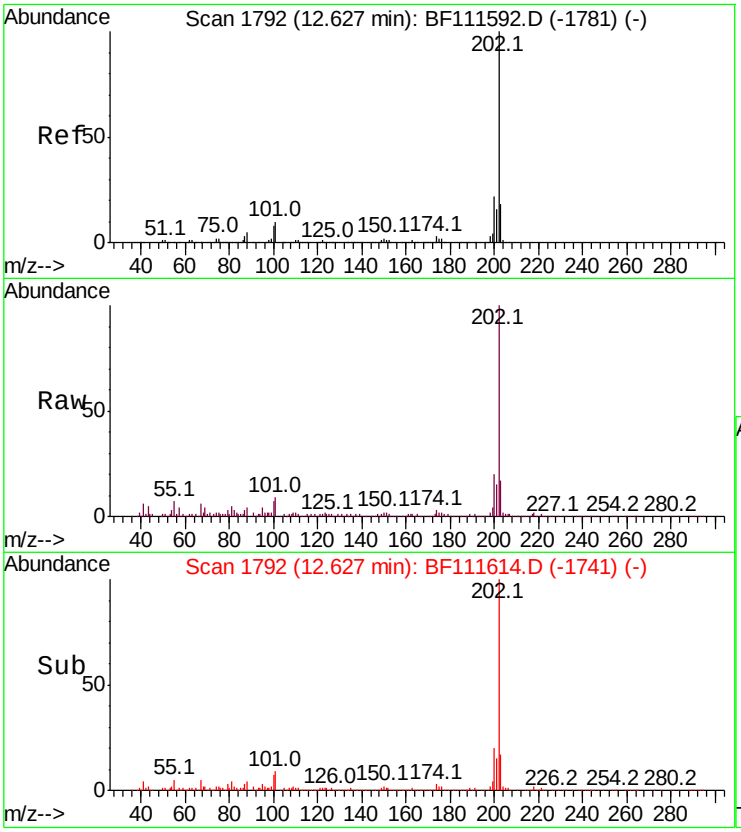


#71
Phenanthrene
Concen: 6.704 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BF111614.D
Acq: 20 Dec 2018 2:20

Tgt Ion:178 Resp: 188211

Ion	Ratio	Lower	Upper
178	100		
176	18.8	18.1	27.1
179	14.8	14.0	21.0

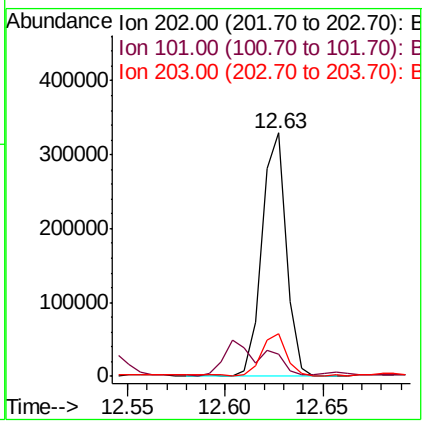




#75
Fluoranthene
Concen: 9.915 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.00 min
Lab File: BF111614.D
Acq: 20 Dec 2018 2:20

Tgt Ion:202 Resp: 281881

Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	33.8
203	17.3	0.0	38.6



Instrument :
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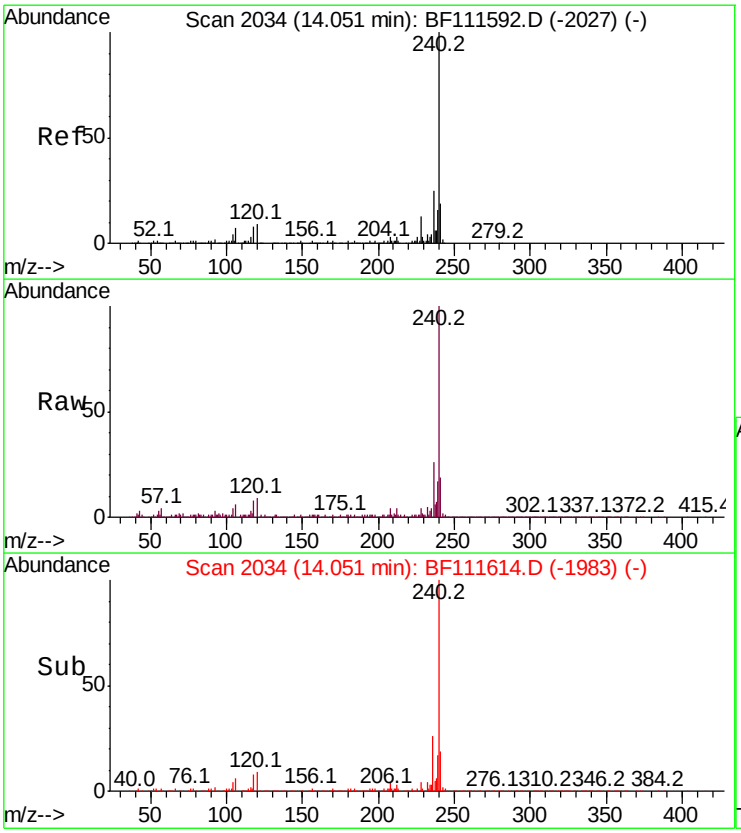
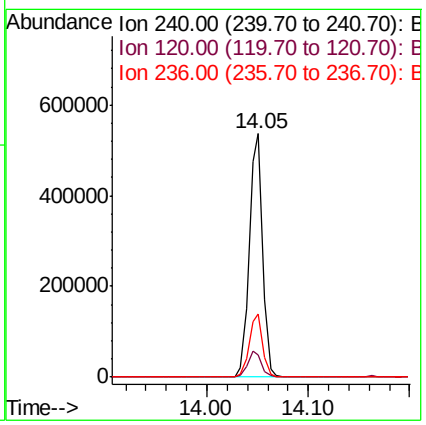
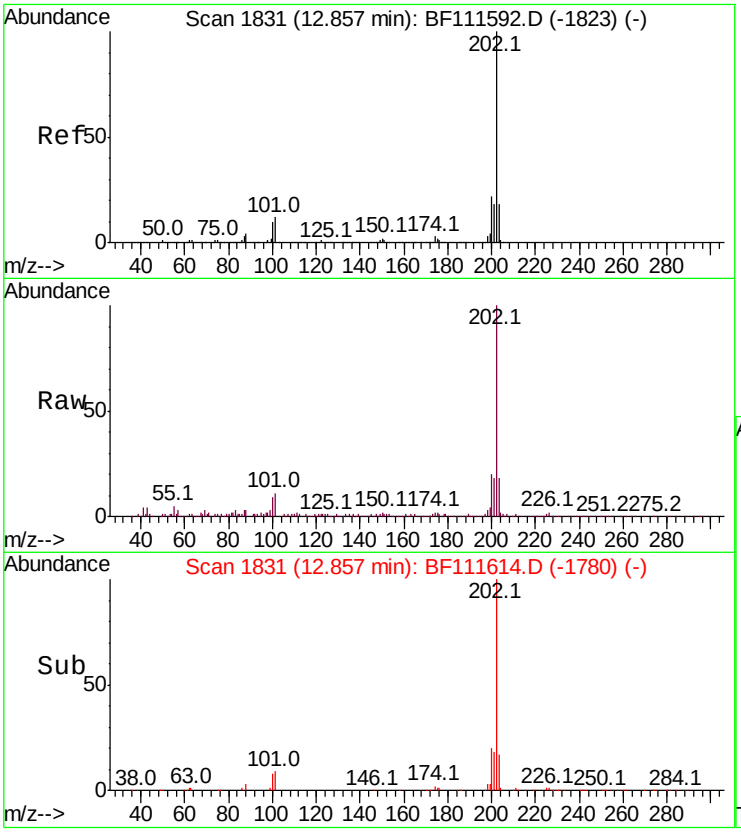


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF111614.D
Acq: 20 Dec 2018 2:20

Tgt Ion:240 Resp: 486290

Ion	Ratio	Lower	Upper
240	100		
120	9.2	12.2	18.2#
236	25.7	20.2	30.2

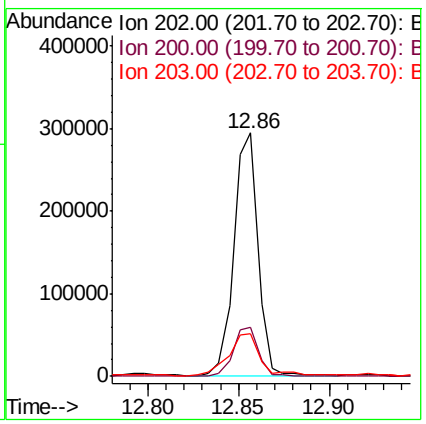




#78
Pyrene
Concen: 7.909 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF111614.D
Acq: 20 Dec 2018 2:20

Tgt Ion:202 Resp: 271604

Ion	Ratio	Lower	Upper
202	100		
200	20.3	19.0	28.4
203	17.5	15.2	22.8



Instrument :
BNA_F
ClientSampleId :
SU-02-121818-B

Manual Integrations APPROVED
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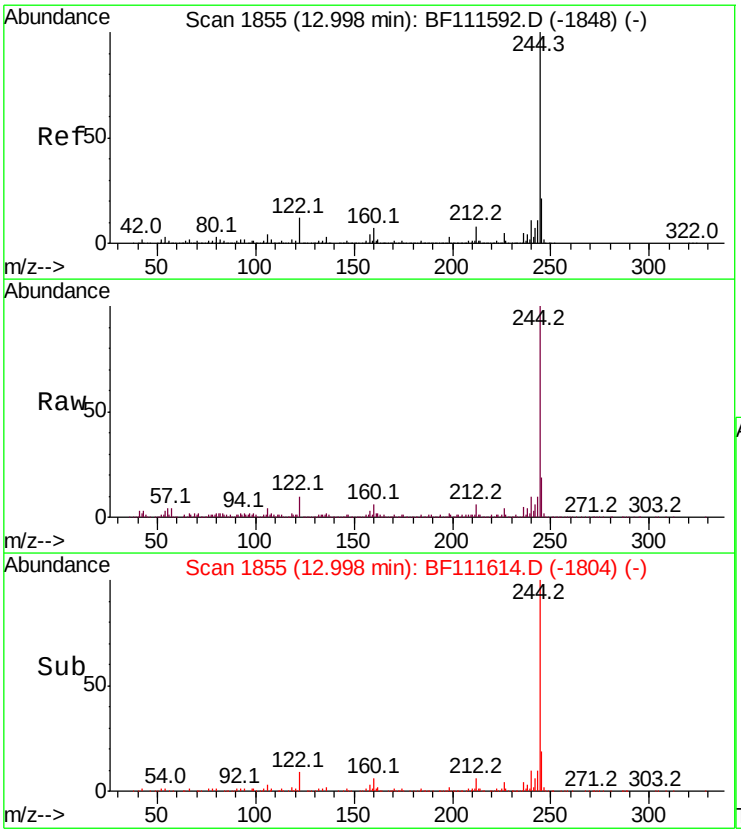
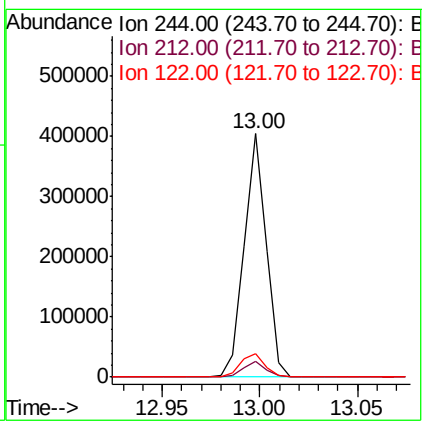
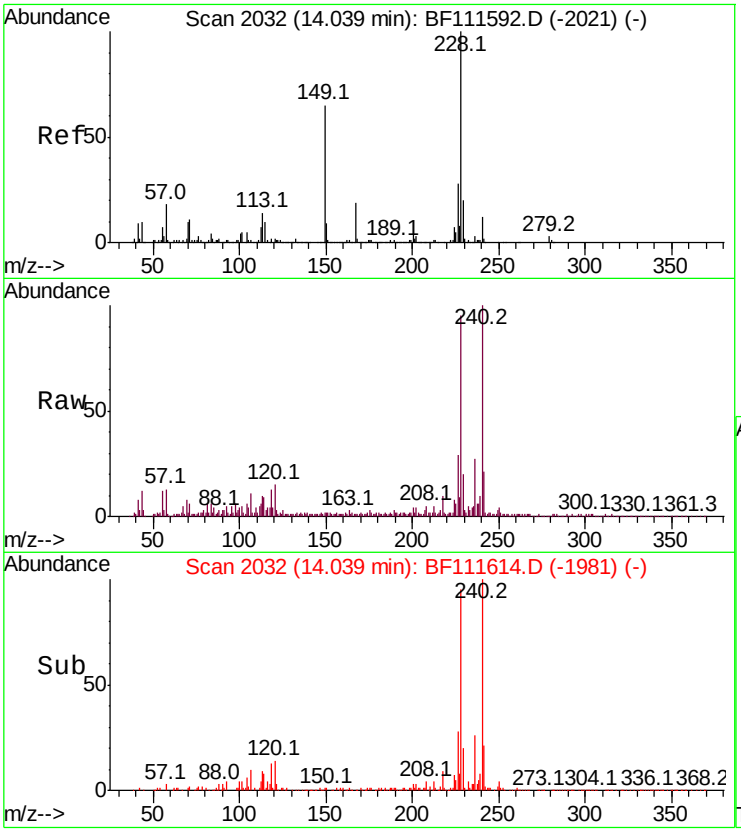


#79
Terphenyl-d14
Concen: 12.357 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF111614.D
Acq: 20 Dec 2018 2:20

Tgt Ion:244 Resp: 316873

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.7	8.5
122	9.9	13.1	19.7#

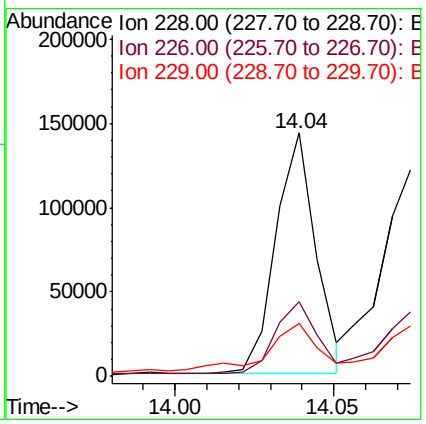




#81
Benzo(a)anthracene
Concen: 4.561 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF111614.D
Acq: 20 Dec 2018 2:20

Tgt Ion:228 Resp: 126585

Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.6	34.0
229	21.5	16.3	24.5



Instrument :
BNA_F
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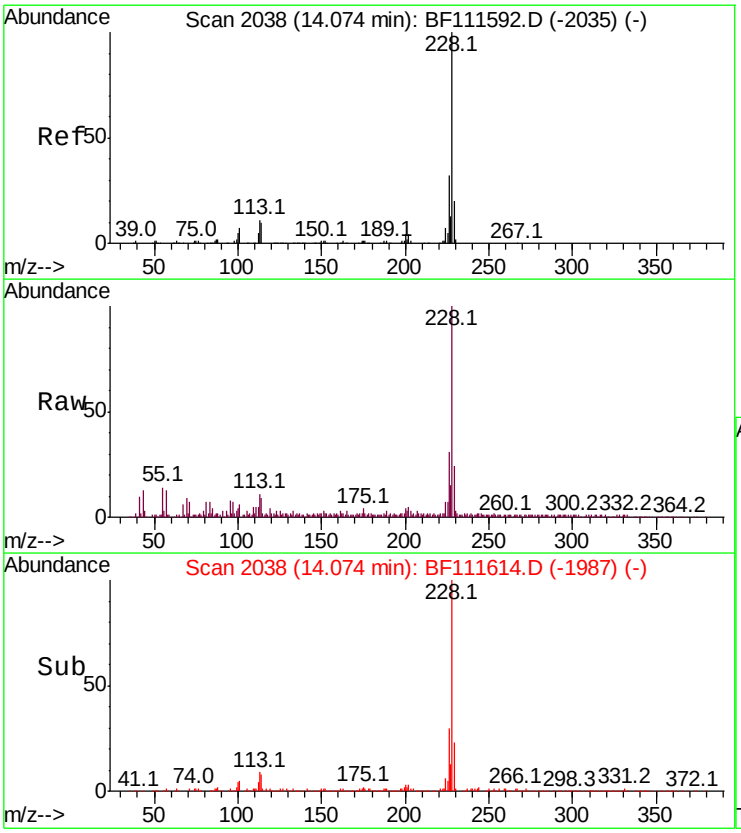
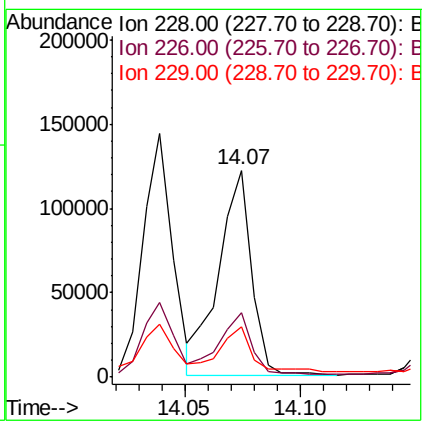
12/20/2018 12:42:36 PM

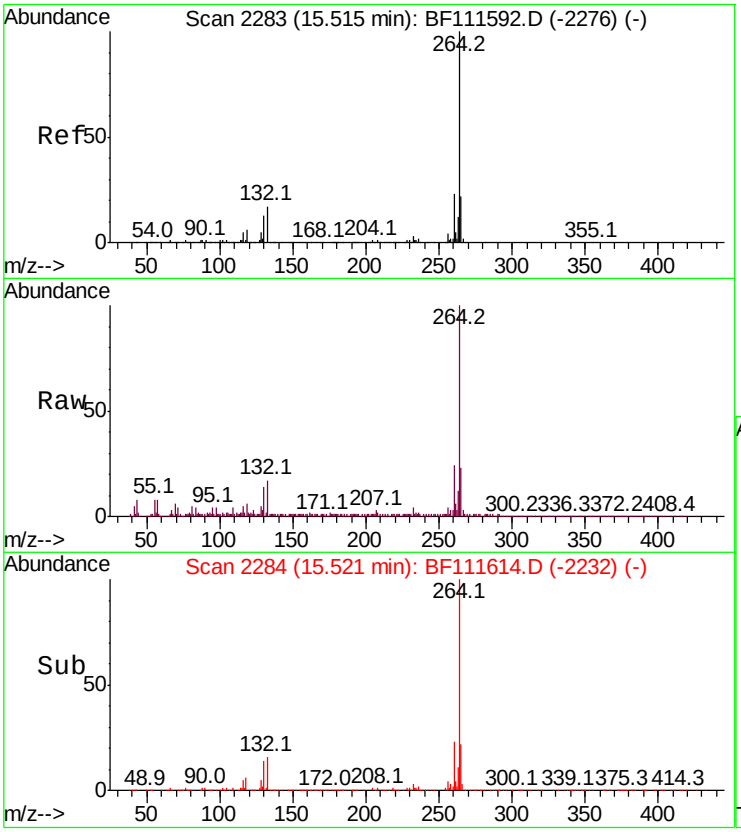


#83
Chrysene
Concen: 4.394 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF111614.D
Acq: 20 Dec 2018 2:20

Tgt Ion:228 Resp: 119864

Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.3	37.9
229	24.3	17.2	25.8





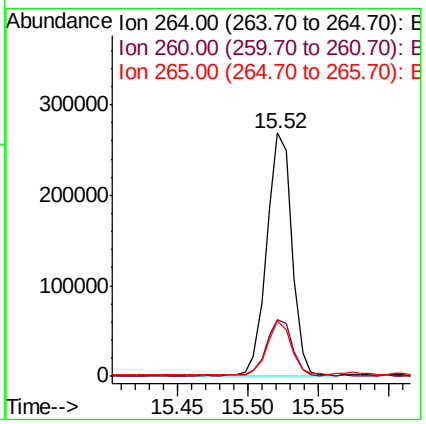
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF111614.D
Acq: 20 Dec 2018 2:20

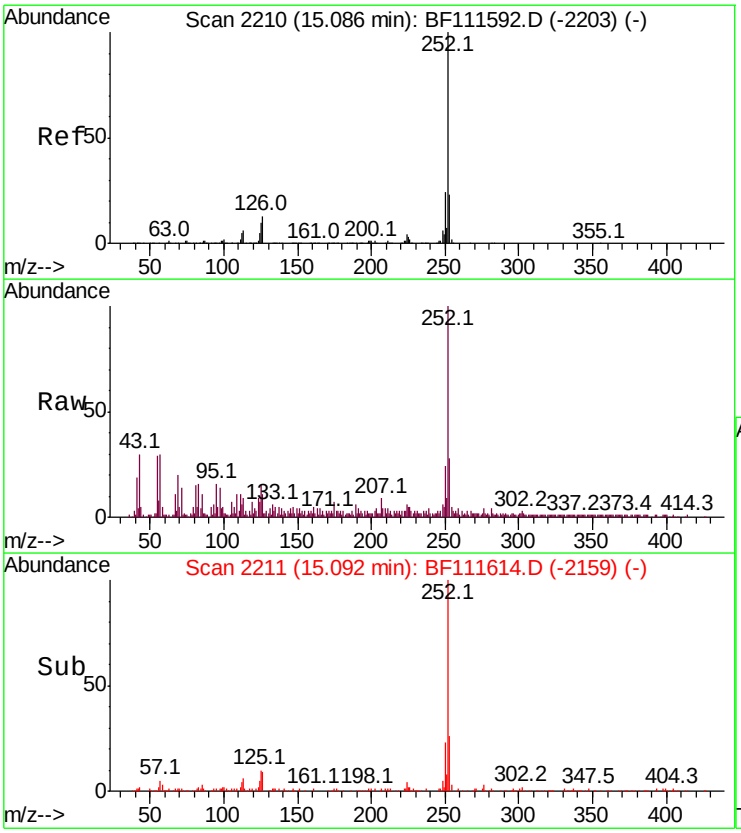
Tgt Ion:264 Resp: 334513

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.3	27.5
265	22.5	17.7	26.5

Instrument :
BNA_F
ClientSampleId :
SU-02-121818-B

Manual Integrations APPROVED
Sohil
12/20/2018 12:42:36 PM

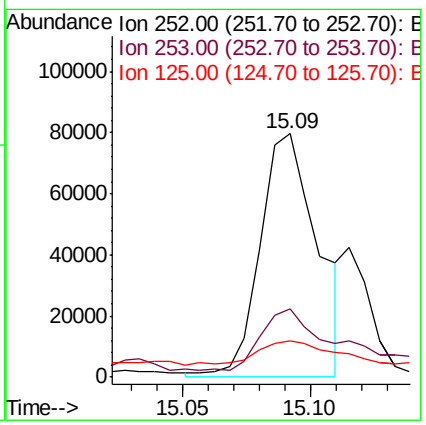


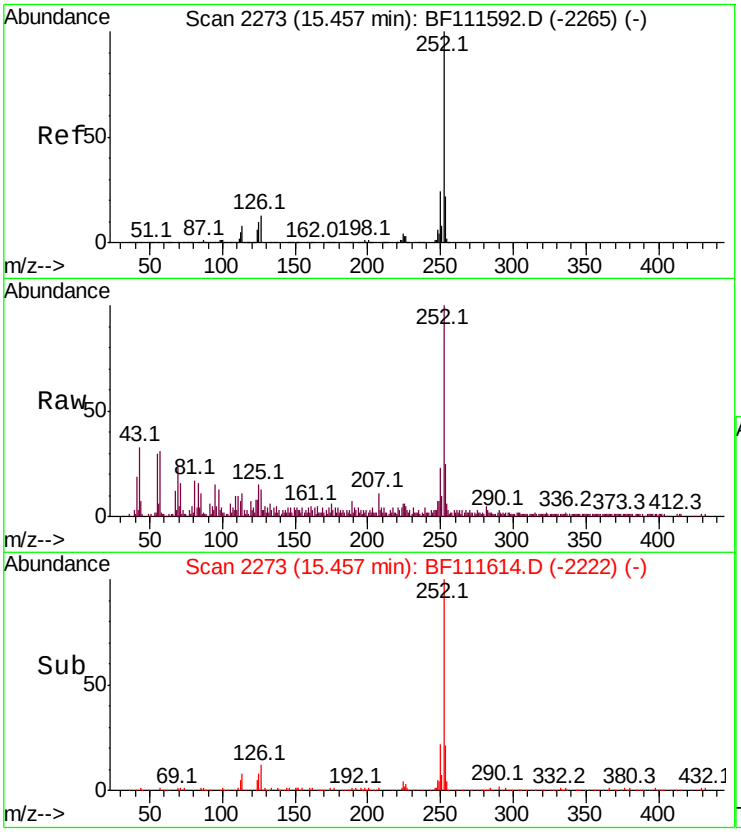


#88
Benzo(b)fluoranthene
Concen: 6.362 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF111614.D
Acq: 20 Dec 2018 2:20

Tgt Ion:252 Resp: 124379

Ion	Ratio	Lower	Upper
252	100		
253	27.9	18.2	27.2#
125	15.0	10.4	15.6





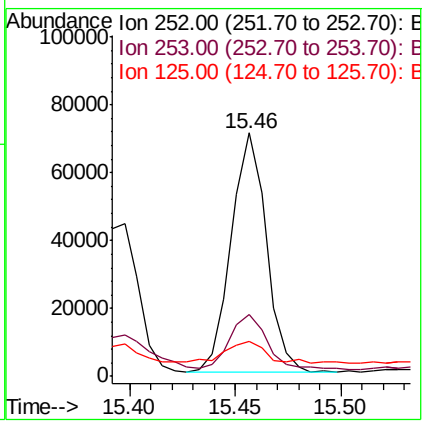
#90
Benzo(a)pyrene
Concen: 4.583 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BF111614.D
Acq: 20 Dec 2018 2:20

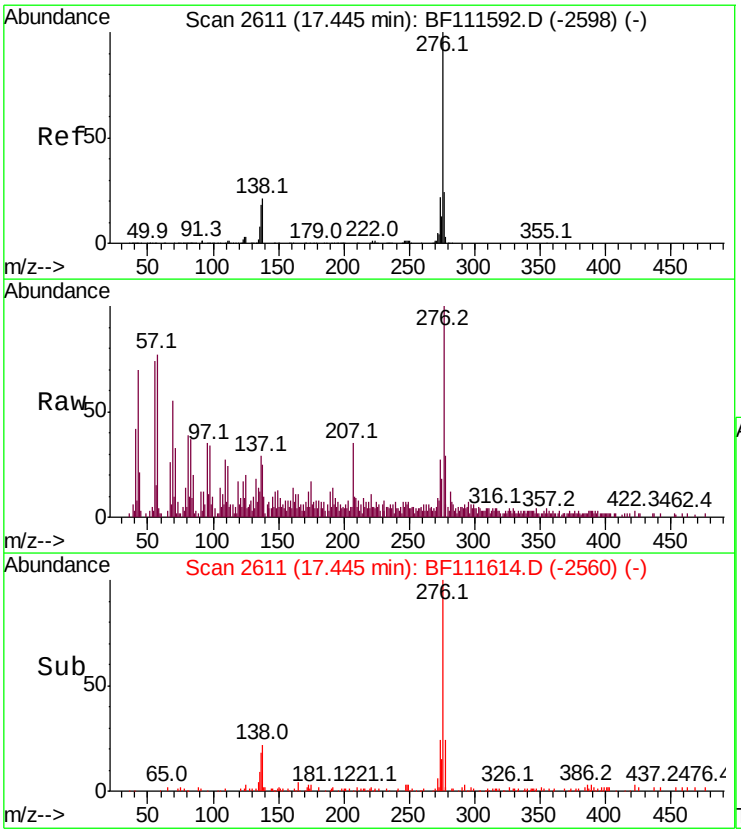
Tgt Ion:252 Resp: 81408

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.8	26.8
125	14.6	12.3	18.5

Instrument :
BNA_F
ClientSampleId :
SU-02-121818-B

Manual Integrations APPROVED
Sohil
12/20/2018 12:42:36 PM





#92
Benzo(g,h,i)perylene
Concen: 2.847 ng
RT: 17.44 min Scan# 2611
Delta R.T. -0.00 min
Lab File: BF111614.D
Acq: 20 Dec 2018 2:20

Tgt Ion:276 Resp: 43236

Ion	Ratio	Lower	Upper
276	100		
277	28.7	19.2	28.8
138	25.5	24.9	37.3