Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115905.D
Acq On : 1 Aug 2019 14:05
Operator : HP/JU
Sample : K4066-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1-A

Manual Integrations APPROVED
mohammad
8/5/2019 1:48:01 PM

Quant Time: Aug 01 18:23:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 15:31:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	151687	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	575773	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	290421	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	438349	20.00	ng	0.00
76) Chrysene-d12	14.02	240	295356	20.00	ng	0.00
87) Perylene-d12	15.50	264	365393	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1085183	119.76	ng	0.01
7) Phenol-d6	6.49	99	1421854	124.37	ng	0.00
23) Nitrobenzene-d5	7.42	82	920214	92.25	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	305774	108.60	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1417550	91.43	ng	0.00
79) Terphenyl-d14	12.97	244	1150365	82.07	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.60	163	238518	12.062	ng	99
71) Phenanthrene	11.40	178	476097	21.245	ng	99
72) Anthracene	11.46	178	101682	4.483	ng	98
75) Fluoranthene	12.60	202	717988	30.604	ng	100
78) Pyrene	12.83	202	689548	30.971	ng	99
81) Benzo(a)anthracene	14.02	228	391157	20.720	ng	95
83) Chrysene	14.05	228	352792	19.249	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	202120	13.130	ng	96
88) Benzo(b)fluoranthene	15.07	252	542482m	25.677	ng	
89) Benzo(k)fluoranthene	15.09	252	144859m	7.039	ng	
90) Benzo(a)pyrene	15.43	252	382204	20.237	ng	99
91) Dibenzo(a,h)anthracene	16.97	278	57097m	3.493	ng	
92) Benzo(g,h,i)perylene	17.42	276	183980	11.459	ng	99

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

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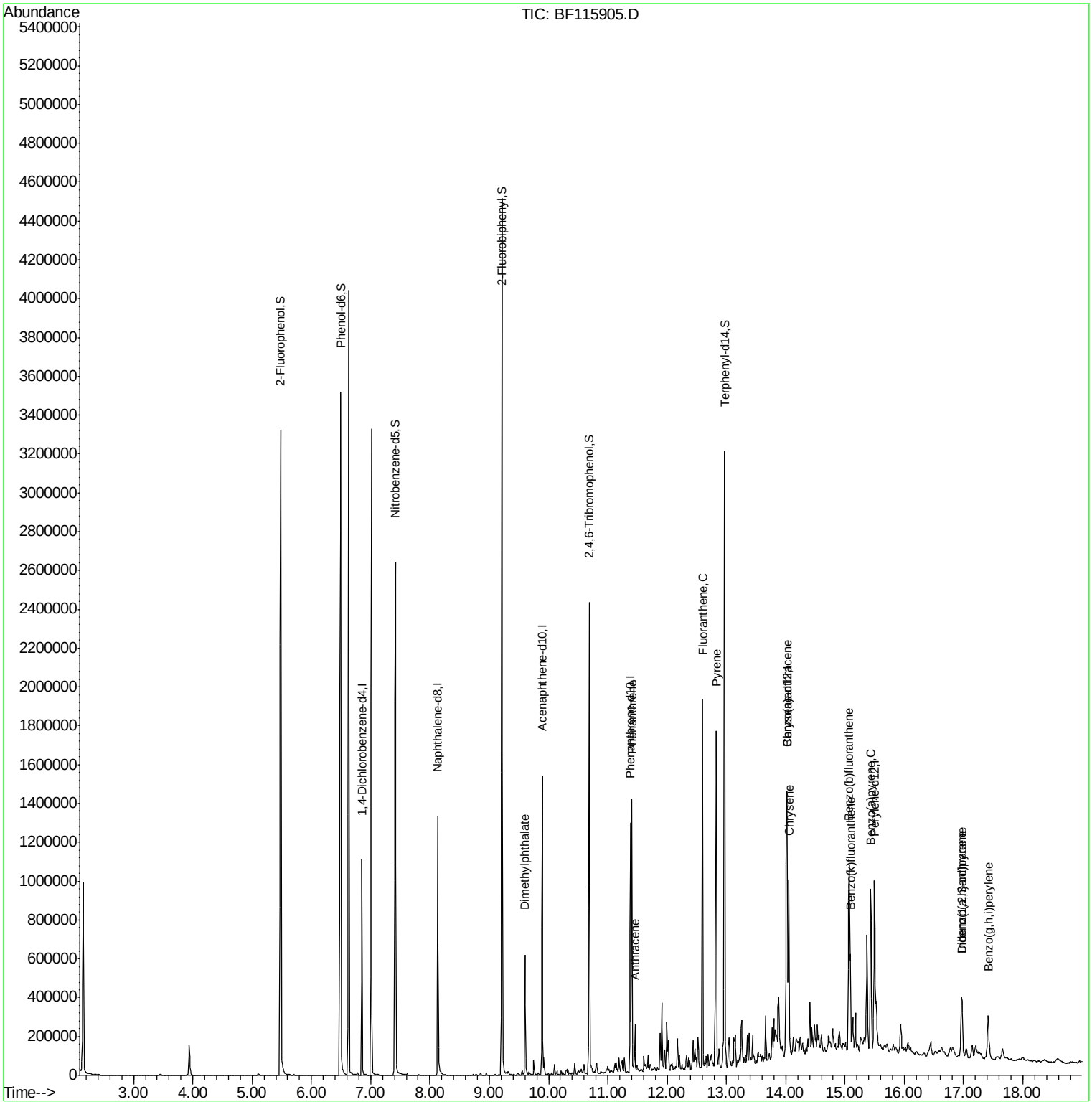
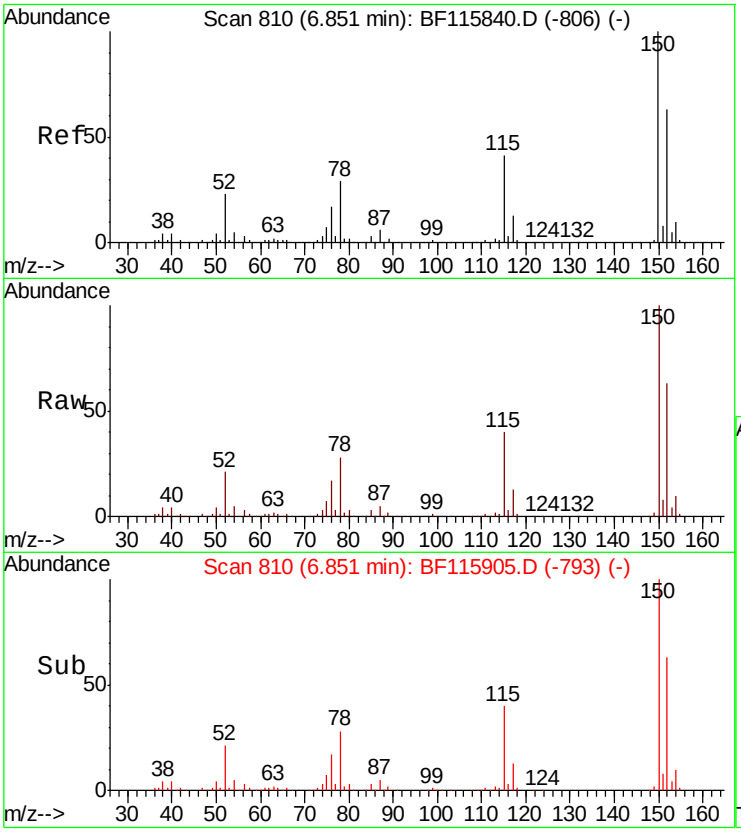
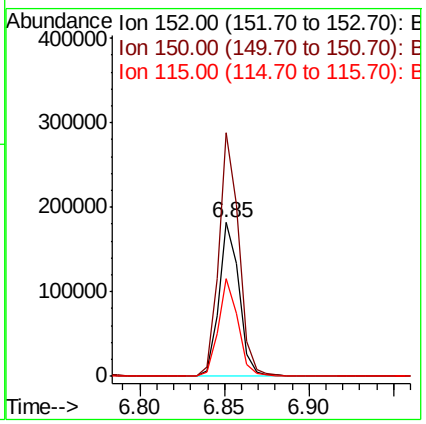




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion:152 Resp: 151687

Ion	Ratio	Lower	Upper
152	100		
150	158.7	127.4	191.0
115	63.5	51.8	77.8



Instrument :
BNA_F
ClientSampleId :
TP-1-A

Manual Integrations APPROVED
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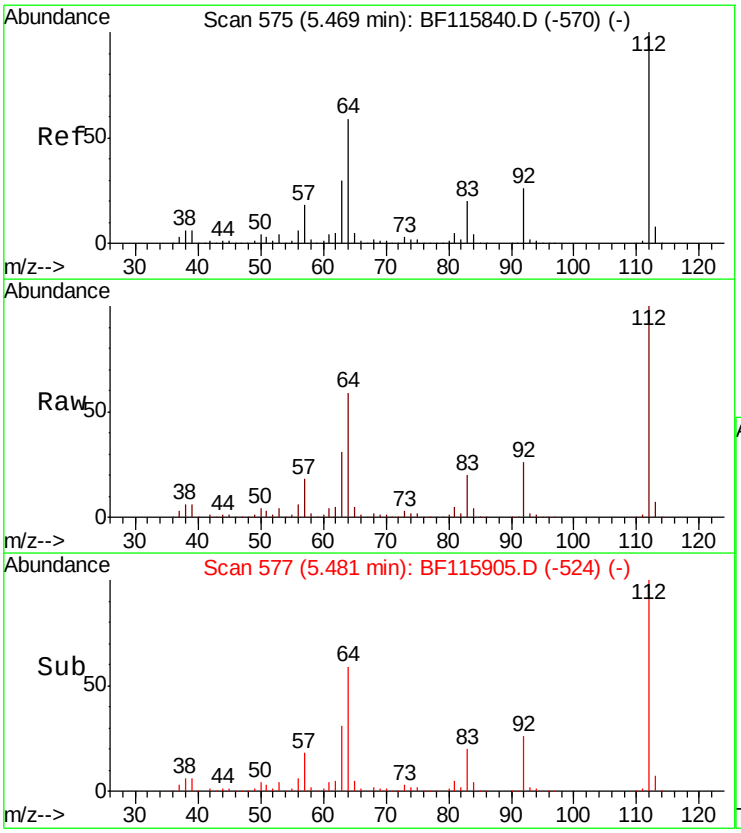
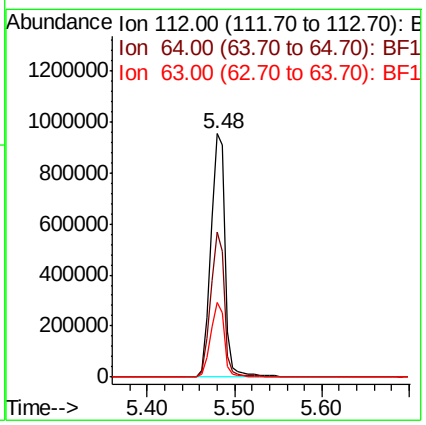
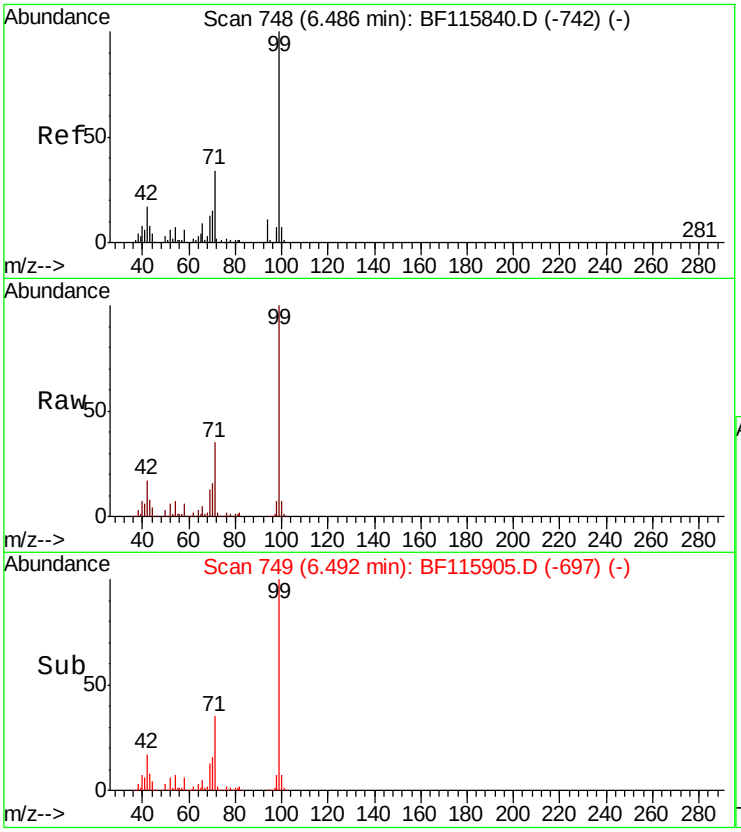


#5
2-Fluorophenol
Concen: 119.764 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion:112 Resp: 1085183

Ion	Ratio	Lower	Upper
112	100		
64	59.3	46.8	70.2
63	30.5	24.2	36.2

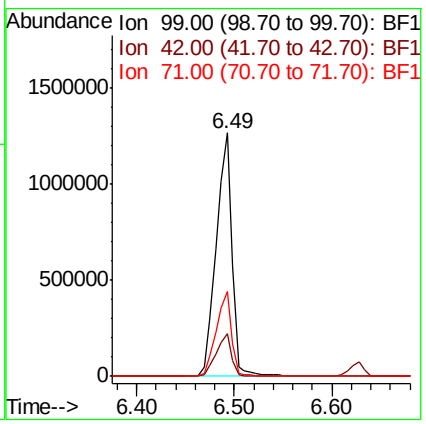




#7
Phenol-d6
Concen: 124.374 ng
RT: 6.49 min Scan# 749
Delta R.T. 0.01 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion: 99 Resp: 1421854

Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.8	20.6
71	34.9	27.1	40.7



Instrument :
BNA_F
ClientSampleId :
TP-1-A

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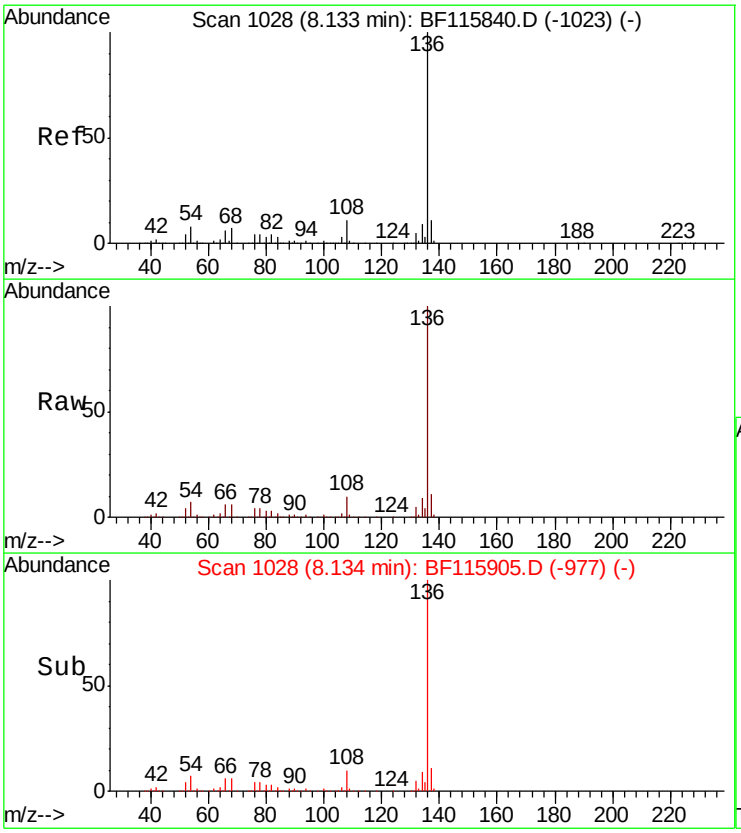
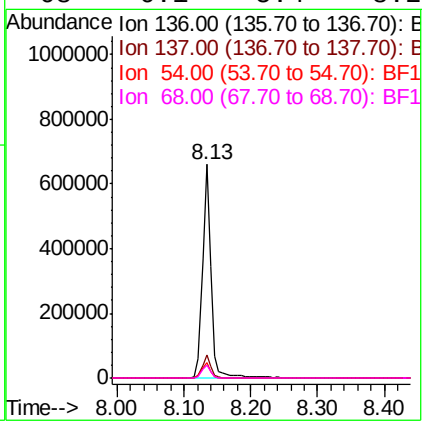
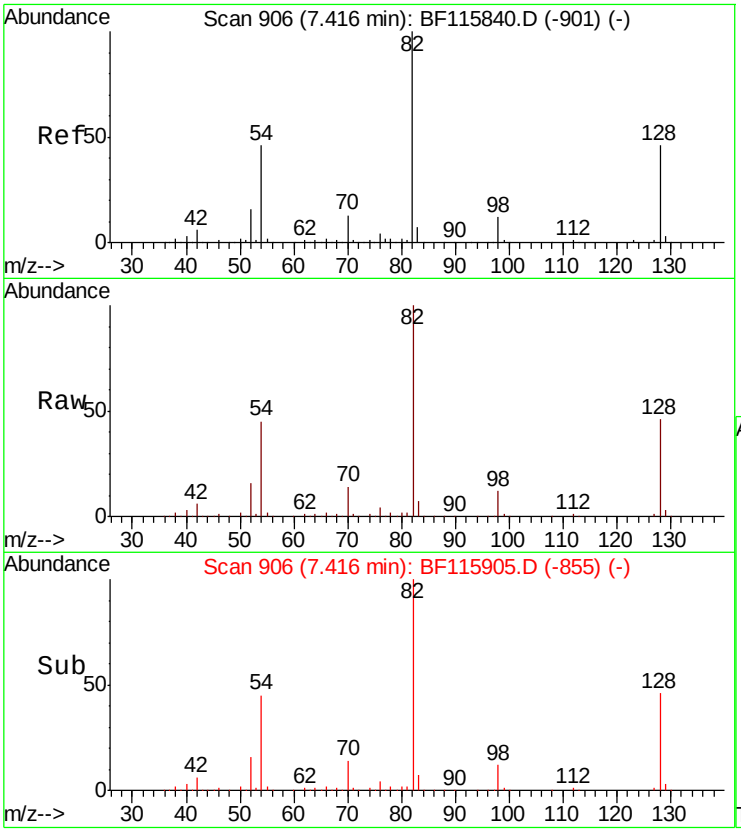


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion:136 Resp: 575773

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	7.0	6.1	9.1
68	6.1	5.4	8.2

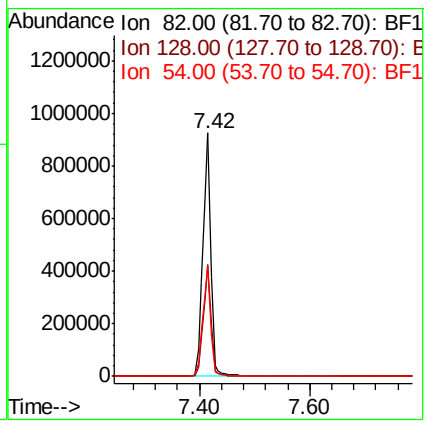




#23
Nitrobenzene-d5
Concen: 92.254 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion: 82 Resp: 920214

Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.6	55.0
54	45.5	36.6	55.0



Instrument :
BNA_F
ClientSampleId :
TP-1-A

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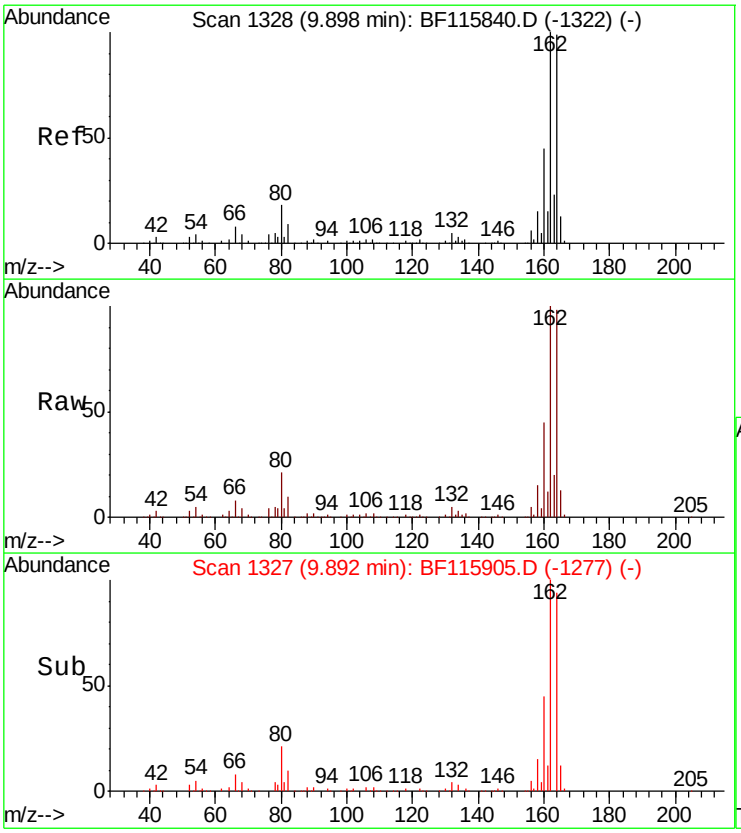
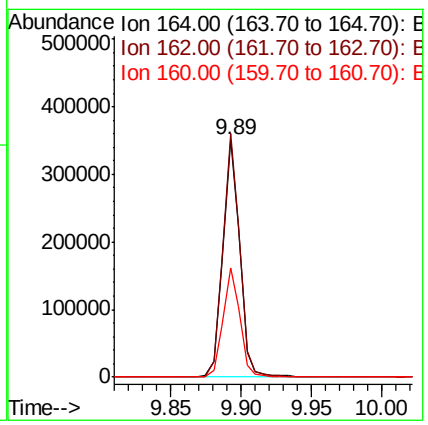
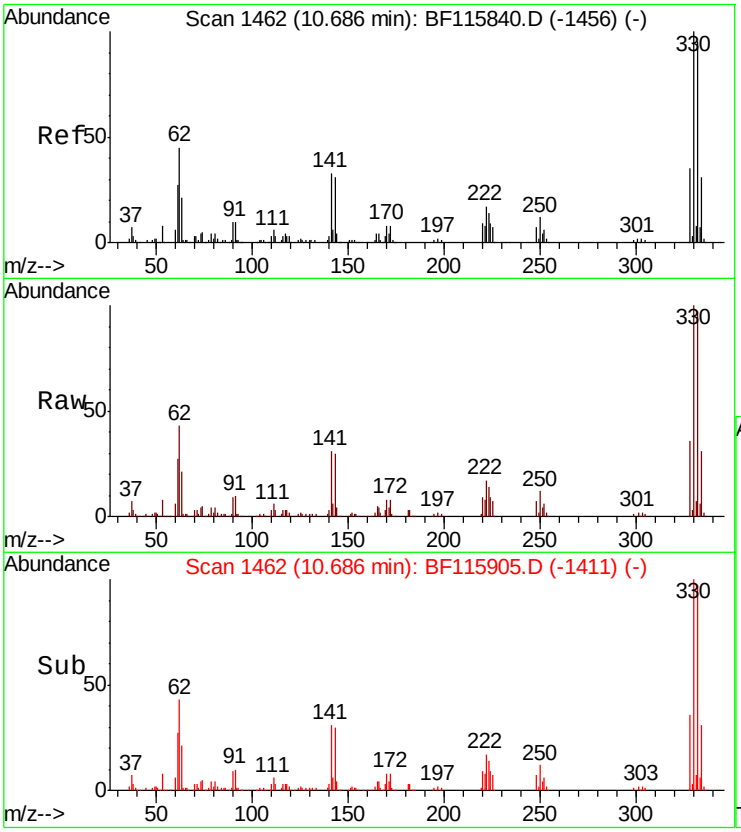


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion:164 Resp: 290421

Ion	Ratio	Lower	Upper
164	100		
162	102.6	80.8	121.2
160	46.0	36.2	54.4

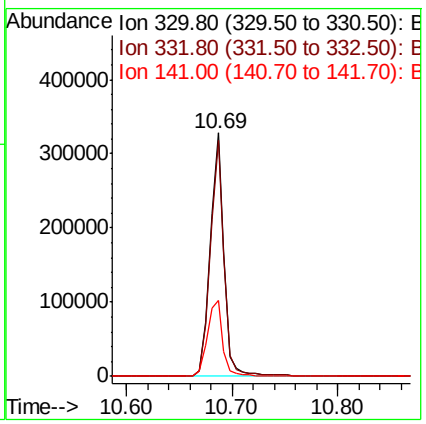




#42
2,4,6-Tribromophenol
Concen: 108.596 ng
RT: 10.69 min Scan# 1462
Delta R.T. 0.00 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion:330 Resp: 305774

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.7	116.5
141	34.7	28.1	42.1



Instrument :
BNA_F
ClientSampleId :
TP-1-A

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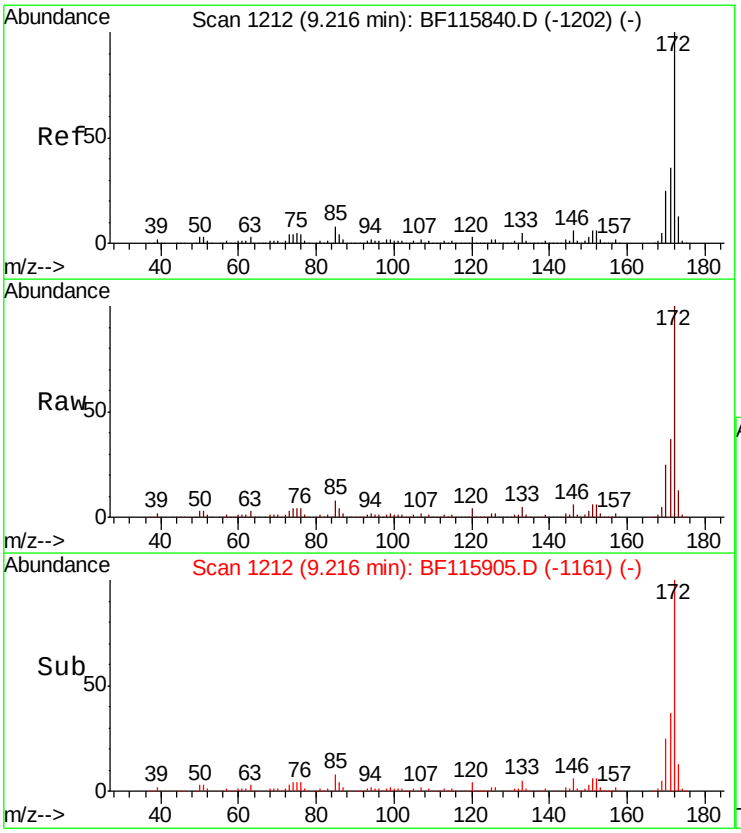
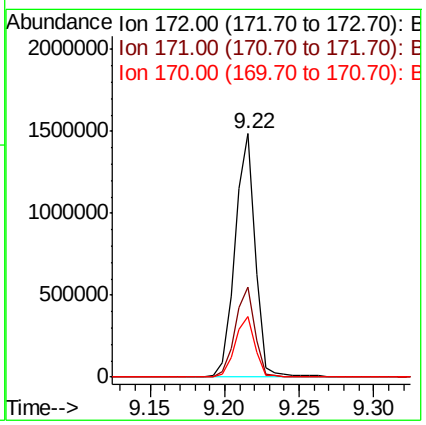
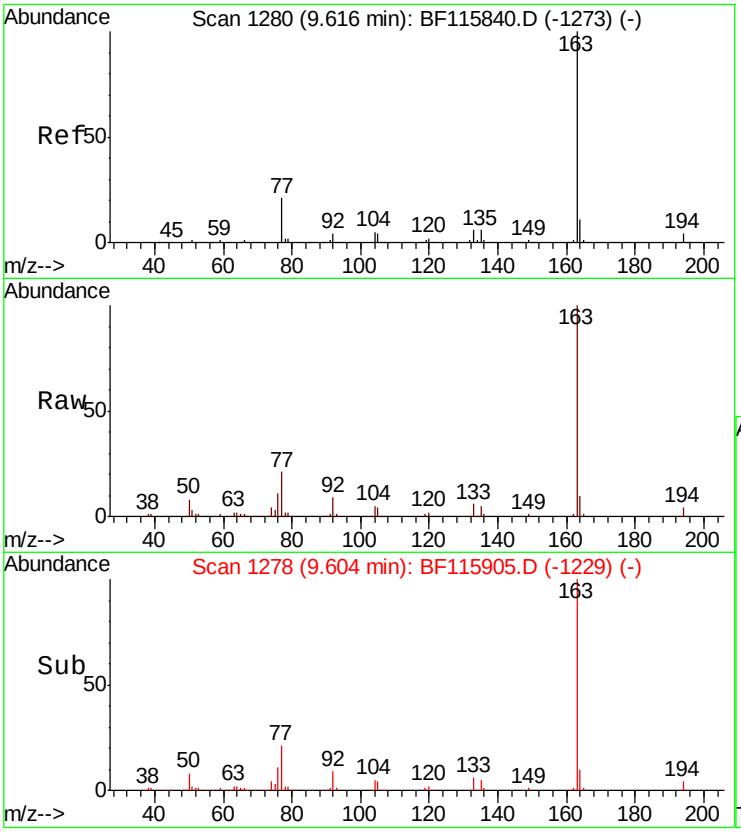


#45
2-Fluorobiphenyl
Concen: 91.425 ng
RT: 9.22 min Scan# 1212
Delta R.T. 0.00 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion:172 Resp: 1417550

Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.1	43.7
170	24.9	20.1	30.1

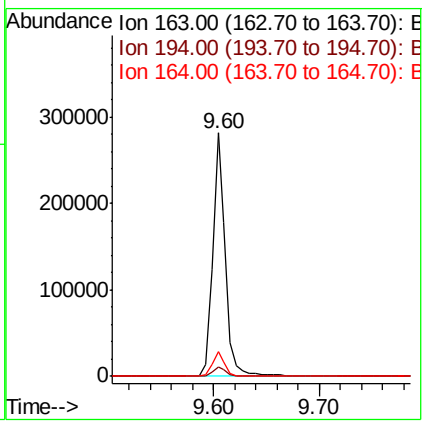




#50
Dimethylphthalate
Concen: 12.062 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion:163 Resp: 238518

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	10.0	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
TP-1-A

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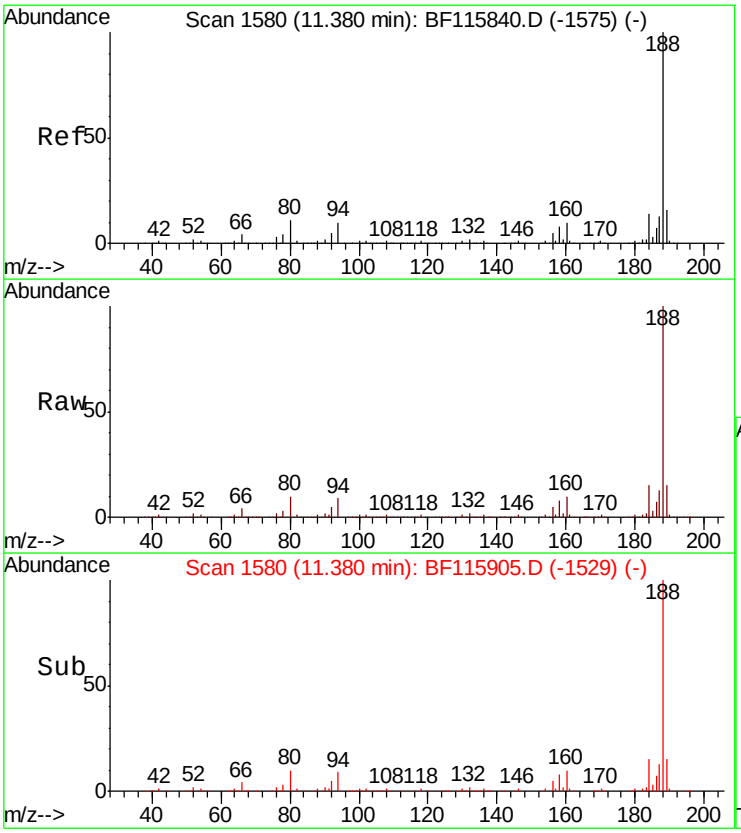
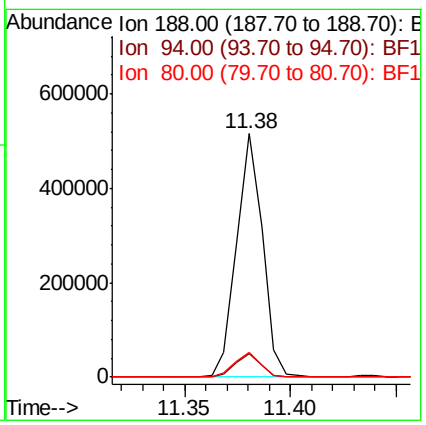
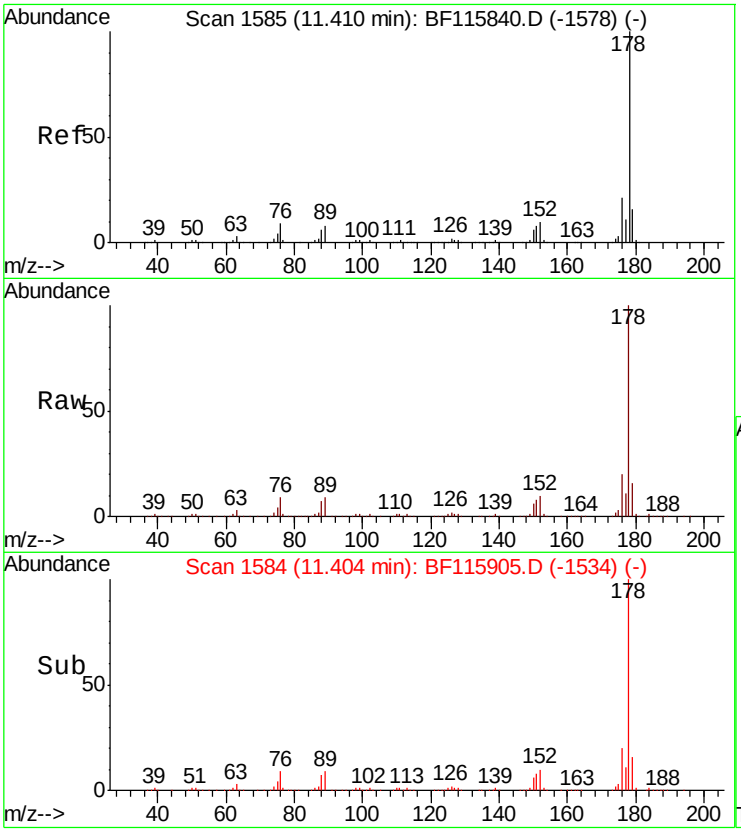


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion:188 Resp: 438349

Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.0	12.0
80	10.2	8.6	12.8

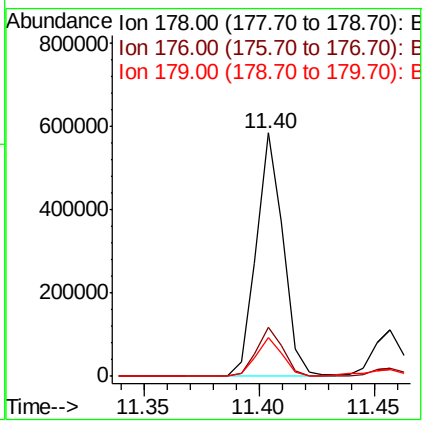




#71
Phenanthrene
Concen: 21.245 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion:178 Resp: 476097

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.5	24.7
179	15.8	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
TP-1-A

Manual Integrations APPROVED
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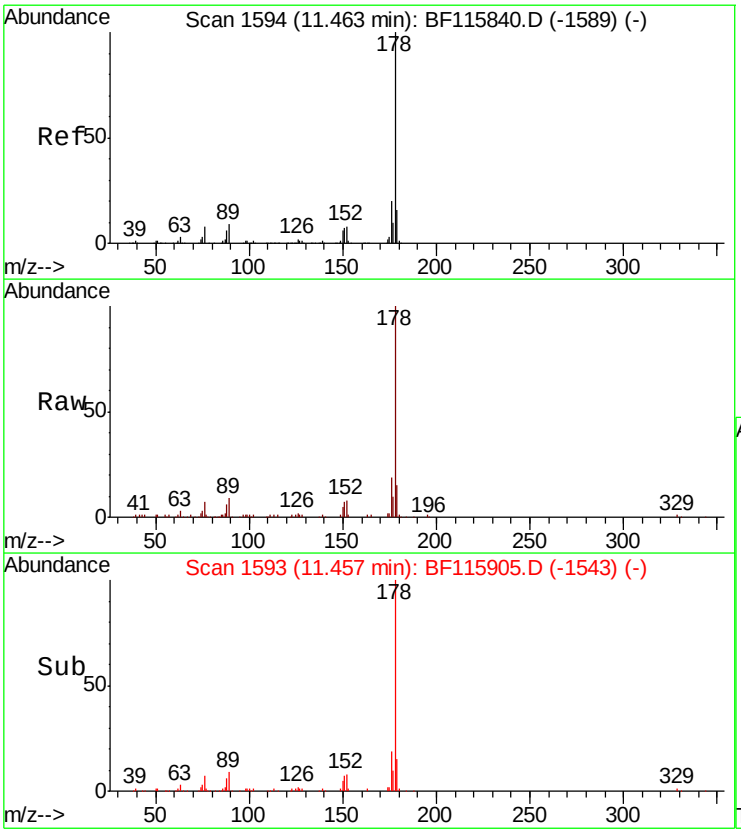
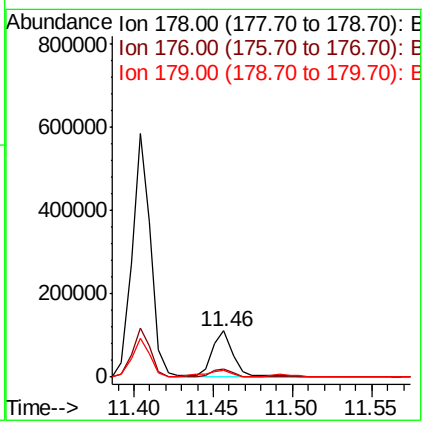
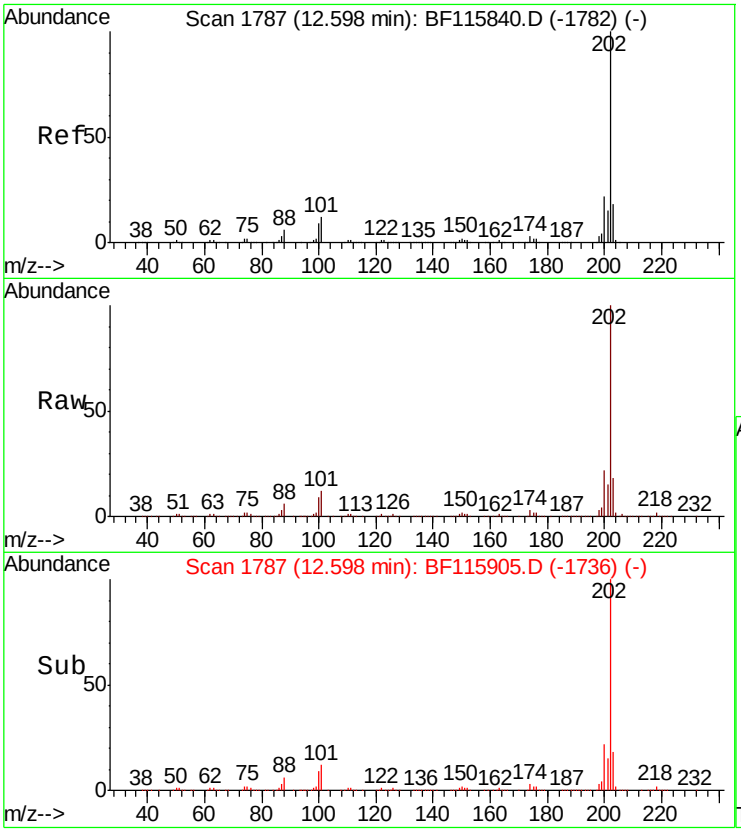


#72
Anthracene
Concen: 4.483 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion:178 Resp: 101682

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.7	23.5
179	14.8	12.4	18.6

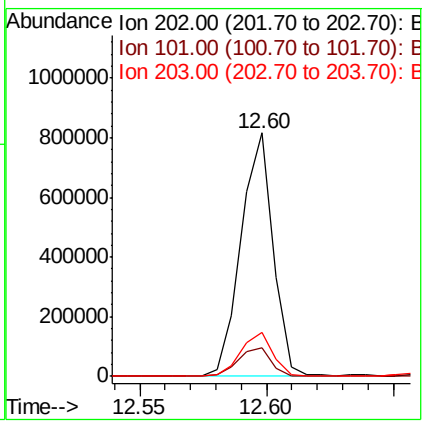




#75
Fluoranthene
Concen: 30.604 ng
RT: 12.60 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion:202 Resp: 717988

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.5
203	17.8	0.0	37.9



Instrument :
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ClientSampleId :
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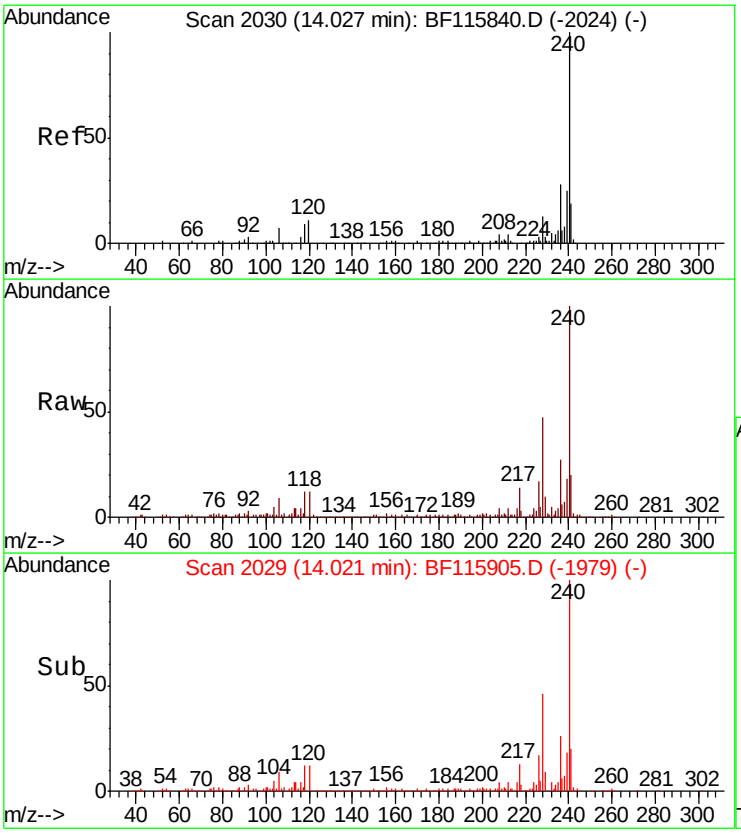
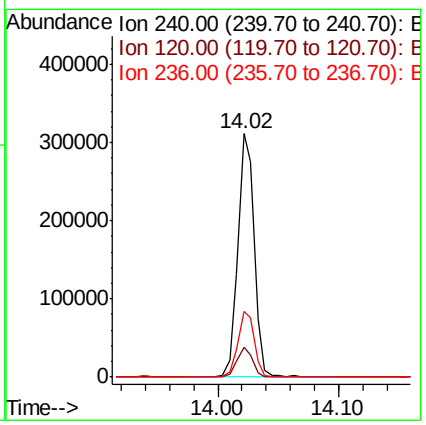
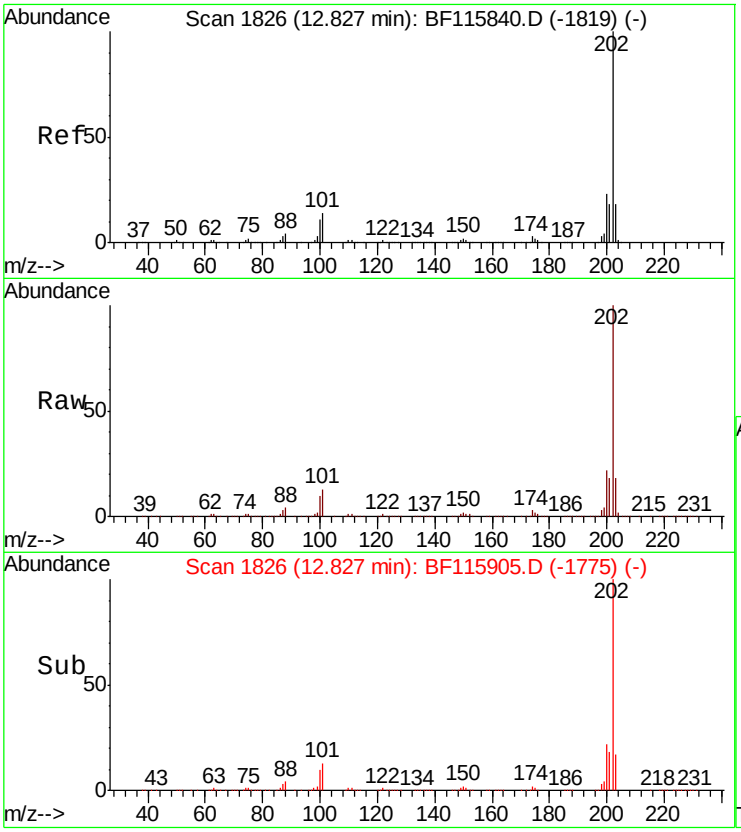


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion:240 Resp: 295356

Ion	Ratio	Lower	Upper
240	100		
120	12.0	8.5	12.7
236	26.8	22.2	33.2

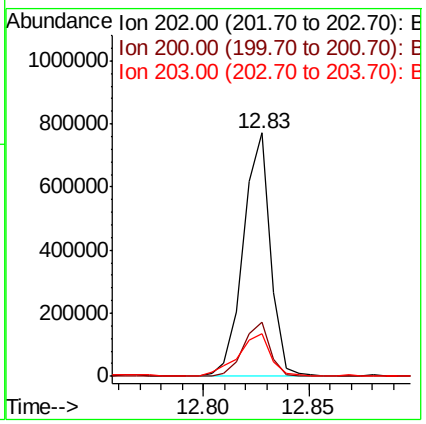




#78
Pyrene
Concen: 30.971 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion:202 Resp: 689548

Ion	Ratio	Lower	Upper
202	100		
200	22.2	18.2	27.2
203	17.7	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
TP-1-A

Manual Integrations APPROVED
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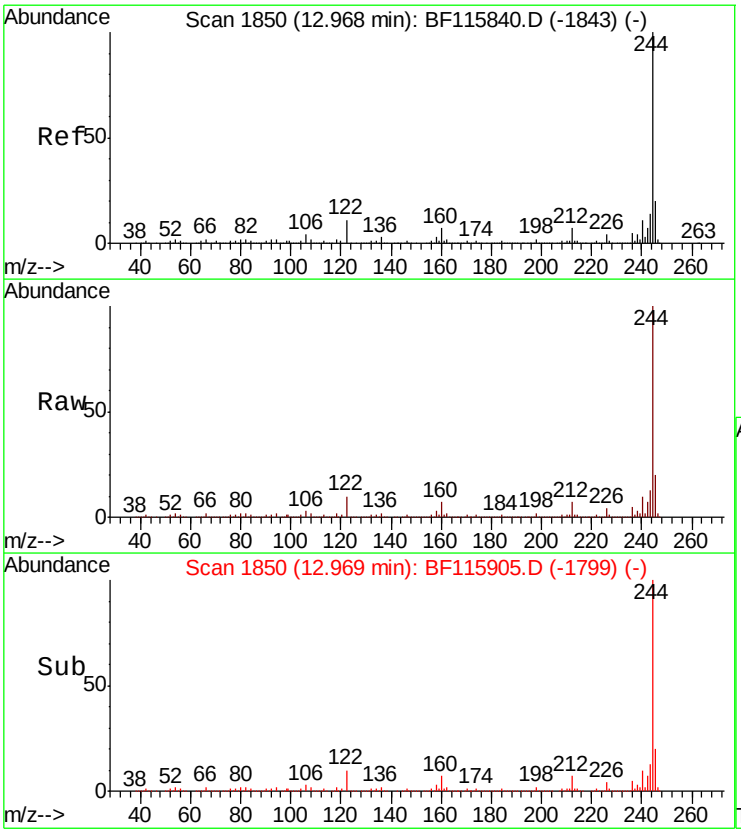
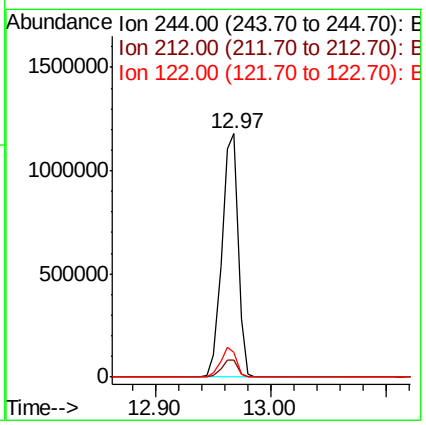
8/5/2019 1:48:01 PM

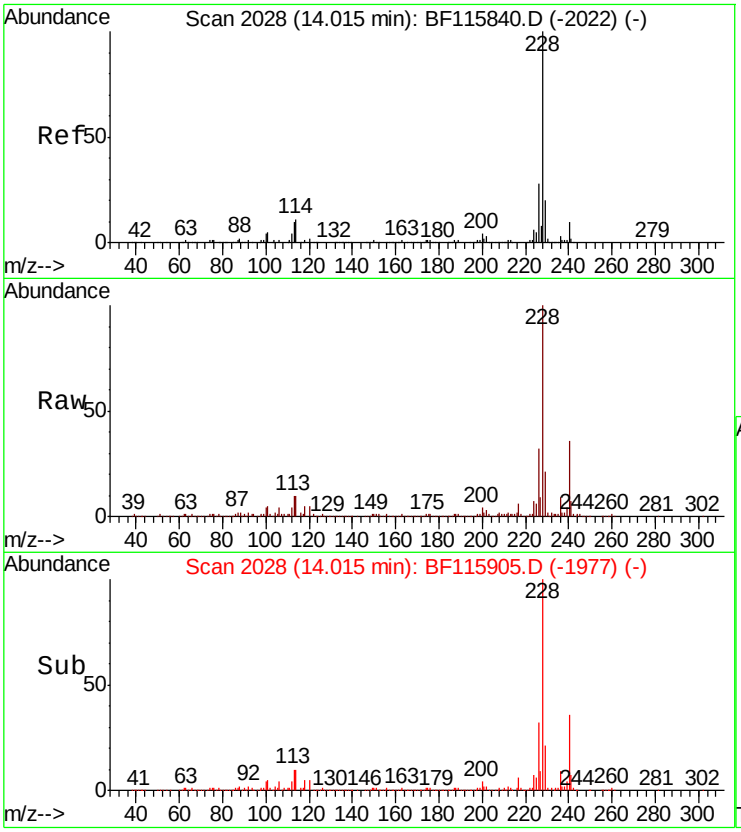


#79
Terphenyl-d14
Concen: 82.071 ng
RT: 12.97 min Scan# 1850
Delta R.T. 0.00 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion:244 Resp: 1150365

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.3	8.6	13.0





#81
Benzo(a)anthracene
Concen: 20.720 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion:228 Resp: 391157

Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.5	33.7
229	21.0	16.1	24.1

Instrument :
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ClientSampleId :
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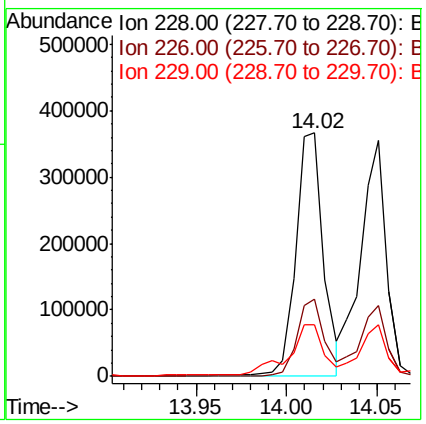
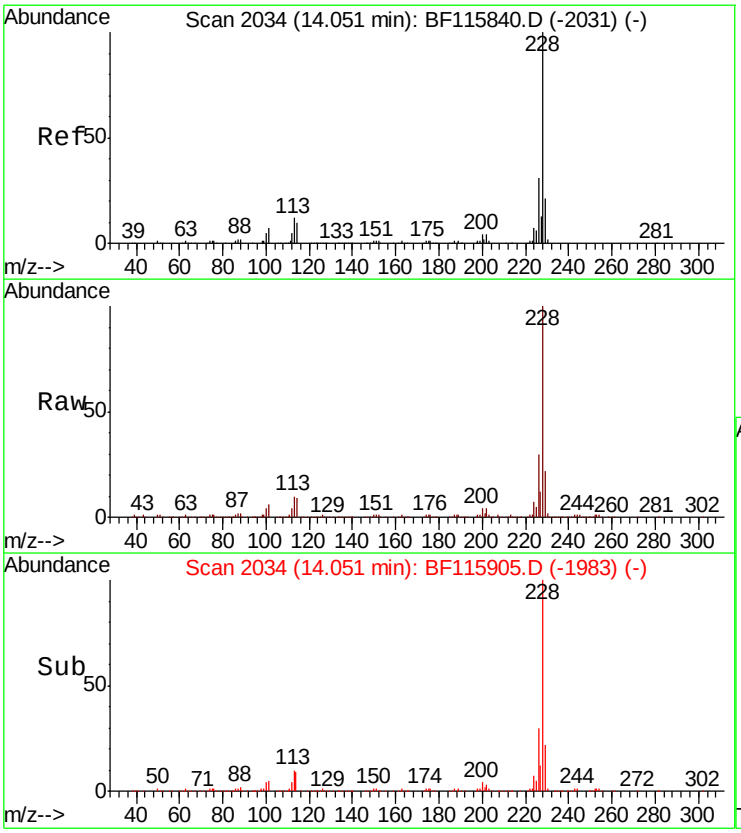
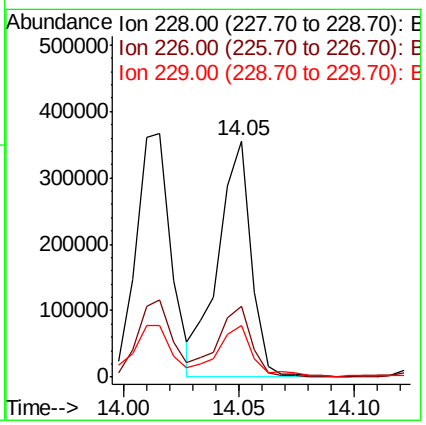


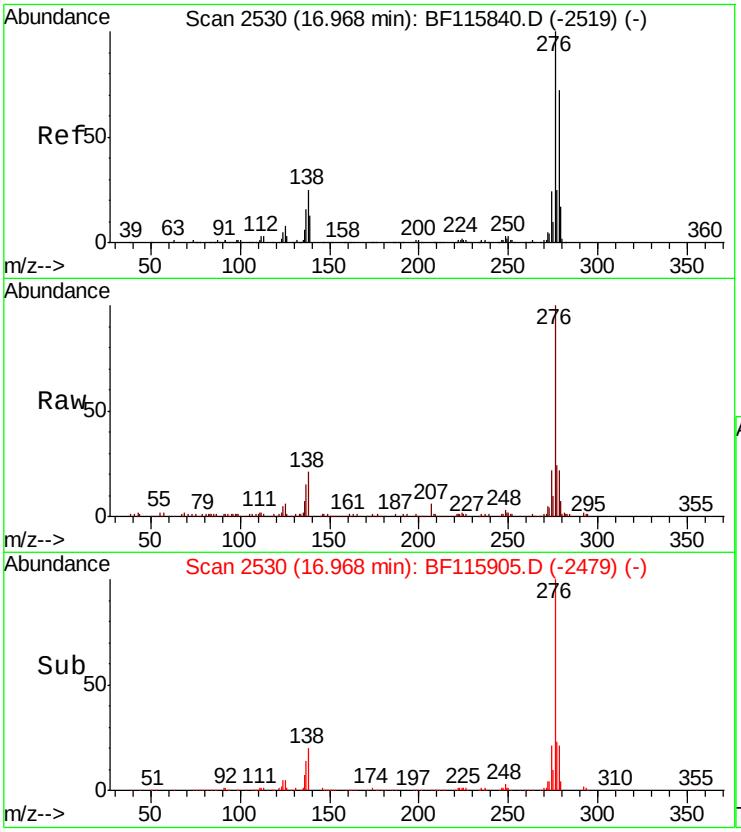


#83
Chrysene
Concen: 19.249 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion:228 Resp: 352792

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.8	37.2
229	22.1	16.4	24.6

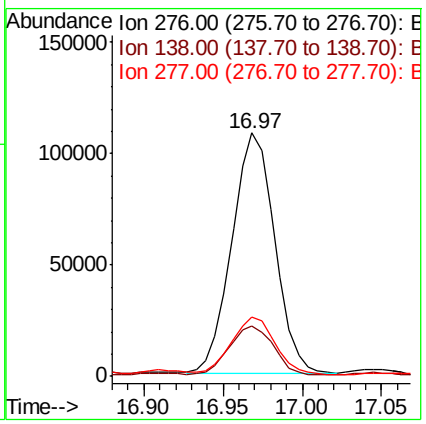




#86
Indeno(1,2,3-cd)pyrene
Concen: 13.130 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.00 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion:276 Resp: 202120

Ion	Ratio	Lower	Upper
276	100		
138	20.9	19.6	29.4
277	24.3	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
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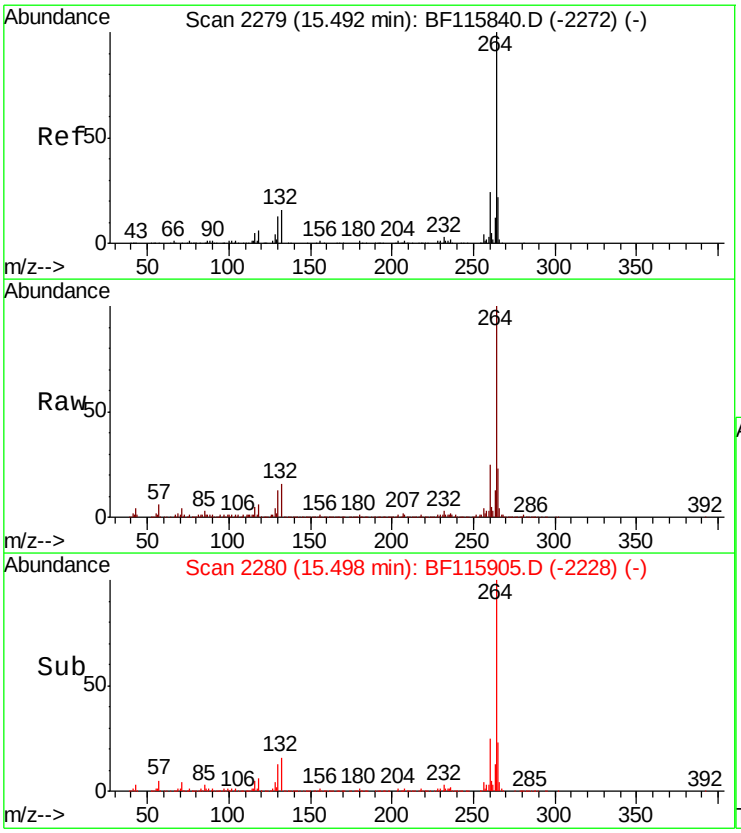
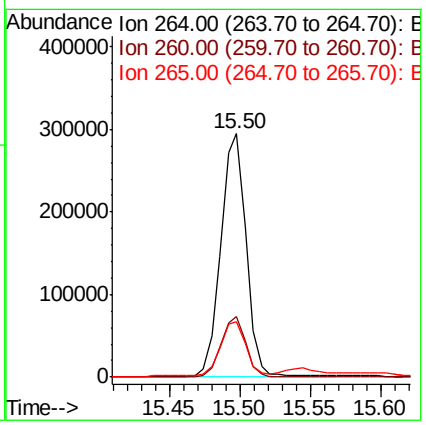
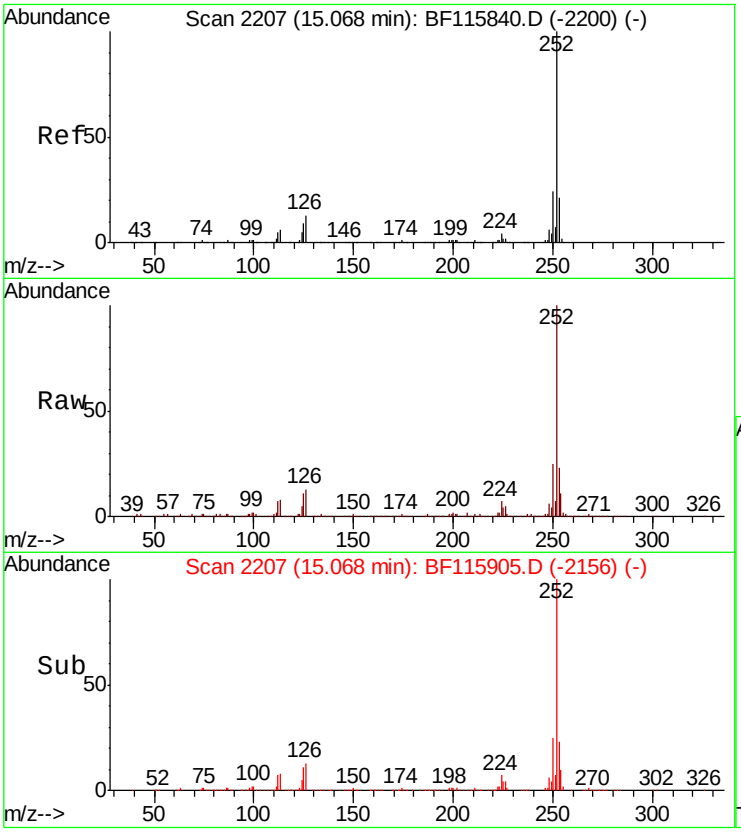


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion:264 Resp: 365393

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.4	29.2
265	22.9	17.5	26.3

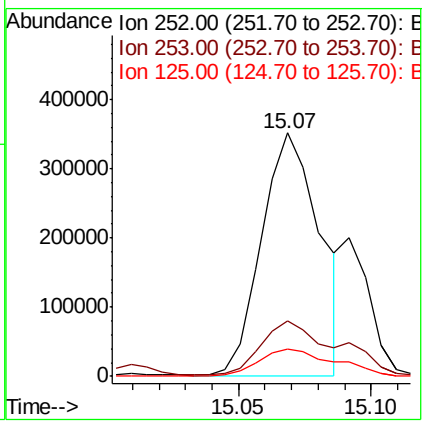




#88
Benzo(b)fluoranthene
Concen: 25.677 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion:252 Resp: 542482

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	11.3	7.4	11.0#



Instrument :
BNA_F
ClientSampleId :
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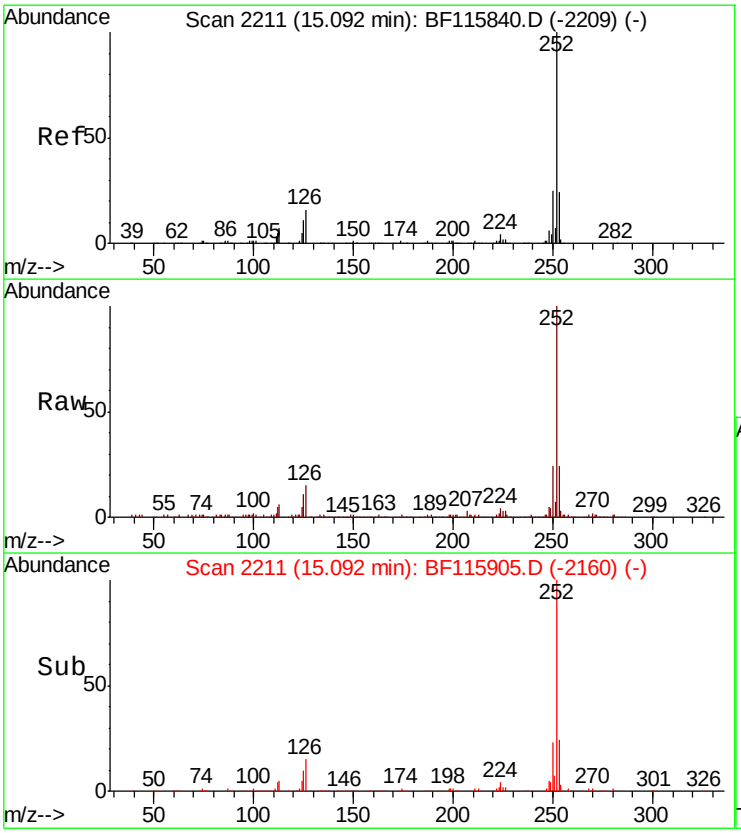
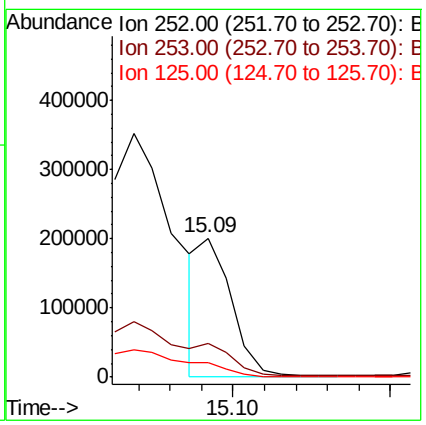
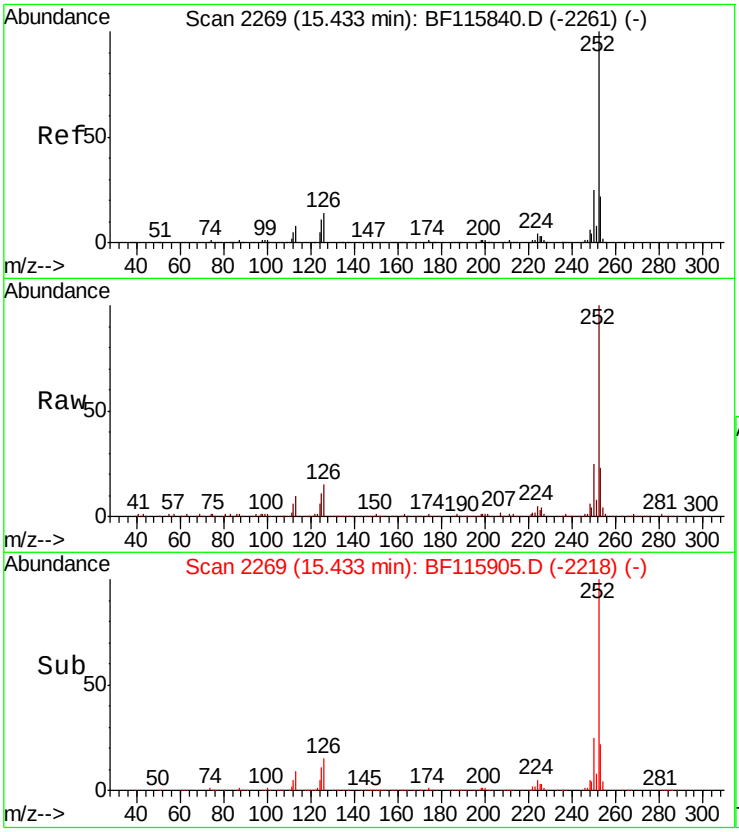


#89
Benzo(k)fluoranthene
Concen: 7.039 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion:252 Resp: 144859

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.4
125	10.8	8.9	13.3

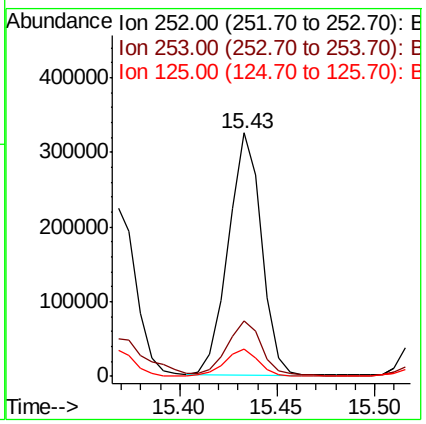




#90
Benzo(a)pyrene
Concen: 20.237 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion:252 Resp: 382204

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	11.3	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
TP-1-A

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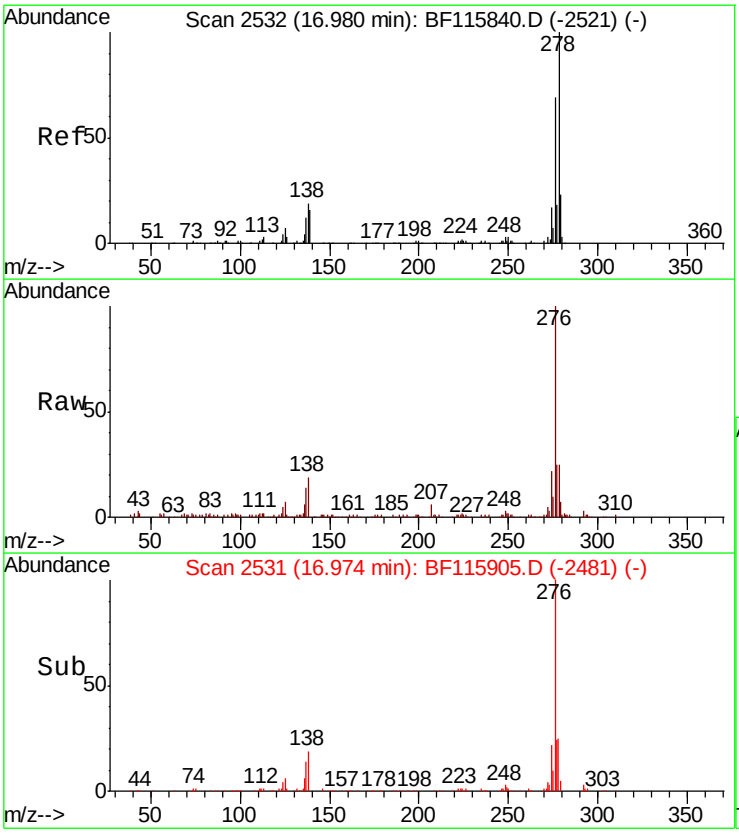
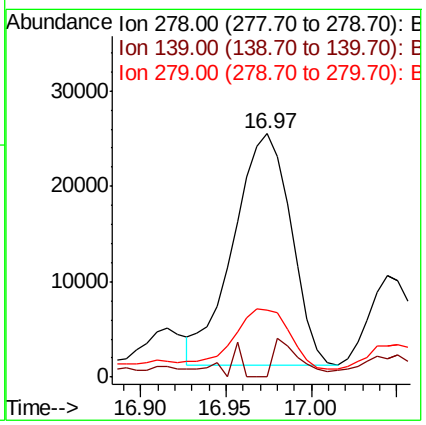
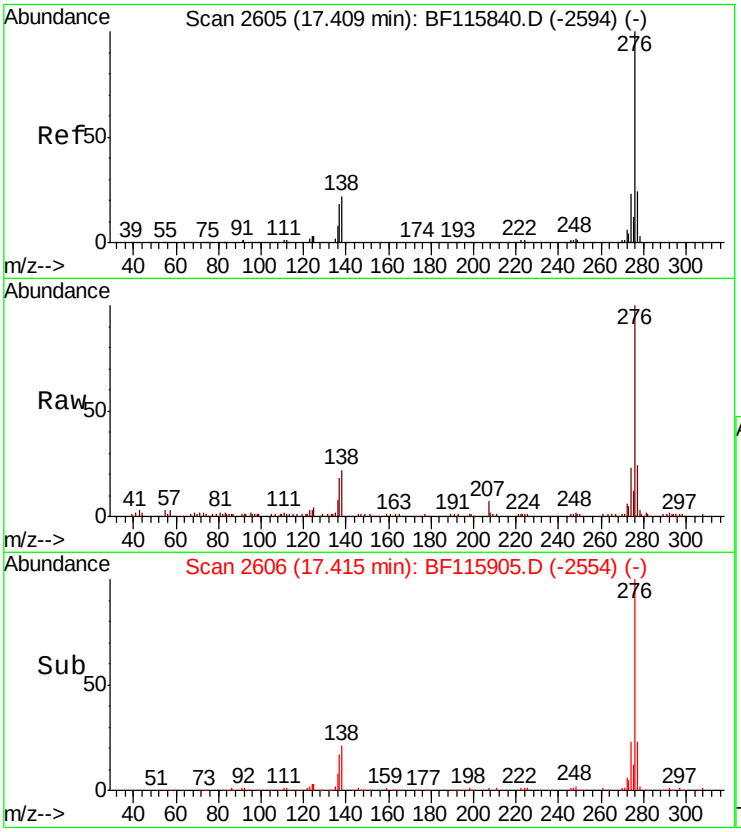


#91
Dibenzo(a,h)anthracene
Concen: 3.493 ng m
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion:278 Resp: 57097

Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.6	19.0#
279	27.5	18.8	28.2

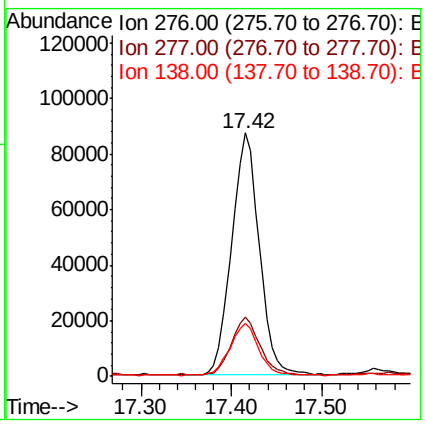




#92
Benzo(g,h,i)perylene
Concen: 11.459 ng
RT: 17.42 min Scan# 2606
Delta R.T. 0.01 min
Lab File: BF115905.D
Acq: 1 Aug 2019 14:05

Tgt Ion:276 Resp: 183980

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.5	29.3
138	21.5	17.8	26.8



Instrument :
BNA_F
ClientSampleId :
TP-1-A

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