Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
Data File : BF116682.D
Acq On : 31 Aug 2019 6:01
Operator : HP/JU
Sample : K4516-20 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T2-S-D

Manual Integrations APPROVED
mohammad
8/31/2019 2:45:43 PM

Quant Time: Aug 31 11:31:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 30 20:02:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	108036	20.00	ng		0.00
21) Naphthalene-d8	8.13	136	439187	20.00	ng		0.00
39) Acenaphthene-d10	9.88	164	217846	20.00	ng		0.00
64) Phenanthrene-d10	11.36	188	308598	20.00	ng		0.00
76) Chrysene-d12	13.99	240	214823	20.00	ng		0.00
87) Perylene-d12	15.45	264	237396	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.45	112	142829	21.42	ng		-0.01
7) Phenol-d6	6.46	99	199221	22.75	ng		-0.02
23) Nitrobenzene-d5	7.40	82	116782	15.18	ng		-0.01
42) 2,4,6-Tribromophenol	10.66	330	26386	18.12	ng		-0.01
45) 2-Fluorobiphenyl	9.20	172	181306	14.04	ng		-0.01
79) Terphenyl-d14	12.94	244	116294	10.01	ng		-0.01
Target Compounds							Qvalue
50) Dimethylphthalate	9.59	163	32028	2.130	ng		98
71) Phenanthrene	11.39	178	87267	5.080	ng		98
75) Fluoranthene	12.57	202	333996	19.784	ng		98
78) Pyrene	12.80	202	307678	16.112	ng		99
81) Benzo(a)anthracene	13.98	228	215108	15.821	ng		98
83) Chrysene	14.02	228	255682	18.253	ng		98
84) Bis(2-ethylhexyl)phthalate	13.98	149	63039	5.499	ng		100
86) Indeno(1,2,3-cd)pyrene	16.89	276	136138	12.100	ng		95
88) Benzo(b)fluoranthene	15.03	252	393951m	27.448	ng		
89) Benzo(k)fluoranthene	15.05	252	121481m	9.283	ng		
90) Benzo(a)pyrene	15.39	252	248811	19.926	ng		97
91) Dibenzo(a,h)anthracene	16.90	278	34542	3.160	ng	#	81
92) Benzo(g,h,i)perylene	17.32	276	112882	10.127	ng	#	88

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

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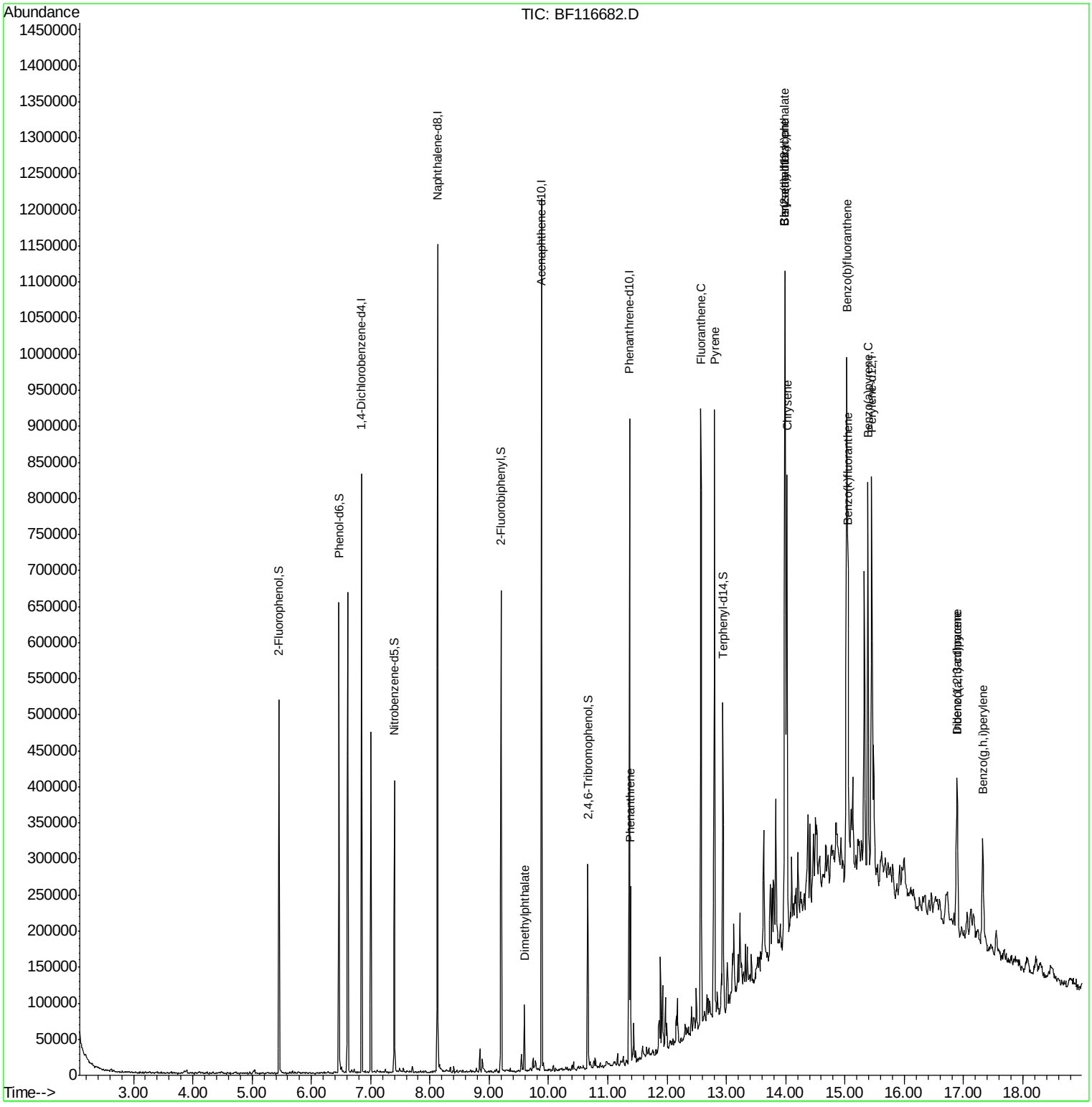
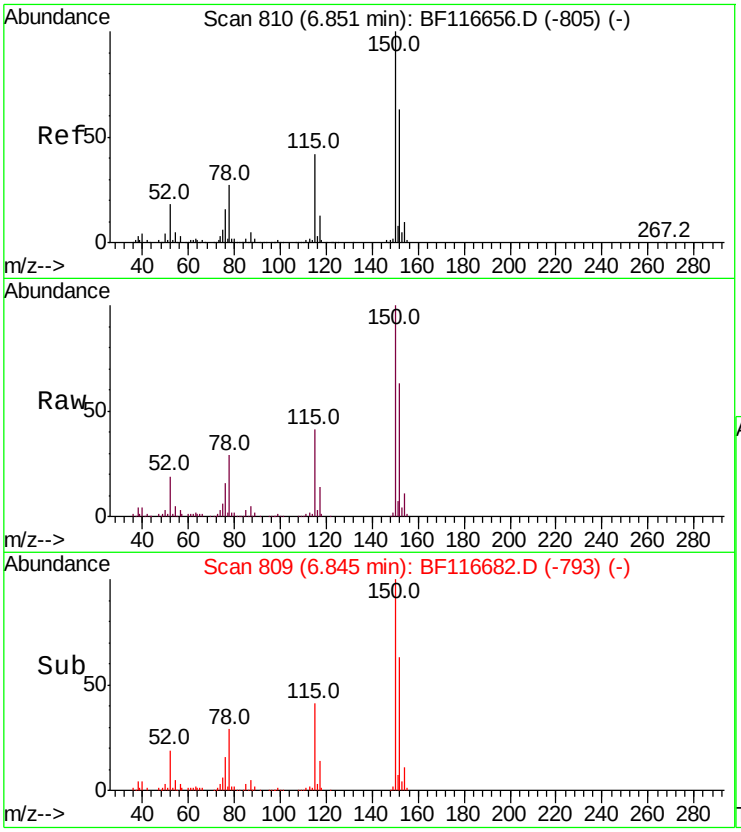
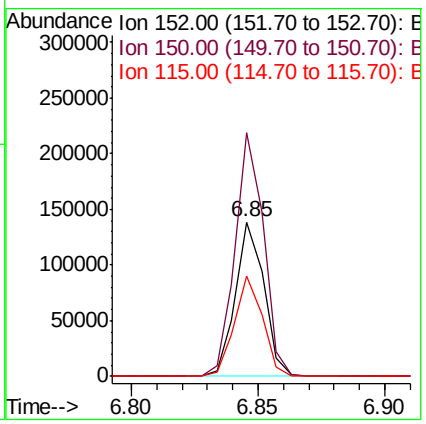




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion:152 Resp: 108036

Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.4	186.6
115	64.8	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
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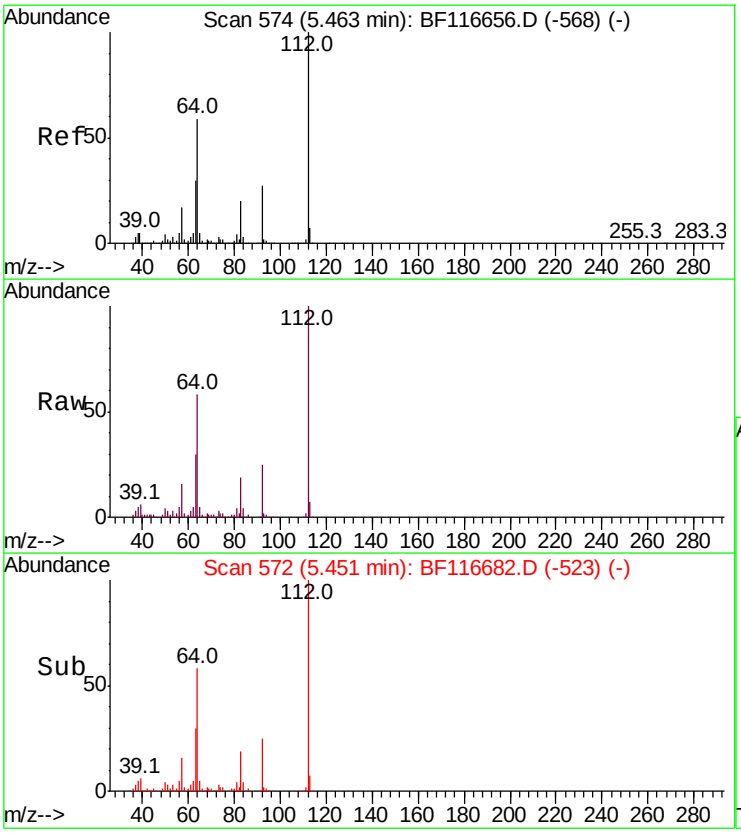
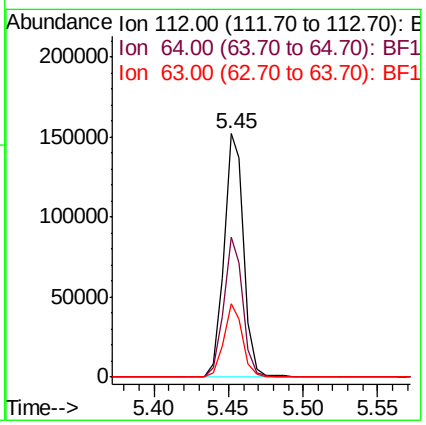
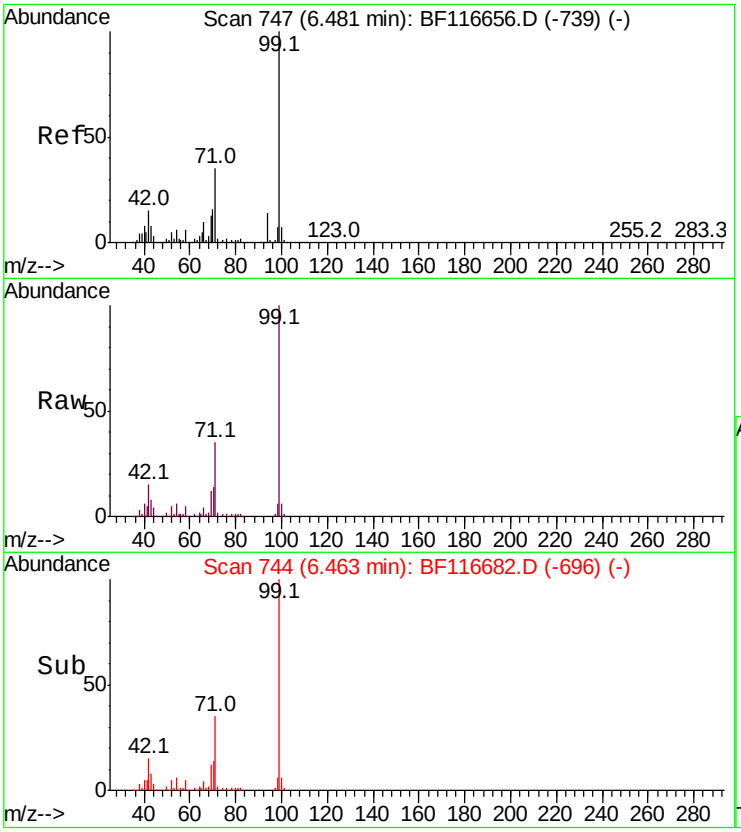


#5
2-Fluorophenol
Concen: 21.418 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion:112 Resp: 142829

Ion	Ratio	Lower	Upper
112	100		
64	57.7	47.1	70.7
63	30.2	24.9	37.3

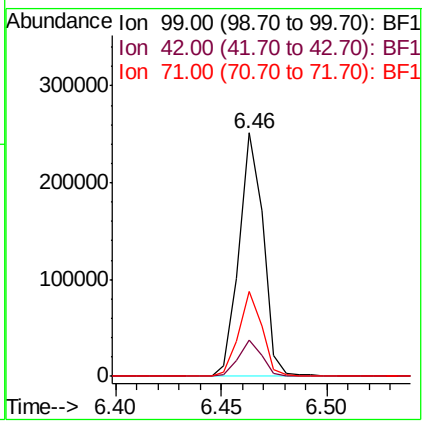




#7
Phenol-d6
Concen: 22.751 ng
RT: 6.46 min Scan# 744
Delta R.T. -0.02 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion: 99 Resp: 199221

Ion	Ratio	Lower	Upper
99	100		
42	15.0	13.7	20.5
71	35.0	30.8	46.2



Instrument :
BNA_F
ClientSampleId :
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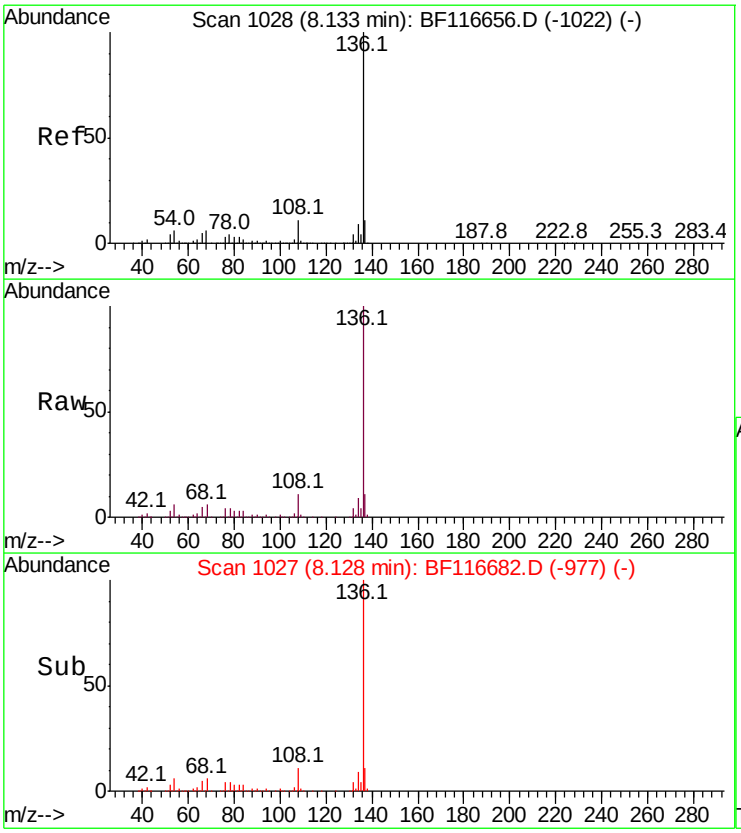
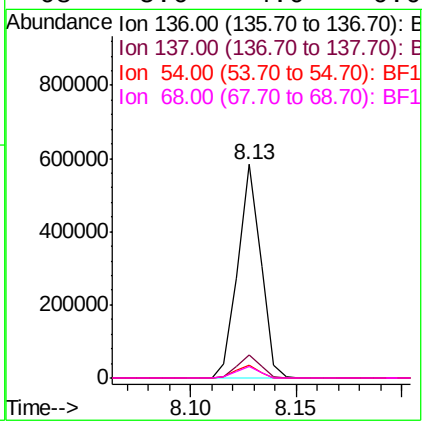
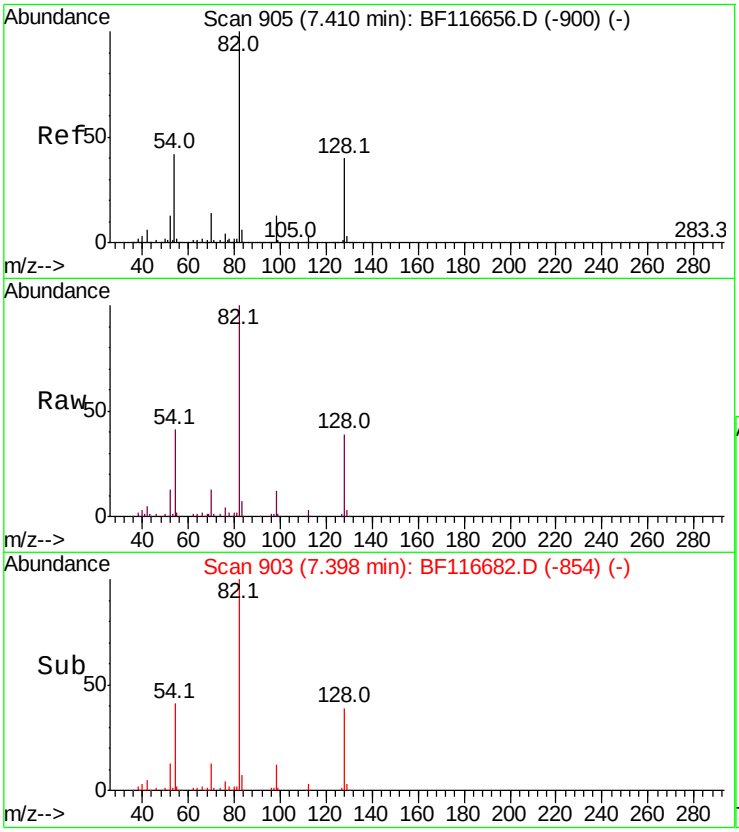


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion:136 Resp: 439187

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.2	4.8	7.2
68	5.6	4.0	6.0

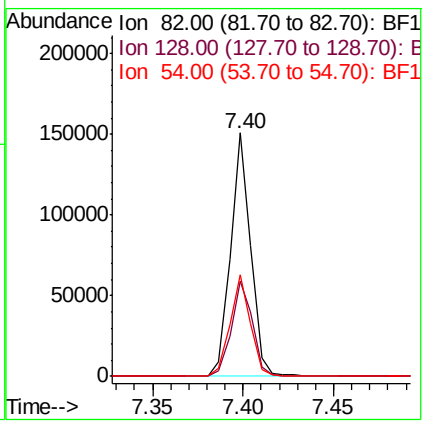




#23
Nitrobenzene-d5
Concen: 15.180 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion: 82 Resp: 116782

Ion	Ratio	Lower	Upper
82	100		
128	38.9	32.8	49.2
54	41.5	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
T2-S-D

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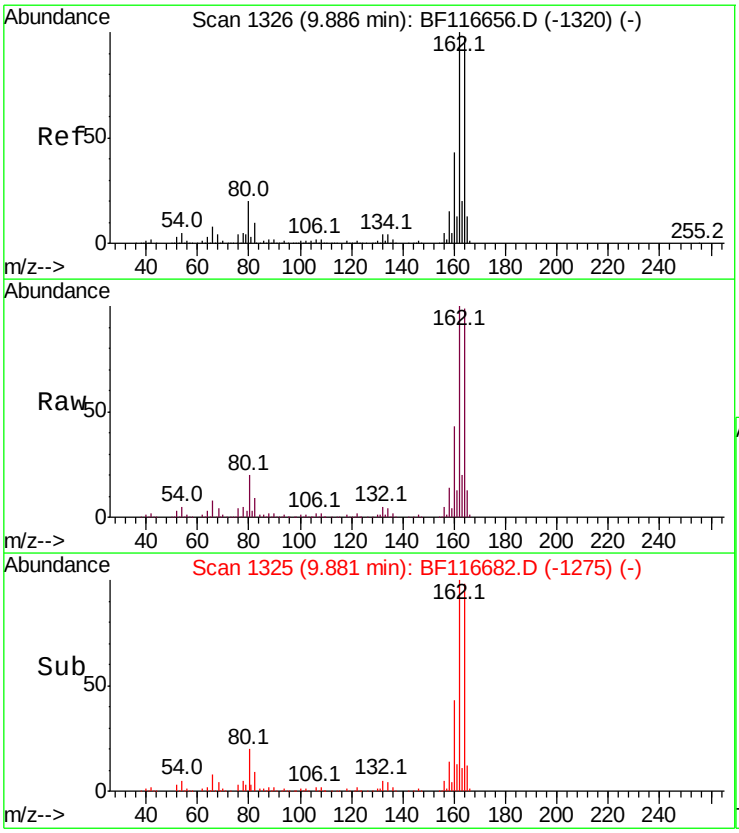
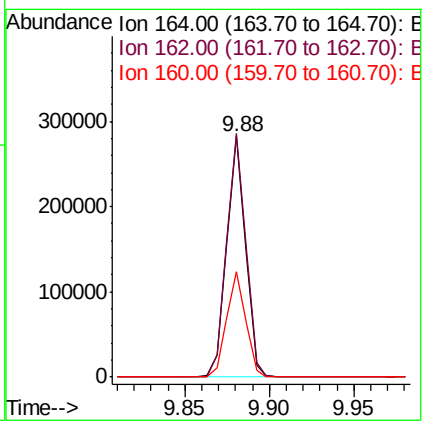
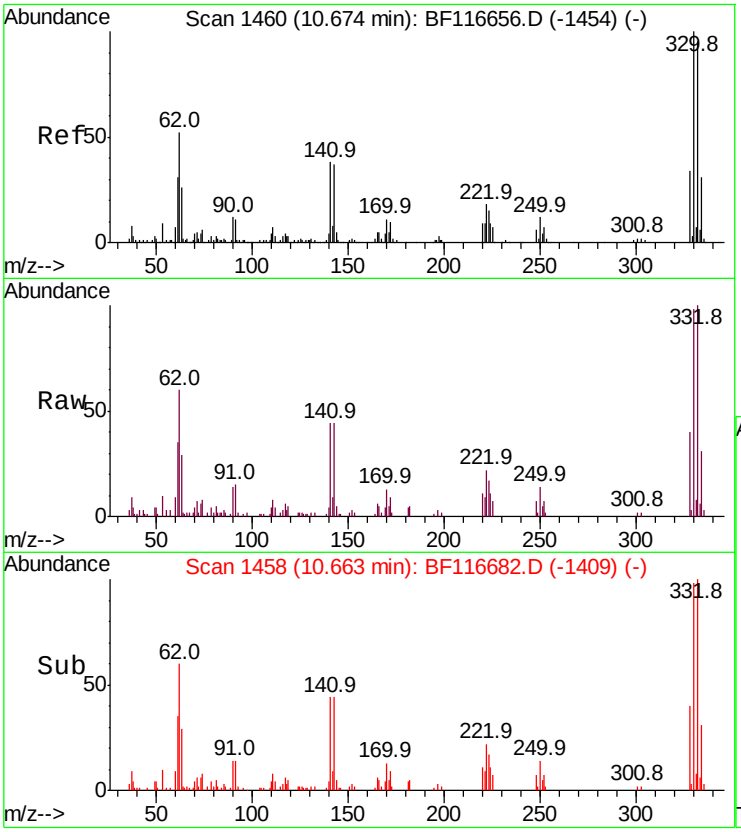


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion:164 Resp: 217846

Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.4	122.0
160	43.6	35.4	53.2





#42
2,4,6-Tribromophenol
Concen: 18.118 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion:330 Resp: 26386

Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.9	115.3
141	48.8	31.4	47.2#

Instrument :
BNA_F
ClientSampleId :
T2-S-D

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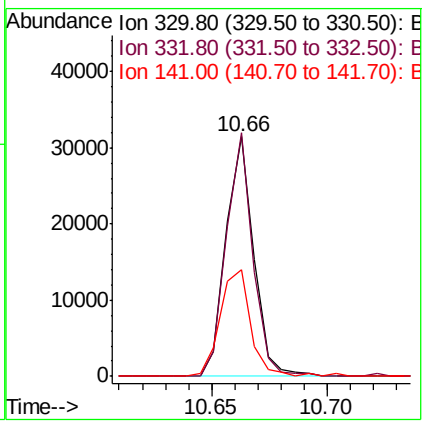
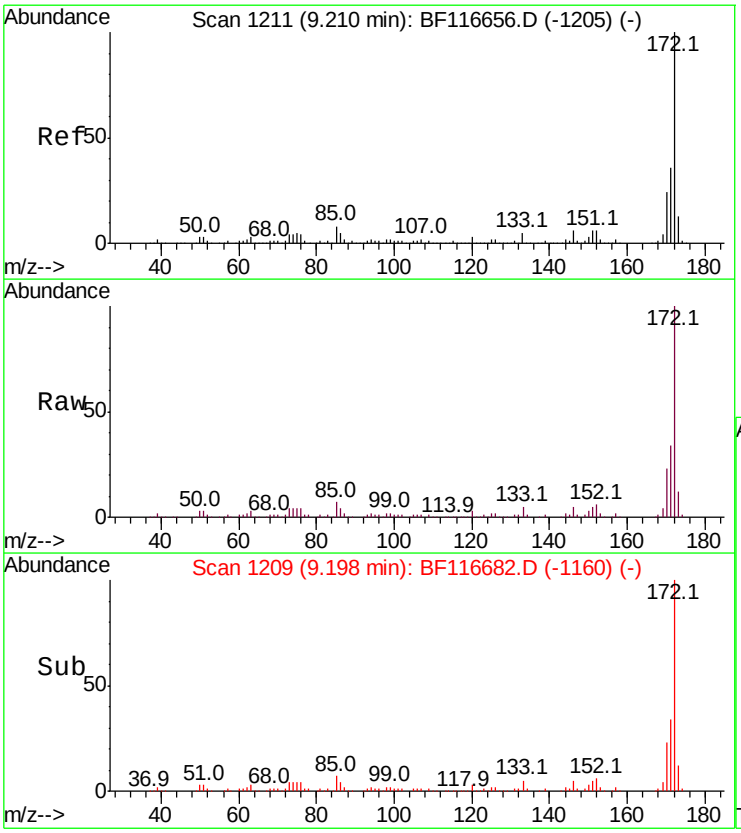
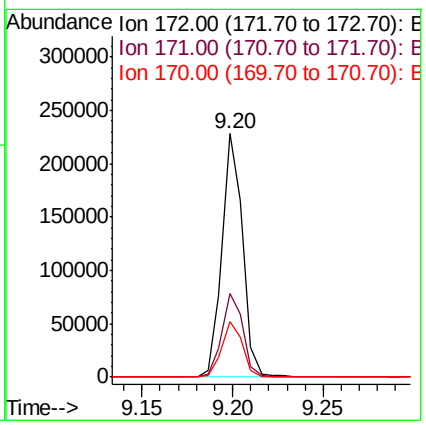


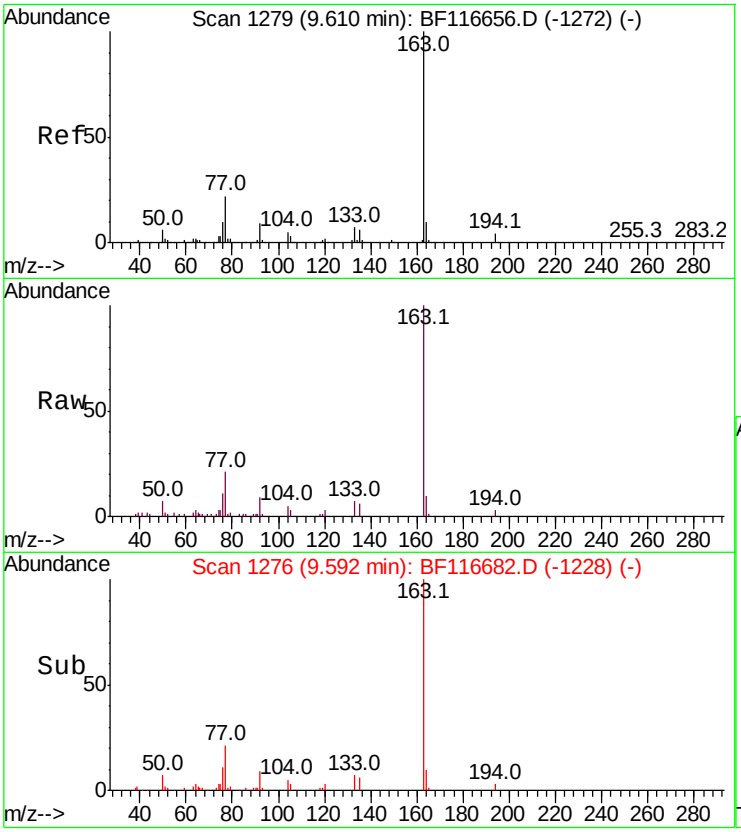


#45
2-Fluorobiphenyl
Concen: 14.039 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion:172 Resp: 181306

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.8	41.6
170	22.9	18.9	28.3

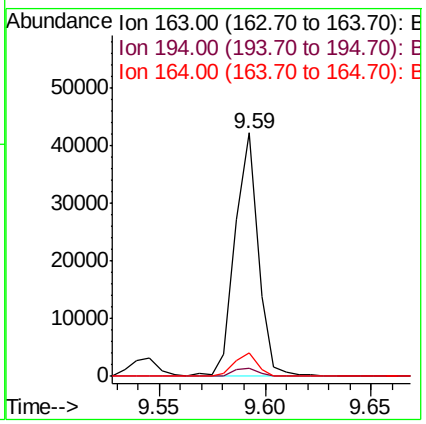




#50
Dimethylphthalate
Concen: 2.130 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion:163 Resp: 32028

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	9.7	8.6	12.8



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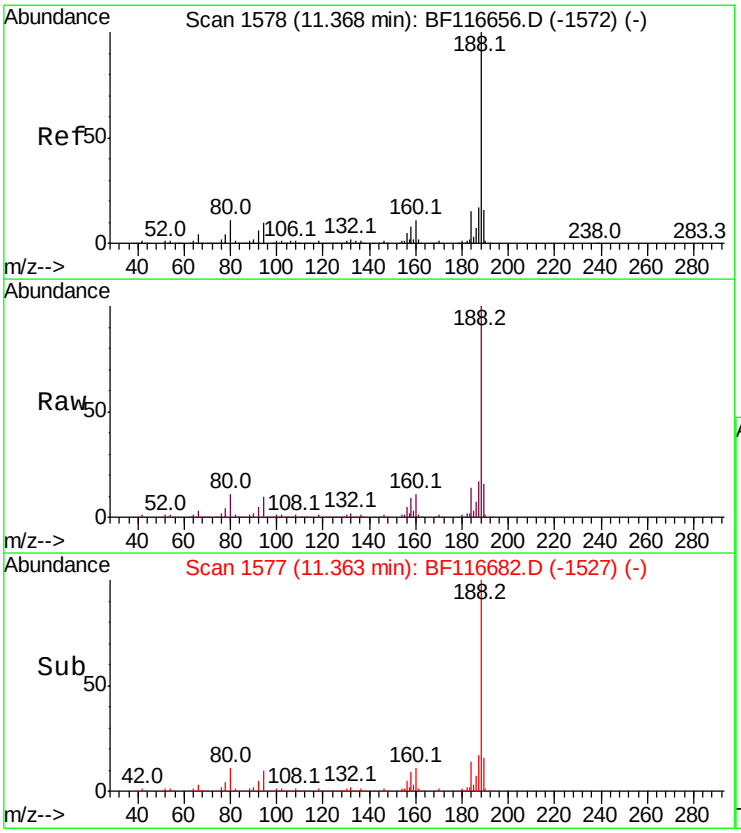
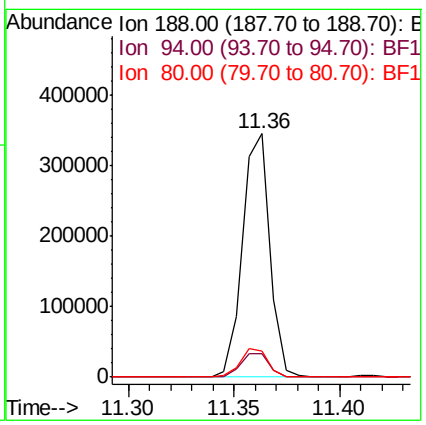
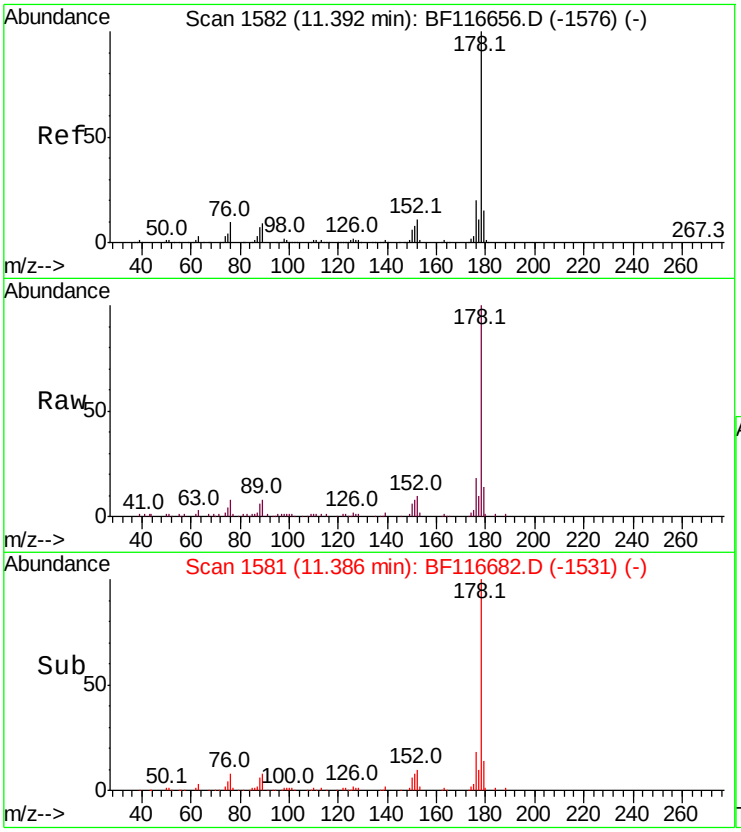


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion:188 Resp: 308598

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.3	10.9
80	10.8	8.4	12.6

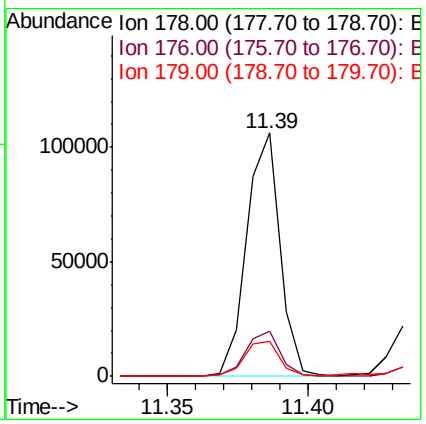




#71
Phenanthrene
Concen: 5.080 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion:178 Resp: 87267

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.0
179	14.4	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
T2-S-D

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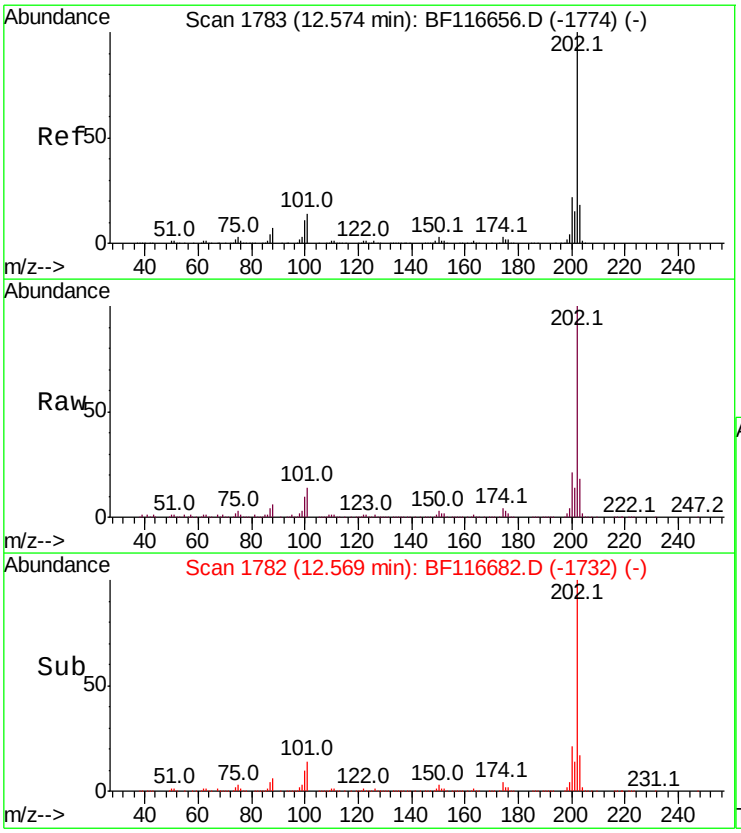
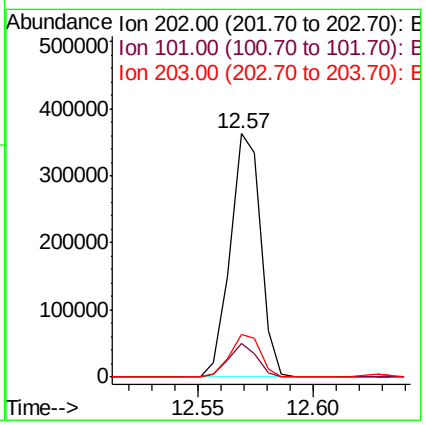
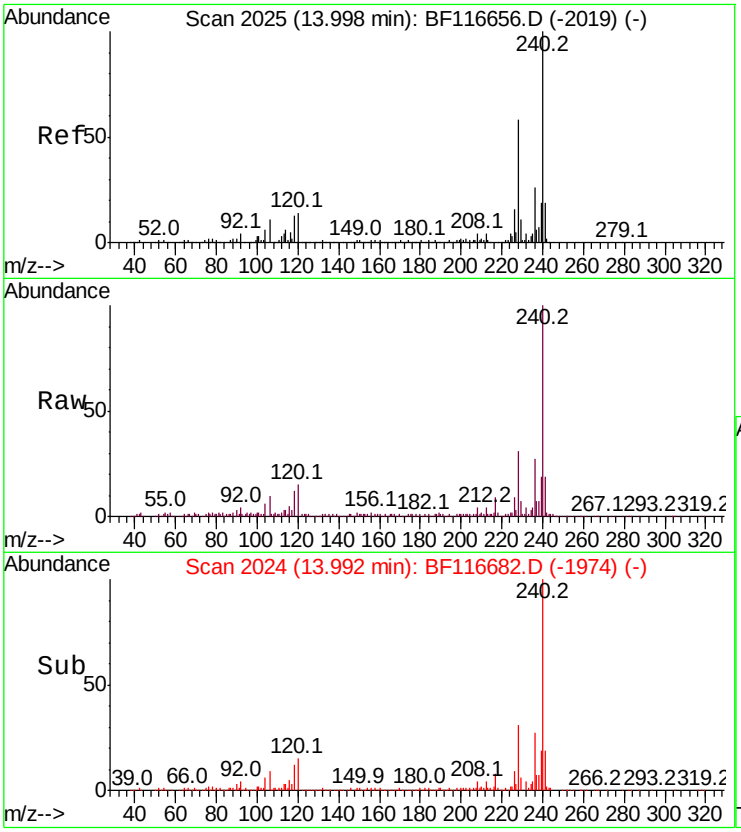


#75
Fluoranthene
Concen: 19.784 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion:202 Resp: 333996

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	31.3
203	17.6	0.0	37.6

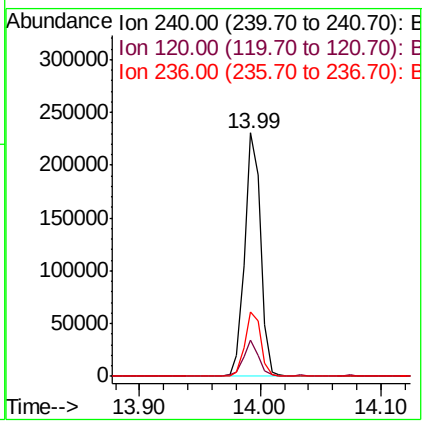




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion:240 Resp: 214823

Ion	Ratio	Lower	Upper
240	100		
120	14.7	9.1	13.7#
236	26.6	21.1	31.7



Instrument :
BNA_F
ClientSampleId :
T2-S-D

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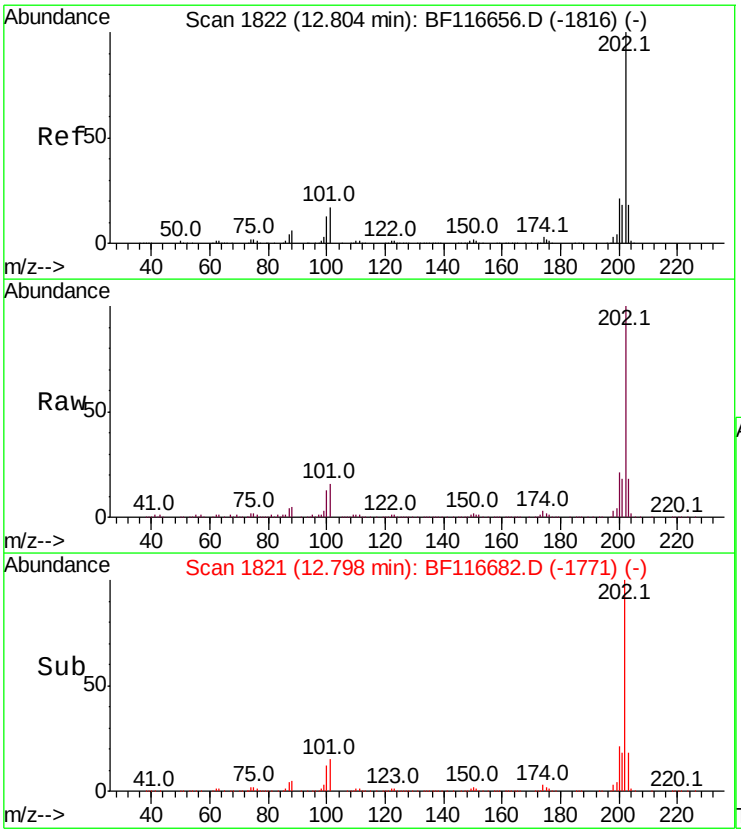
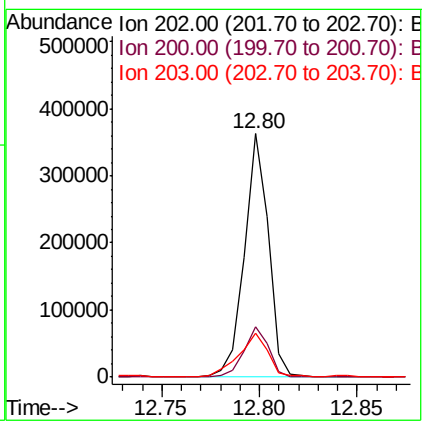
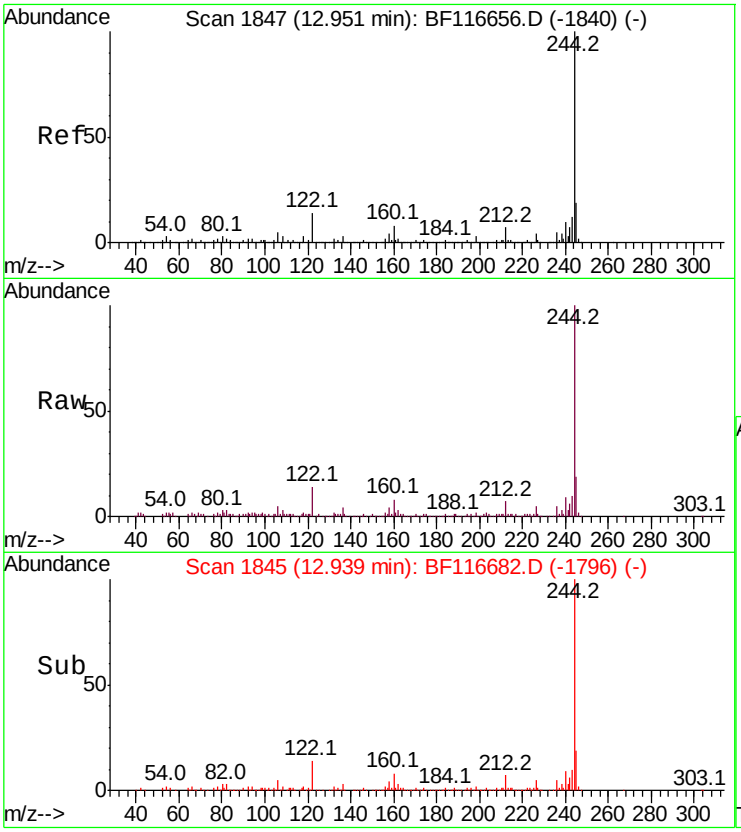


#78
Pyrene
Concen: 16.112 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion:202 Resp: 307678

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.5	24.7
203	18.1	13.7	20.5

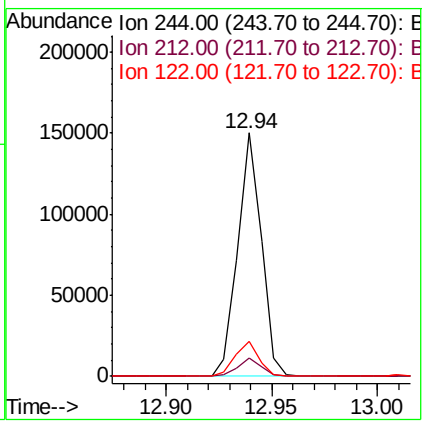




#79
Terphenyl-d14
Concen: 10.015 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion:244 Resp: 116294

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	14.1	10.2	15.4



Instrument :
BNA_F
ClientSampleId :
T2-S-D

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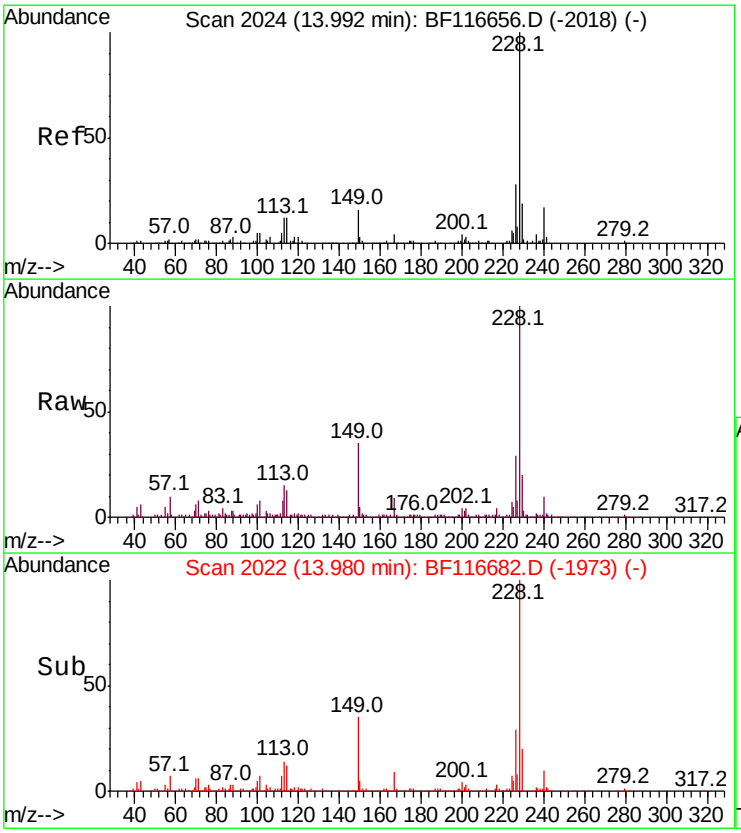
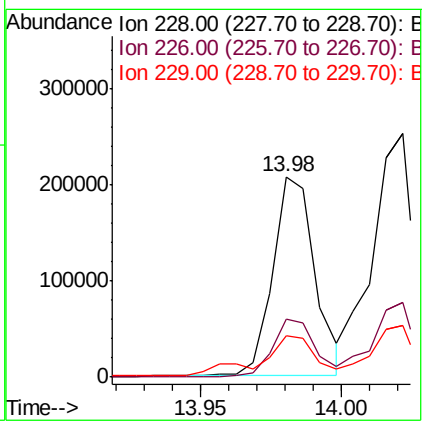
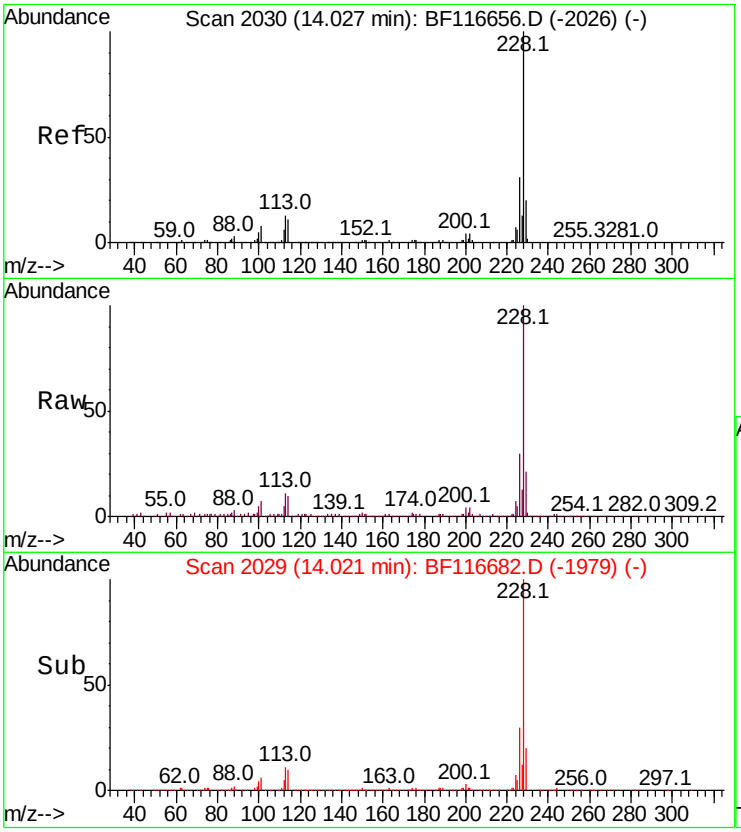


#81
Benzo(a)anthracene
Concen: 15.821 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion:228 Resp: 215108

Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.0	33.0
229	20.4	16.4	24.6





#83
Chrysene
Concen: 18.253 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion:228 Resp: 255682

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.0	36.0
229	21.0	15.4	23.0

Instrument :
BNA_F
ClientSampleId :
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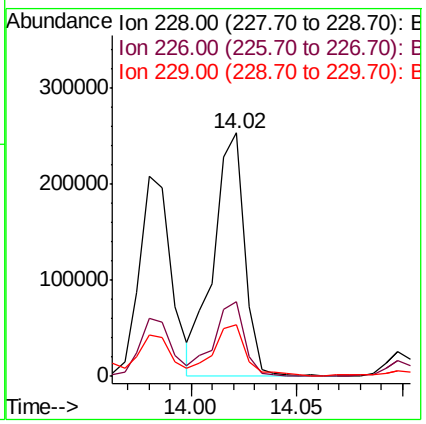
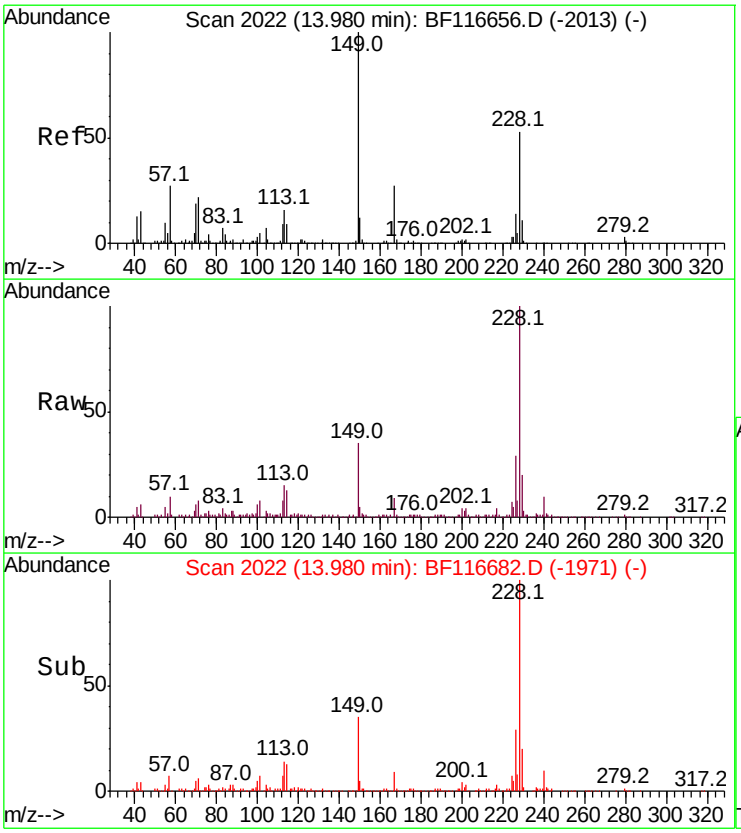
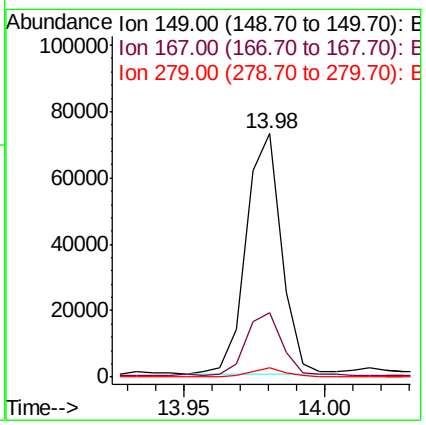


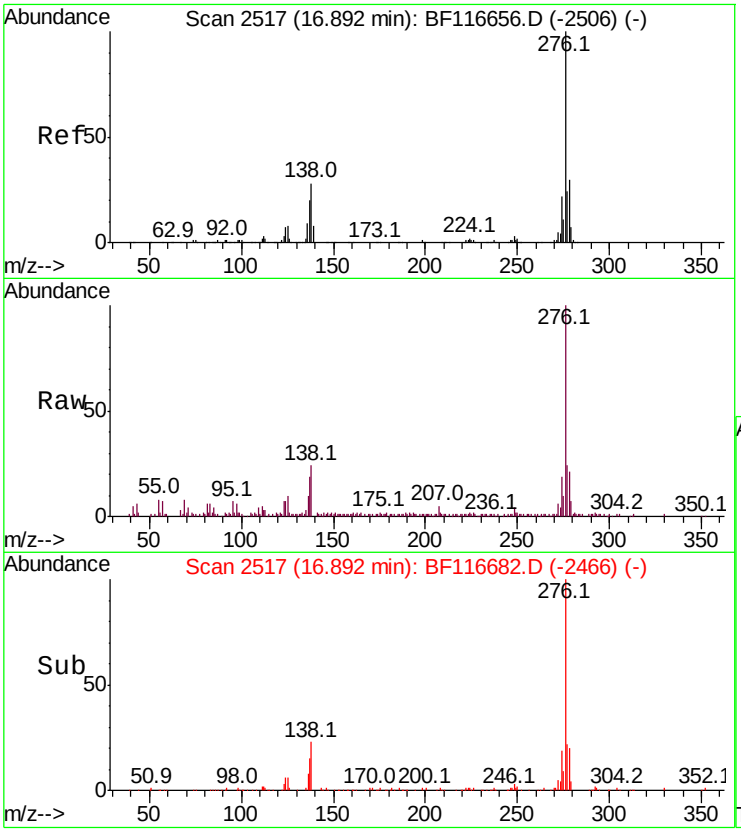


#84
Bis(2-ethylhexyl)phthalate
Concen: 5.499 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion:149 Resp: 63039

Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.0	31.4
279	3.6	2.8	4.2

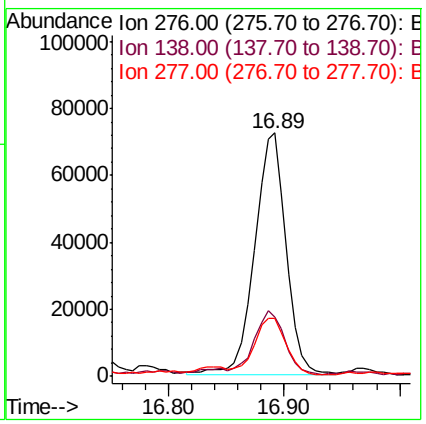




#86
Indeno(1,2,3-cd)pyrene
Concen: 12.100 ng
RT: 16.89 min Scan# 2517
Delta R.T. 0.00 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion:276 Resp: 136138

Ion	Ratio	Lower	Upper
276	100		
138	27.5	19.4	29.2
277	23.8	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
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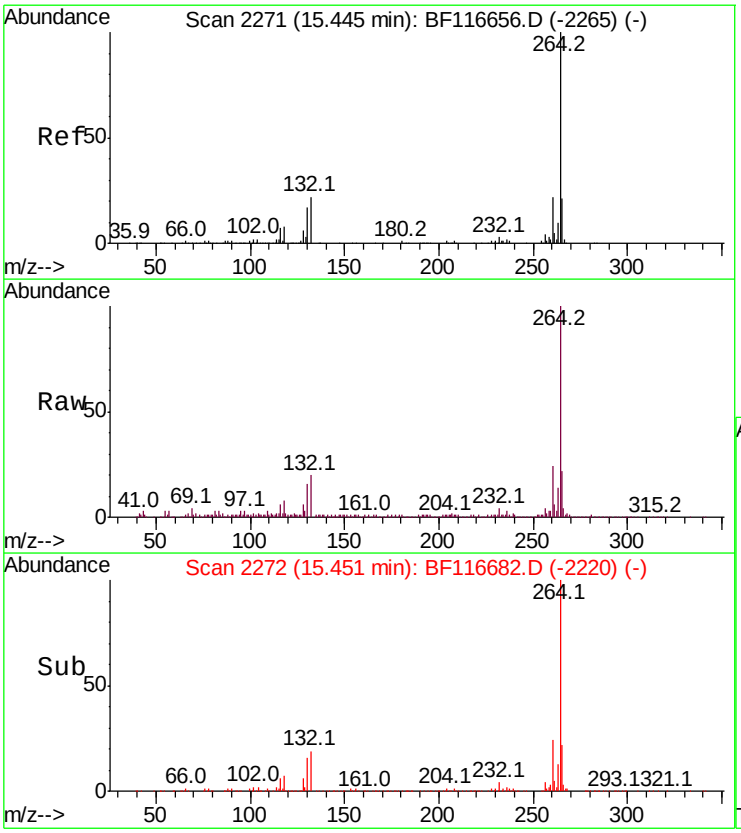
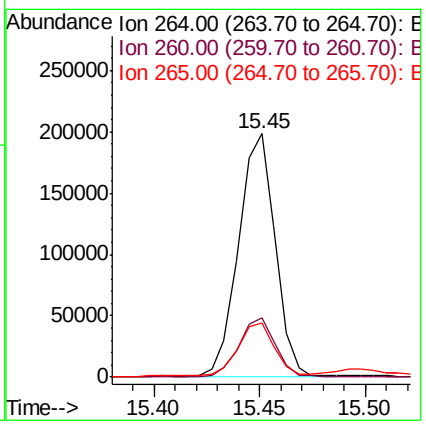
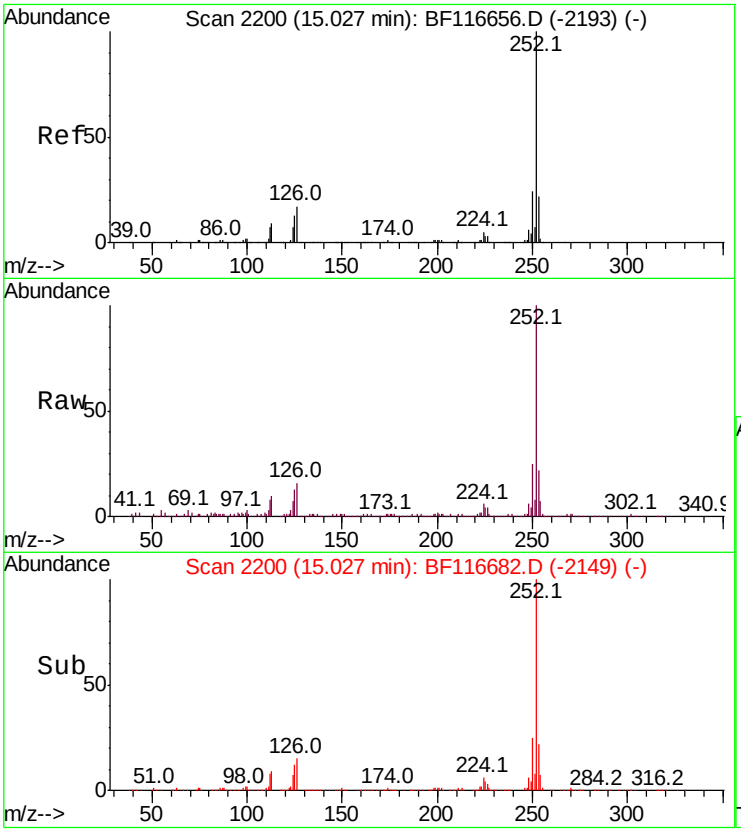


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion:264 Resp: 237396

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.3	27.5
265	22.2	16.5	24.7

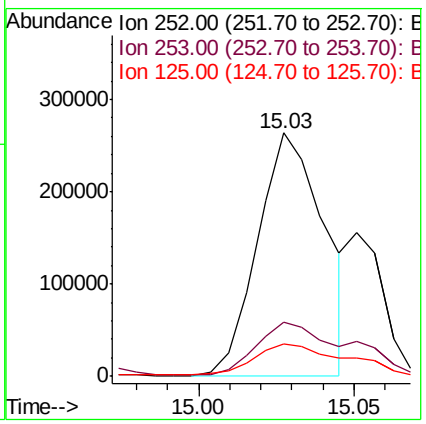




#88
Benzo(b)fluoranthene
Concen: 27.448 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion:252 Resp: 393951

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	13.4	8.2	12.2#



Instrument :
BNA_F
ClientSampleId :
T2-S-D

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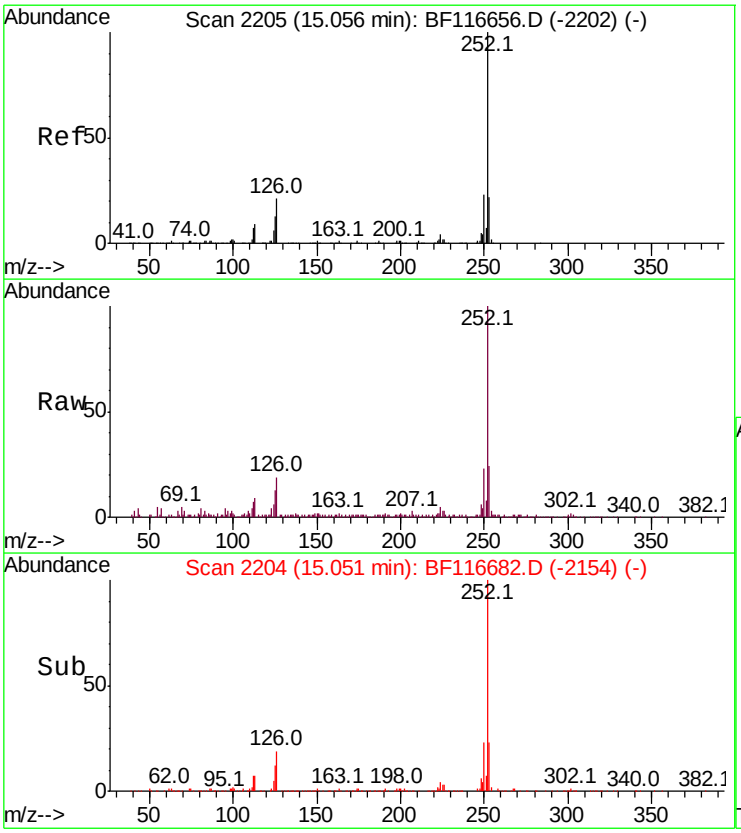
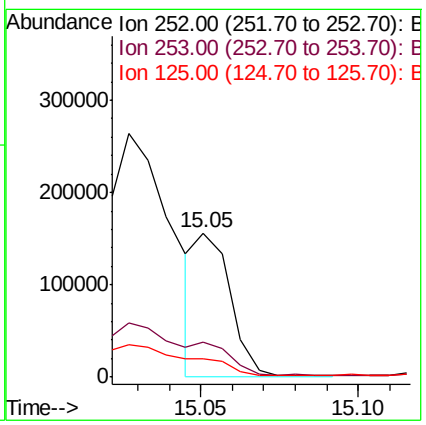
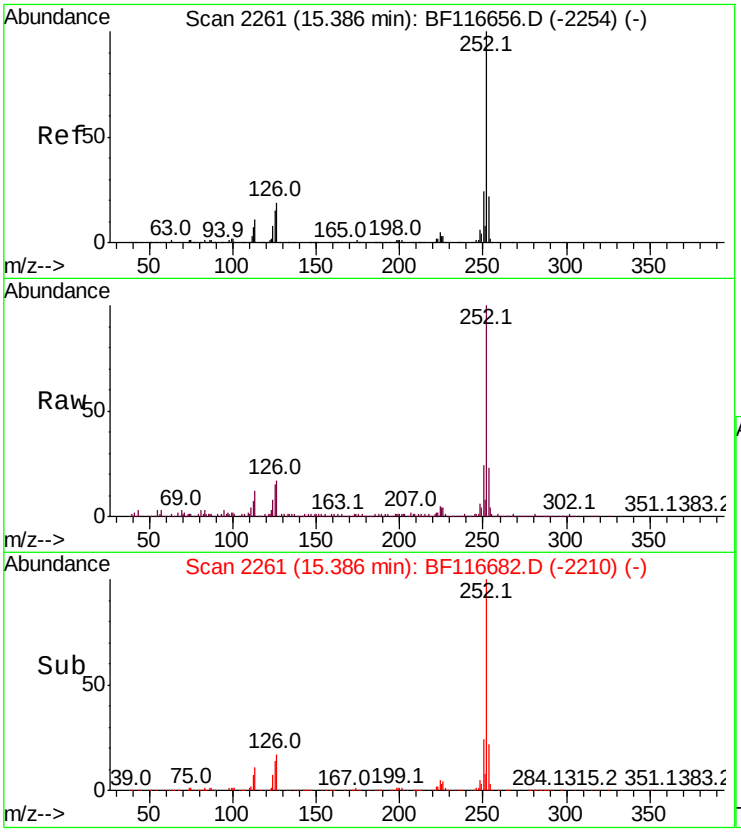


#89
Benzo(k)fluoranthene
Concen: 9.283 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion:252 Resp: 121481

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.7	26.5
125	12.9	8.6	13.0





#90
Benzo(a)pyrene
Concen: 19.926 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion:252 Resp: 248811

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	14.6	9.8	14.8

Instrument :
BNA_F
ClientSampleId :
T2-S-D

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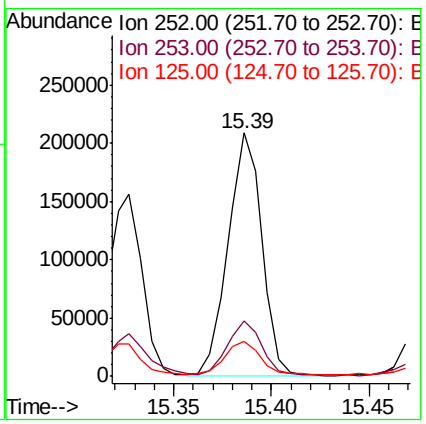
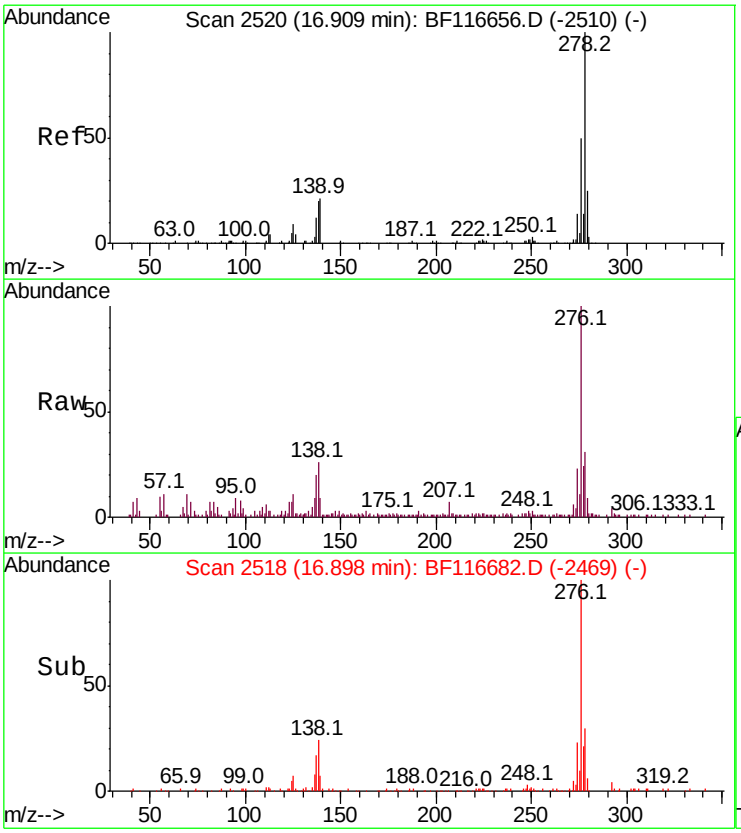
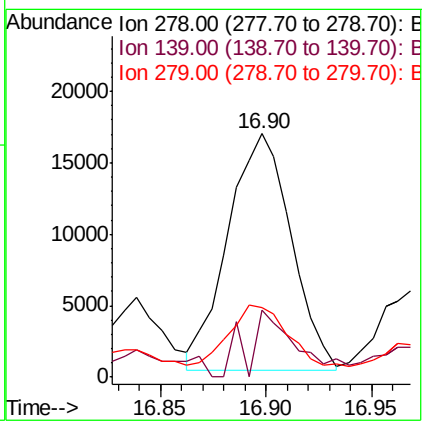


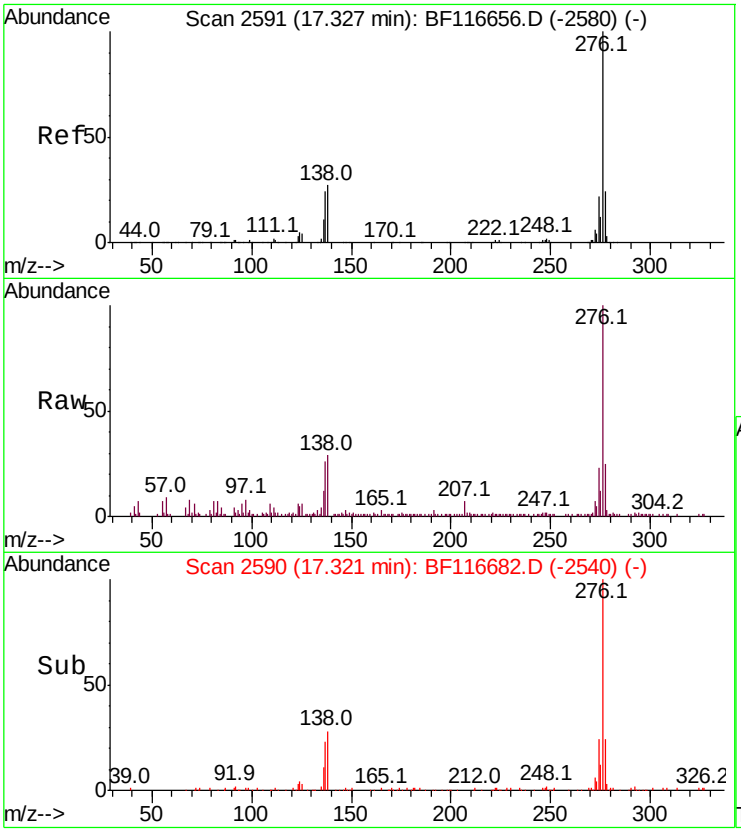


#91
Dibenzo(a,h)anthracene
Concen: 3.160 ng
RT: 16.90 min Scan# 2518
Delta R.T. -0.01 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion:278 Resp: 34542

Ion	Ratio	Lower	Upper
278	100		
139	27.4	12.4	18.6#
279	28.6	18.2	27.4#

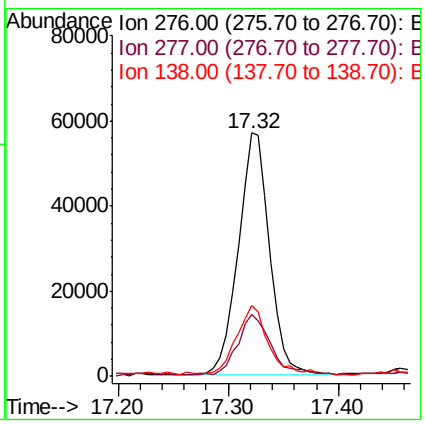




#92
Benzo(g,h,i)perylene
Concen: 10.127 ng
RT: 17.32 min Scan# 2590
Delta R.T. -0.01 min
Lab File: BF116682.D
Acq: 31 Aug 2019 6:01

Tgt Ion:276 Resp: 112882

Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.5	27.7
138	29.3	16.2	24.2#



Instrument :
BNA_F
ClientSampleId :
T2-S-D

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