Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082119\
Data File : BF116466.D
Acq On : 21 Aug 2019 15:29
Operator : HP/JU
Sample : K4421-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUNSET-PARK-SB-7-COMP

Manual Integrations APPROVED
Jagrut
8/22/2019 1:57:58 PM

Quant Time: Aug 21 16:59:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 06:03:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	79910	20.00	ng	-0.02
21) Naphthalene-d8	8.07	136	317320	20.00	ng	-0.02
39) Acenaphthene-d10	9.83	164	169862	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	304439	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	231339	20.00	ng	-0.01
87) Perylene-d12	15.42	264	230321	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	446605	93.56	ng	-0.02
7) Phenol-d6	6.45	99	702717	116.68	ng	-0.02
23) Nitrobenzene-d5	7.36	82	405356	73.74	ng	-0.03
42) 2,4,6-Tribromophenol	10.62	330	111486	67.70	ng	-0.02
45) 2-Fluorobiphenyl	9.15	172	659431	72.72	ng	-0.02
79) Terphenyl-d14	12.90	244	739165	67.33	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.10	128	56127	3.759	ng	99
50) Dimethylphthalate	9.55	163	115104	9.952	ng	99
52) Acenaphthene	9.86	154	80059	8.962	ng	97
55) Dibenzofuran	10.04	168	65187	5.018	ng	95
58) Fluorene	10.38	166	71081	7.112	ng	98
71) Phenanthrene	11.35	178	1050458	67.495	ng	100
72) Anthracene	11.39	178	268320	17.035	ng	99
73) Carbazole	11.56	167	88250	6.176	ng	98
75) Fluoranthene	12.54	202	1333715	81.856	ng	98
78) Pyrene	12.77	202	1416877	81.249	ng	98
81) Benzo(a)anthracene	13.96	228	744985	50.383	ng	99
83) Chrysene	13.99	228	612761	42.685	ng	99
86) Indeno(1,2,3-cd)pyrene	16.89	276	232968	19.322	ng	96
88) Benzo(b)fluoranthene	15.00	252	682815m	51.272	ng	
89) Benzo(k)fluoranthene	15.03	252	206021m	15.883	ng	
90) Benzo(a)pyrene	15.37	252	502889	42.243	ng	99
91) Dibenzo(a,h)anthracene	16.88	278	56593m	5.492	ng	
92) Benzo(g,h,i)perylene	17.33	276	225225	22.255	ng	96

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

Quantitation Report (QT Reviewed)

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BNA_F
ClientSampleId :
SUNSET-PARK-SB-7-COMP

Manual Integrations APPROVED
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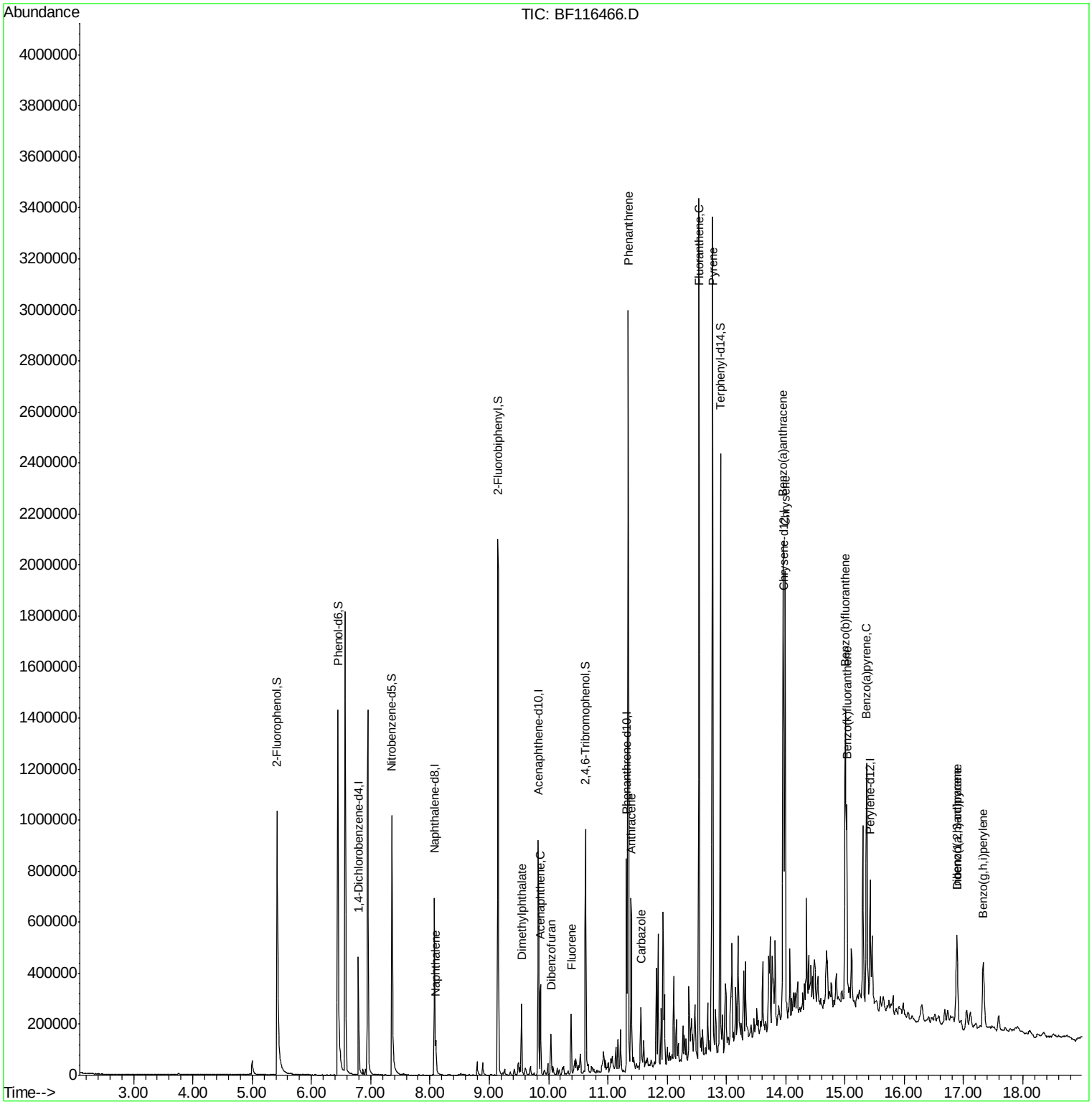
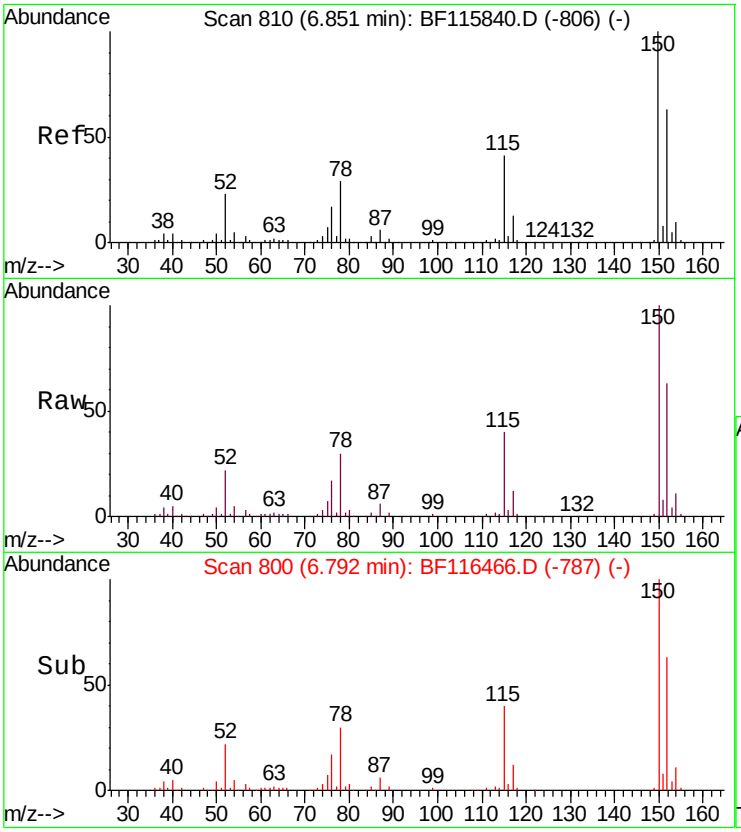
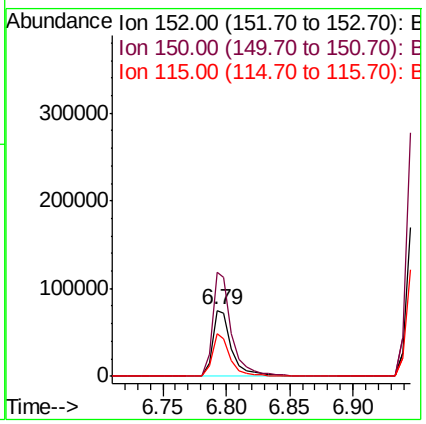




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.02 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:152 Resp: 79910

Ion	Ratio	Lower	Upper
152	100		
150	158.4	126.2	189.2
115	63.9	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
SUNSET-PARK-SB-7-COMP

Manual Integrations APPROVED
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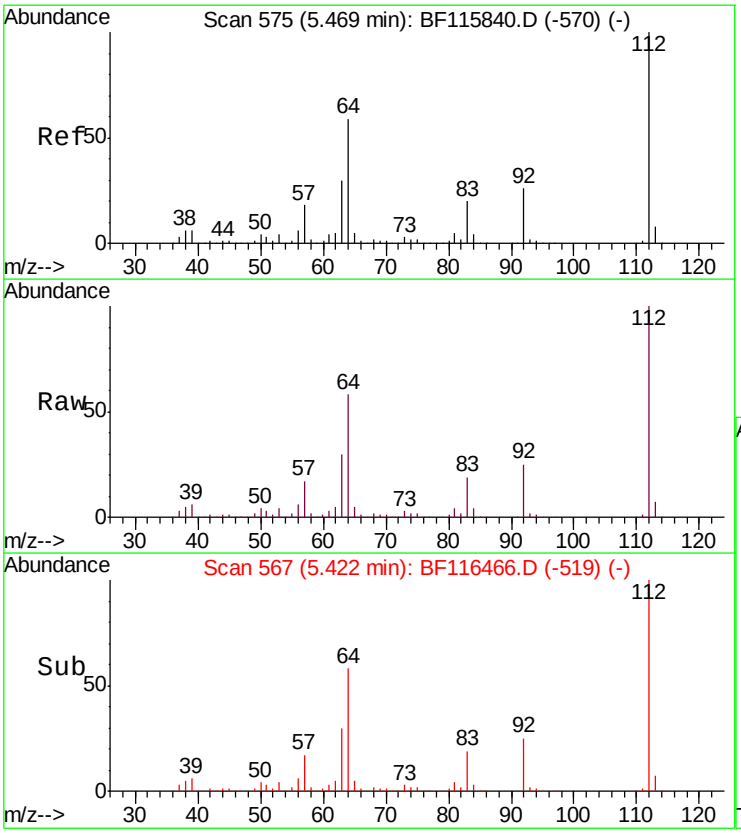
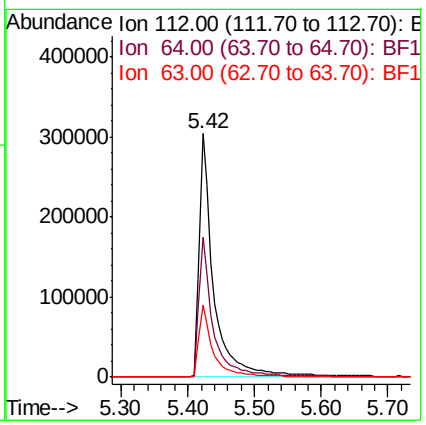
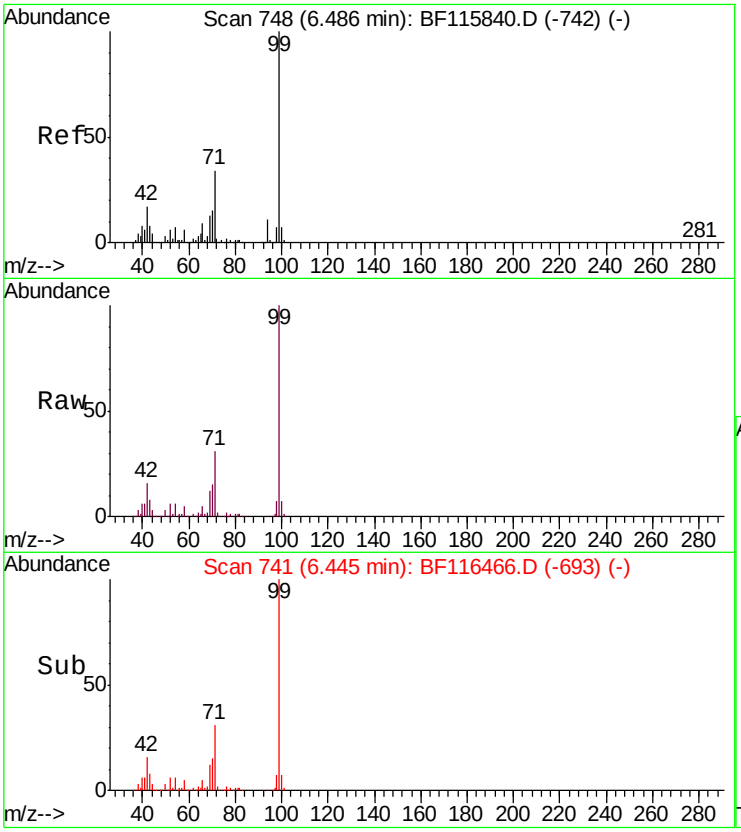


#5
2-Fluorophenol
Concen: 93.561 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.02 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:112 Resp: 446605

Ion	Ratio	Lower	Upper
112	100		
64	57.7	45.4	68.2
63	29.8	23.7	35.5

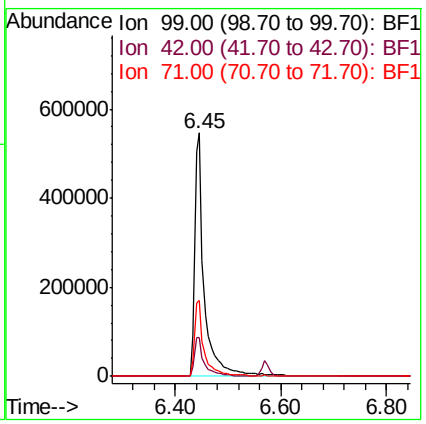




#7
Phenol-d6
Concen: 116.682 ng
RT: 6.45 min Scan# 741
Delta R.T. -0.02 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion: 99 Resp: 702717

Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.8	20.8
71	31.1	27.3	40.9



Instrument :
BNA_F
ClientSampleId :
SUNSET-PARK-SB-7-COMP

Manual Integrations APPROVED
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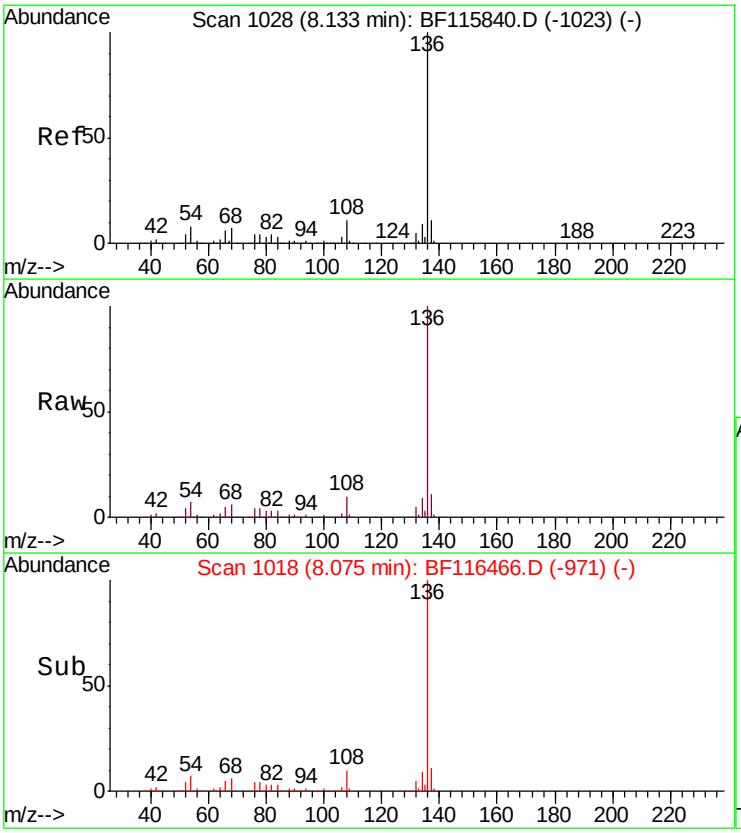
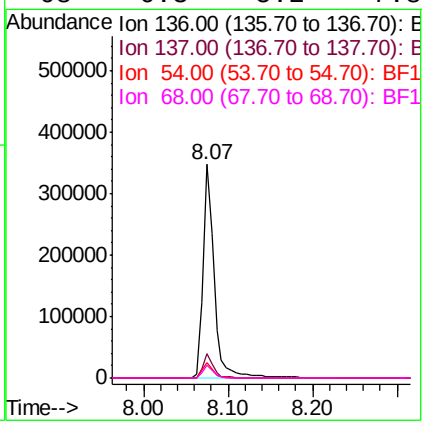
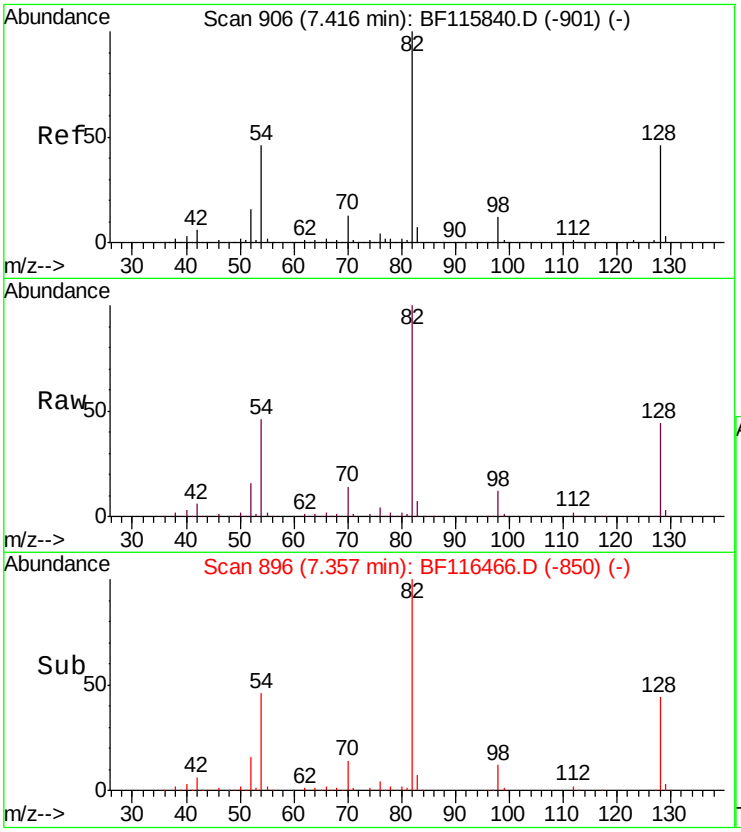


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.02 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:136 Resp: 317320

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	7.3	5.8	8.6
68	6.3	5.2	7.8

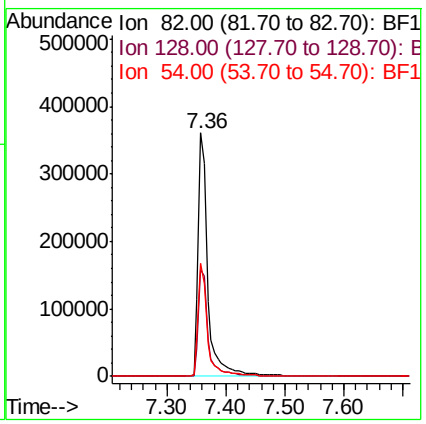




#23
Nitrobenzene-d5
Concen: 73.738 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.03 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion: 82 Resp: 405356

Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.5	54.7
54	46.3	36.0	54.0



Instrument :
BNA_F
ClientSampleId :
SUNSET-PARK-SB-7-COMP

Manual Integrations APPROVED
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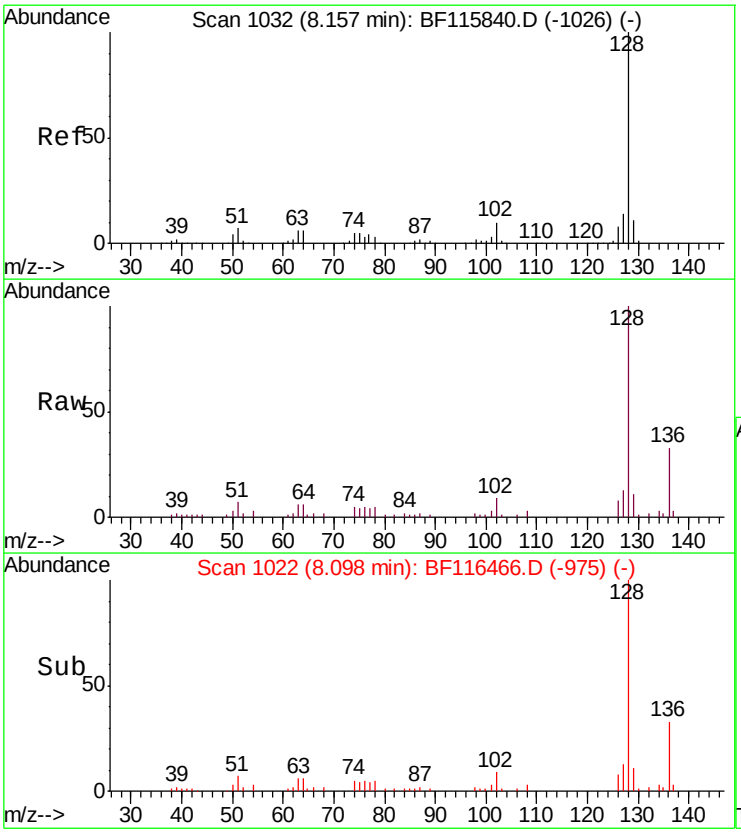
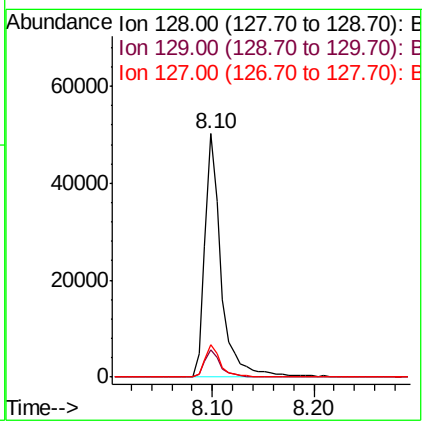
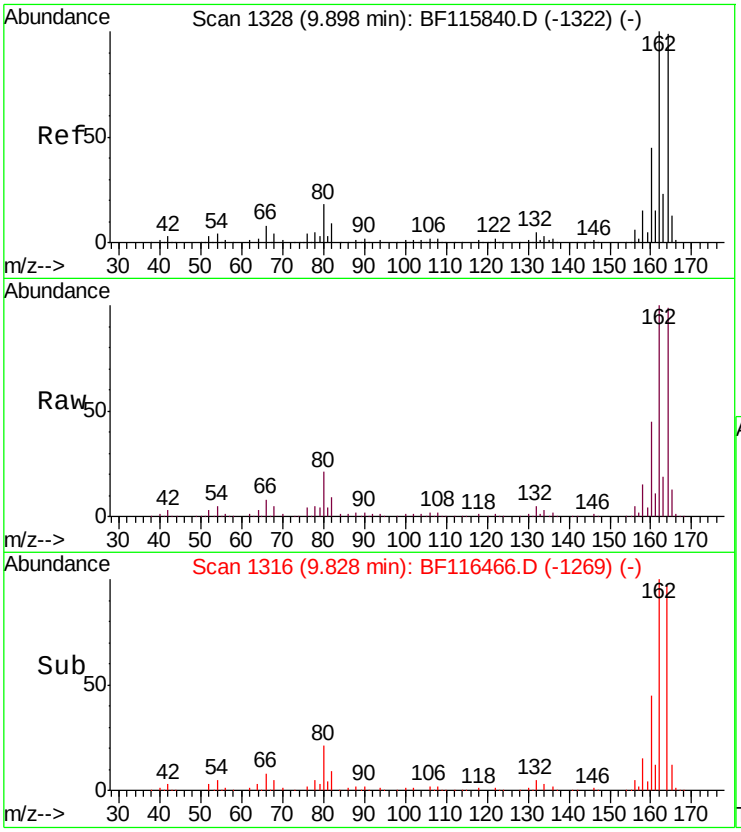


#31
Naphthalene
Concen: 3.759 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.02 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:128 Resp: 56127

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.3	13.9
127	13.4	11.4	17.0

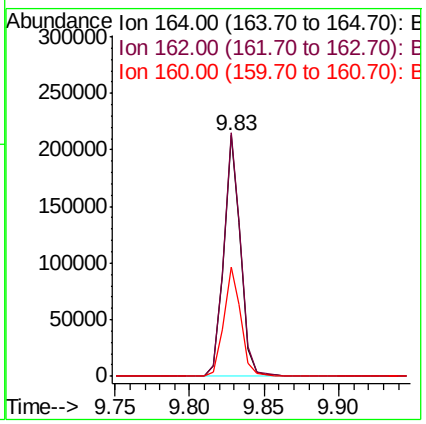




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:164 Resp: 169862

Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.6	124.0
160	45.5	37.6	56.4



Instrument :
BNA_F
ClientSampleId :
SUNSET-PARK-SB-7-COMP

Manual Integrations APPROVED
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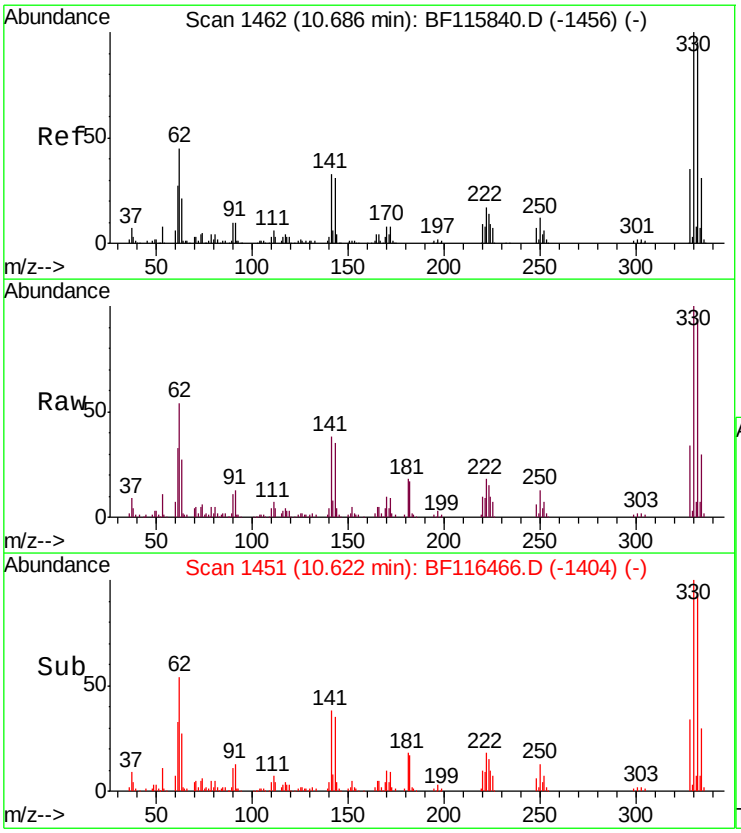
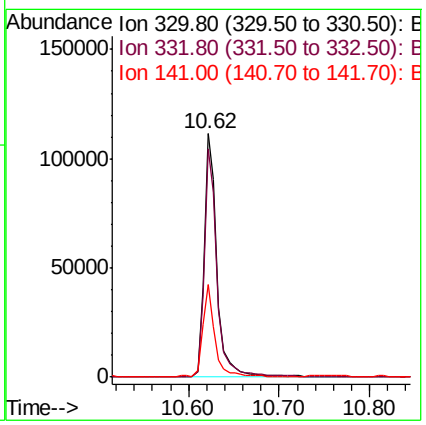
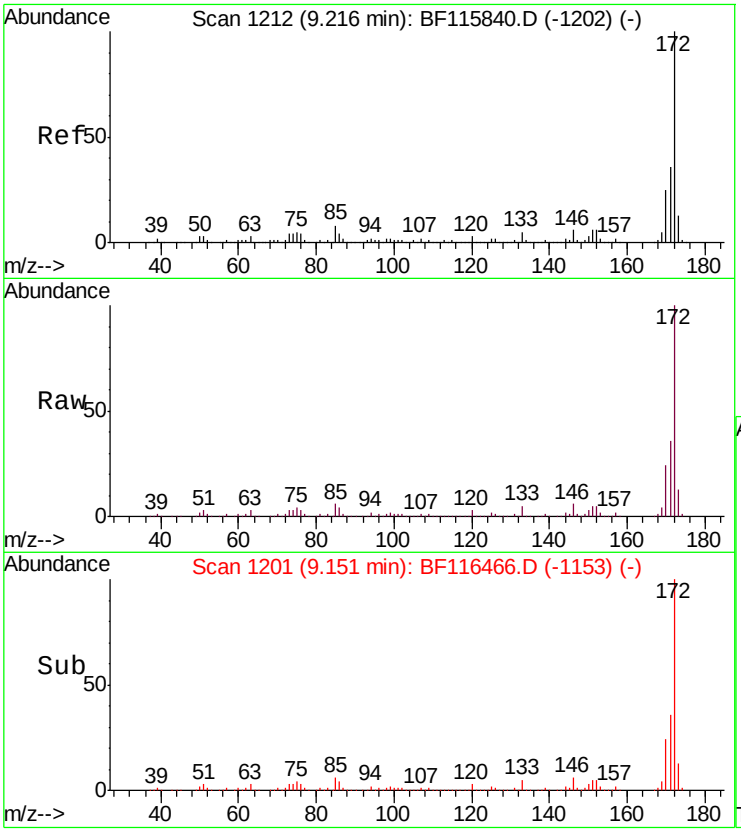


#42
2,4,6-Tribromophenol
Concen: 67.696 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.02 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:330 Resp: 111486

Ion	Ratio	Lower	Upper
330	100		
332	94.4	76.8	115.2
141	36.6	26.3	39.5

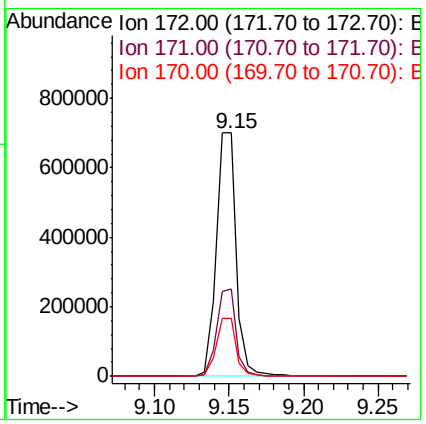




#45
2-Fluorobiphenyl
Concen: 72.716 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.02 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:172 Resp: 659431

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	24.1	20.1	30.1



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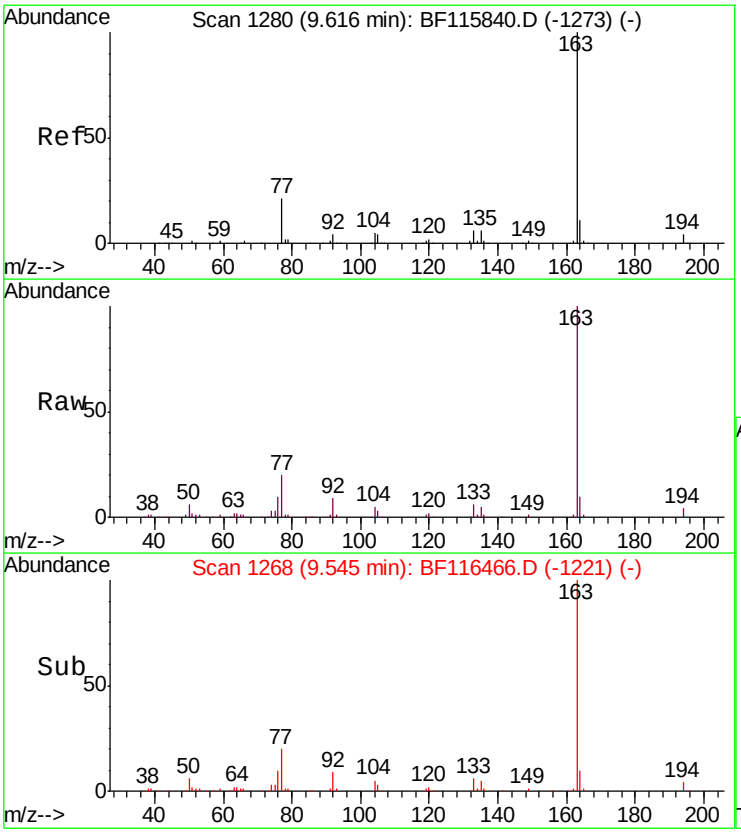
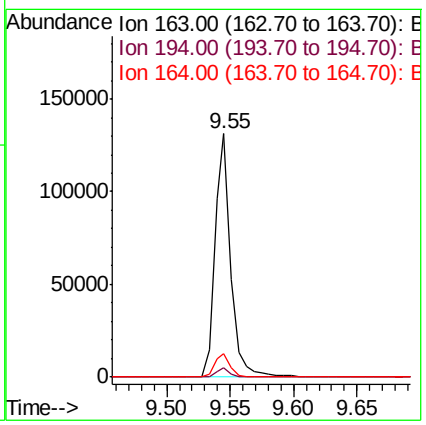
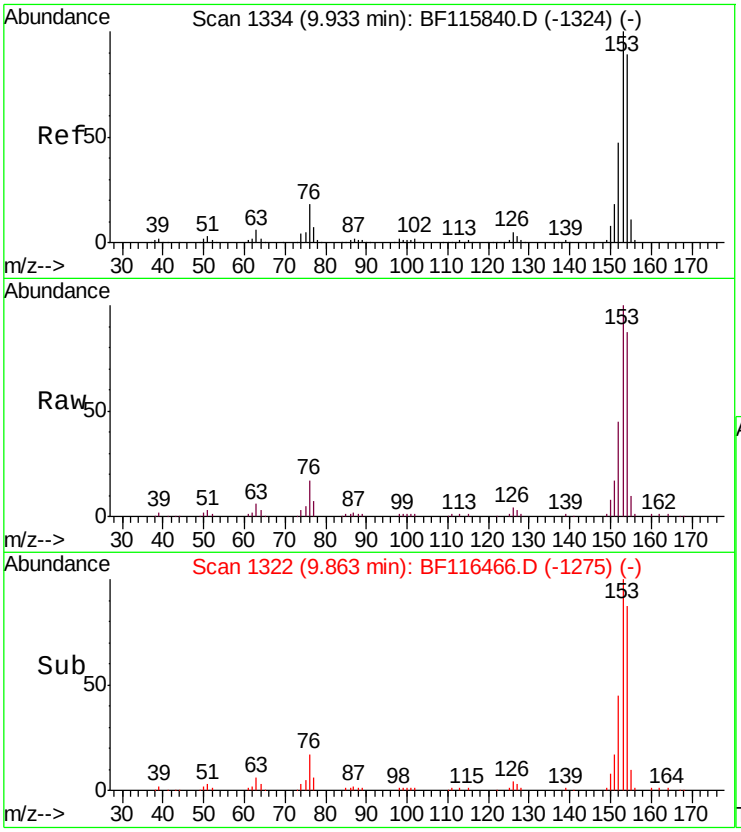


#50
Dimethylphthalate
Concen: 9.952 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:163 Resp: 115104

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	9.9	8.4	12.6

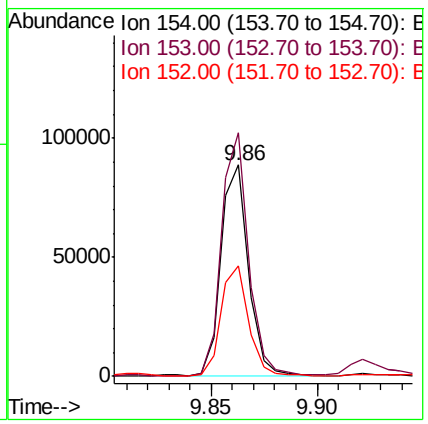




#52
Acenaphthene
Concen: 8.962 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.02 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:154 Resp: 80059

Ion	Ratio	Lower	Upper
154	100		
153	115.2	89.4	134.0
152	52.1	42.3	63.5



Instrument :
BNA_F
ClientSampleId :
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Manual Integrations APPROVED
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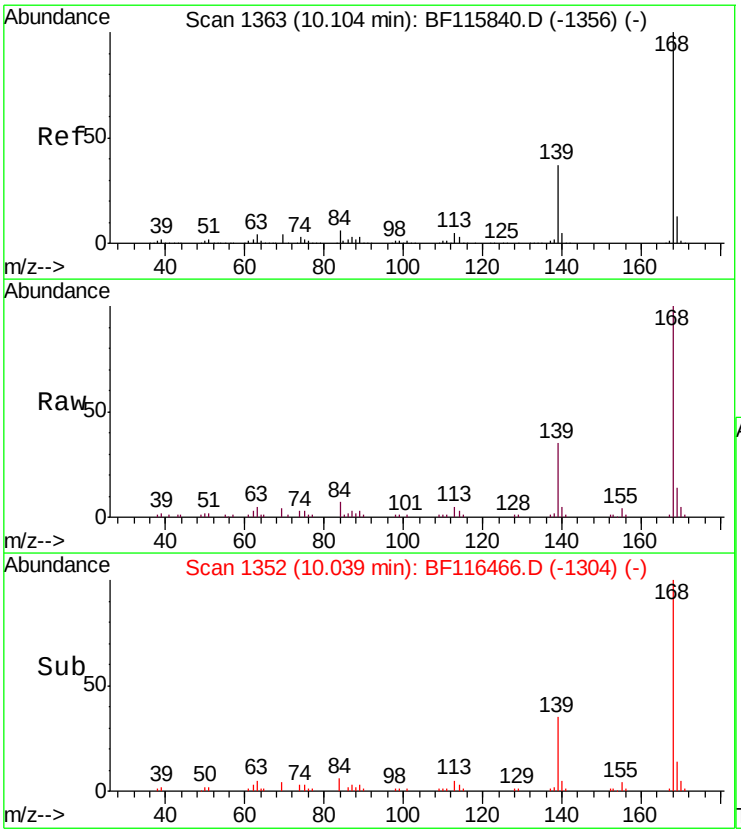
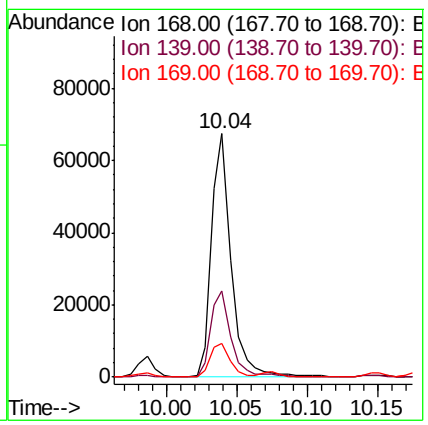
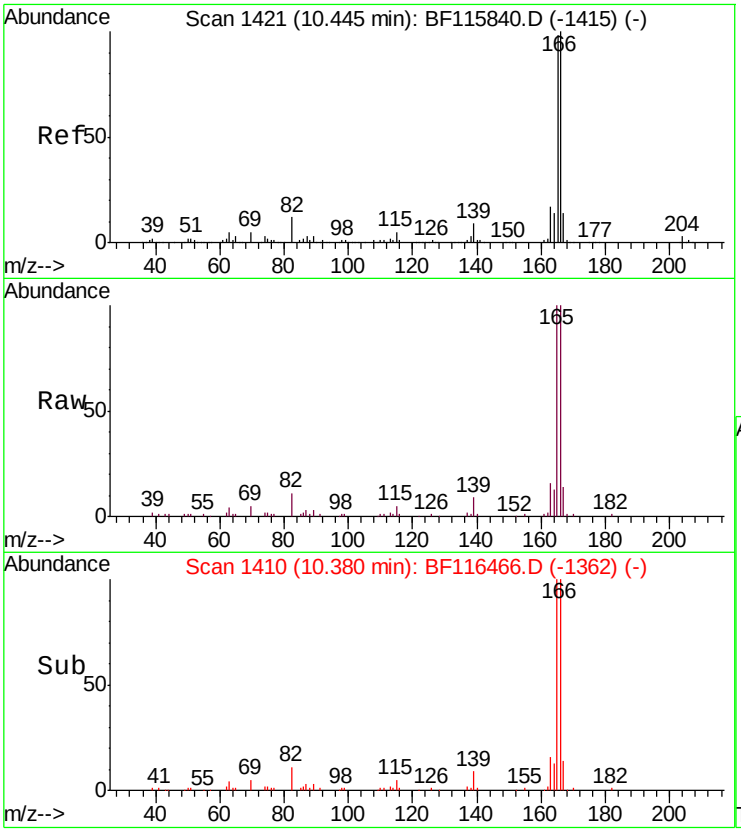


#55
Dibenzofuran
Concen: 5.018 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.02 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:168 Resp: 65187

Ion	Ratio	Lower	Upper
168	100		
139	35.2	31.4	47.2
169	14.1	10.9	16.3

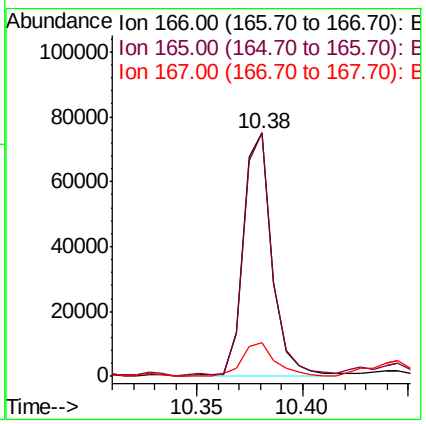




#58
Fluorene
Concen: 7.112 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.02 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:166 Resp: 71081

Ion	Ratio	Lower	Upper
166	100		
165	100.0	78.4	117.6
167	13.7	11.0	16.4



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Manual Integrations APPROVED
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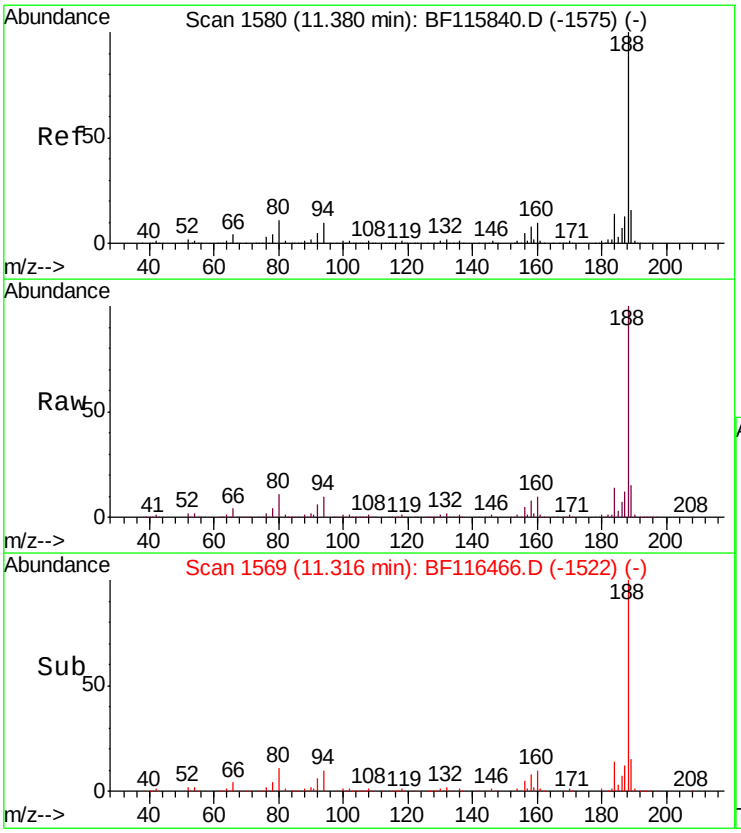
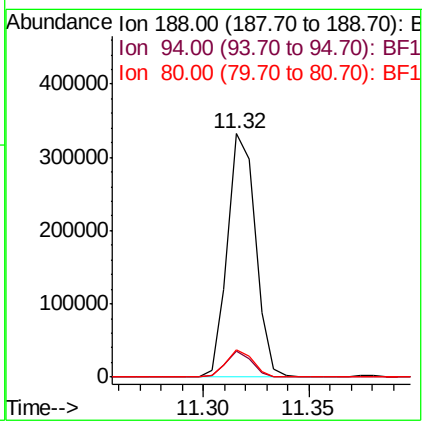
8/22/2019 1:57:58 PM

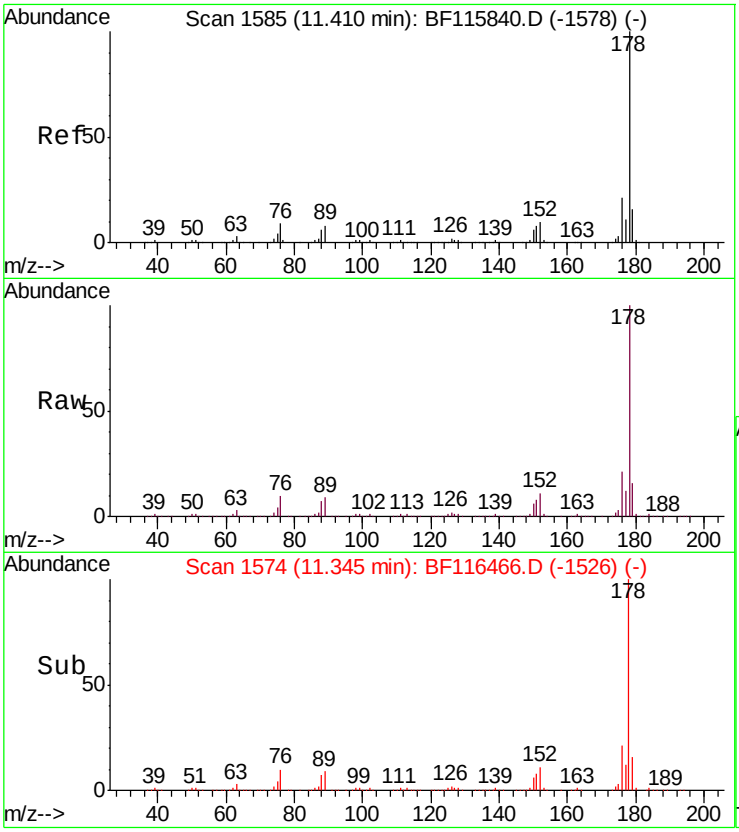


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:188 Resp: 304439

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.1	12.1
80	11.4	8.7	13.1

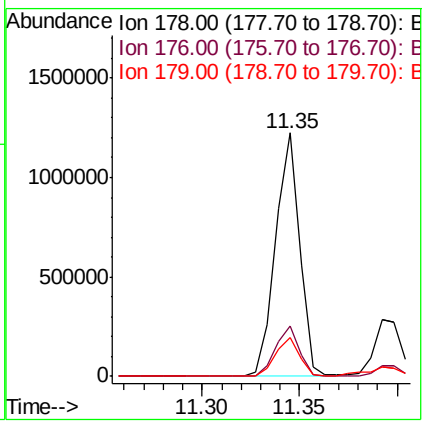




#71
Phenanthrene
Concen: 67.495 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

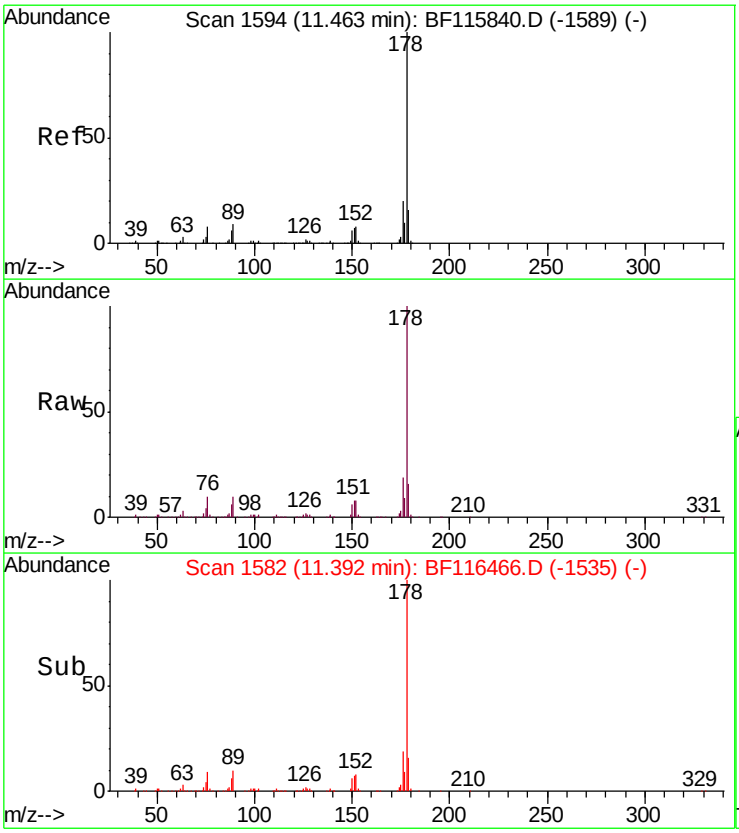
Tgt Ion:178 Resp: 1050458

Ion	Ratio	Lower	Upper
178	100		
176	20.5	16.6	24.8
179	15.7	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SUNSET-PARK-SB-7-COMP

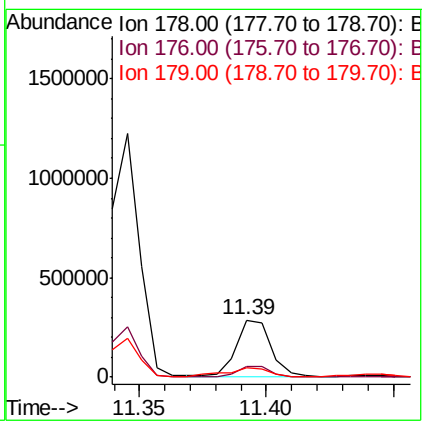
Manual Integrations APPROVED
Jagrut
8/22/2019 1:57:58 PM

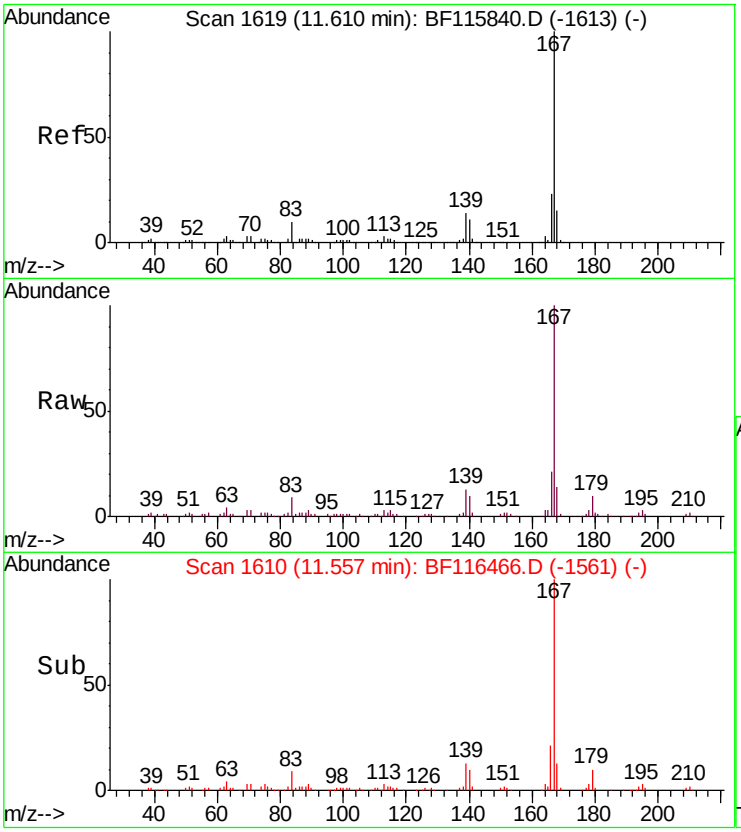


#72
Anthracene
Concen: 17.035 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.02 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:178 Resp: 268320

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.7	23.5
179	16.1	13.0	19.6

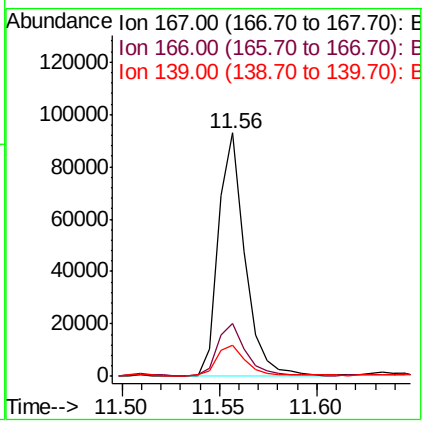




#73
Carbazole
Concen: 6.176 ng
RT: 11.56 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:167 Resp: 88250

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.8	26.6
139	12.9	11.4	17.0



Instrument :
BNA_F
ClientSampleId :
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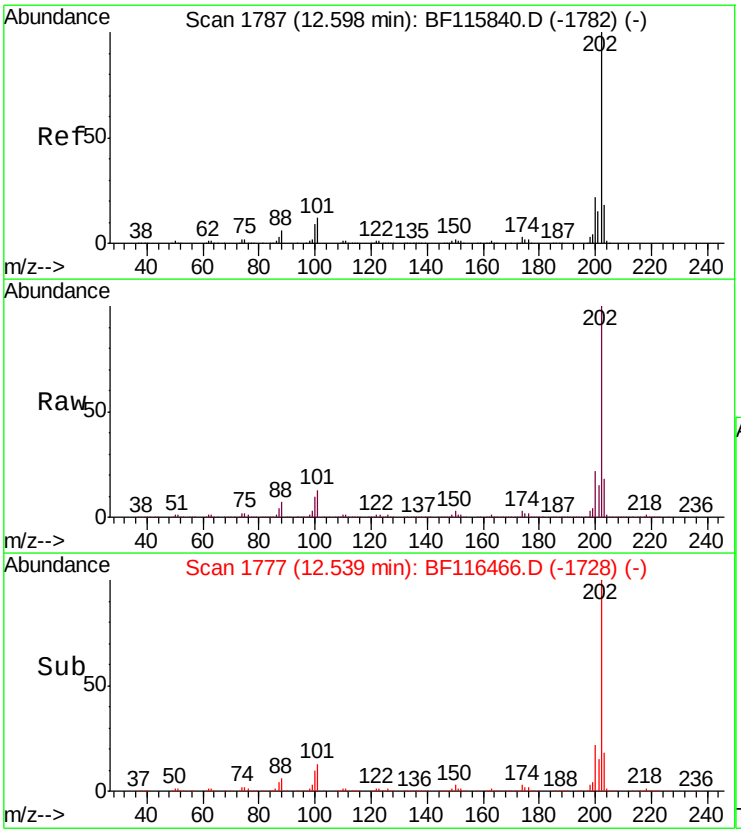
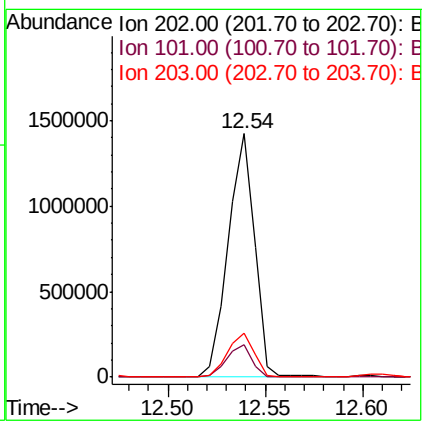
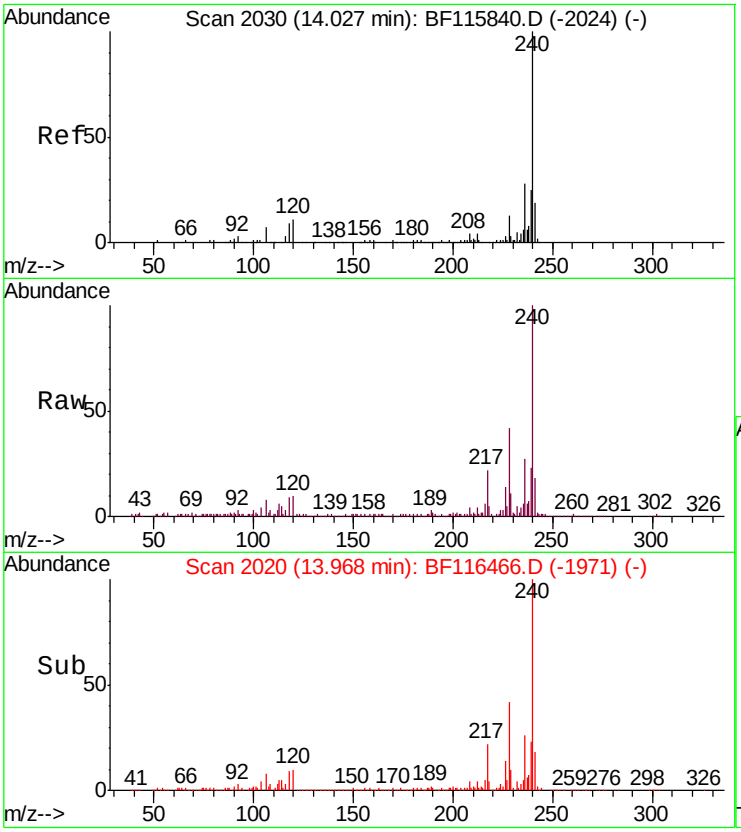


#75
Fluoranthene
Concen: 81.856 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:202 Resp: 1333715

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	31.2
203	18.1	0.0	37.8

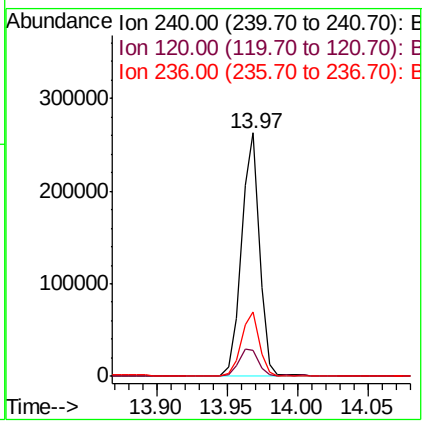




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:240 Resp: 231339

Ion	Ratio	Lower	Upper
240	100		
120	10.4	10.7	16.1#
236	26.5	22.2	33.2



Instrument :
BNA_F
ClientSampleId :
SUNSET-PARK-SB-7-COMP

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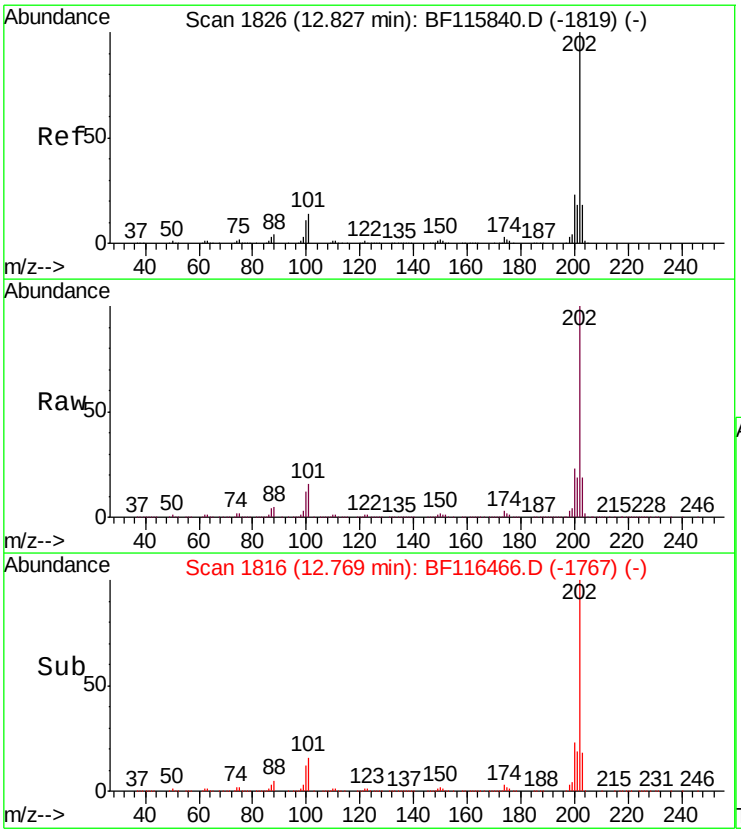
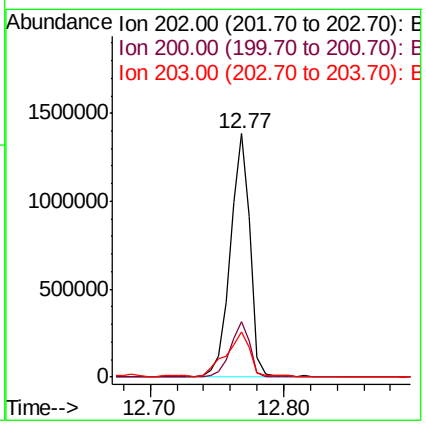
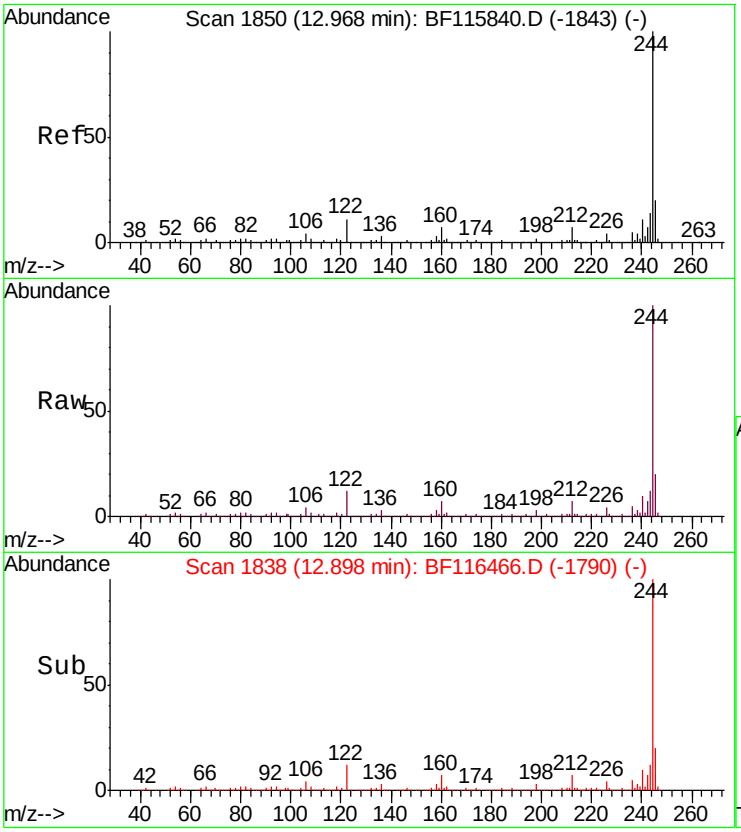


#78
Pyrene
Concen: 81.249 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:202 Resp: 1416877

Ion	Ratio	Lower	Upper
202	100		
200	23.0	18.0	27.0
203	18.6	14.1	21.1

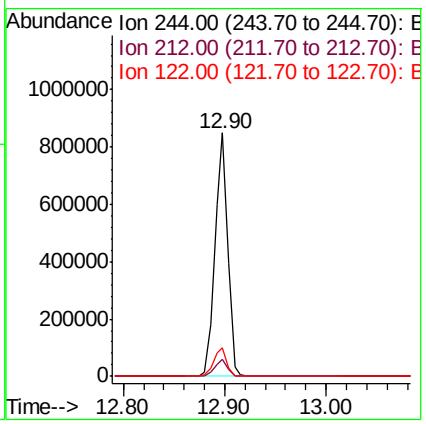




#79
Terphenyl-d14
Concen: 67.327 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.02 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:244 Resp: 739165

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	11.6	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
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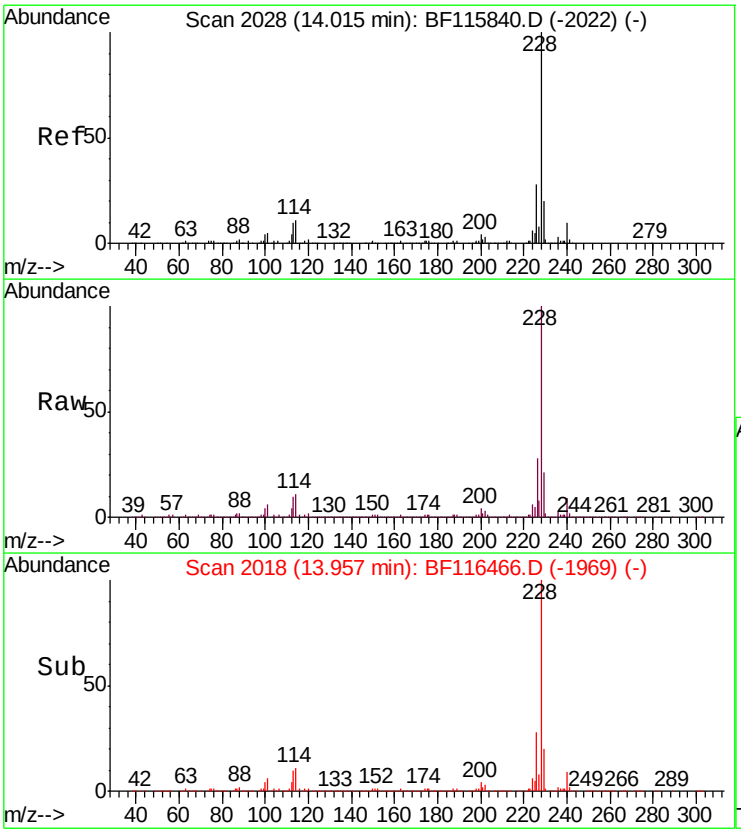
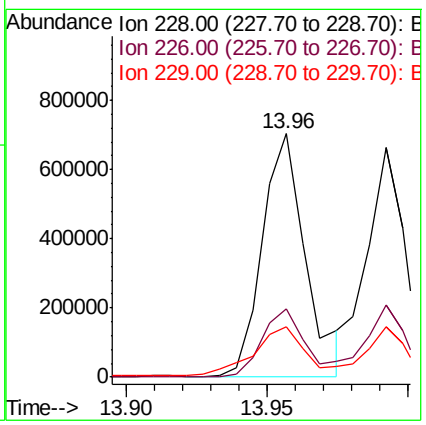
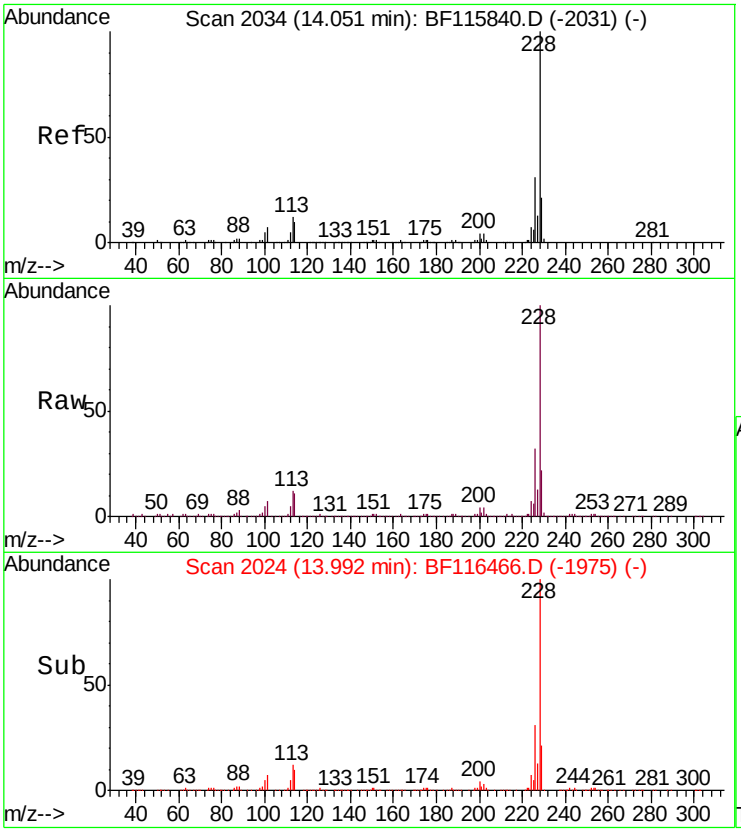


#81
Benzo(a)anthracene
Concen: 50.383 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:228 Resp: 744985

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.7	34.1
229	20.8	16.2	24.4

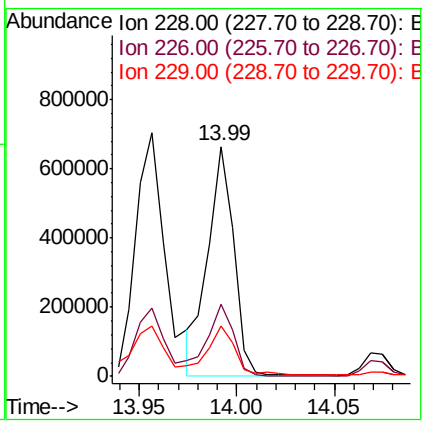




#83
Chrysene
Concen: 42.685 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:228 Resp: 612761

Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.5	38.3
229	22.0	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
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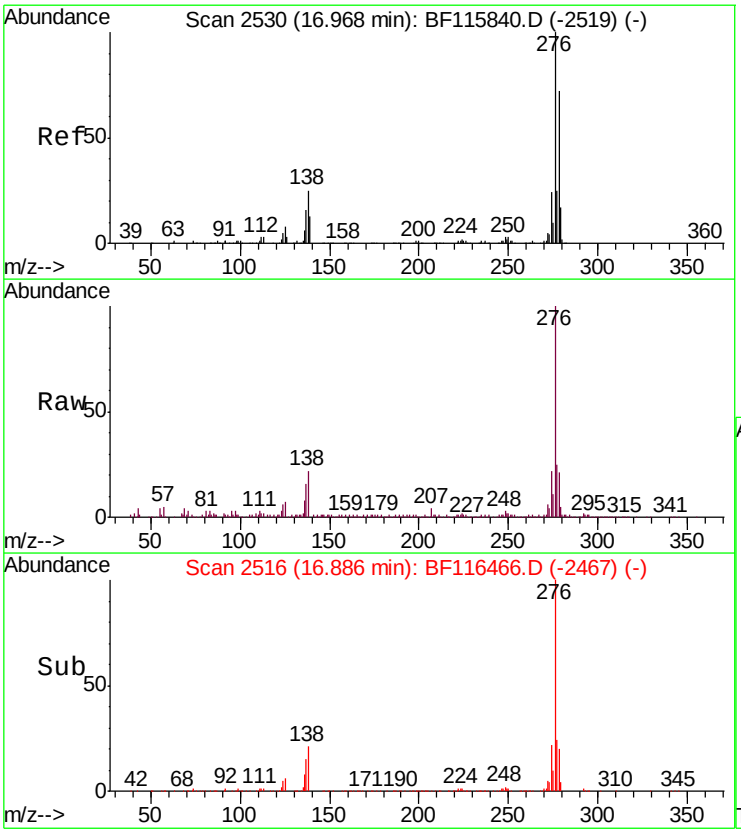
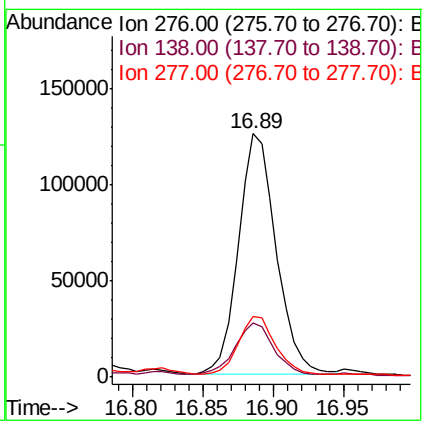
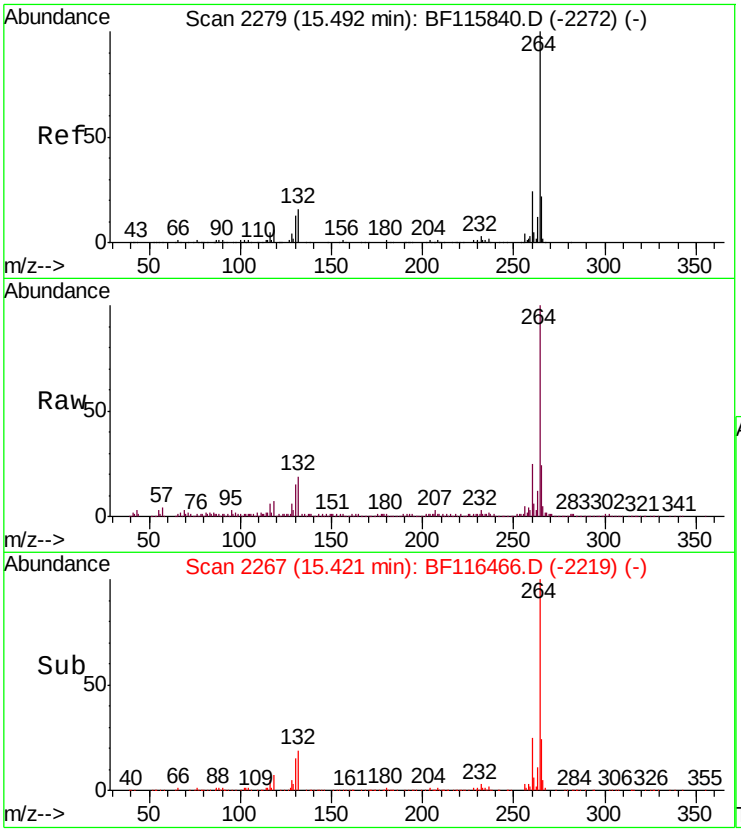


#86
Indeno(1,2,3-cd)pyrene
Concen: 19.322 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:276 Resp: 232968

Ion	Ratio	Lower	Upper
276	100		
138	23.0	20.4	30.6
277	23.4	20.0	30.0

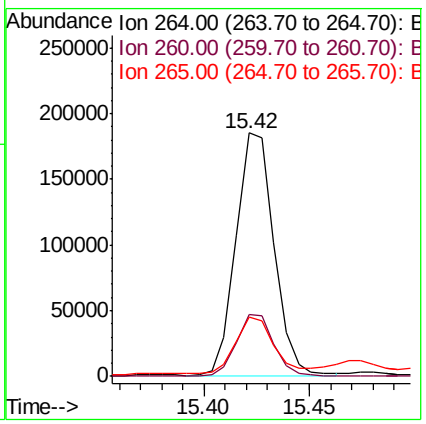




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:264 Resp: 230321

Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.7	29.5
265	24.4	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
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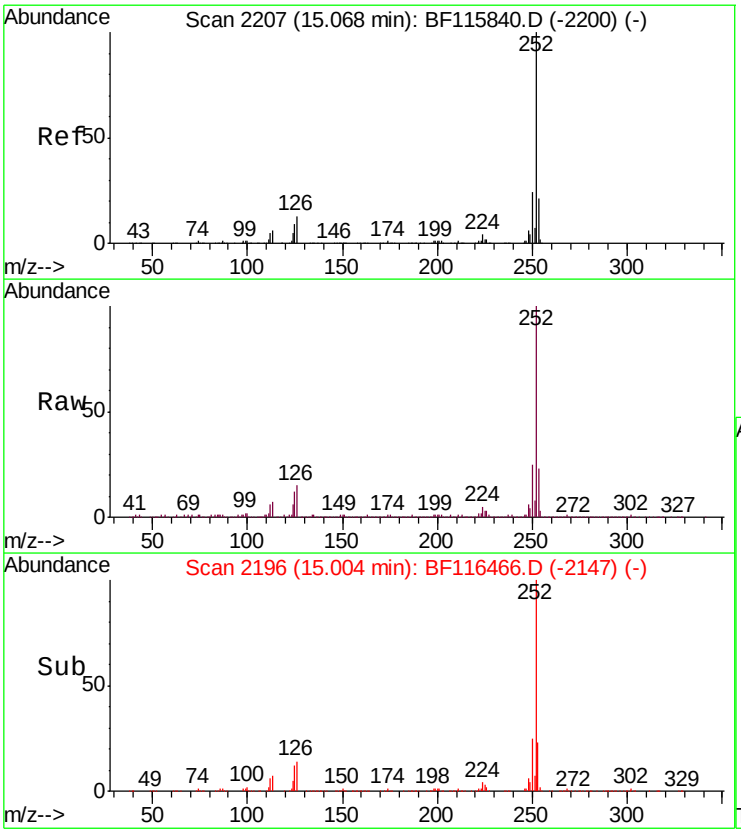
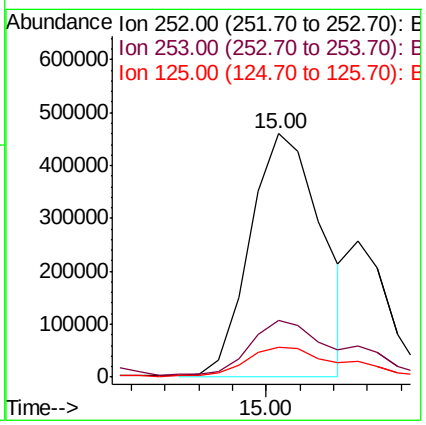
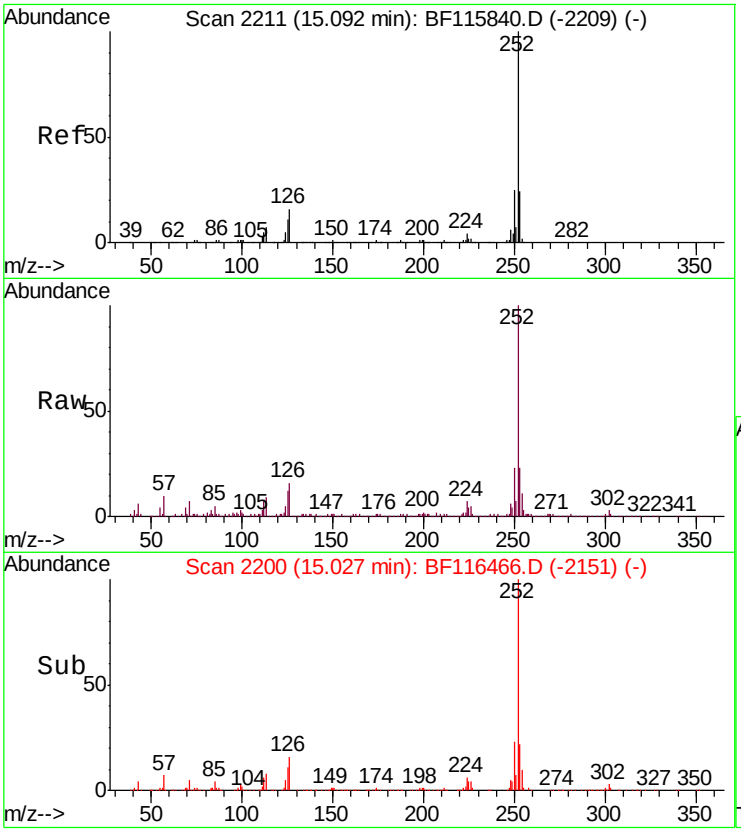


#88
Benzo(b)fluoranthene
Concen: 51.272 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:252 Resp: 682815

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	12.2	8.4	12.6

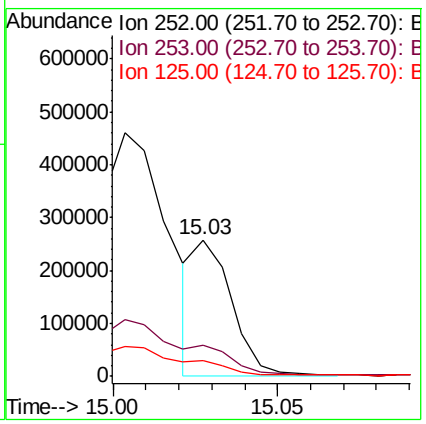




#89
Benzo(k)fluoranthene
Concen: 15.883 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:252 Resp: 206021

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	11.7	7.7	11.5#



Instrument :
BNA_F
ClientSampleId :
SUNSET-PARK-SB-7-COMP

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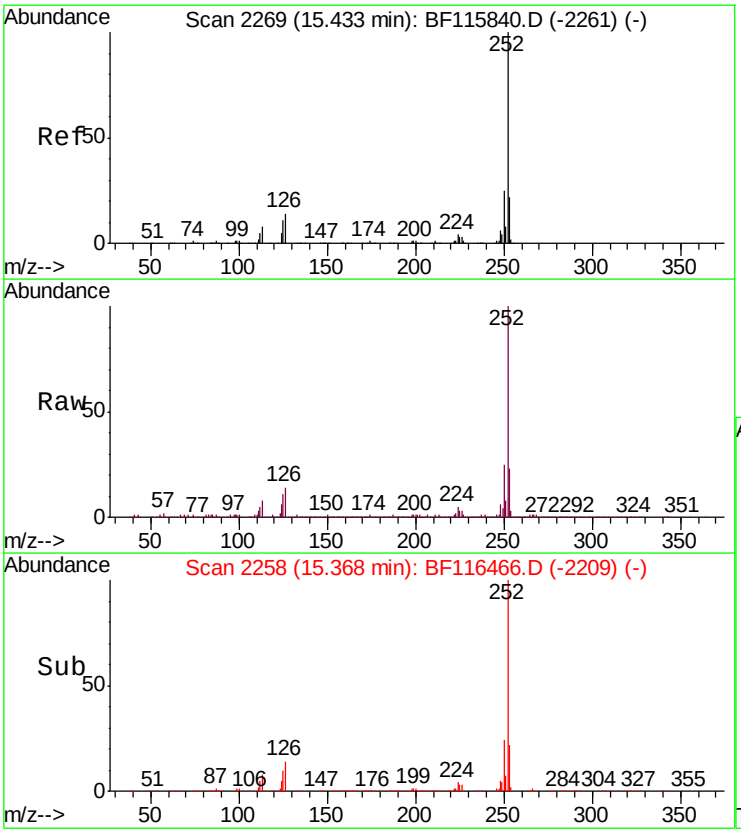
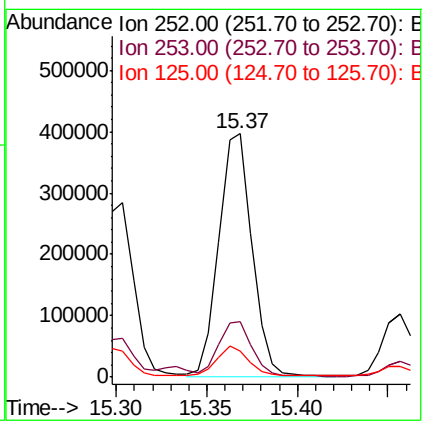
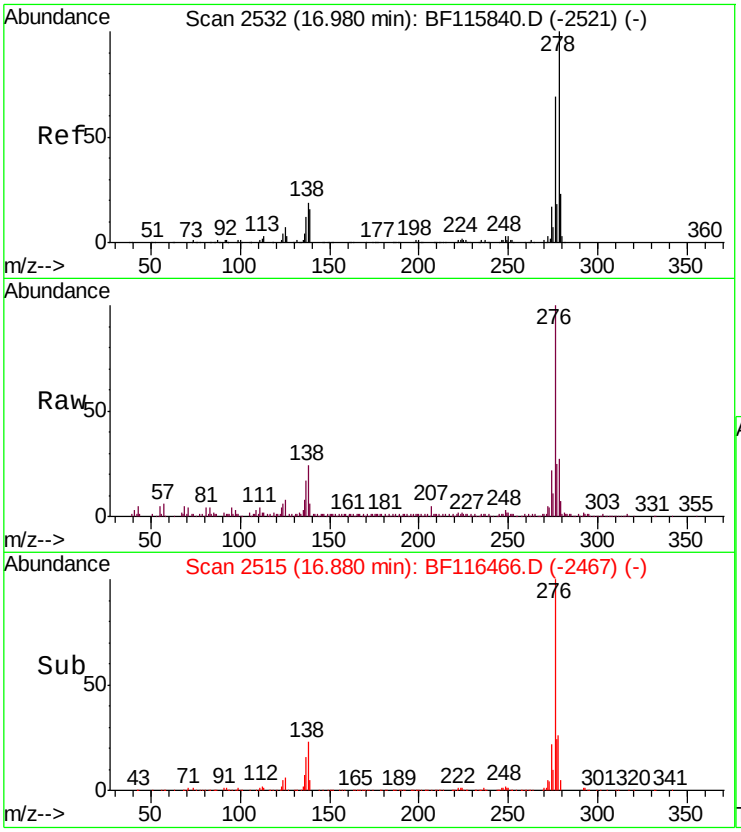


#90
Benzo(a)pyrene
Concen: 42.243 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.01 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:252 Resp: 502889

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	10.5	8.9	13.3

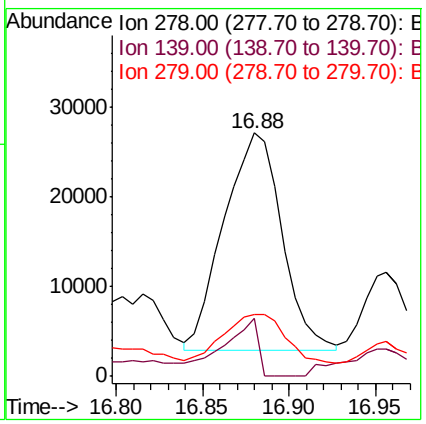




#91
Dibenzo(a,h)anthracene
Concen: 5.492 ng m
RT: 16.88 min Scan# 2515
Delta R.T. -0.02 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:278 Resp: 56593

Ion	Ratio	Lower	Upper
278	100		
139	24.0	12.8	19.2#
279	25.5	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SUNSET-PARK-SB-7-COMP

Manual Integrations APPROVED
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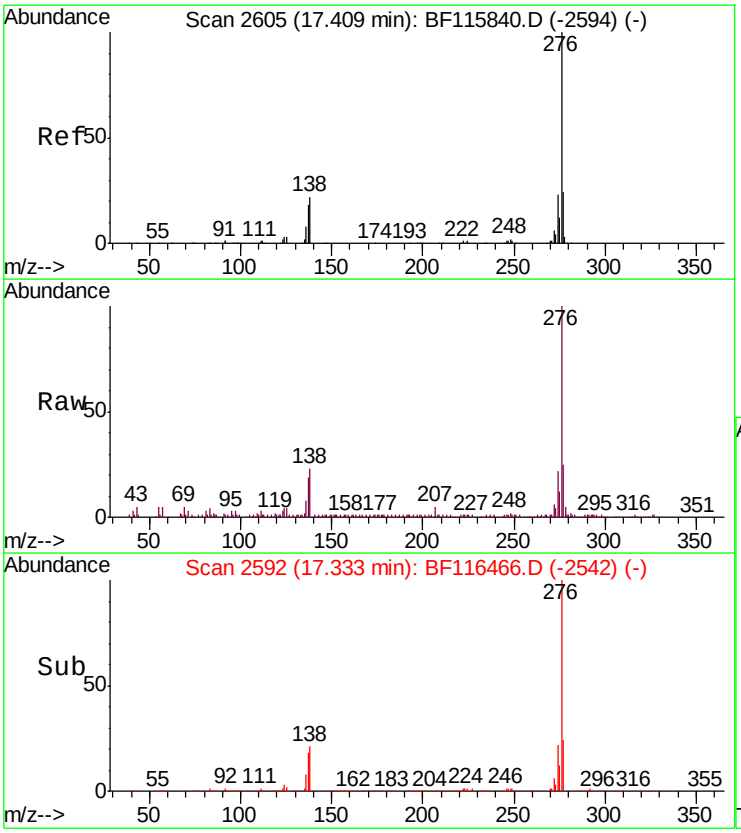

#92
Benzo(g,h,i)perylene
Concen: 22.255 ng
RT: 17.33 min Scan# 2592
Delta R.T. -0.01 min
Lab File: BF116466.D
Acq: 21 Aug 2019 15:29

Tgt Ion:276 Resp: 225225

Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.4	27.6
138	23.1	17.0	25.6