Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
Data File : BF116498.D
Acq On : 24 Aug 2019 00:53
Operator : HP/JU
Sample : K4385-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T8-A1-A4-(0-2)

Manual Integrations APPROVED
Jagrut
8/28/2019 8:09:21 AM

Quant Time: Aug 24 04:48:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 23 13:38:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	106839	20.00	ng		0.00
21) Naphthalene-d8	8.16	136	390334	20.00	ng		0.00
39) Acenaphthene-d10	9.92	164	176493	20.00	ng		0.00
64) Phenanthrene-d10	11.40	188	258038	20.00	ng		0.00
76) Chrysene-d12	14.04	240	189488	20.00	ng		0.00
87) Perylene-d12	15.52	264	200780	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.51	112	534838	73.15	ng		0.01
7) Phenol-d6	6.51	99	696267	77.66	ng		0.00
23) Nitrobenzene-d5	7.44	82	398897	55.91	ng		0.00
42) 2,4,6-Tribromophenol	10.70	330	110119	72.66	ng		0.00
45) 2-Fluorobiphenyl	9.24	172	642960	58.67	ng		0.00
79) Terphenyl-d14	12.99	244	489607	48.26	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.19	128	40675	2.154	ng		98
50) Dimethylphthalate	9.63	163	33901	2.753	ng	#	99
58) Fluorene	10.46	166	26421	2.375	ng		94
71) Phenanthrene	11.43	178	604756	43.022	ng		100
72) Anthracene	11.47	178	100311	7.102	ng		99
73) Carbazole	11.62	167	45440	3.584	ng		95
75) Fluoranthene	12.62	202	656898	45.201	ng		98
78) Pyrene	12.84	202	553557	36.530	ng		98
81) Benzo(a)anthracene	14.03	228	277743	22.631	ng		98
83) Chrysene	14.06	228	234273	18.834	ng		97
86) Indeno(1,2,3-cd)pyrene	16.99	276	80778	7.581	ng		97
88) Benzo(b)fluoranthene	15.09	252	254592m	20.526	ng		
89) Benzo(k)fluoranthene	15.11	252	69066m	6.146	ng		
90) Benzo(a)pyrene	15.45	252	152795	13.939	ng	#	85
91) Dibenzo(a,h)anthracene	17.00	278	24975	2.773	ng	#	70
92) Benzo(g,h,i)perylene	17.44	276	72720	8.468	ng		92

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

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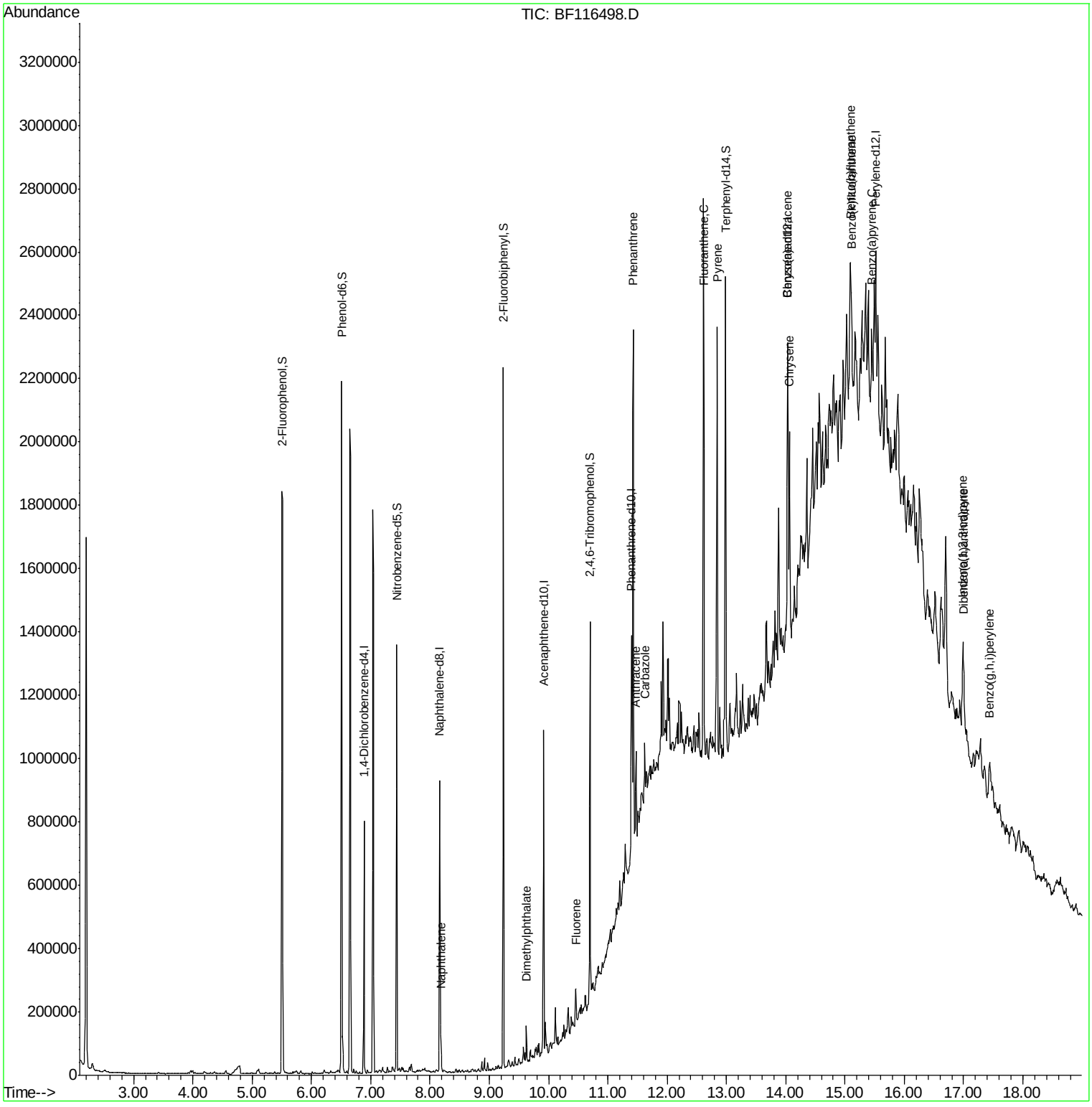
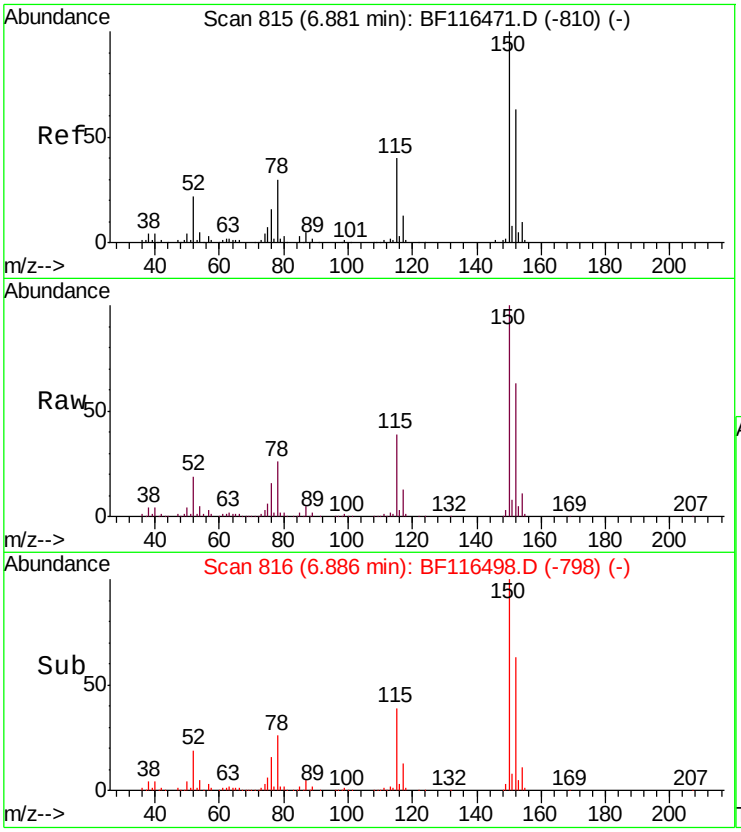
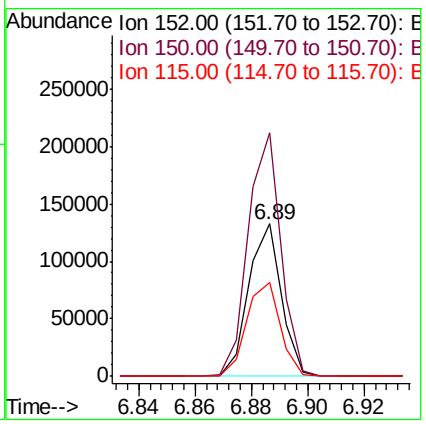




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:152 Resp: 106839

Ion	Ratio	Lower	Upper
152	100		
150	159.8	126.7	190.1
115	61.9	50.9	76.3



Instrument :
BNA_F
ClientSampleId :
T8-A1-A4-(0-2)

Manual Integrations APPROVED
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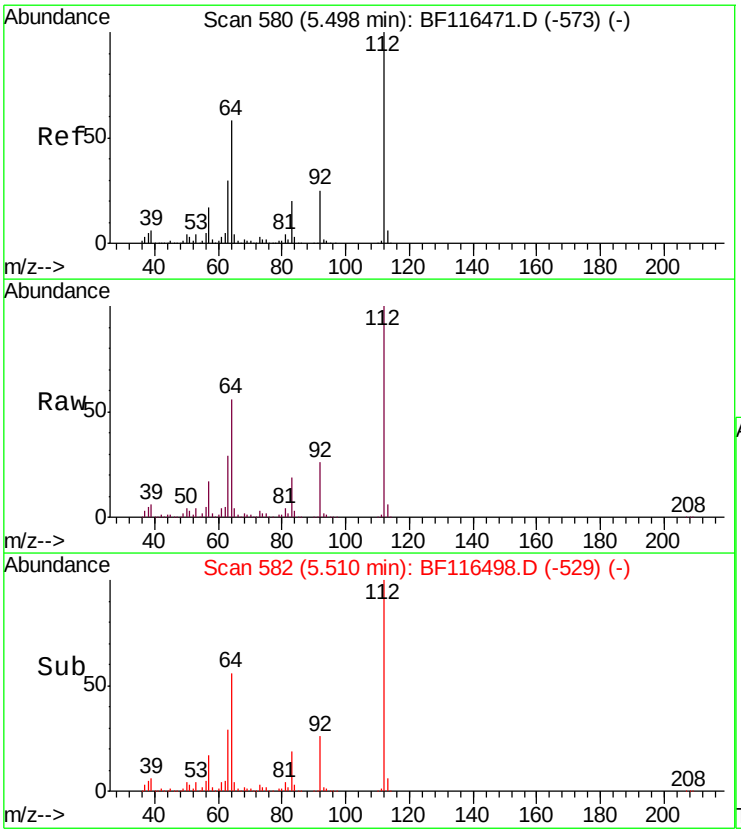
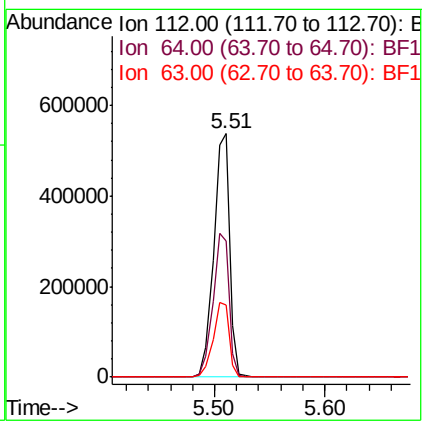
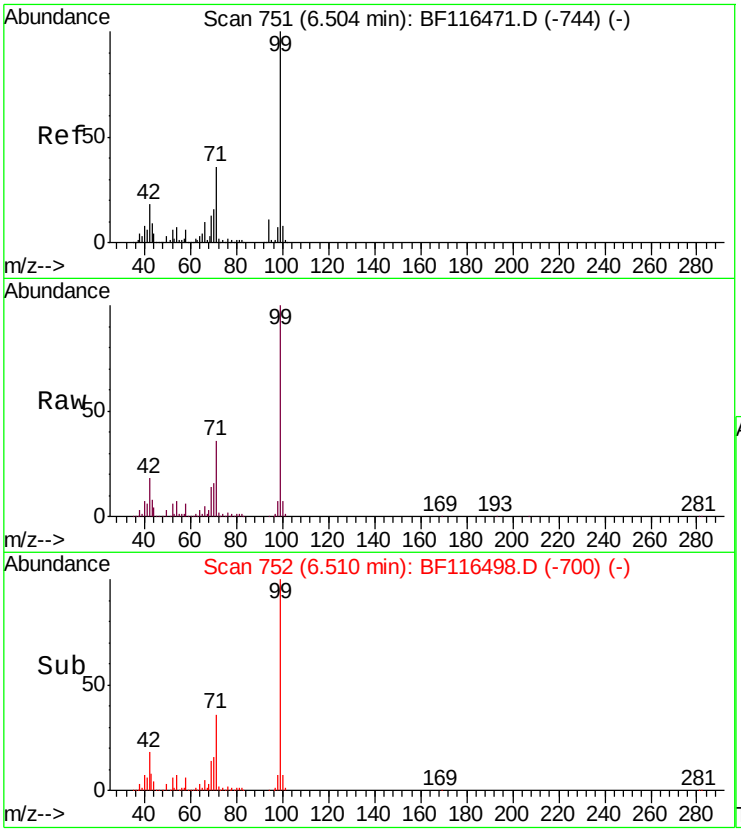


#5
2-Fluorophenol
Concen: 73.145 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:112 Resp: 534838

Ion	Ratio	Lower	Upper
112	100		
64	55.7	46.3	69.5
63	29.4	24.2	36.4

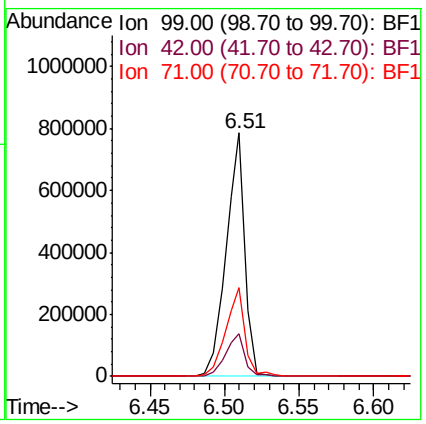




#7
Phenol-d6
Concen: 77.660 ng
RT: 6.51 min Scan# 752
Delta R.T. 0.01 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion: 99 Resp: 696267

Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.6	21.8
71	36.5	28.5	42.7



Instrument :
BNA_F
ClientSampleId :
T8-A1-A4-(0-2)

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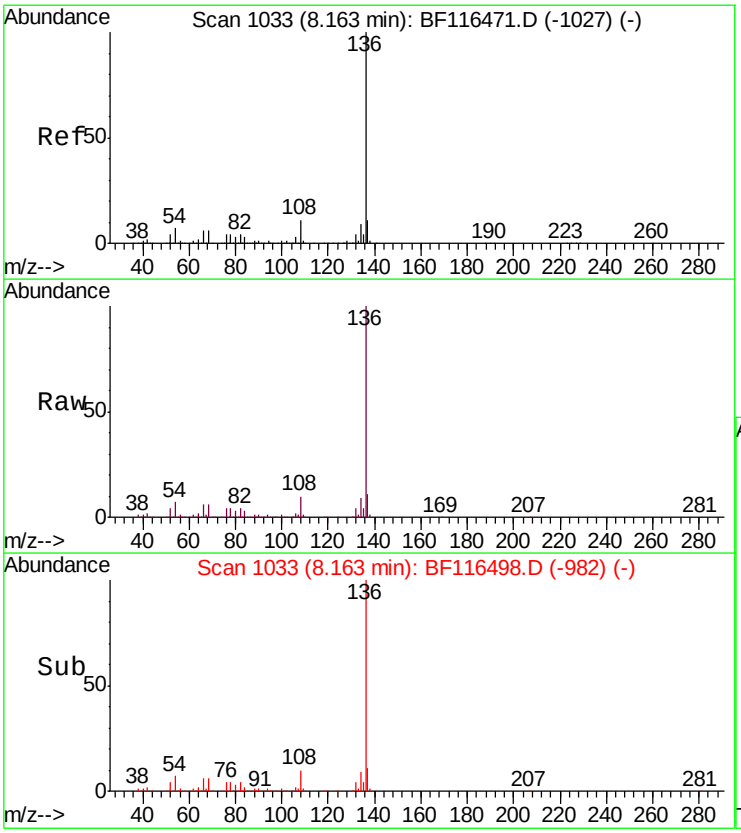
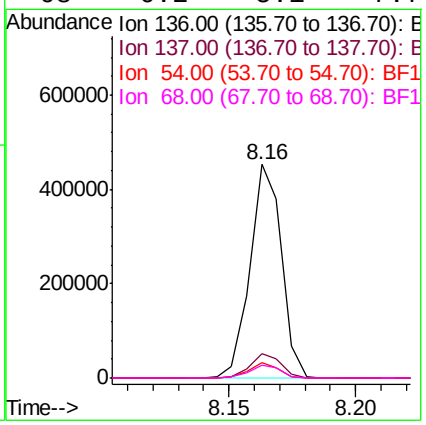
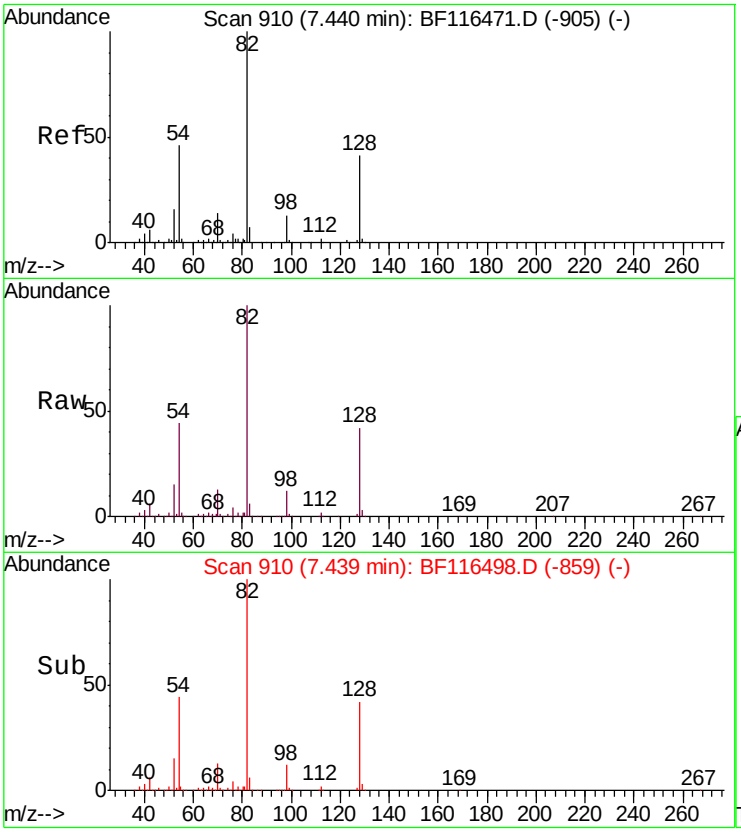


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:136 Resp: 390334

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	7.1	5.8	8.6
68	6.2	5.1	7.7

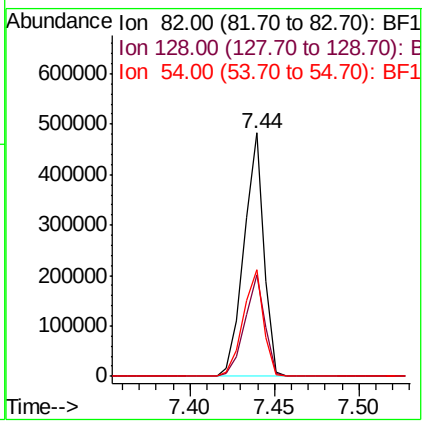




#23
Nitrobenzene-d5
Concen: 55.910 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion: 82 Resp: 398897

Ion	Ratio	Lower	Upper
82	100		
128	41.7	32.2	48.4
54	44.0	36.5	54.7



Instrument :
BNA_F
ClientSampleId :
T8-A1-A4-(0-2)

Manual Integrations APPROVED
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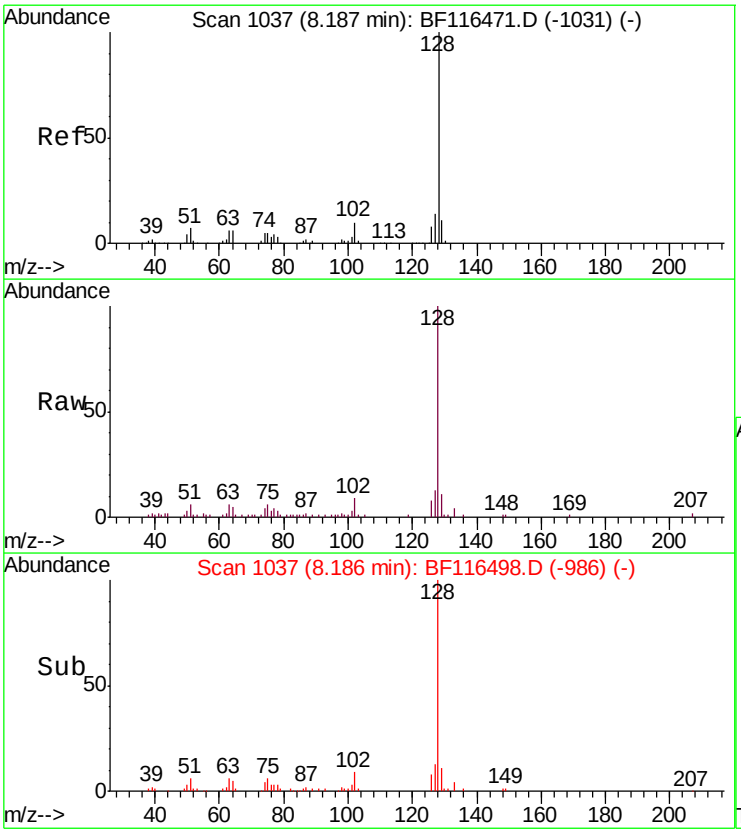
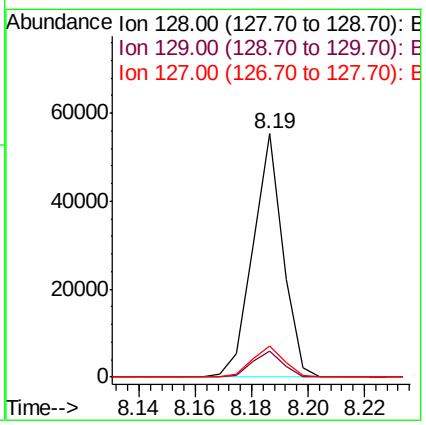
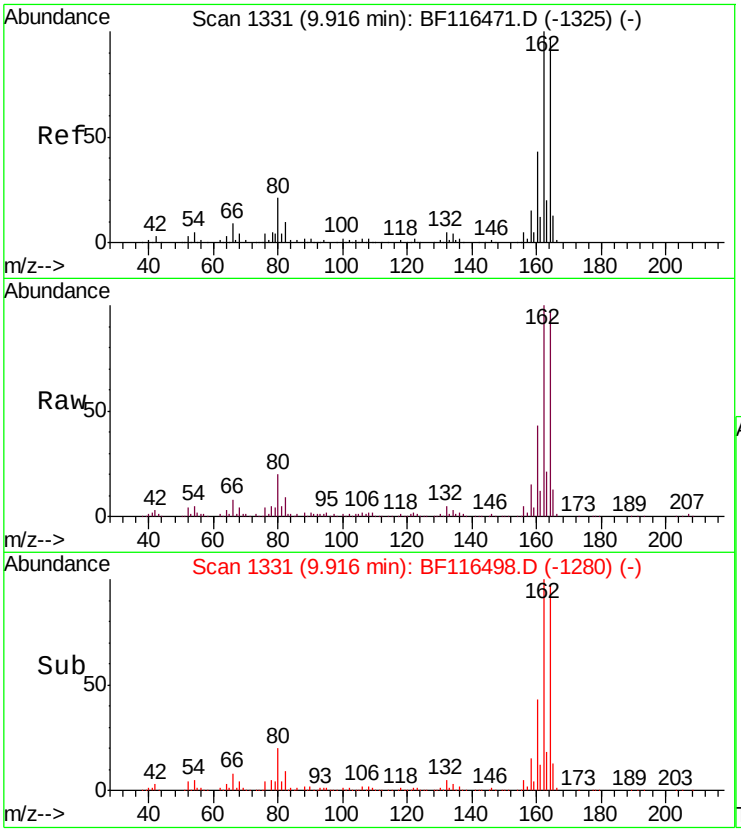


#31
Naphthalene
Concen: 2.154 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:128 Resp: 40675

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	12.9	10.9	16.3

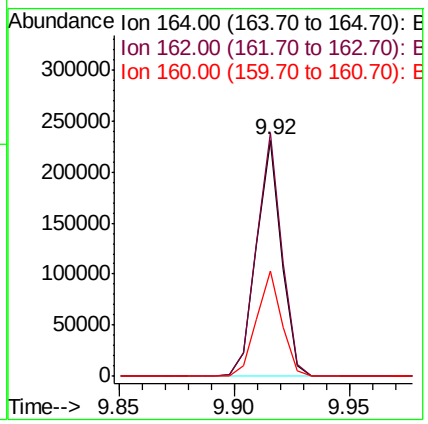




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.00 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:164 Resp: 176493

Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.6	123.8
160	44.7	35.8	53.8



Instrument :
BNA_F
ClientSampleId :
T8-A1-A4-(0-2)

Manual Integrations APPROVED
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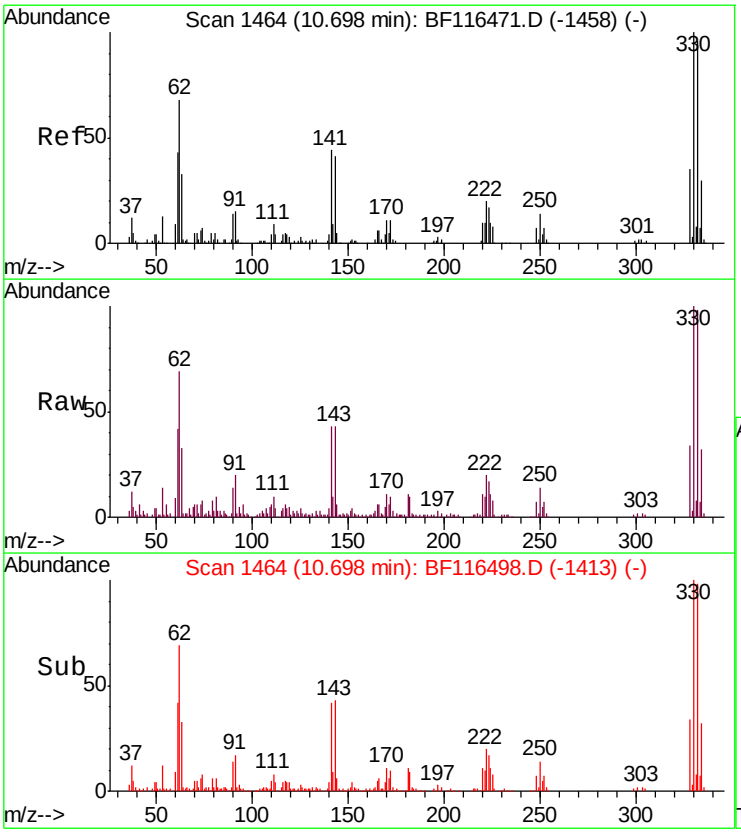
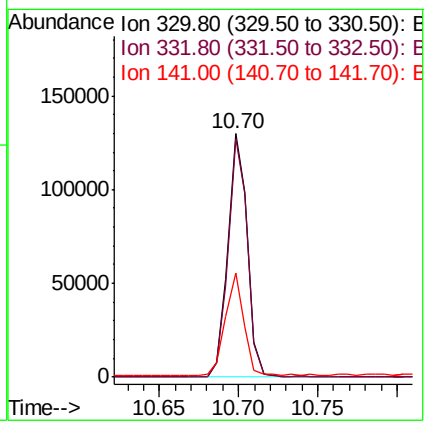
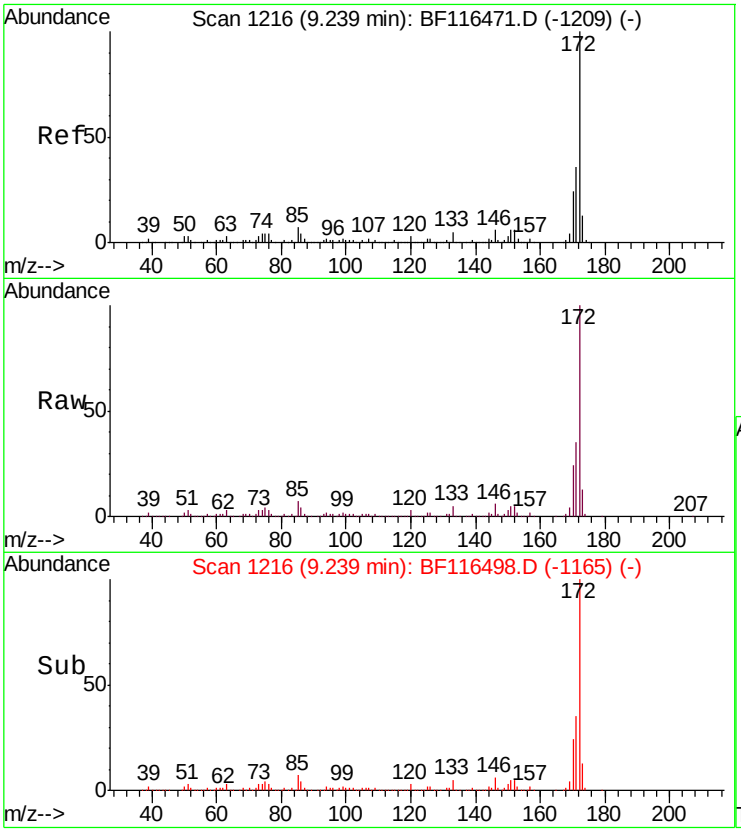


#42
2,4,6-Tribromophenol
Concen: 72.662 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.00 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:330 Resp: 110119

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.2	115.8
141	41.4	33.3	49.9

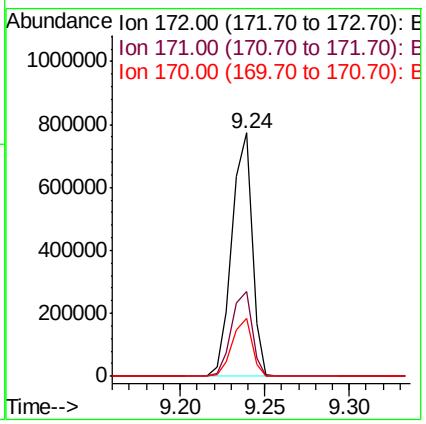




#45
2-Fluorobiphenyl
Concen: 58.667 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.00 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:172 Resp: 642960

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.9	43.3
170	23.7	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
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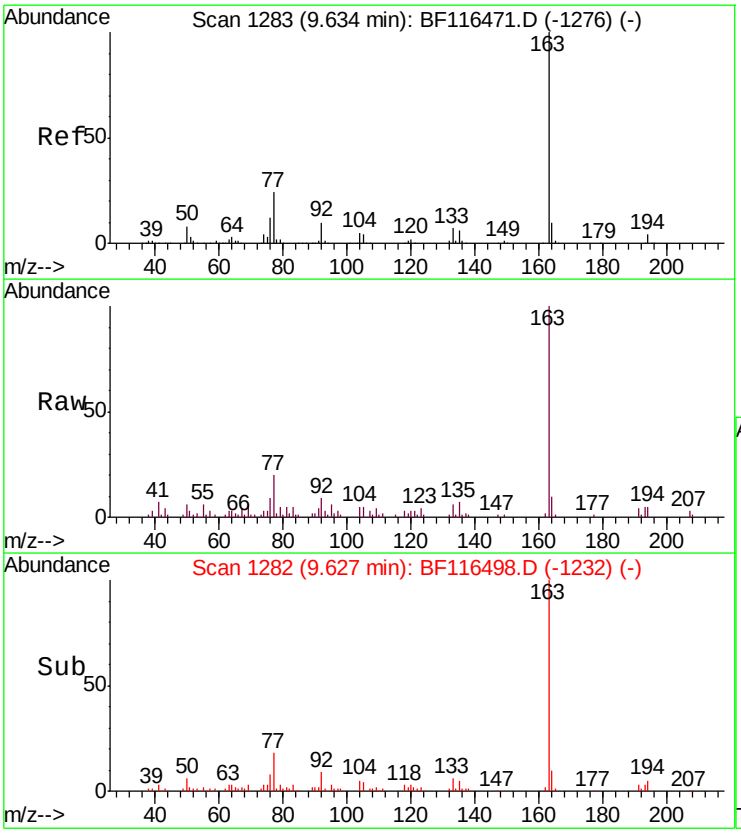
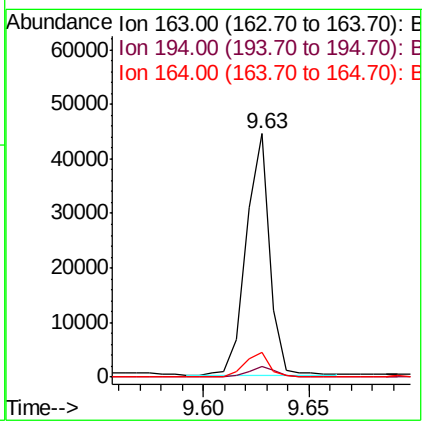
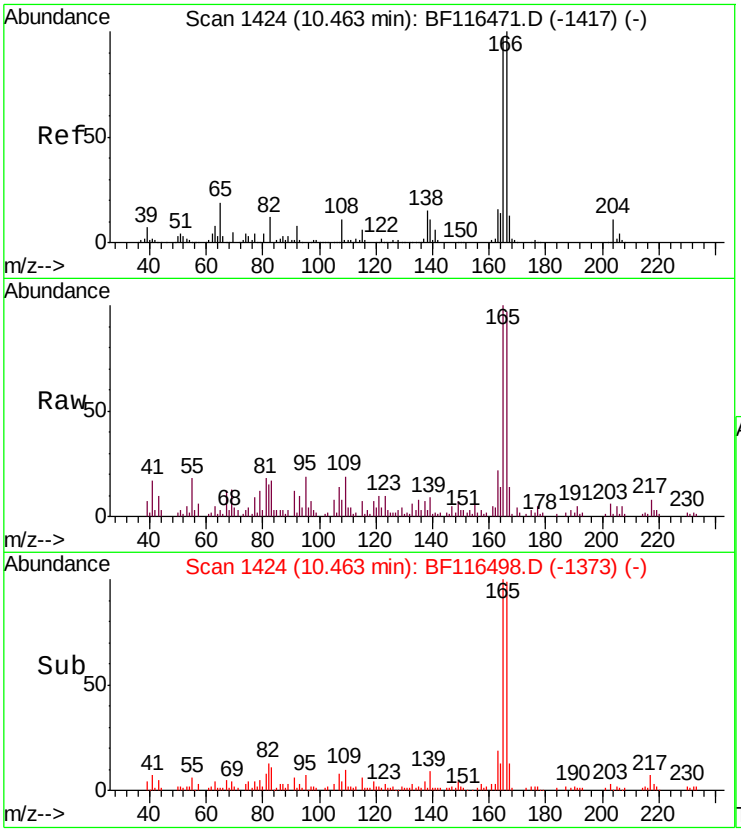


#50
Dimethylphthalate
Concen: 2.753 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:163 Resp: 33901

Ion	Ratio	Lower	Upper
163	100		
194	4.5	2.9	4.3#
164	10.1	8.2	12.2

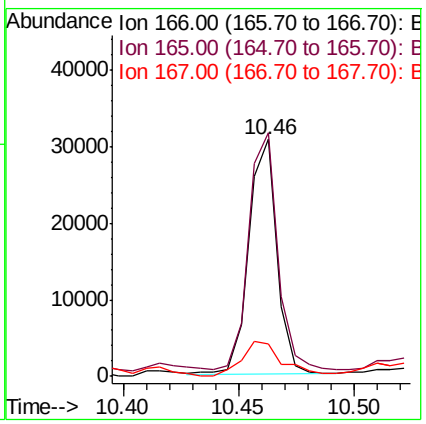




#58
Fluorene
Concen: 2.375 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.00 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:166 Resp: 26421

Ion	Ratio	Lower	Upper
166	100		
165	102.8	77.4	116.0
167	13.9	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
T8-A1-A4-(0-2)

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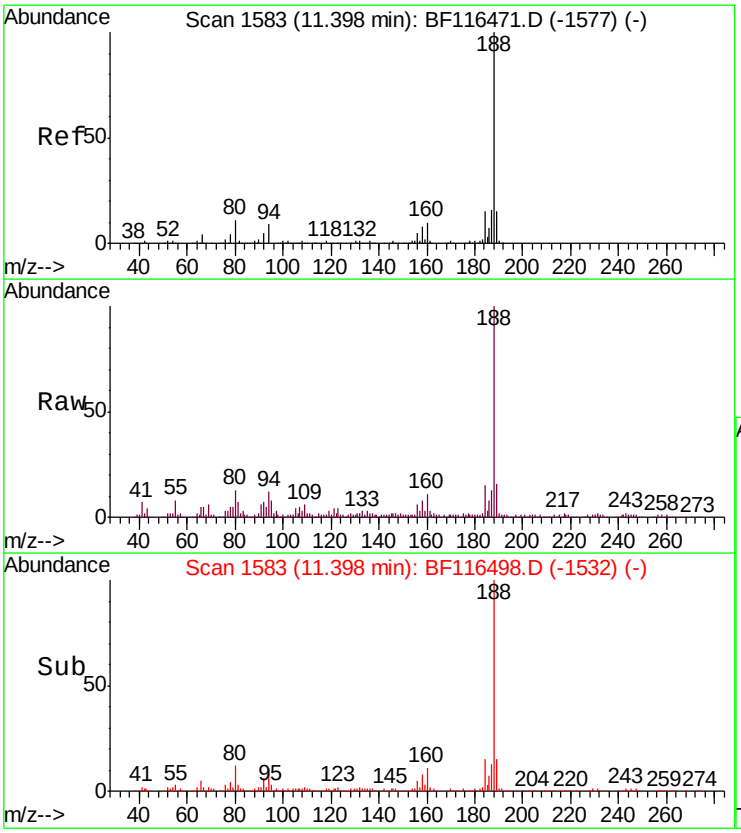
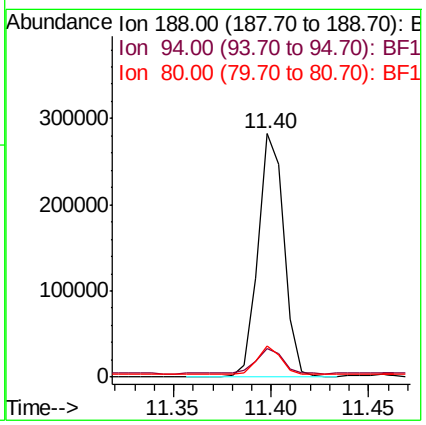
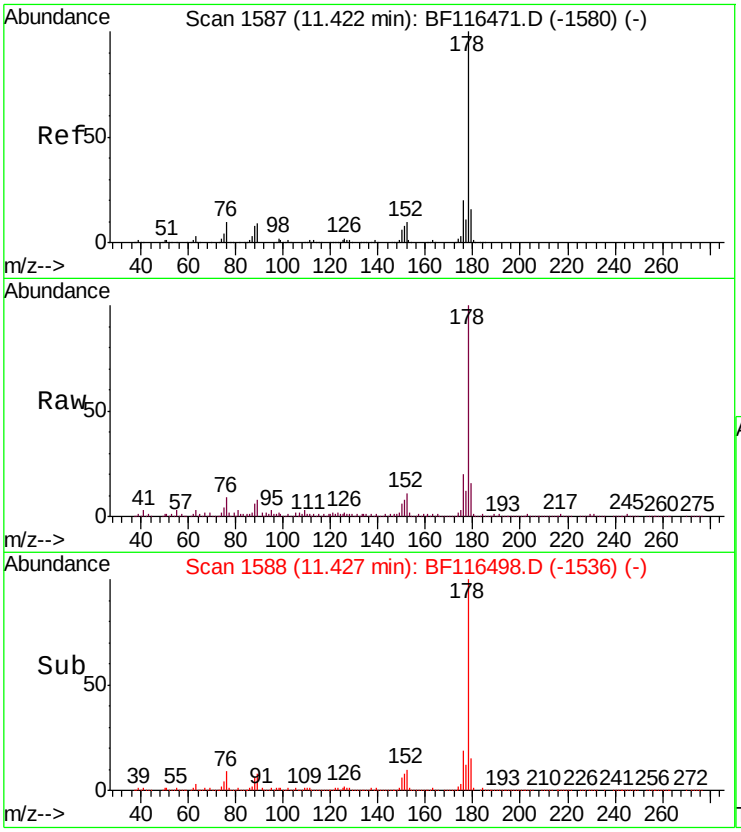


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:188 Resp: 258038

Ion	Ratio	Lower	Upper
188	100		
94	11.8	7.4	11.2#
80	12.9	8.6	12.8#

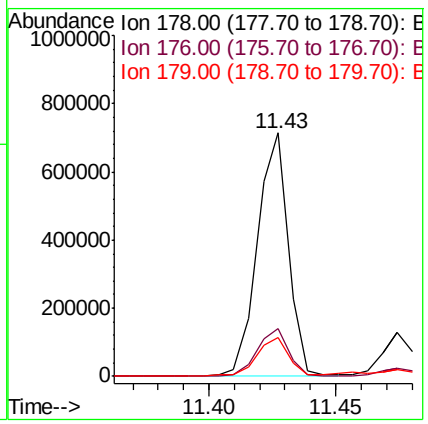




#71
Phenanthrene
Concen: 43.022 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:178 Resp: 604756

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.6
179	15.7	12.8	19.2



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ClientSampleId :
T8-A1-A4-(0-2)

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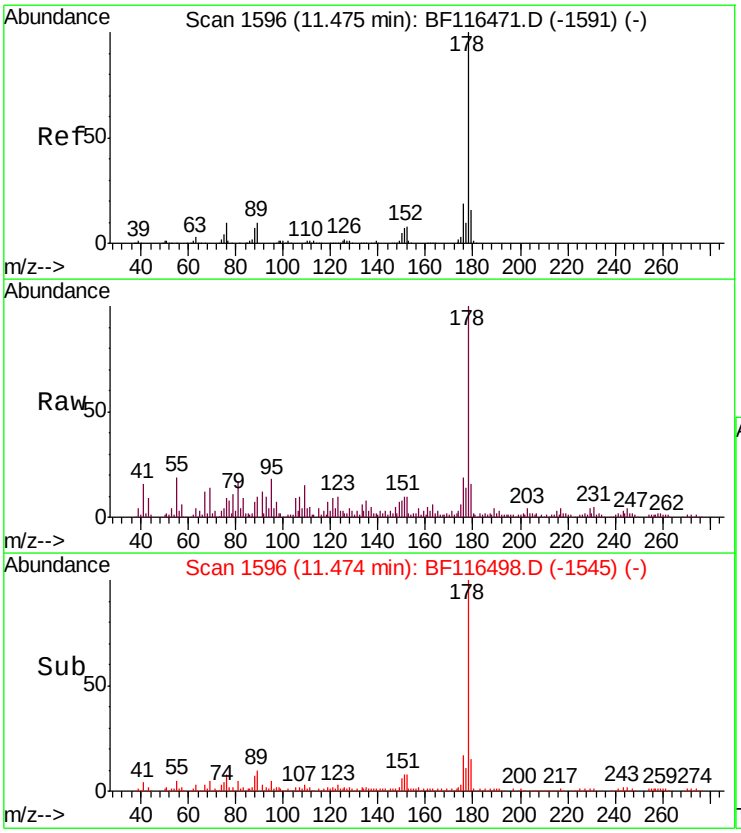
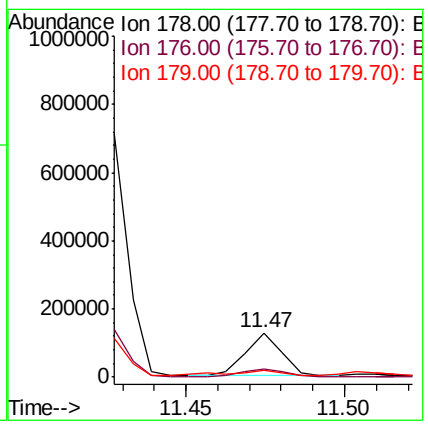
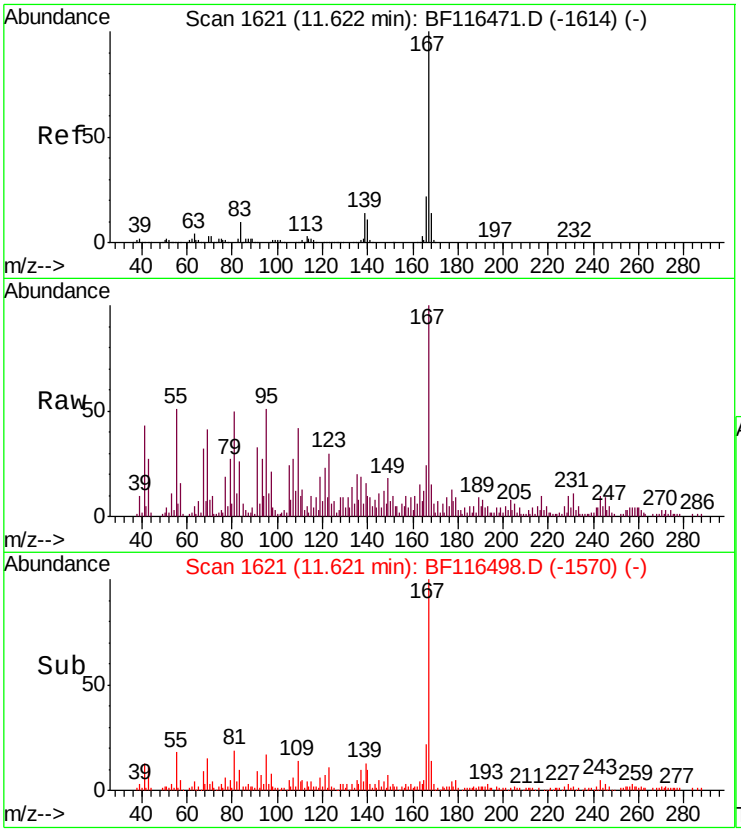


#72
Anthracene
Concen: 7.102 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.00 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:178 Resp: 100311

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	16.2	12.5	18.7

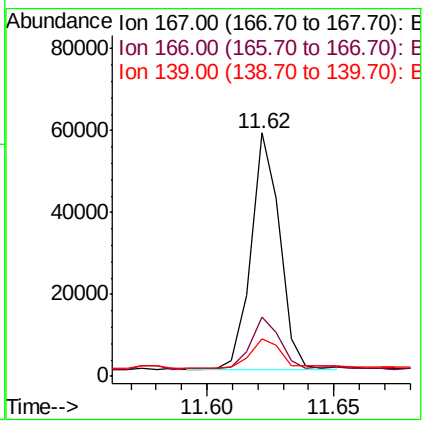




#73
Carbazole
Concen: 3.584 ng
RT: 11.62 min Scan# 1621
Delta R.T. -0.00 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

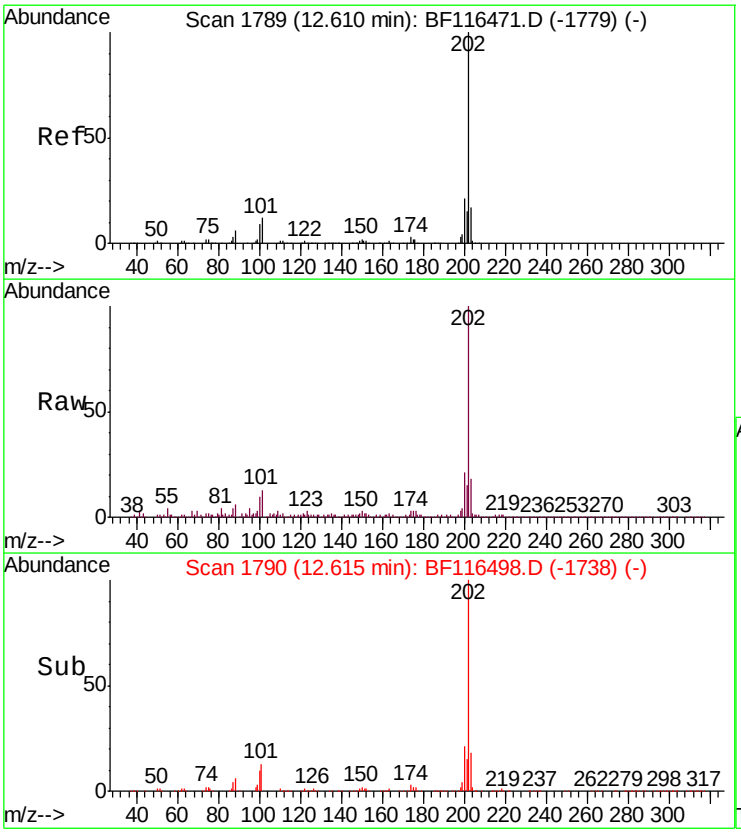
Tgt Ion:167 Resp: 45440

Ion	Ratio	Lower	Upper
167	100		
166	24.3	17.8	26.6
139	15.5	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
T8-A1-A4-(0-2)

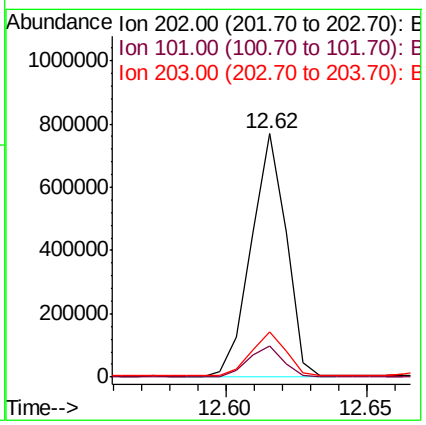
Manual Integrations APPROVED
Jagrut
8/28/2019 8:09:21 AM

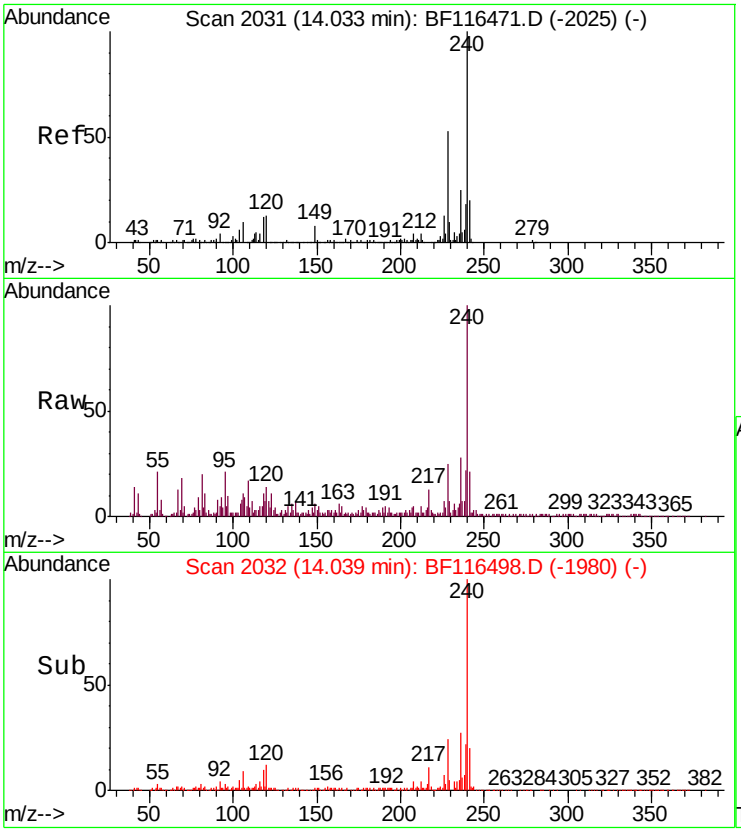


#75
Fluoranthene
Concen: 45.201 ng
RT: 12.62 min Scan# 1790
Delta R.T. 0.01 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:202 Resp: 656898

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	31.5
203	18.3	0.0	37.5

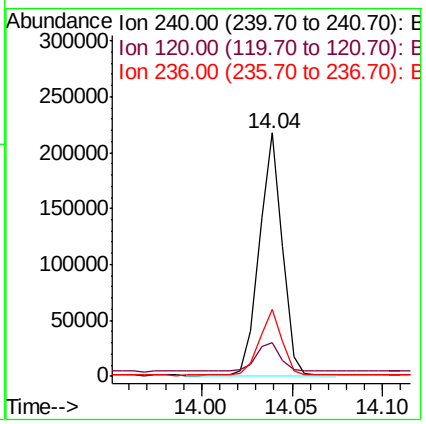




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.01 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:240 Resp: 189488

Ion	Ratio	Lower	Upper
240	100		
120	13.8	10.5	15.7
236	27.5	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
T8-A1-A4-(0-2)

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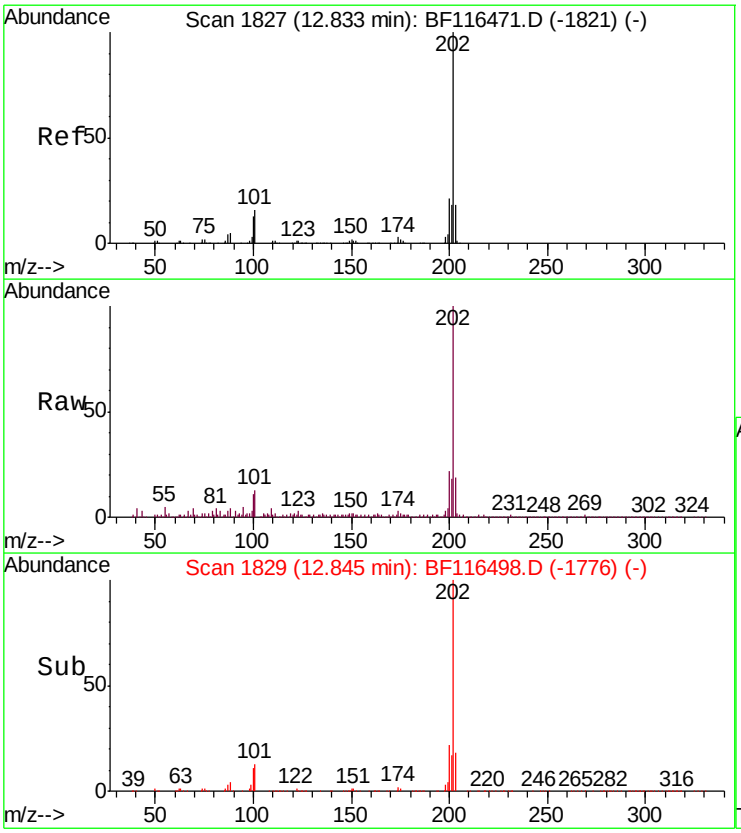
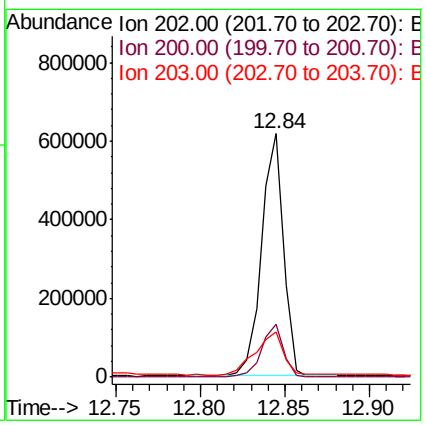
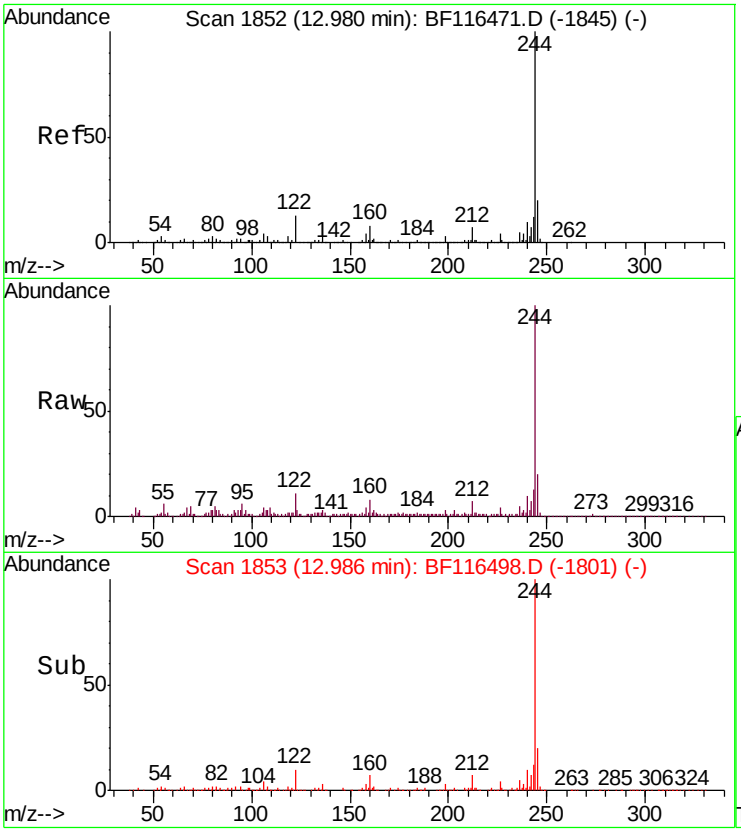


#78
Pyrene
Concen: 36.530 ng
RT: 12.84 min Scan# 1829
Delta R.T. 0.01 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:202 Resp: 553557

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.0	25.4
203	18.8	14.2	21.4

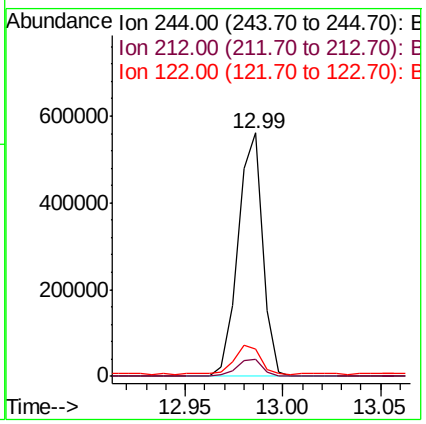




#79
Terphenyl-d14
Concen: 48.264 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.01 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:244 Resp: 489607

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	11.2	10.2	15.4



Instrument :
BNA_F
ClientSampleId :
T8-A1-A4-(0-2)

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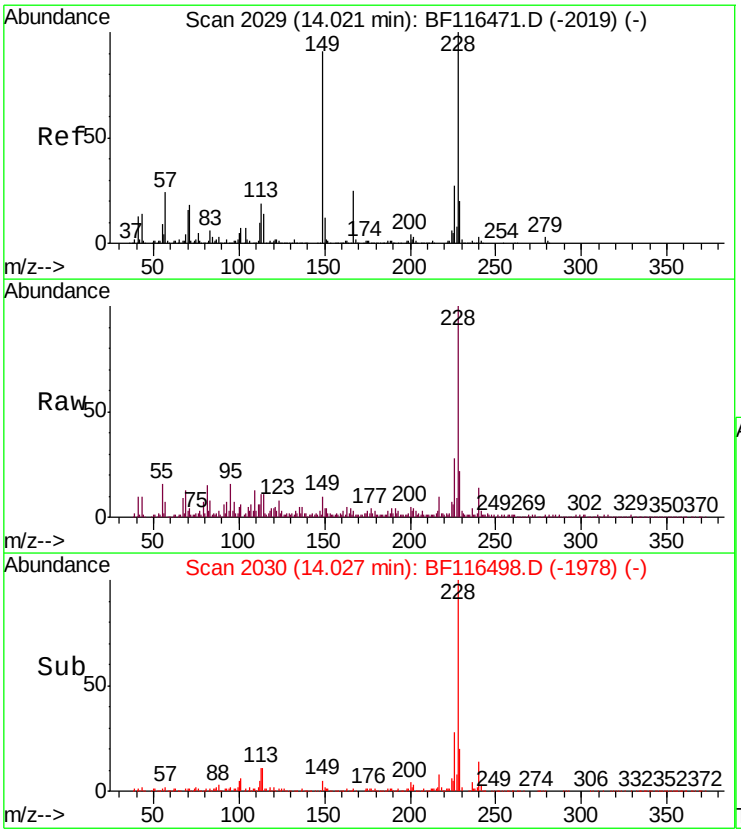
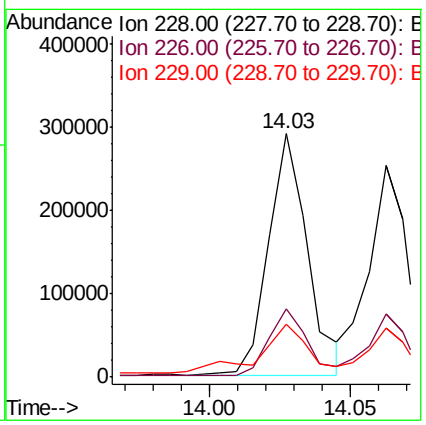
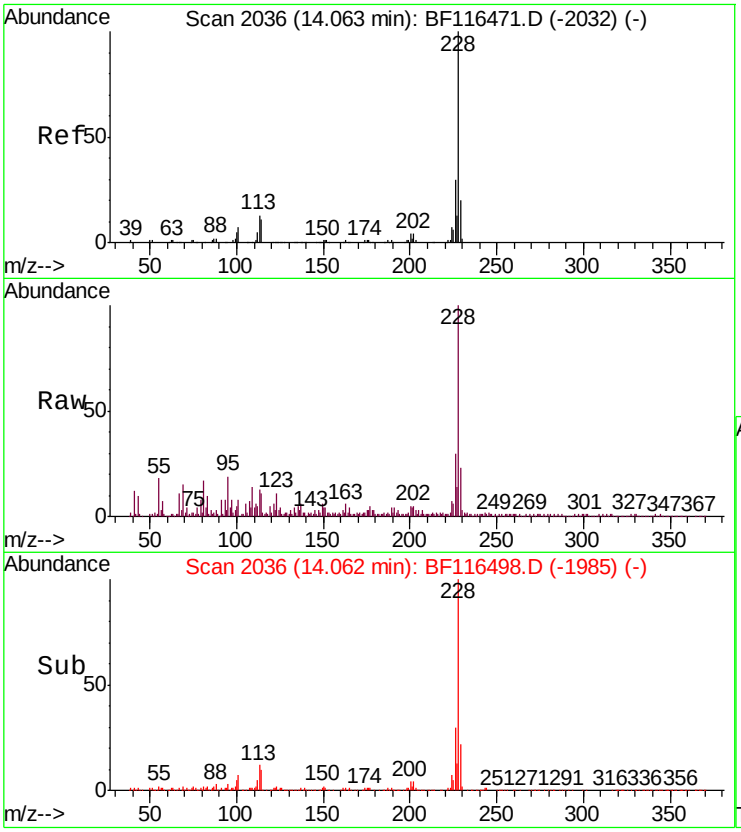


#81
Benzo(a)anthracene
Concen: 22.631 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:228 Resp: 277743

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.8	32.6
229	21.5	15.9	23.9

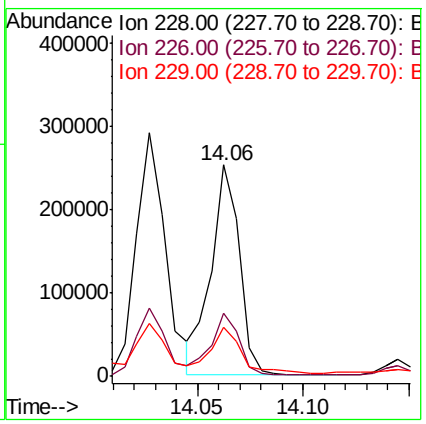




#83
Chrysene
Concen: 18.834 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.00 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:228 Resp: 234273

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.2
229	23.2	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
T8-A1-A4-(0-2)

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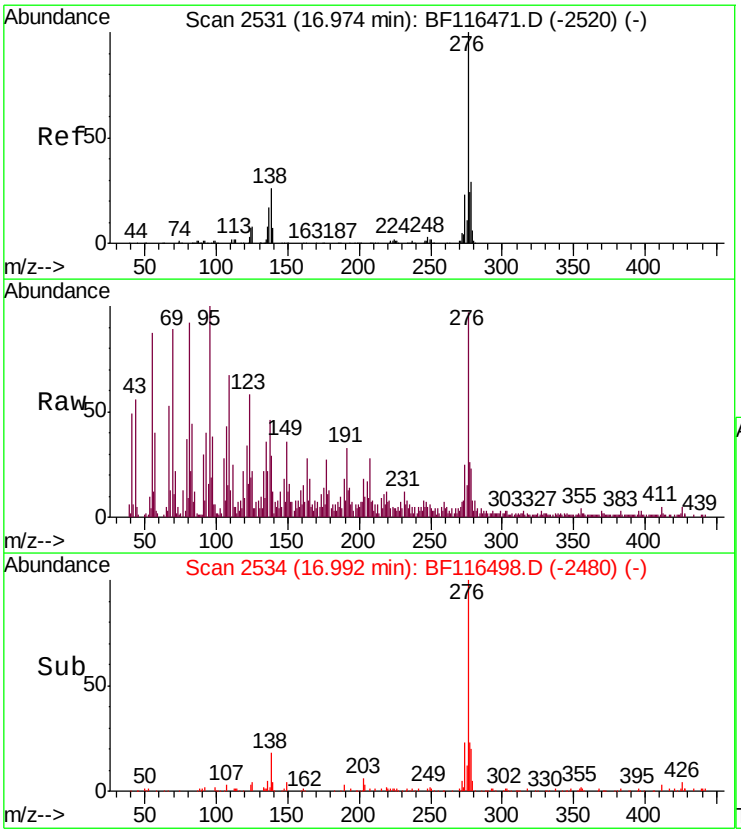
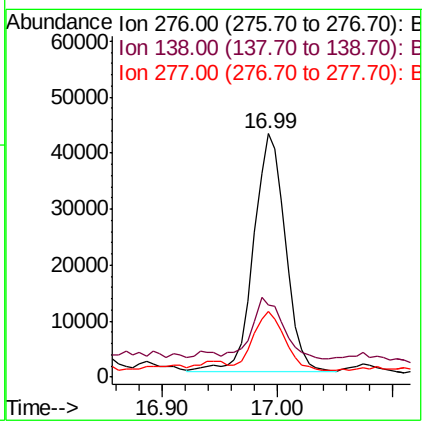
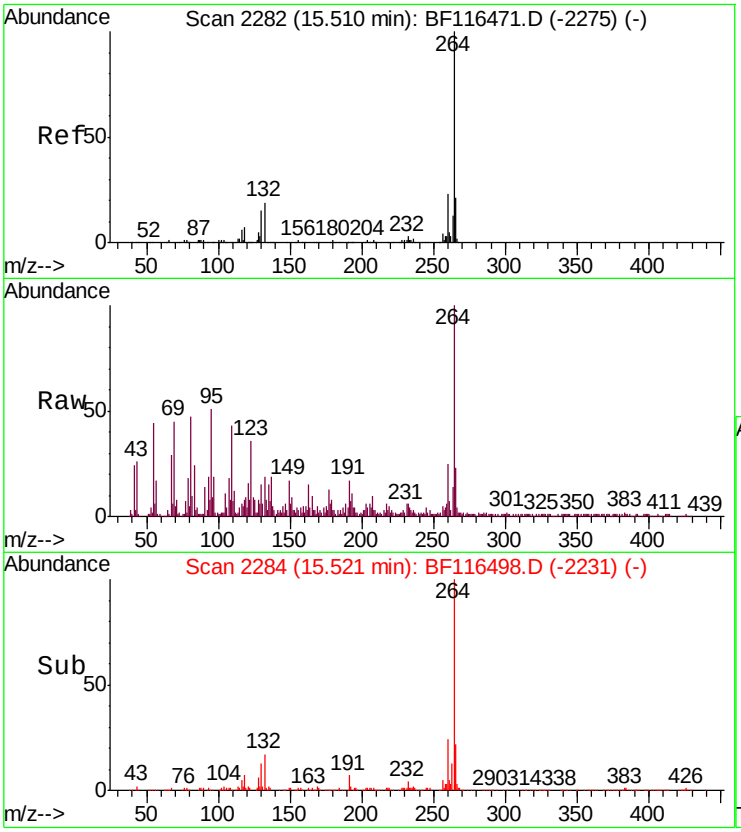


#86
Indeno(1,2,3-cd)pyrene
Concen: 7.581 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.02 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:276 Resp: 80778

Ion	Ratio	Lower	Upper
276	100		
138	25.3	22.9	34.3
277	24.8	19.9	29.9





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:264 Resp: 200780

Ion	Ratio	Lower	Upper
264	100		
260	25.1	18.8	28.2
265	22.8	17.1	25.7

Instrument :
BNA_F
ClientSampleId :
T8-A1-A4-(0-2)

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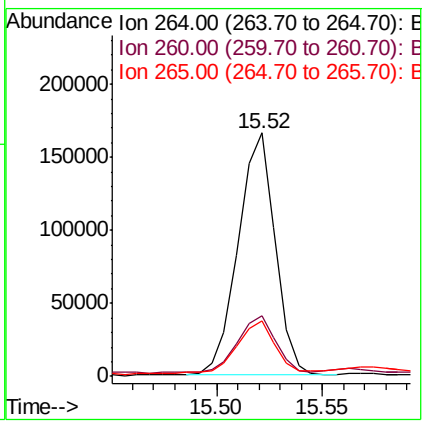
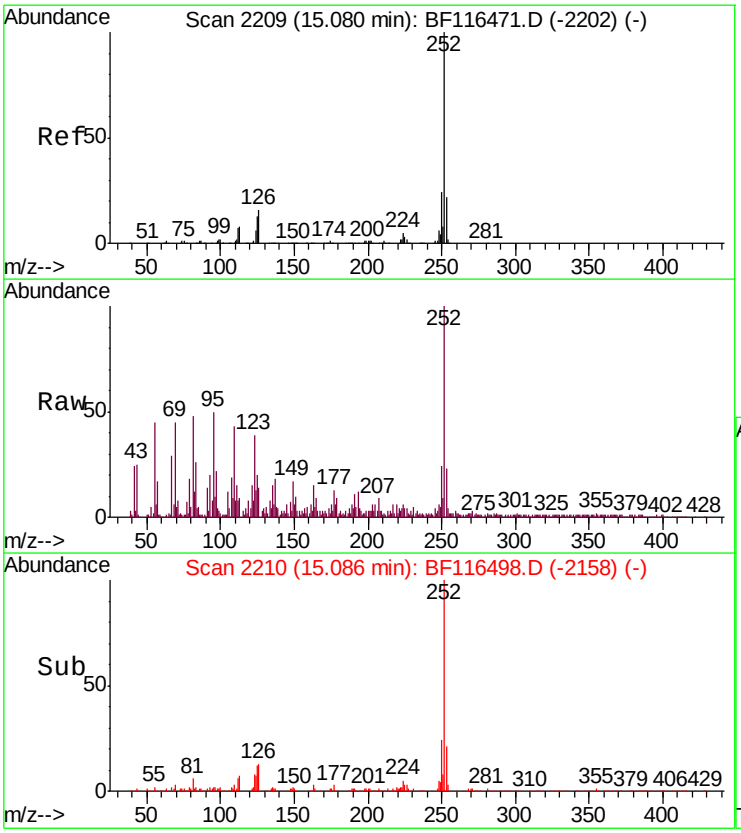
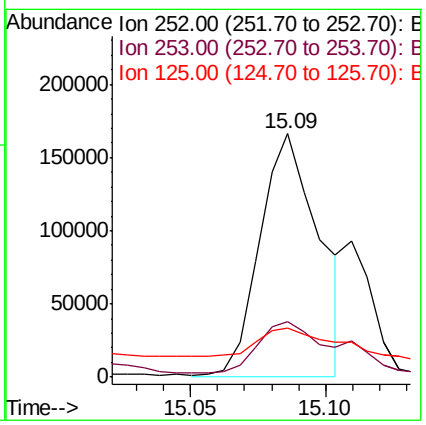


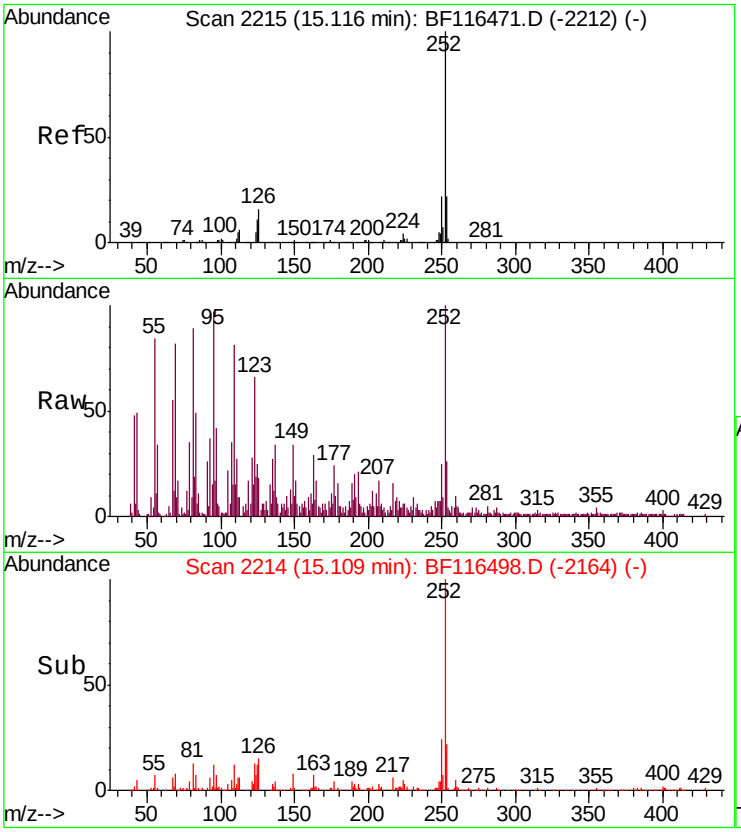


#88
Benzo(b)fluoranthene
Concen: 20.526 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.01 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:252 Resp: 254592

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	20.0	10.1	15.1#





#89
Benzo(k)fluoranthene
Concen: 6.146 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:252 Resp: 69066

Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.4	26.2#
125	25.4	9.1	13.7#

Instrument :
BNA_F
ClientSampleId :
T8-A1-A4-(0-2)

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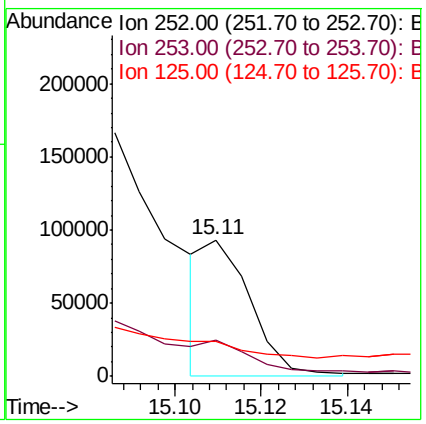
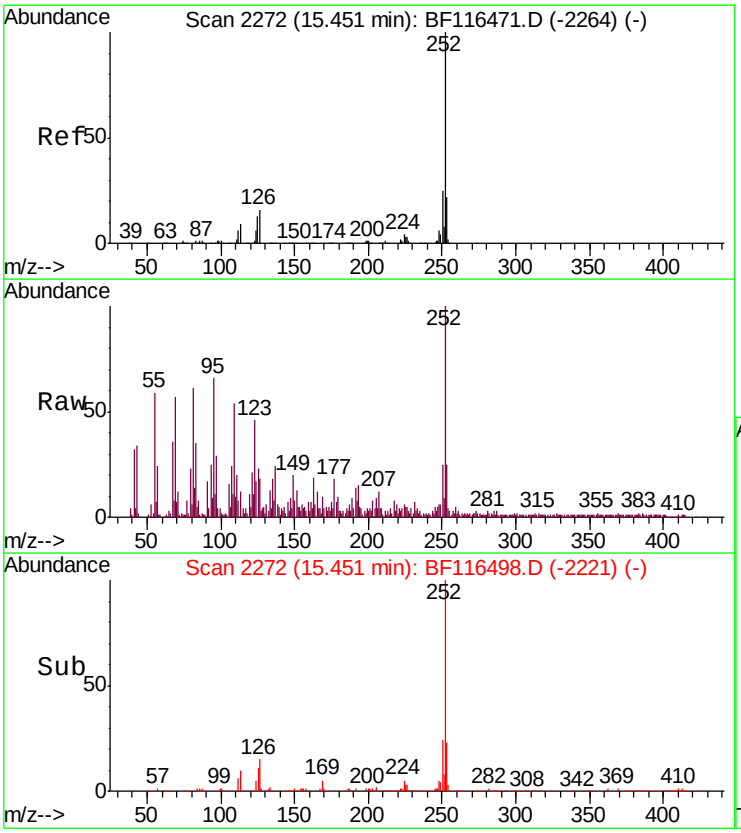
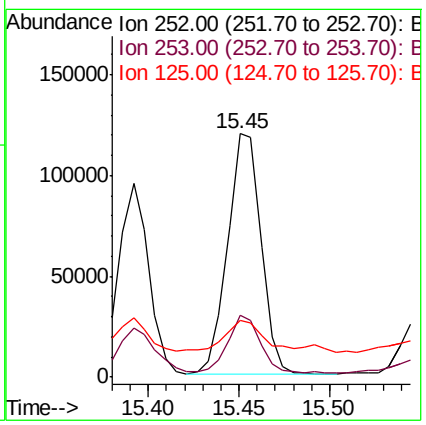


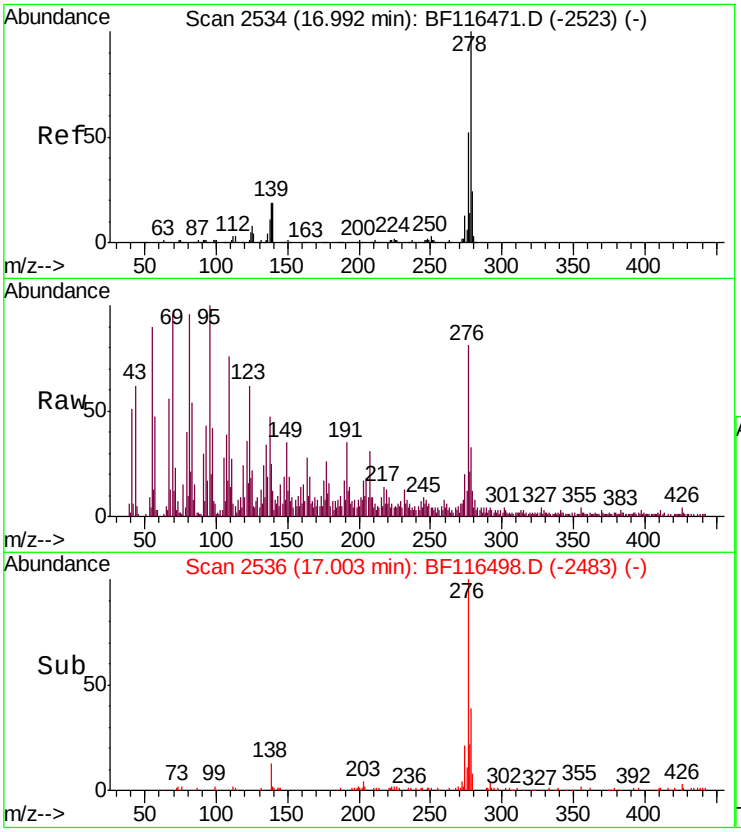


#90
Benzo(a)pyrene
Concen: 13.939 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.00 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:252 Resp: 152795

Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.2	25.8
125	23.1	10.2	15.4#

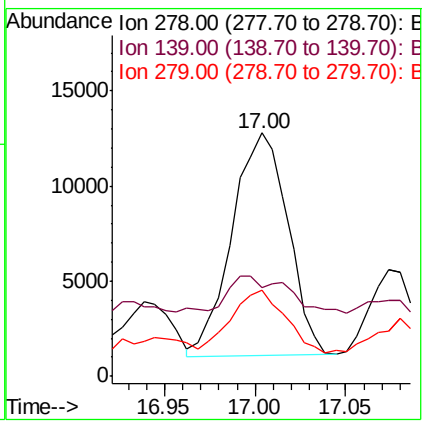




#91
Dibenzo(a,h)anthracene
Concen: 2.773 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.01 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:278 Resp: 24975

Ion	Ratio	Lower	Upper
278	100		
139	36.6	15.3	22.9#
279	35.2	19.0	28.6#



Instrument :
BNA_F
ClientSampleId :
T8-A1-A4-(0-2)

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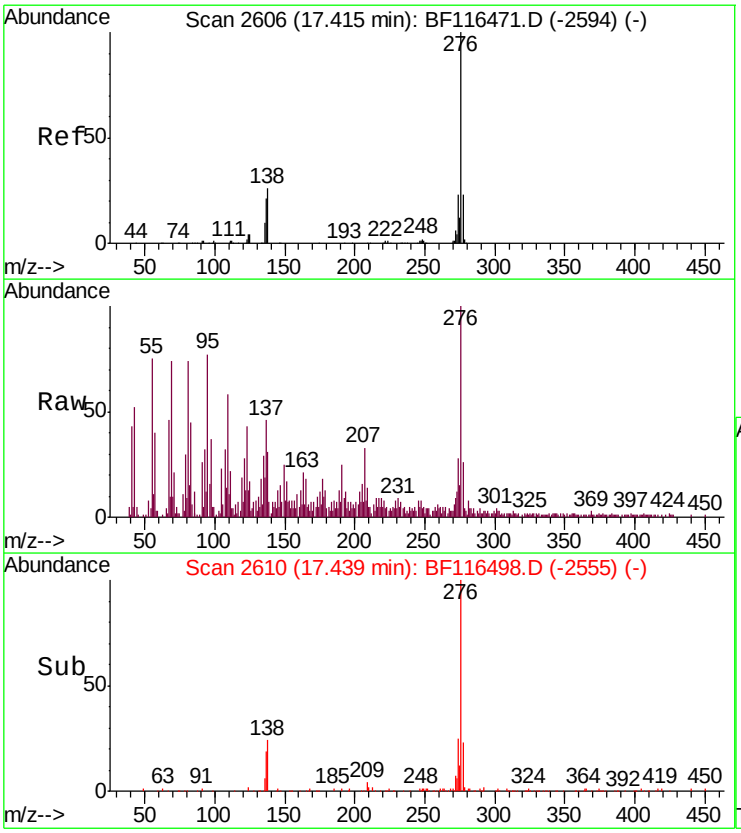

#92
Benzo(g,h,i)perylene
Concen: 8.468 ng
RT: 17.44 min Scan# 2610
Delta R.T. 0.02 min
Lab File: BF116498.D
Acq: 24 Aug 2019 00:53

Tgt Ion:276 Resp: 72720

Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.7	28.1
138	30.9	20.8	31.2