Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121511.D
Acq On : 1 Sep 2020 22:46
Operator : JU/CG
Sample : L3847-05DL 25X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-CDL

Manual Integrations APPROVED
mohammad
9/2/2020 1:57:42 PM

Quant Time: Sep 02 03:37:25 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 28 09:25:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	280990	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1032961	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	501305	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	856642	20.00	ng	0.00
76) Chrysene-d12	14.03	240	672870	20.00	ng	0.00
86) Perylene-d12	15.51	264	755210	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	22820	1.36	ng	-0.01
7) Phenol-d6	6.47	99	33569	1.43	ng	-0.02
23) Nitrobenzene-d5	7.41	82	19371	1.28	ng	-0.02
42) 2,4,6-Tribromophenol	10.69	330	7686	1.52	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	48004	1.55	ng	-0.01
79) Terphenyl-d14	12.97	244	42133	1.32	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.41	178	822798	18.716	ng	97
72) Anthracene	11.46	178	197040	4.557	ng	96
75) Fluoranthene	12.60	202	1241496	26.204	ng	96
78) Pyrene	12.83	202	1768499	36.802	ng	99
81) Benzo(a)anthracene	14.02	228	728944	17.746	ng	96
83) Chrysene	14.06	228	832189	20.251	ng	97
87) Indeno(1,2,3-cd)pyrene	16.97	276	301276	6.484	ng	95
88) Benzo(b)fluoranthene	15.07	252	725217m	14.762	ng	
89) Benzo(k)fluoranthene	15.10	252	238335m	5.216	ng	
90) Benzo(a)pyrene	15.44	252	666749	15.094	ng	99
91) Dibenzo(a,h)anthracene	16.98	278	85455m	2.247	ng	
92) Benzo(g,h,i)perylene	17.42	276	307780	8.400	ng	100

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121511.D
Acq On : 1 Sep 2020 22:46
Operator : JU/CG
Sample : L3847-05DL 25X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 02 03:37:25 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 28 09:25:49 2020
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-CDL

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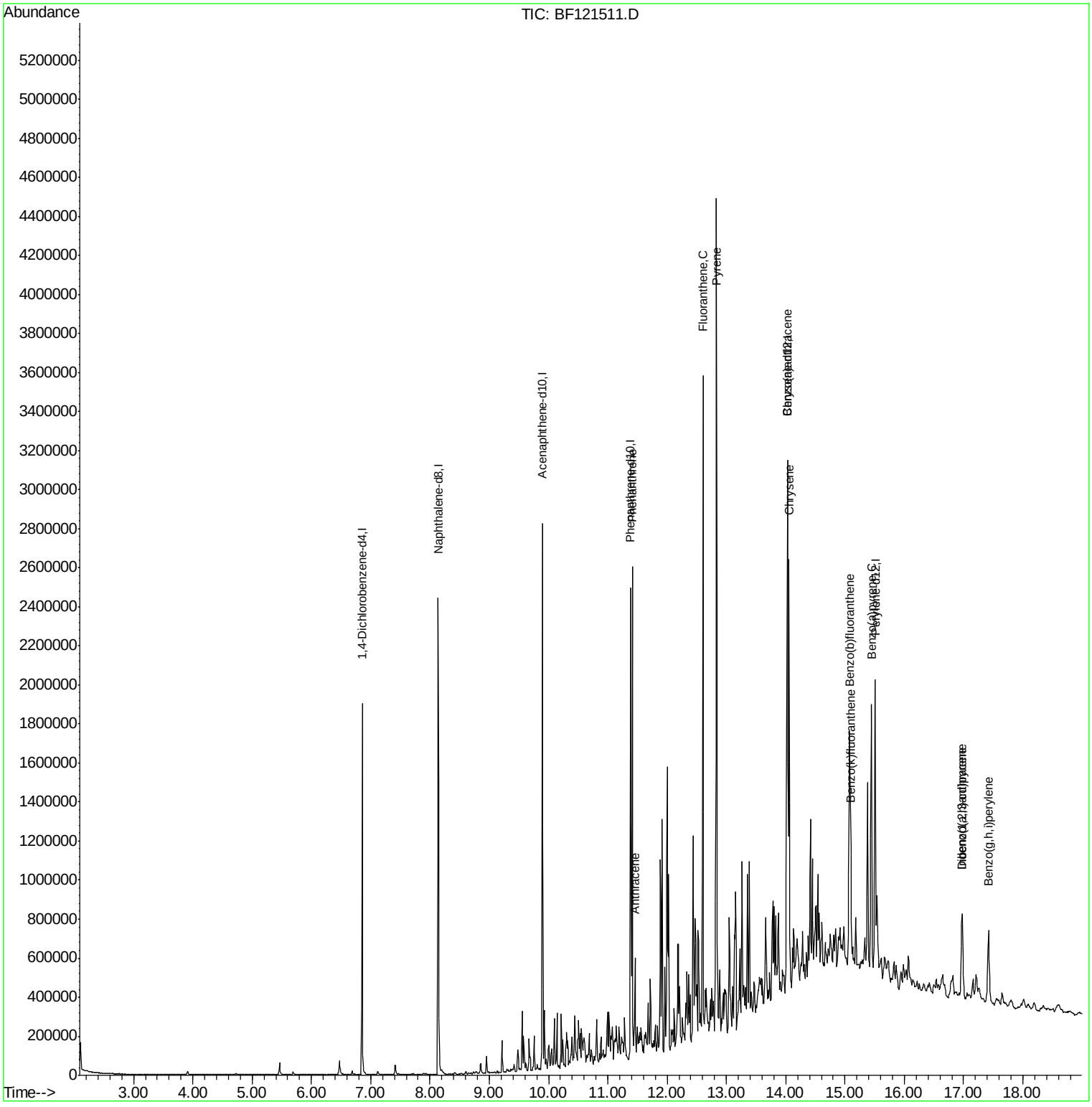
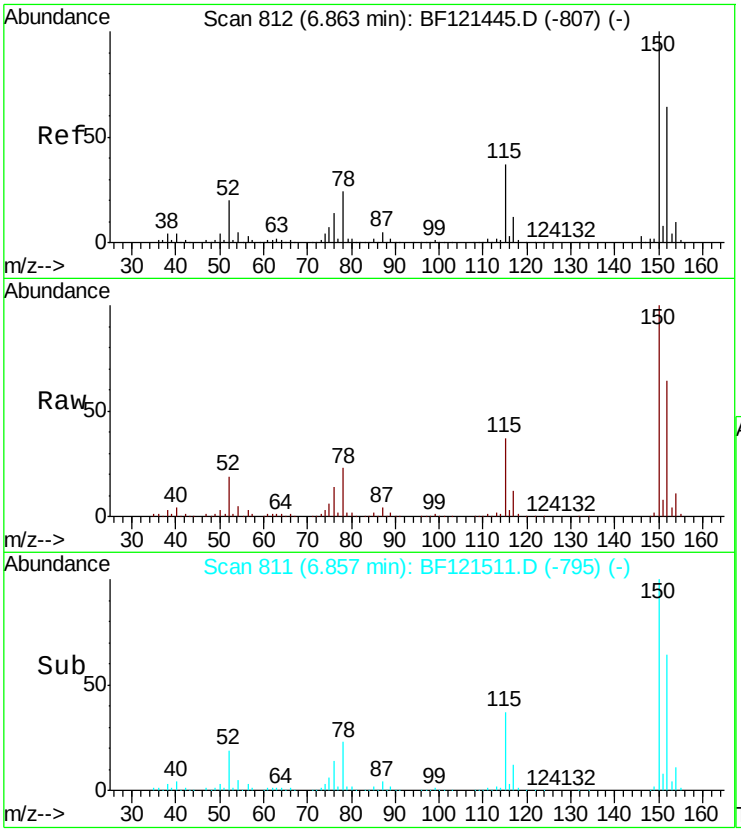
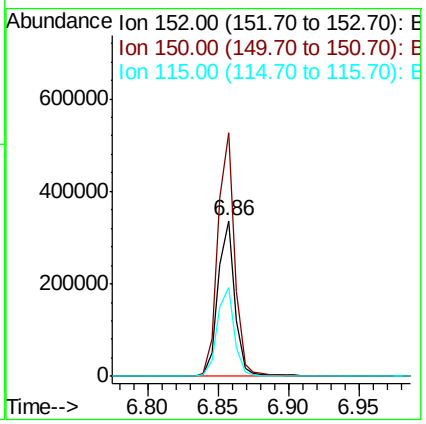




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:152 Resp: 280990

Ion	Ratio	Lower	Upper
152	100		
150	156.8	125.8	188.6
115	57.5	46.6	69.8



Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-CDL

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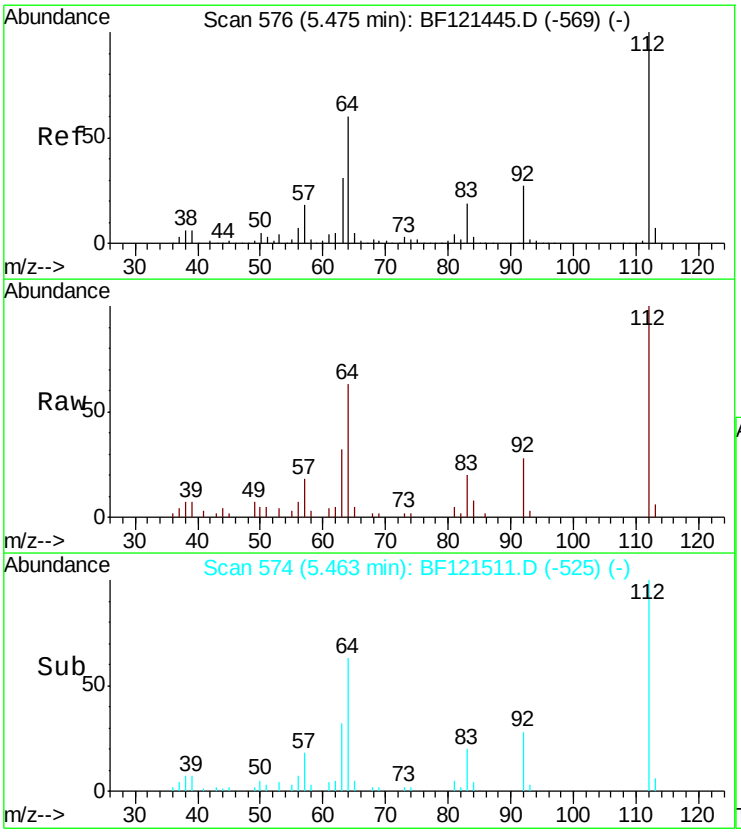
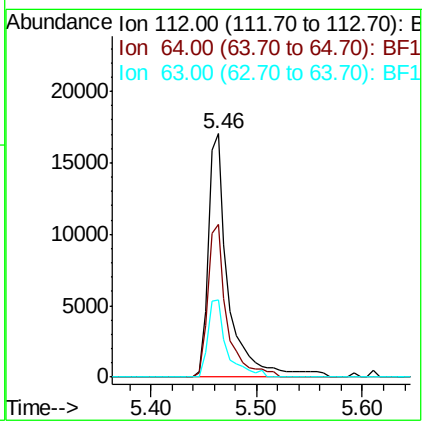
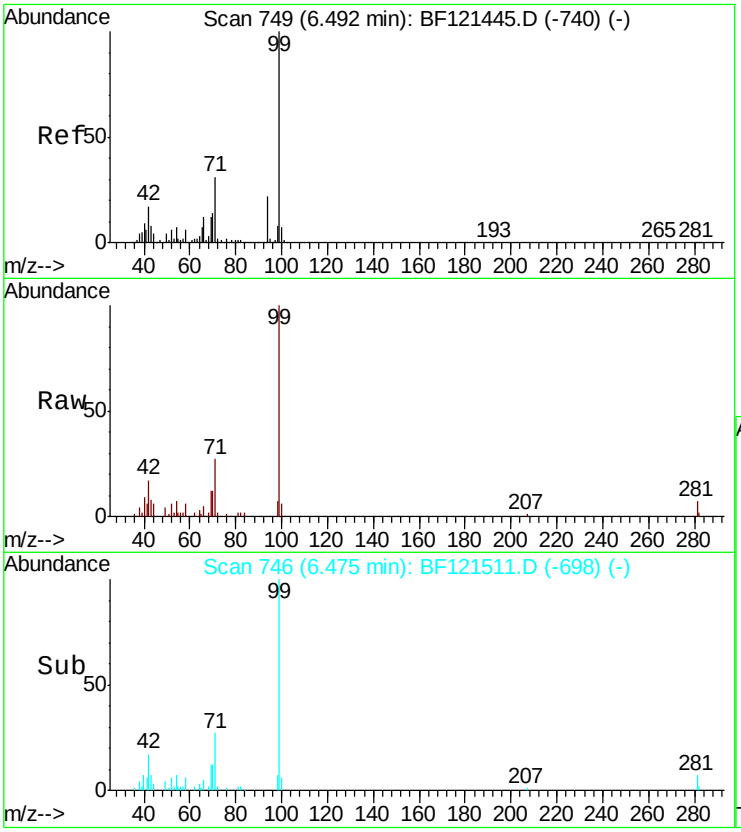


#5
2-Fluorophenol
Concen: 1.363 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:112 Resp: 22820

Ion	Ratio	Lower	Upper
112	100		
64	62.9	48.2	72.2
63	31.8	24.8	37.2

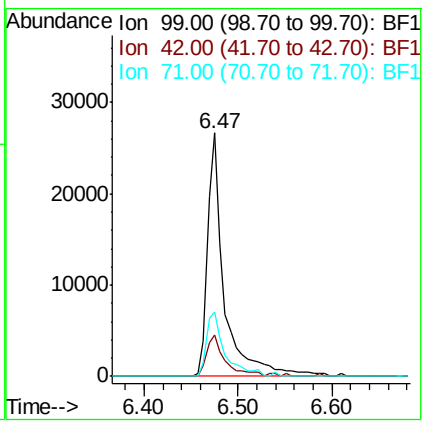




#7
Phenol-d6
Concen: 1.434 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.02 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion: 99 Resp: 33569

Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.5	20.3
71	26.6	24.6	37.0



Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-CDL

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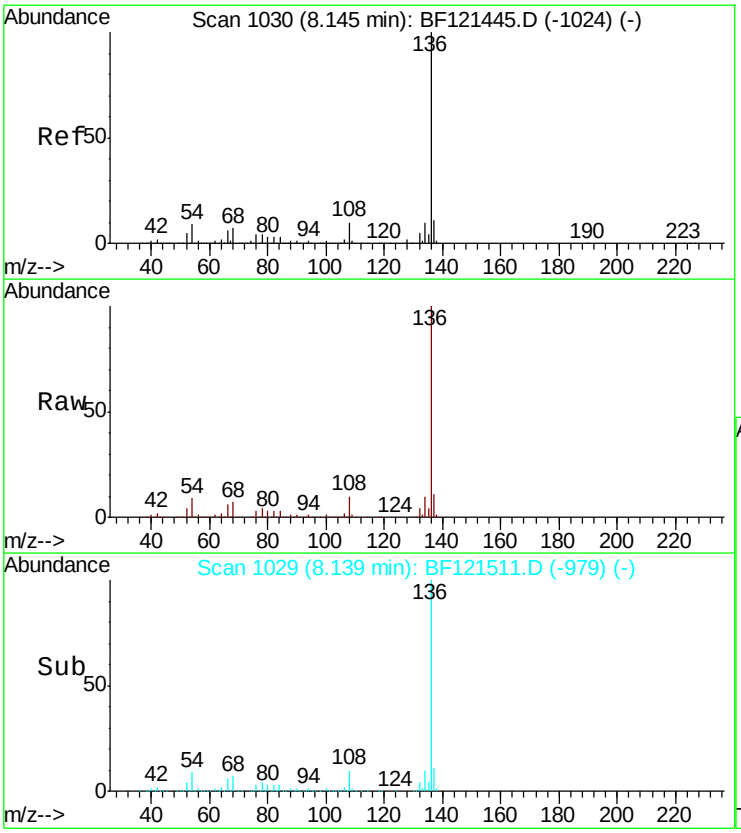
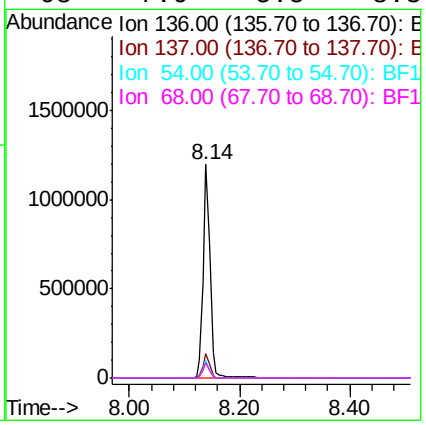
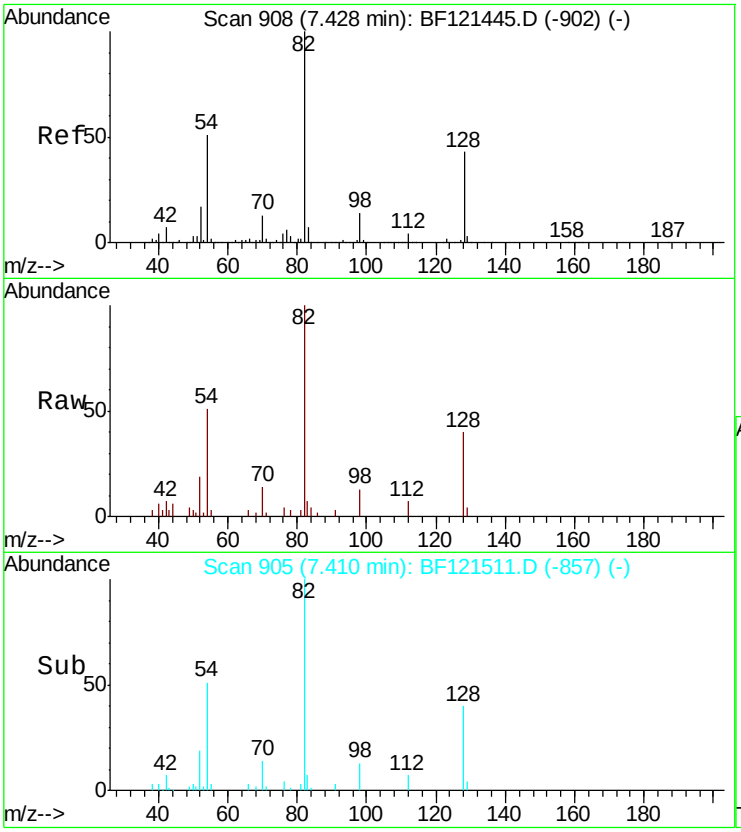


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:136 Resp: 1032961

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	8.5	7.0	10.4
68	7.0	5.5	8.3

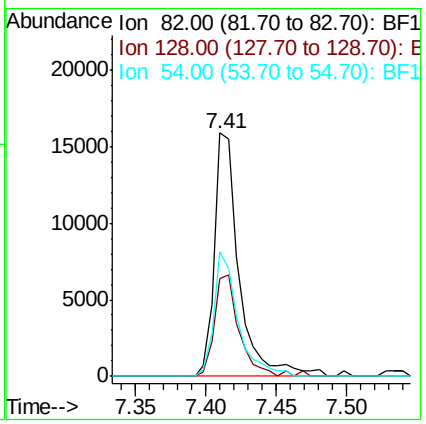




#23
Nitrobenzene-d5
Concen: 1.282 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion: 82 Resp: 19371

Ion	Ratio	Lower	Upper
82	100		
128	40.2	34.1	51.1
54	51.1	41.0	61.6



Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-CDL

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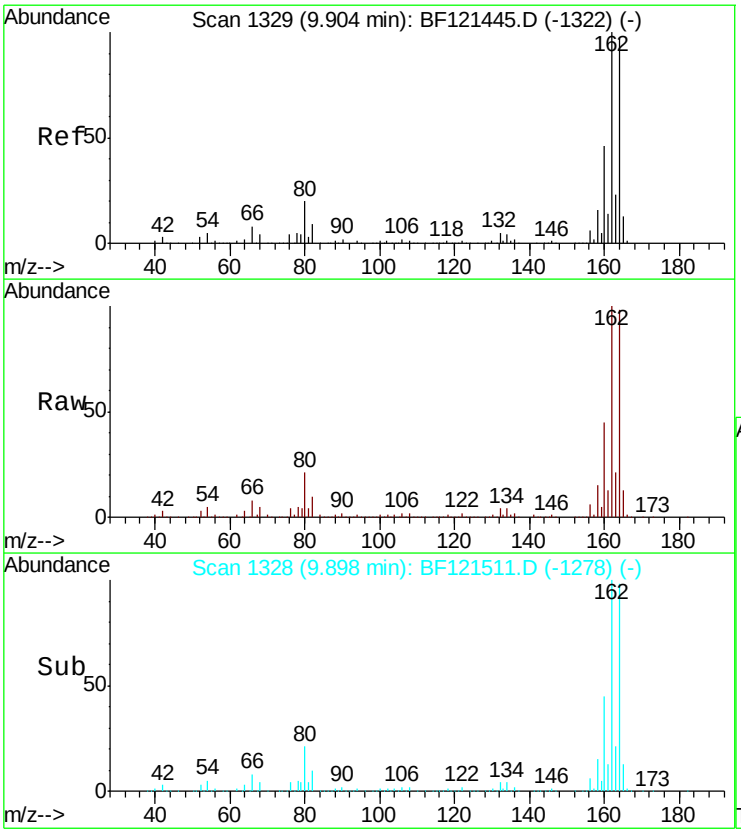
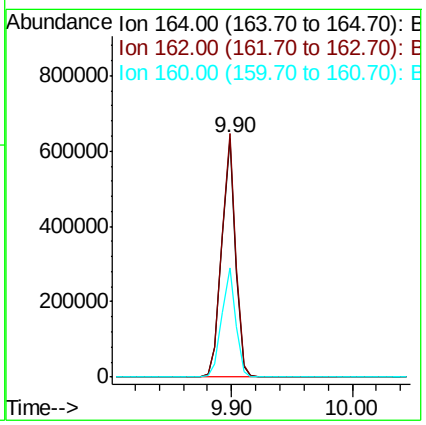
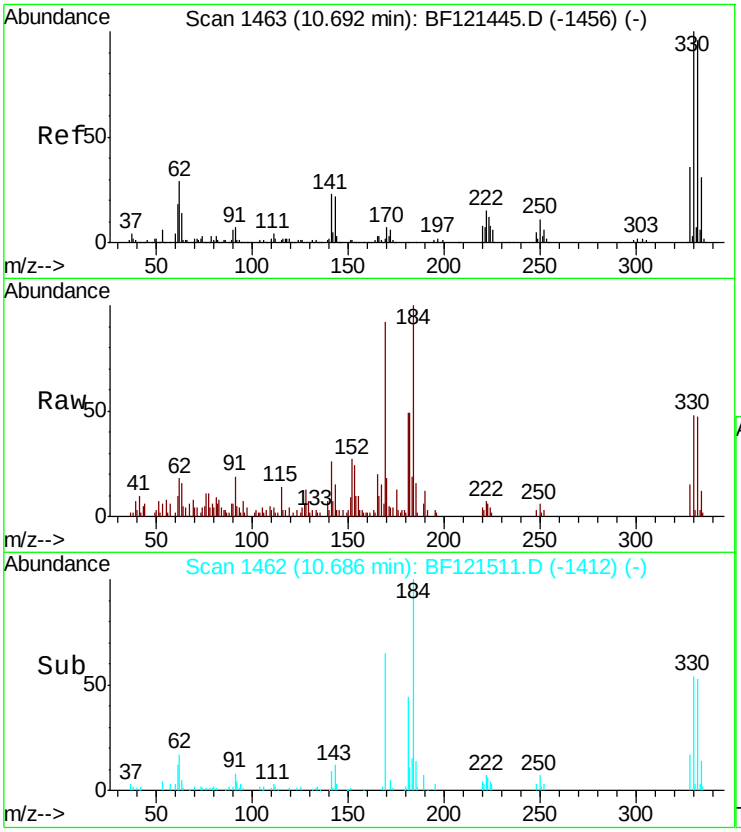


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:164 Resp: 501305

Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.4	123.6
160	45.5	37.6	56.4

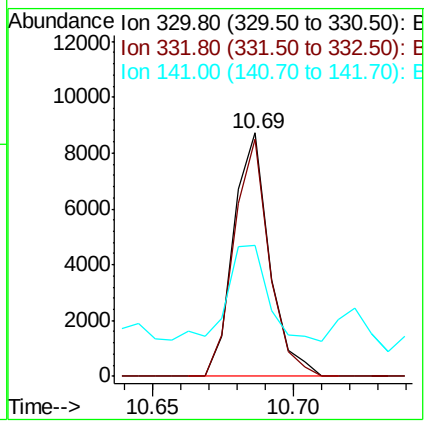




#42
2,4,6-Tribromophenol
Concen: 1.518 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.01 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:330 Resp: 7686

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.2	114.2
141	48.9	24.6	36.8#



Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-CDL

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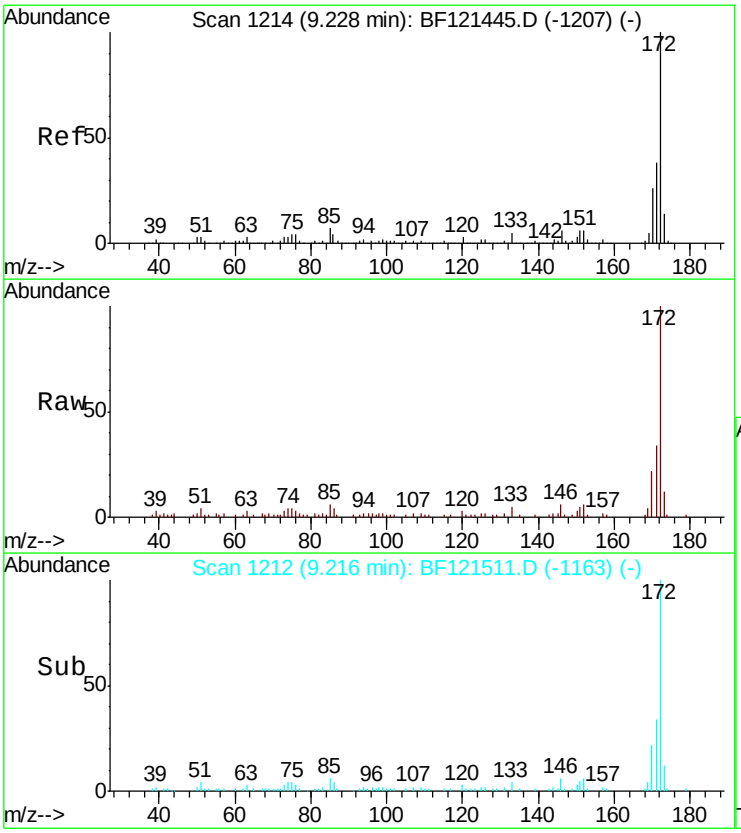
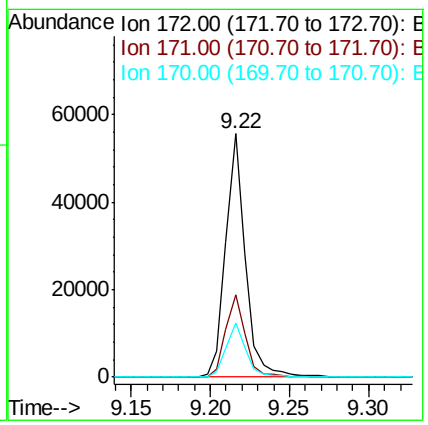
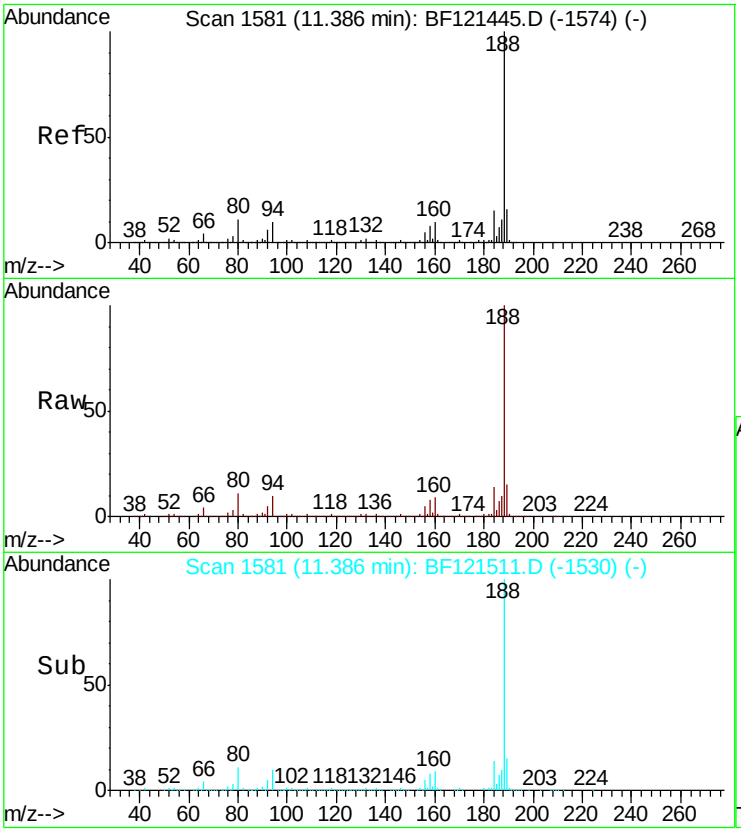


#45
2-Fluorobiphenyl
Concen: 1.545 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:172 Resp: 48004

Ion	Ratio	Lower	Upper
172	100		
171	33.9	30.6	45.8
170	22.0	20.6	31.0

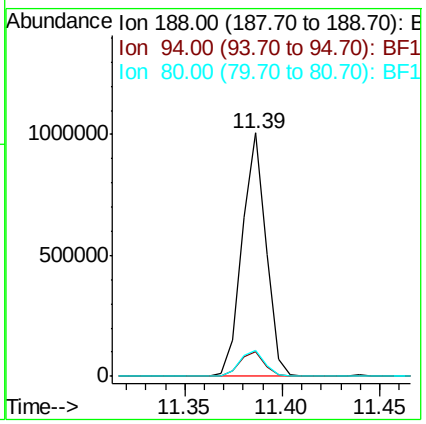




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:188 Resp: 856642

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.3	12.5
80	10.7	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-CDL

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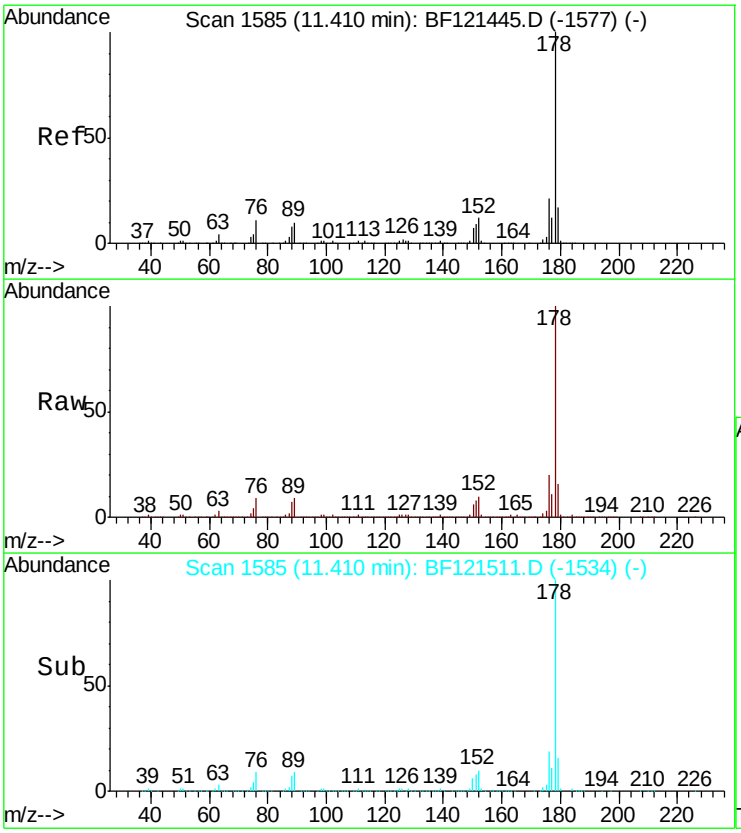
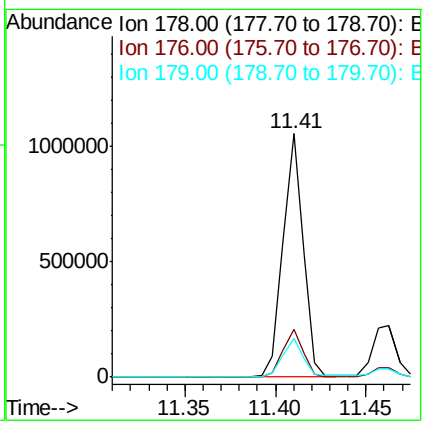
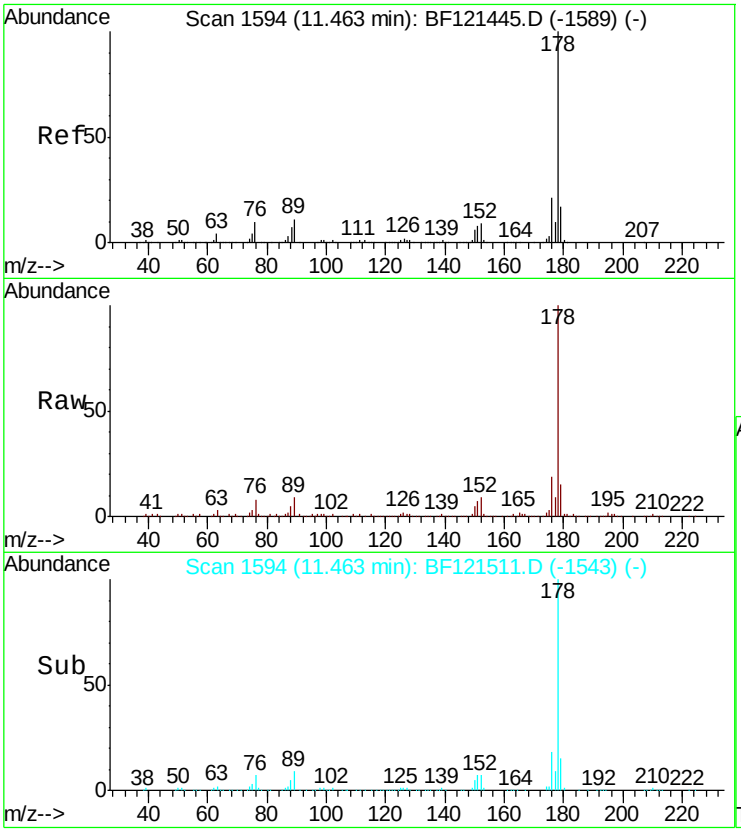


#71
Phenanthrene
Concen: 18.716 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:178 Resp: 822798

Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.9	25.3
179	16.1	13.4	20.0

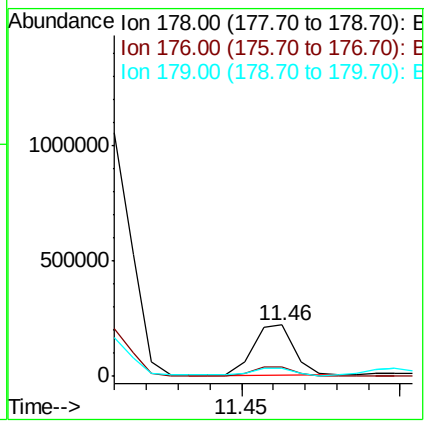




#72
Anthracene
Concen: 4.557 ng
RT: 11.46 min Scan# 1594
Delta R.T. 0.00 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:178 Resp: 197040

Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.7	25.1
179	15.2	13.4	20.2



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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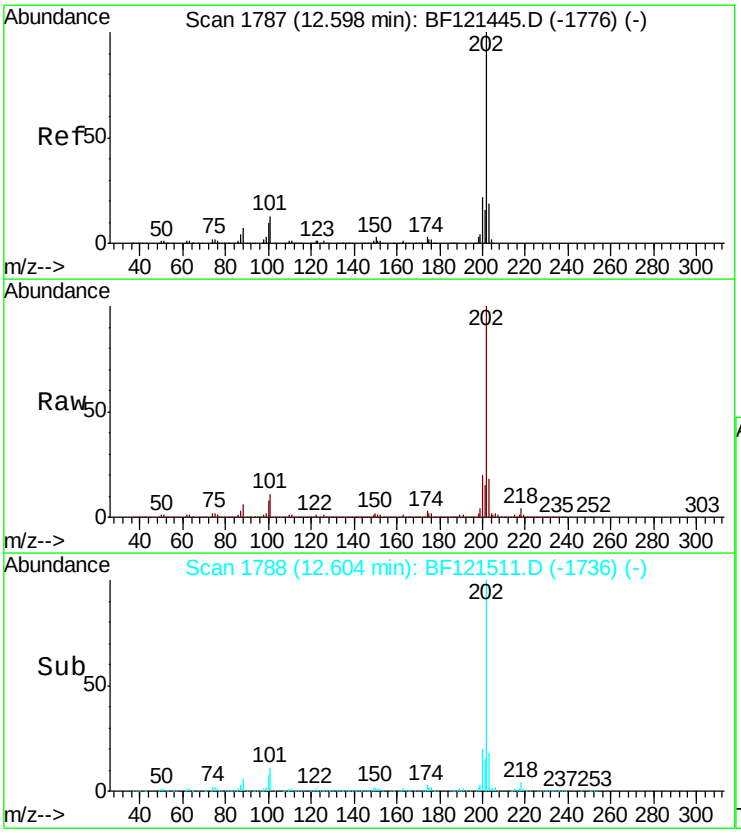
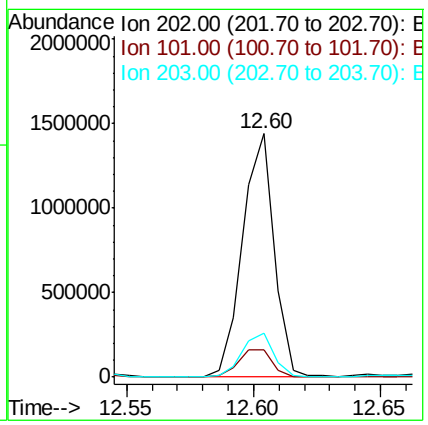
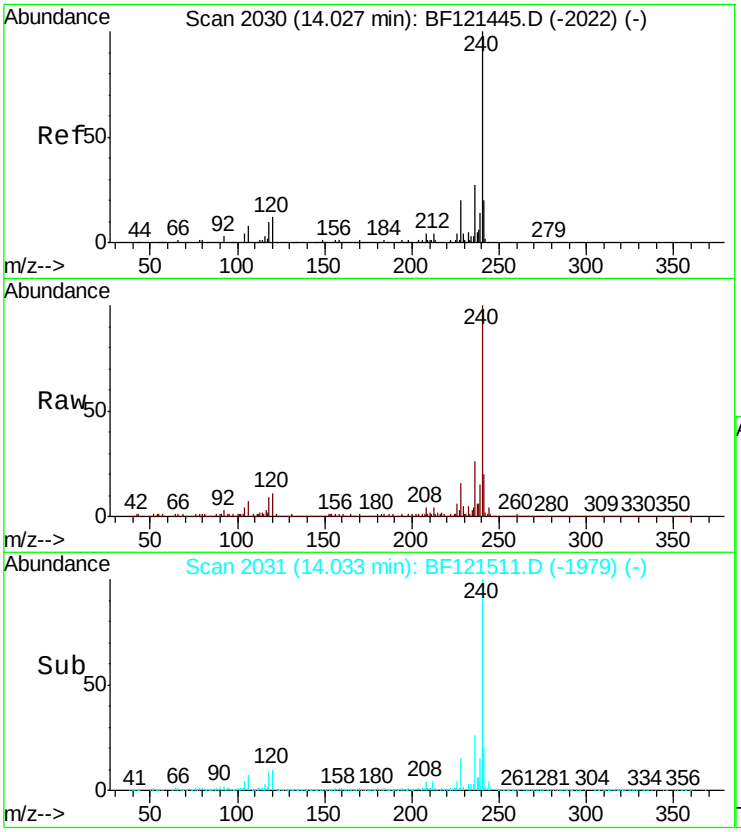


#75
Fluoranthene
Concen: 26.204 ng
RT: 12.60 min Scan# 1788
Delta R.T. 0.01 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:202 Resp: 1241496

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	33.3
203	18.0	0.0	39.1

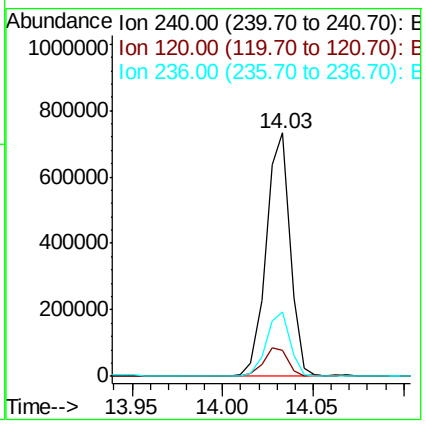




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:240 Resp: 672870

Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.5	14.3
236	26.3	21.8	32.6



Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-CDL

Manual Integrations APPROVED
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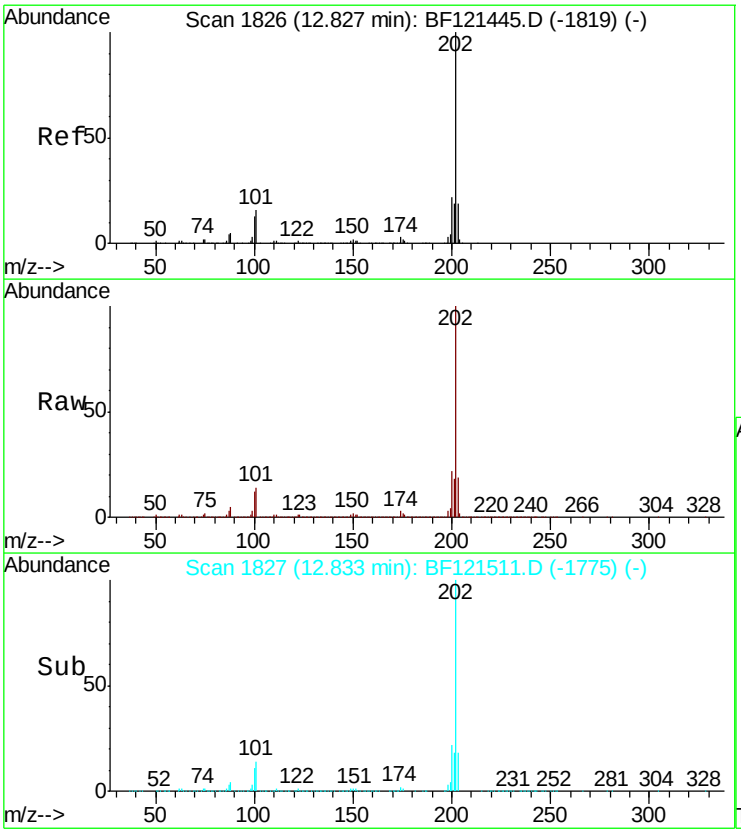
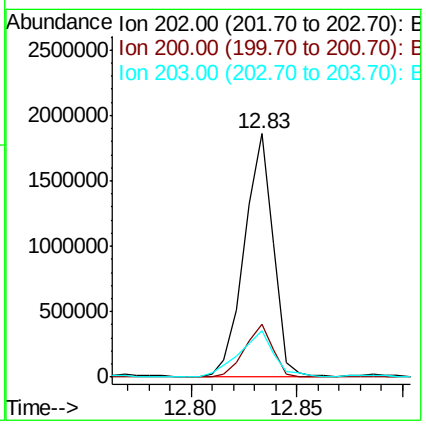
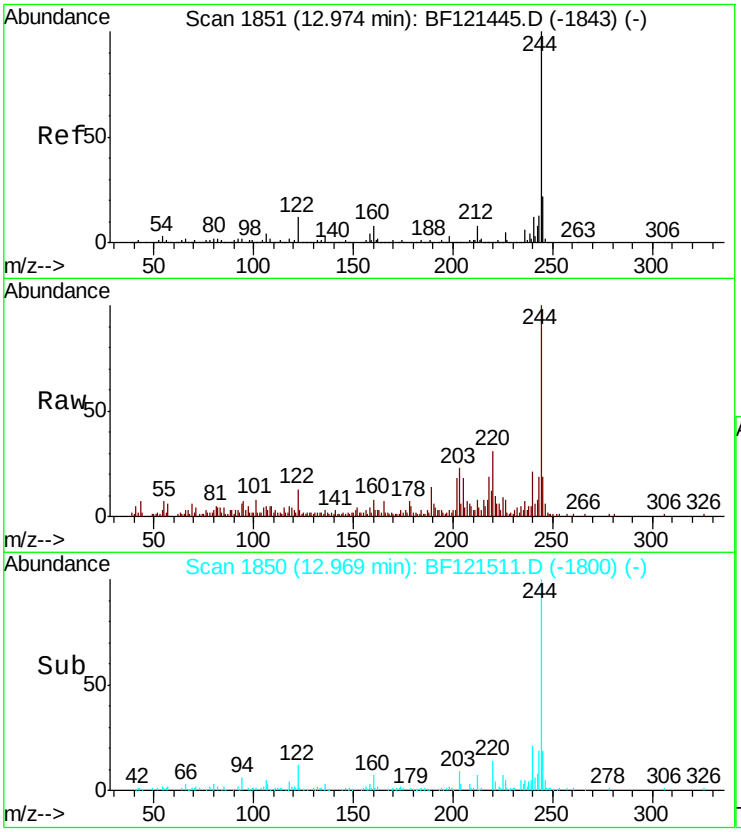


#78
Pyrene
Concen: 36.802 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:202 Resp: 1768499

Ion	Ratio	Lower	Upper
202	100		
200	21.6	18.0	27.0
203	18.8	15.3	22.9

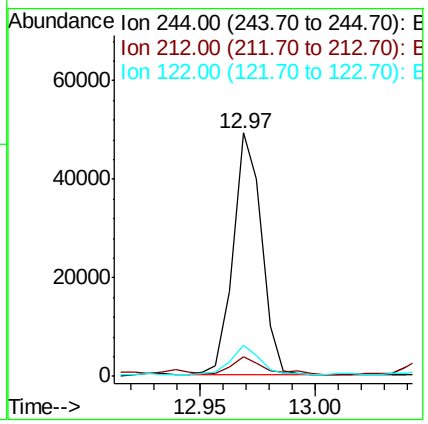




#79
Terphenyl-d14
Concen: 1.318 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:244 Resp: 42133

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.3	9.5
122	12.8	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-CDL

Manual Integrations APPROVED
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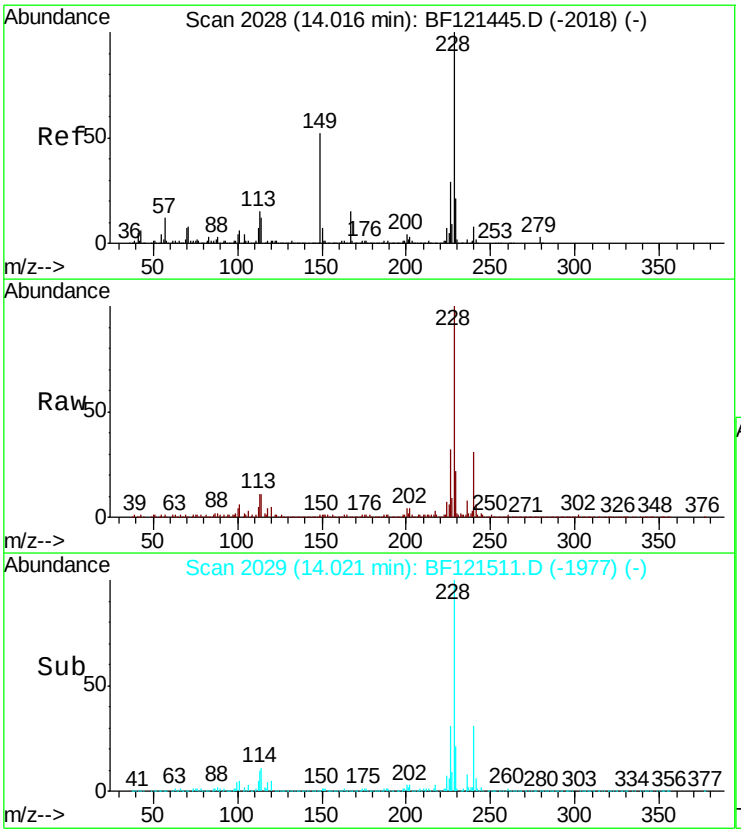
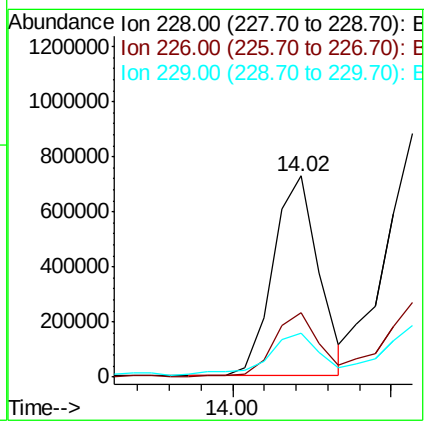
9/2/2020 1:57:42 PM

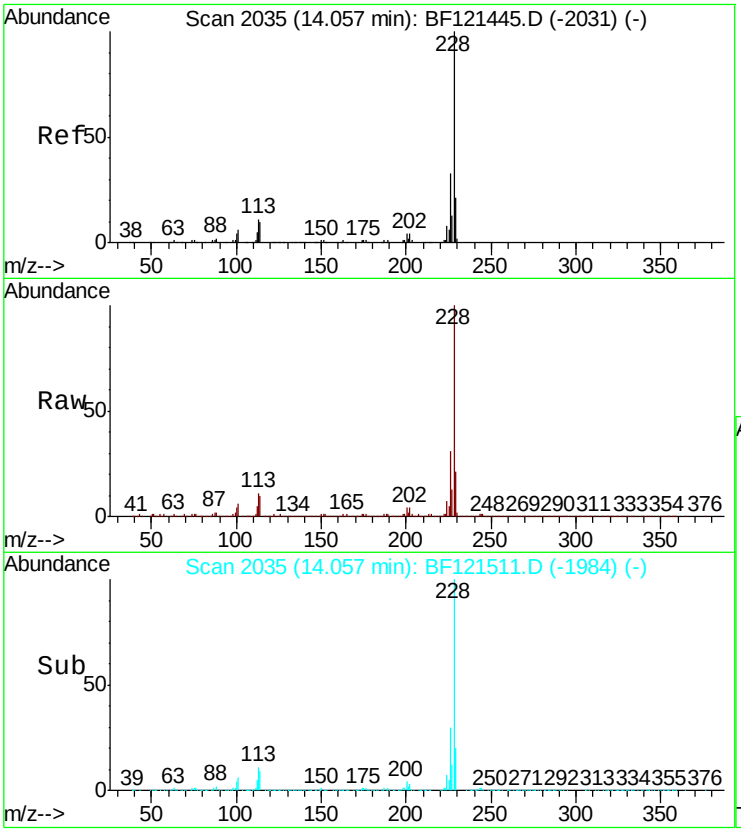


#81
Benzo(a)anthracene
Concen: 17.746 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:228 Resp: 728944

Ion	Ratio	Lower	Upper
228	100		
226	31.7	23.0	34.4
229	21.8	16.6	24.8

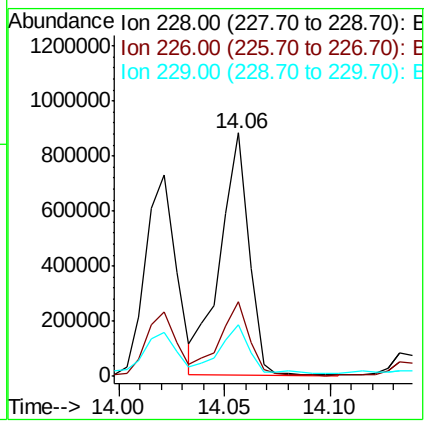




#83
Chrysene
Concen: 20.251 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:228 Resp: 832189

Ion	Ratio	Lower	Upper
228	100		
226	30.6	26.2	39.2
229	21.3	16.6	25.0



Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-CDL

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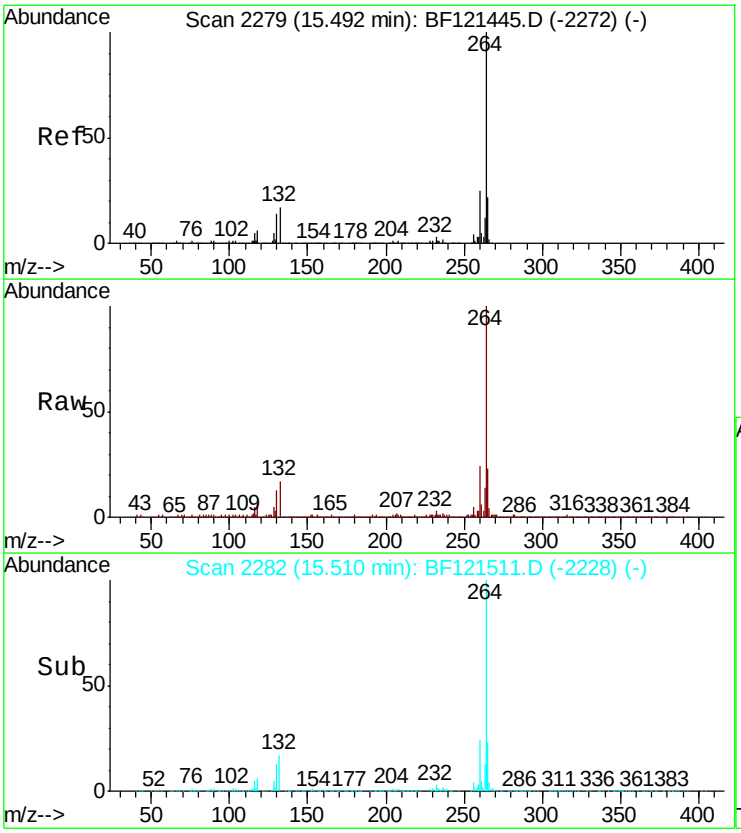
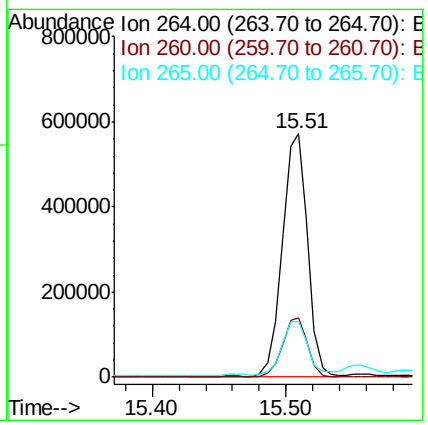
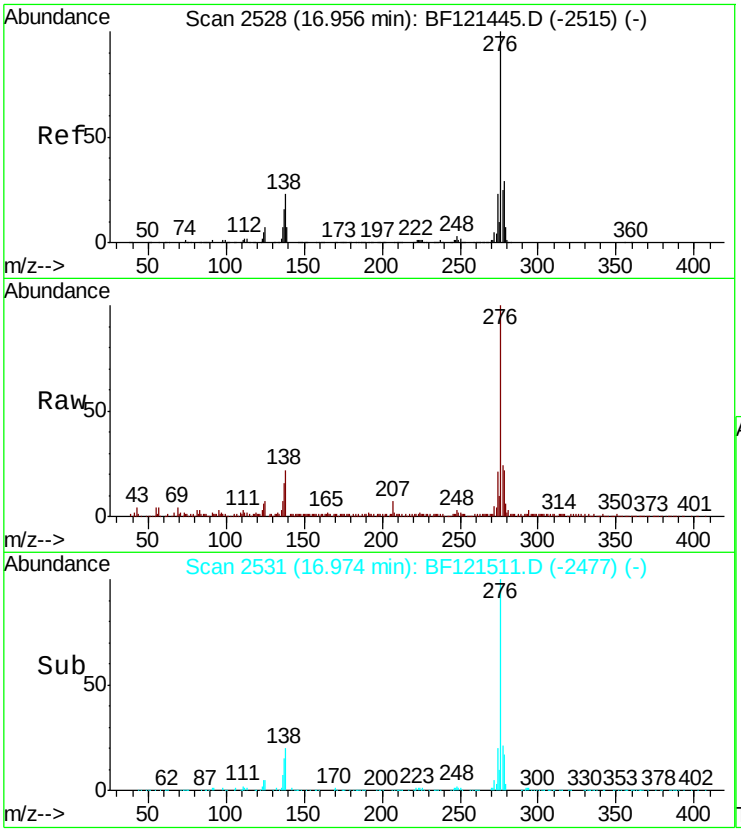


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.02 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:264 Resp: 755210

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	23.0	17.8	26.6

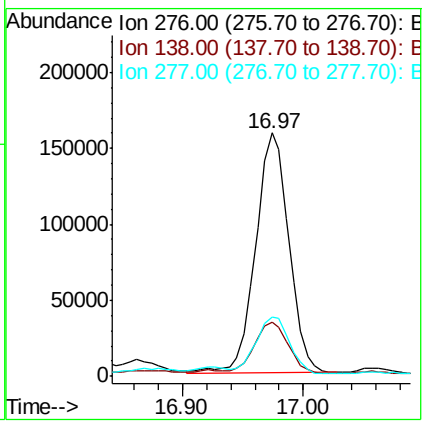




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.484 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.02 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:276 Resp: 301276

Ion	Ratio	Lower	Upper
276	100		
138	22.0	20.6	31.0
277	24.3	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
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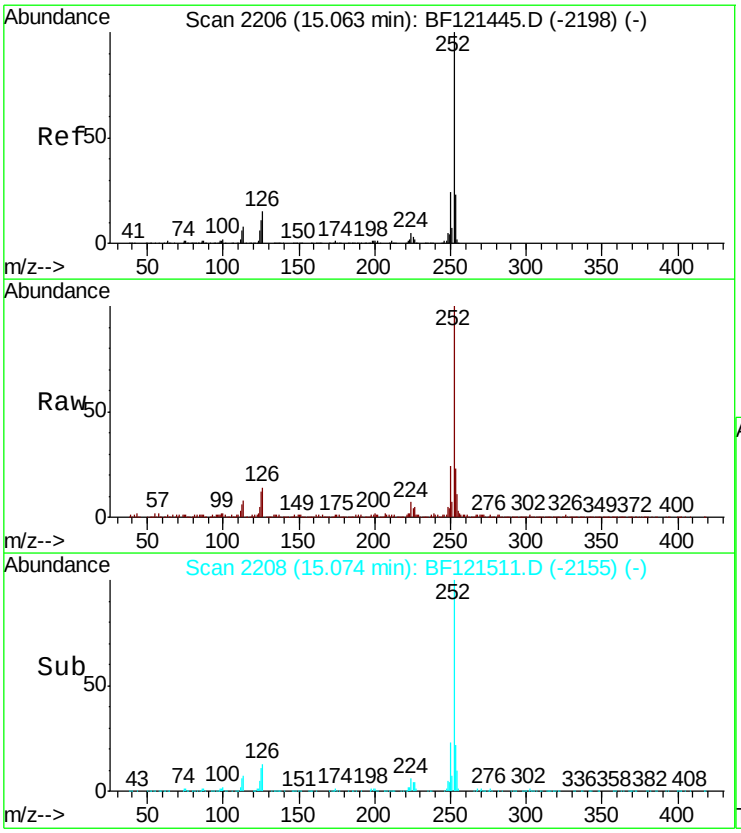
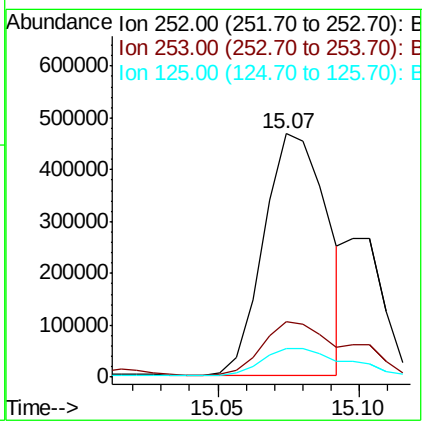
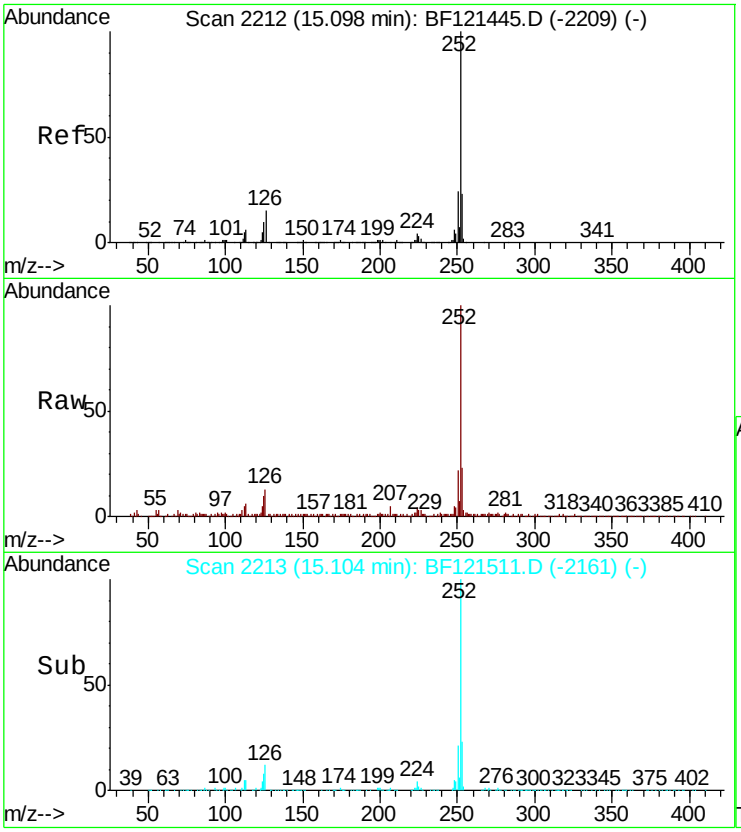


#88
Benzo(b)fluoranthene
Concen: 14.762 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:252 Resp: 725217

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.3	27.5
125	11.6	9.2	13.8

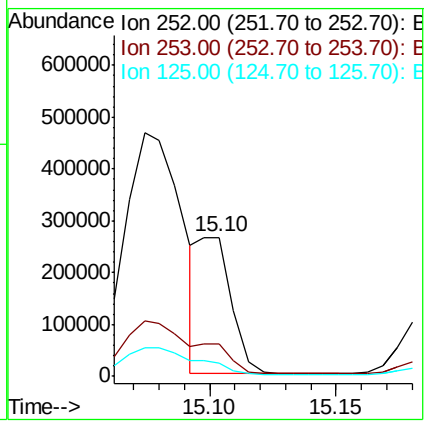




#89
Benzo(k)fluoranthene
Concen: 5.216 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:252 Resp: 238335

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.3	27.5
125	9.5	8.5	12.7



Instrument :
BNA_F
ClientSampleId :
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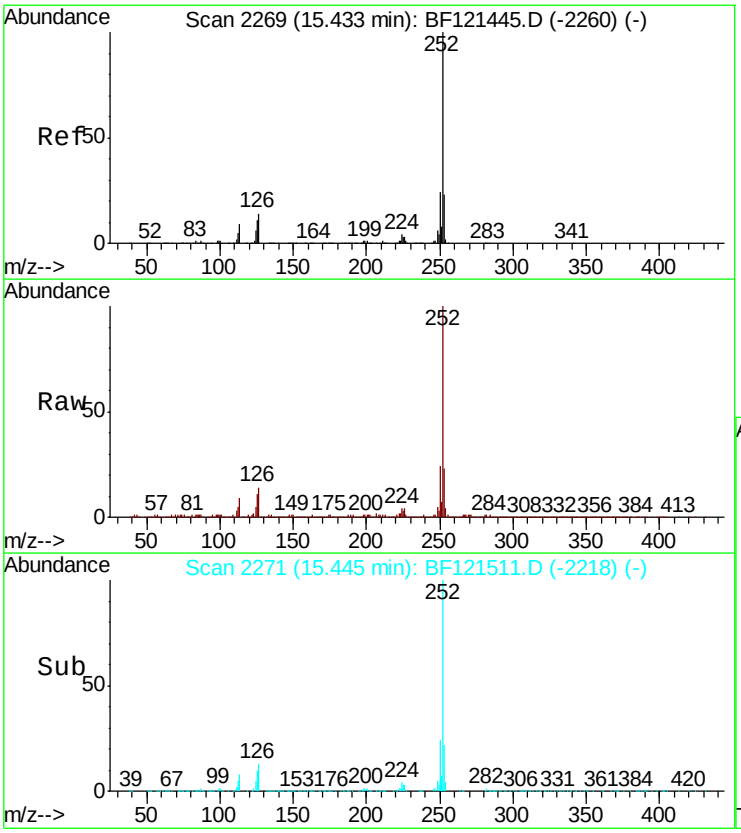
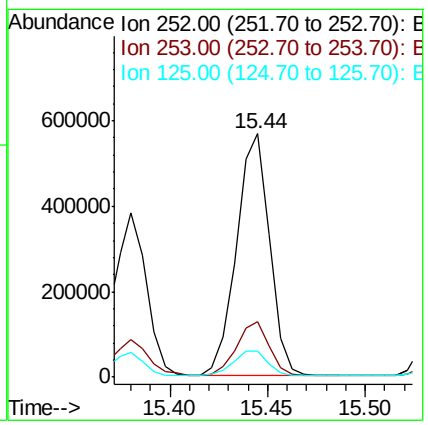
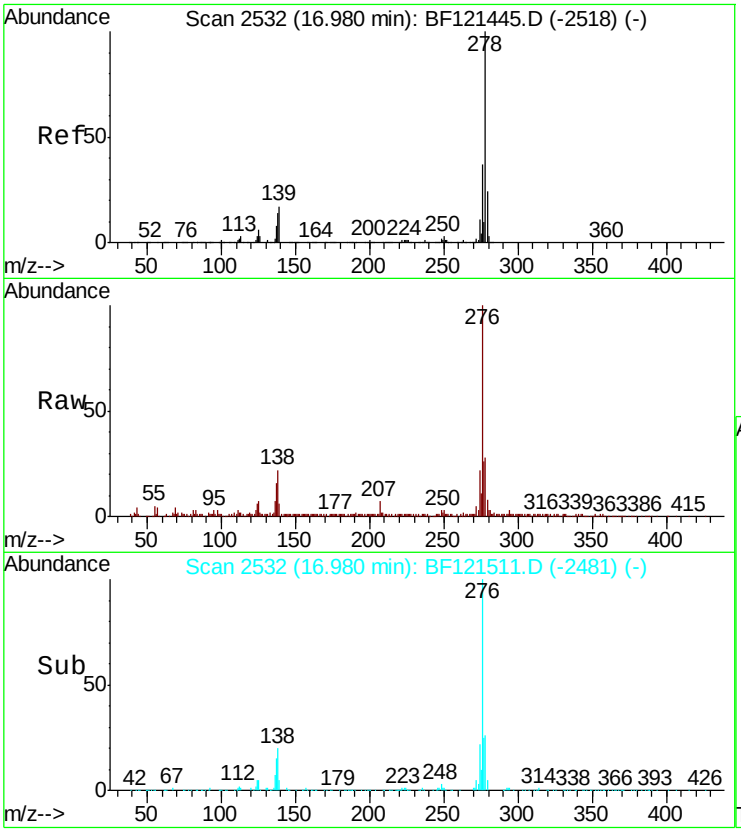


#90
Benzo(a)pyrene
Concen: 15.094 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:252 Resp: 666749

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	10.9	9.0	13.4

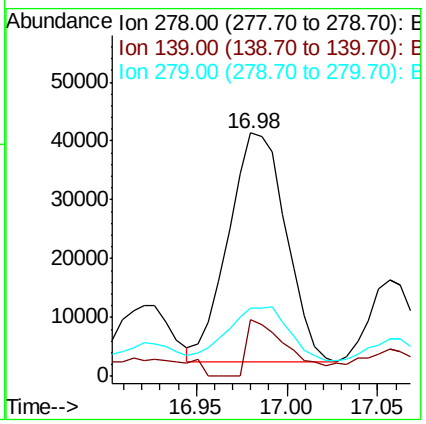




#91
Dibenzo(a,h)anthracene
Concen: 2.247 ng m
RT: 16.98 min Scan# 2532
Delta R.T. 0.00 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:278 Resp: 85455

Ion	Ratio	Lower	Upper
278	100		
139	23.4	13.3	19.9#
279	28.2	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-08-CDL

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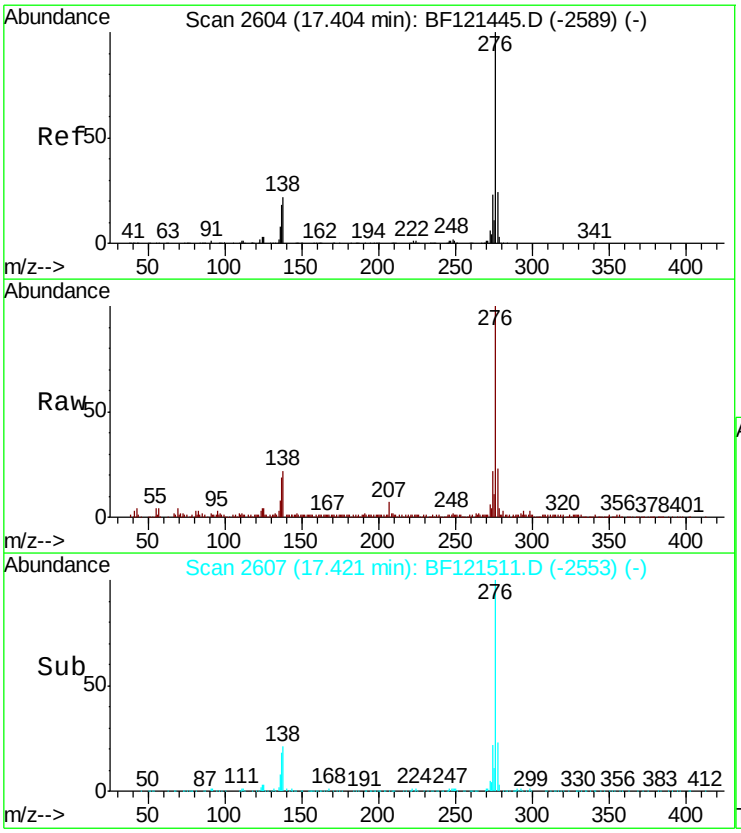

#92
Benzo(g,h,i)perylene
Concen: 8.400 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.02 min
Lab File: BF121511.D
Acq: 1 Sep 2020 22:46

Tgt Ion:276 Resp: 307780

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.9	28.3
138	21.9	17.4	26.0