Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084935.D
Acq On : 8 Feb 2016 18:19
Operator : SJ/IZ
Sample : H1311-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B018(15-17)

Manual Integrations APPROVED
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2/9/2016 12:56:55 PM

Quant Time: Feb 09 03:19:07 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 03 14:16:01 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	158981	20.00	ng	-0.03
21) Naphthalene-d8	7.94	136	679251	20.00	ng	-0.03
38) Acenaphthene-d10	9.69	164	306534	20.00	ng	-0.05
63) Phenanthrene-d10	11.16	188	538473	20.00	ng	-0.05
75) Chrysene-d12	13.79	240	363920	20.00	ng	-0.05
86) Perylene-d12	15.15	264	300860	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	1161101	113.76	ng	-0.03
7) Phenol-d6	6.30	99	1444890	114.19	ng	-0.03
23) Nitrobenzene-d5	7.22	82	894100	74.15	ng	-0.05
41) 2,4,6-Tribromophenol	10.48	330	374948	117.27	ng	-0.05
44) 2-Fluorobiphenyl	9.01	172	1431701	75.87	ng	-0.05
78) Terphenyl-d14	12.75	244	1137254	70.81	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.41	163	283949	12.16	ng	# 90
70) Phenanthrene	11.18	178	315106	10.55	ng	99
74) Fluoranthene	12.36	202	335628	11.10	ng	99
77) Pyrene	12.59	202	304824	10.94	ng	99
79) Butylbenzylphthalate	13.23	149	44345	3.51	ng	89
80) Benzo(a)anthracene	13.78	228	136442	6.04	ng	98
82) Chrysene	13.81	228	92239	4.21	ng	97
85) Indeno(1,2,3-cd)pyrene	16.42	276	56458	3.27	ng	96
87) Benzo(b)fluoranthene	14.79	252	119342m	5.90	ng	
88) Benzo(k)fluoranthene	14.81	252	42028m	2.51	ng	
89) Benzo(a)pyrene	15.11	252	84069	4.88	ng	97
91) Benzo(g,h,i)perylene	16.80	276	50399	3.45	ng	98

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084935.D
Acq On : 8 Feb 2016 18:19
Operator : SJ/IZ
Sample : H1311-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 09 03:19:07 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 03 14:16:01 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SUP-B018(15-17)

Manual Integrations APPROVED
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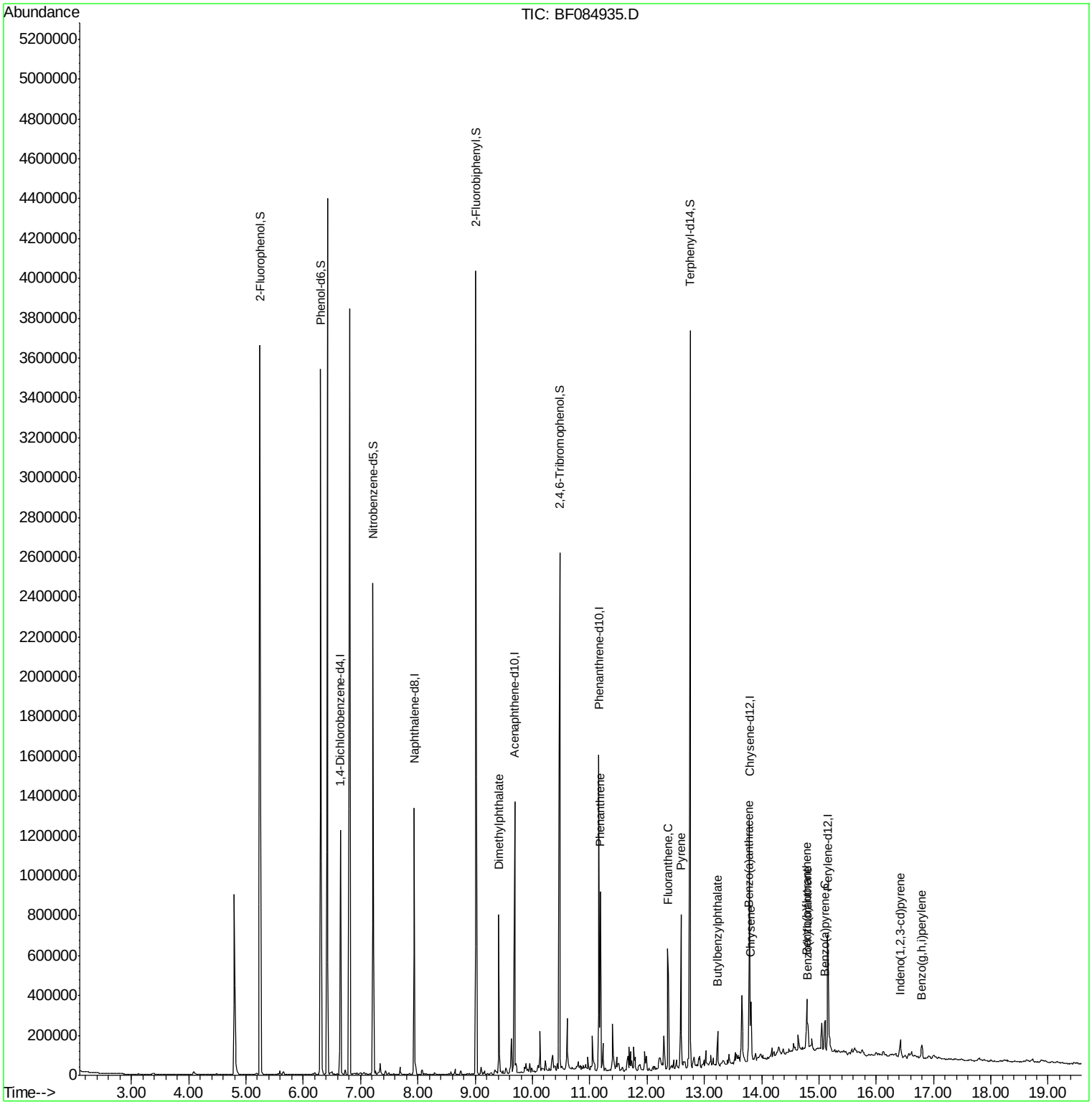
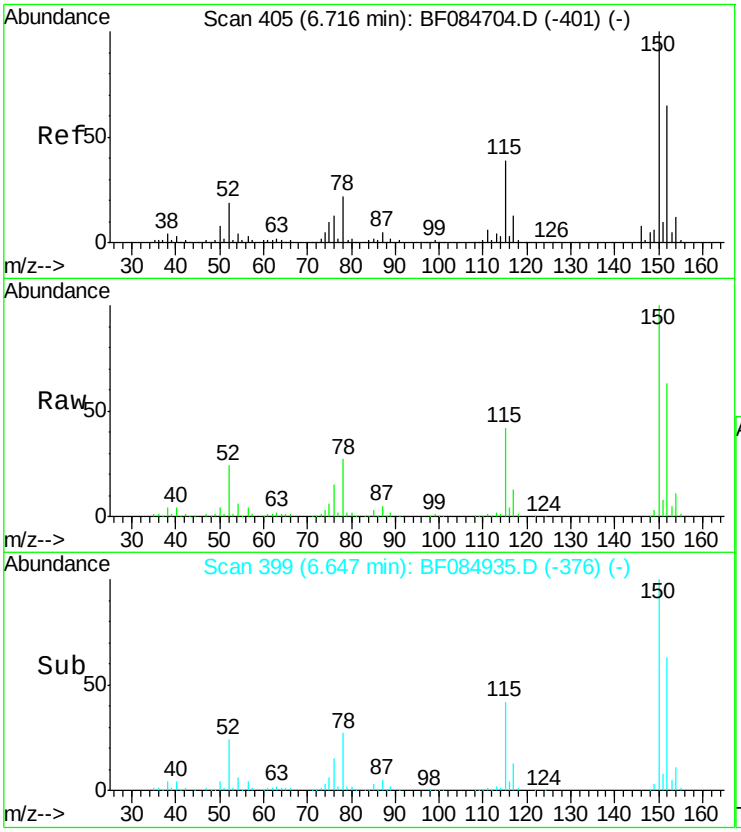
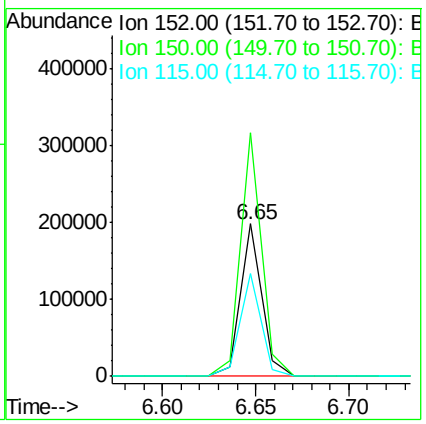




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.65 min Scan# 399
Delta R.T. -0.03 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:152 Resp: 158981

Ion	Ratio	Lower	Upper
152	100		
150	159.6	123.0	184.4
115	67.6	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SUP-B018(15-17)

Manual Integrations APPROVED
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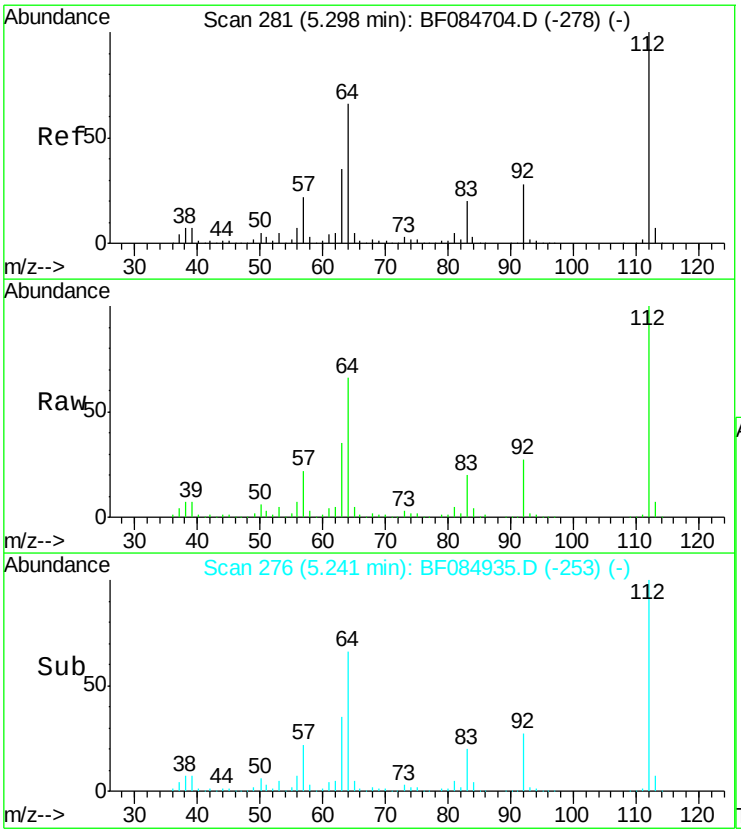
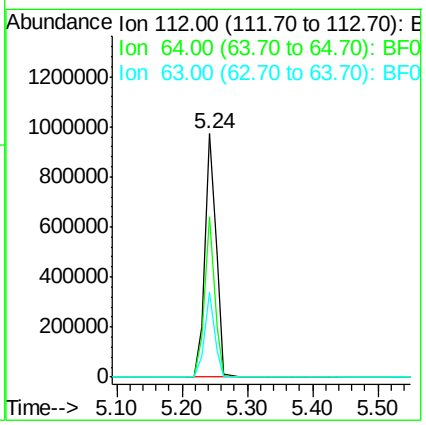
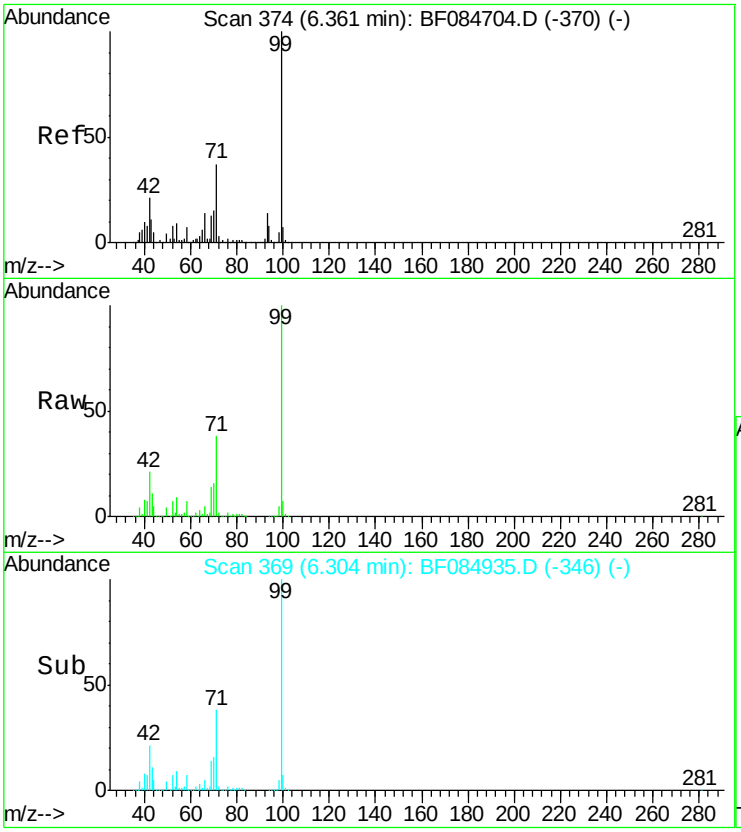


#5
2-Fluorophenol
Concen: 113.76 ng
RT: 5.24 min Scan# 276
Delta R.T. -0.03 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:112 Resp: 1161101

Ion	Ratio	Lower	Upper
112	100		
64	66.0	36.6	55.0#
63	34.9	19.4	29.0#

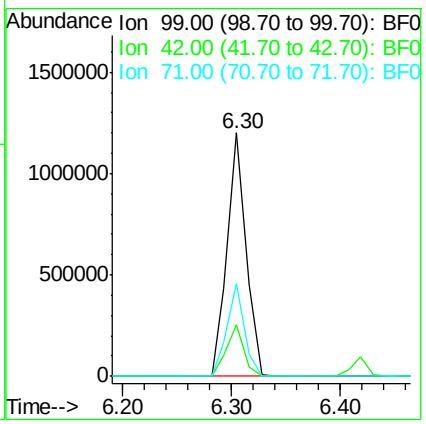




#7
Phenol-d6
Concen: 114.19 ng
RT: 6.30 min Scan# 369
Delta R.T. -0.03 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion: 99 Resp: 1444890

Ion	Ratio	Lower	Upper
99	100		
42	21.1	12.8	19.2#
71	38.1	30.9	46.3



Instrument :
BNA_F
ClientSampleId :
SUP-B018(15-17)

Manual Integrations APPROVED
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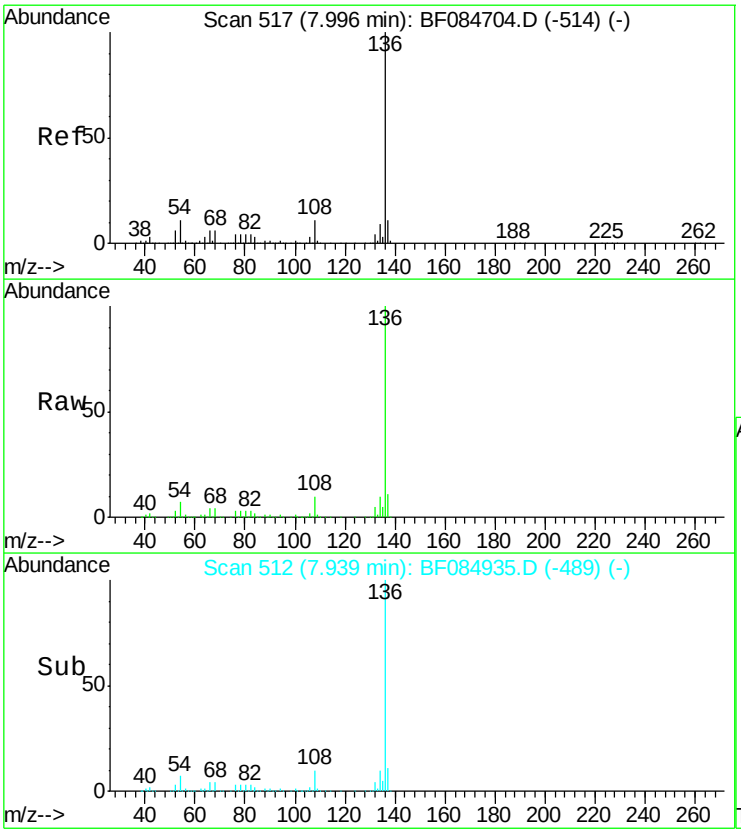
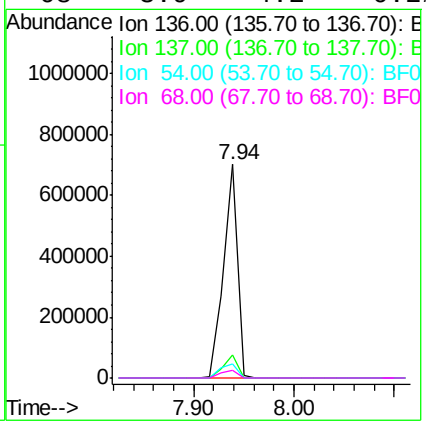
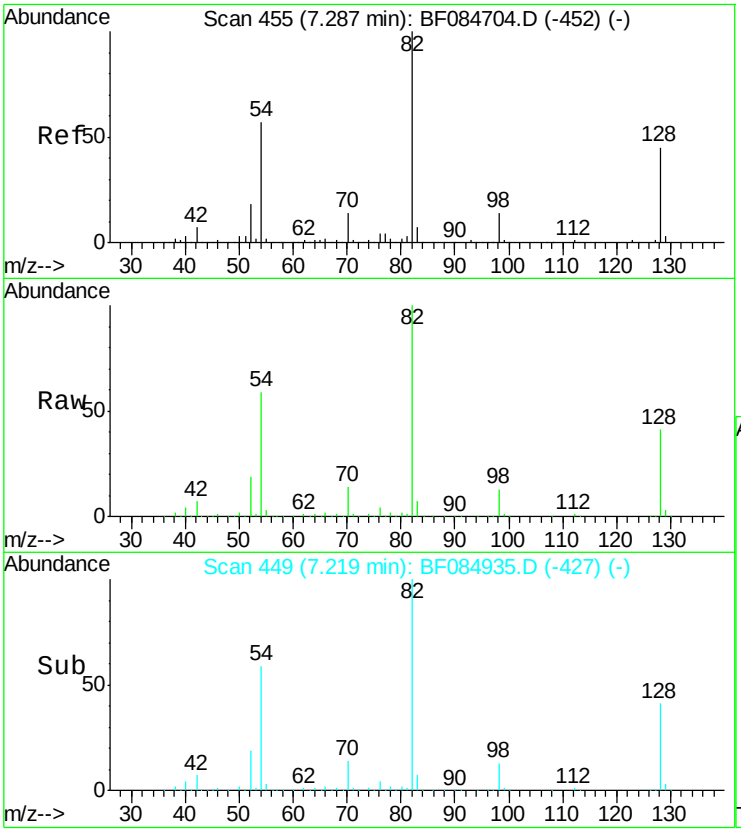


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.94 min Scan# 512
Delta R.T. -0.03 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:136 Resp: 679251

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	6.7	5.8	8.8
68	3.9	4.2	6.2#

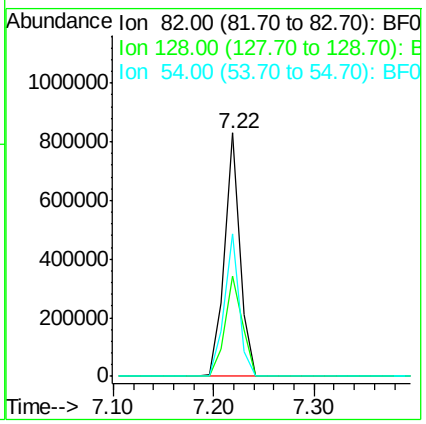




#23
Nitrobenzene-d5
Concen: 74.15 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.05 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion: 82 Resp: 894100

Ion	Ratio	Lower	Upper
82	100		
128	40.9	34.6	51.8
54	58.8	38.4	57.6#



Instrument :
BNA_F
ClientSampleId :
SUP-B018(15-17)

Manual Integrations APPROVED
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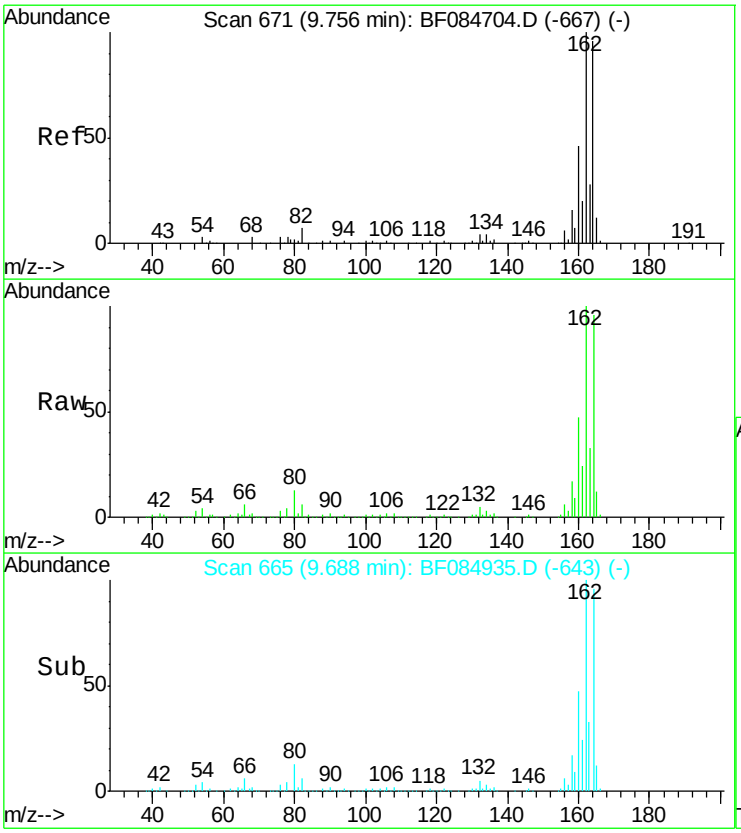
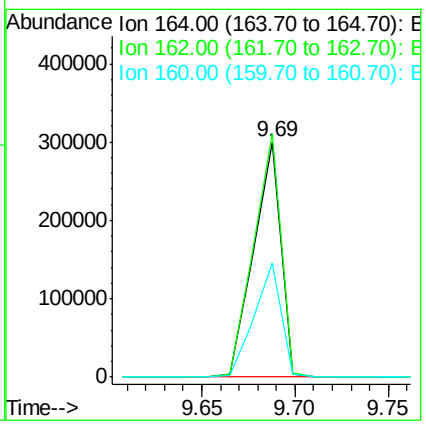
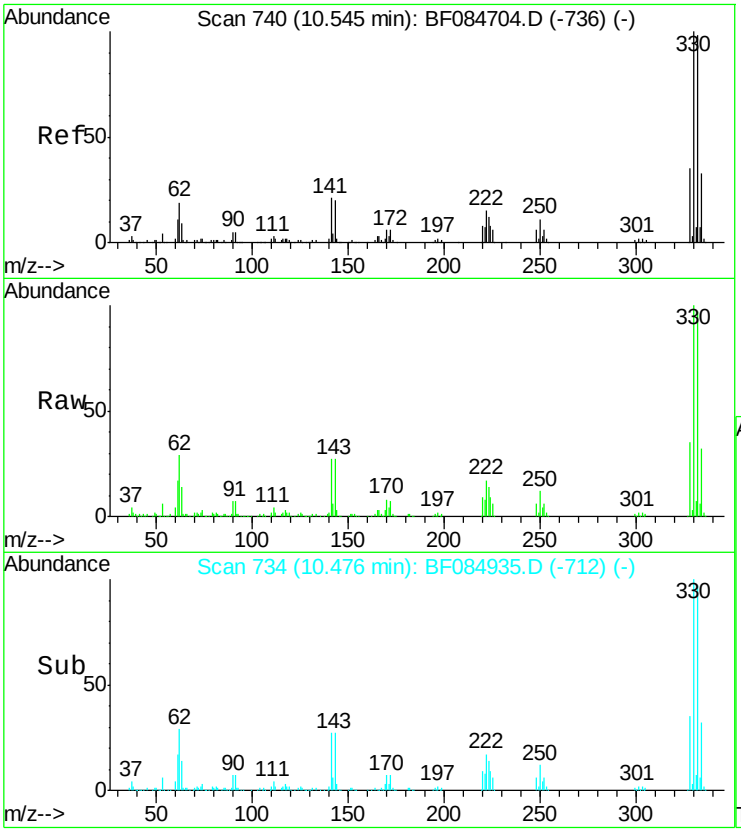


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.69 min Scan# 665
Delta R.T. -0.05 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:164 Resp: 306534

Ion	Ratio	Lower	Upper
164	100		
162	103.7	85.1	127.7
160	48.9	37.5	56.3

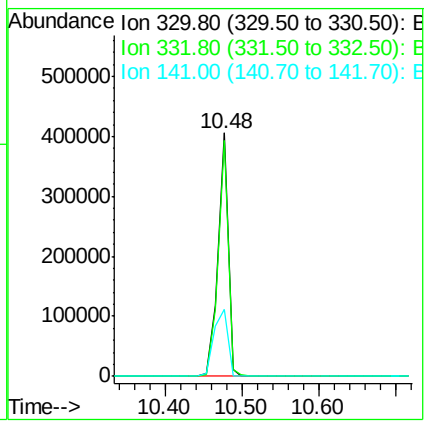




#41
2,4,6-Tribromophenol
Concen: 117.27 ng
RT: 10.48 min Scan# 734
Delta R.T. -0.05 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:330 Resp: 374948

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.6	114.8
141	37.3	27.8	41.6



Instrument :
BNA_F
ClientSampleId :
SUP-B018(15-17)

Manual Integrations APPROVED
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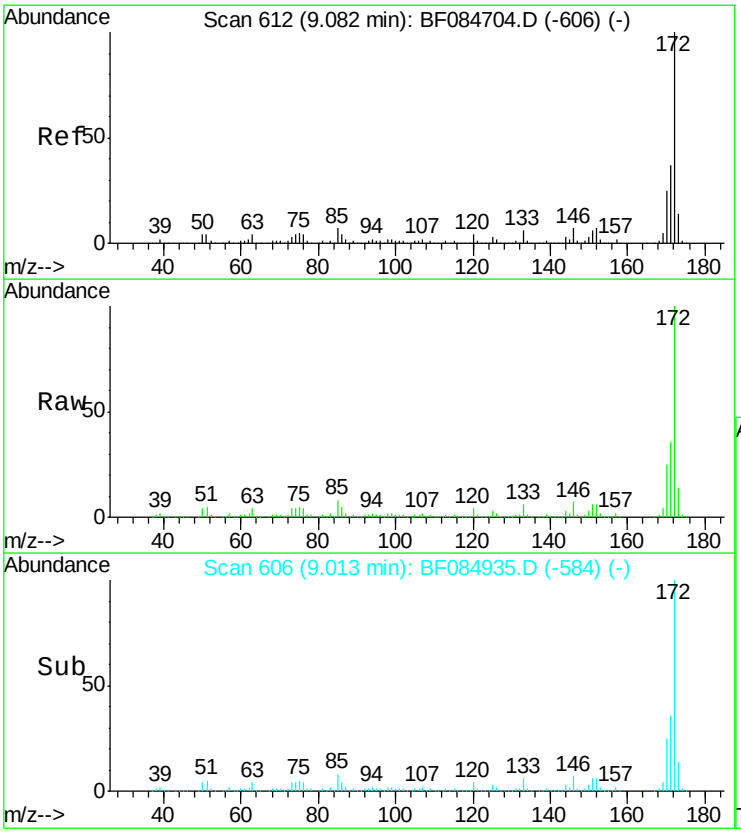
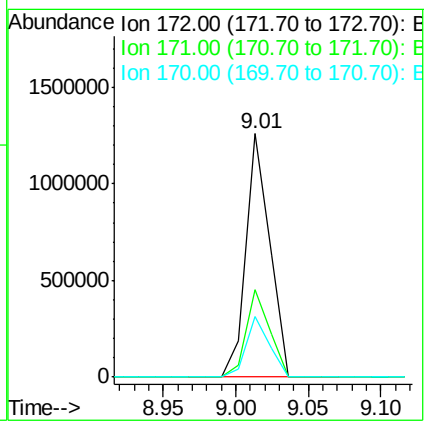
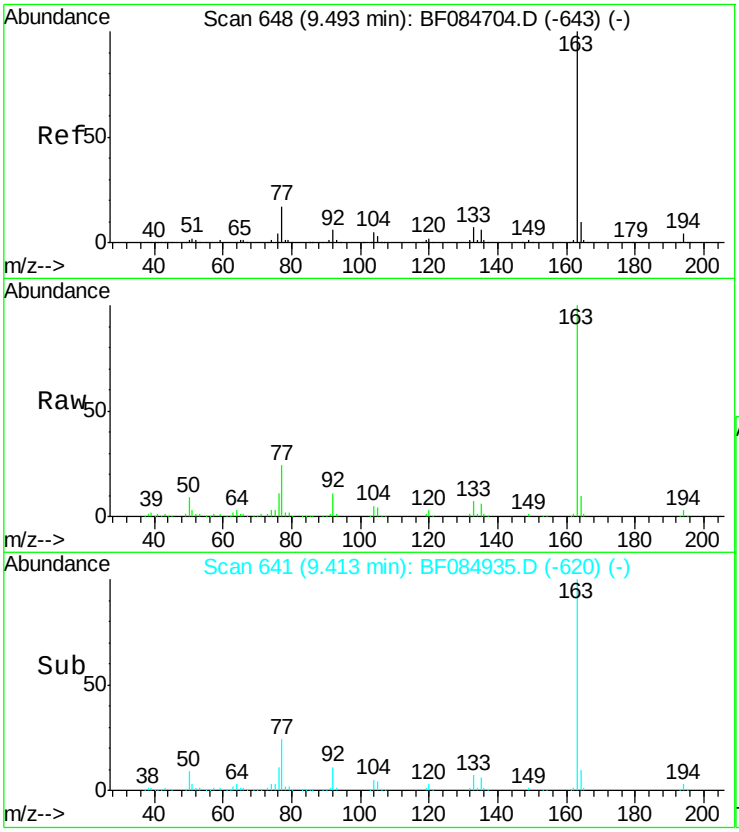


#44
2-Fluorobiphenyl
Concen: 75.87 ng
RT: 9.01 min Scan# 606
Delta R.T. -0.05 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:172 Resp: 1431701

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.9	43.3
170	24.6	18.6	27.8

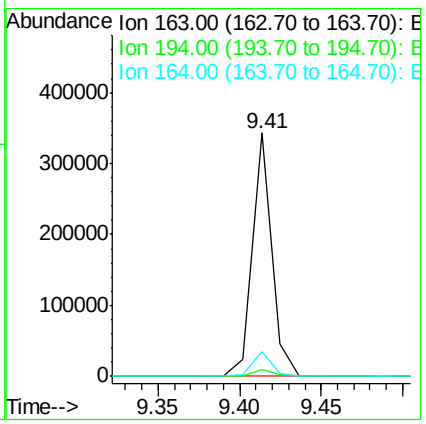




#49
Dimethylphthalate
Concen: 12.16 ng
RT: 9.41 min Scan# 641
Delta R.T. -0.06 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:163 Resp: 283949

Ion	Ratio	Lower	Upper
163	100		
194	2.9	8.0	12.0#
164	10.1	8.0	12.0



Instrument :
BNA_F
ClientSampleId :
SUP-B018(15-17)

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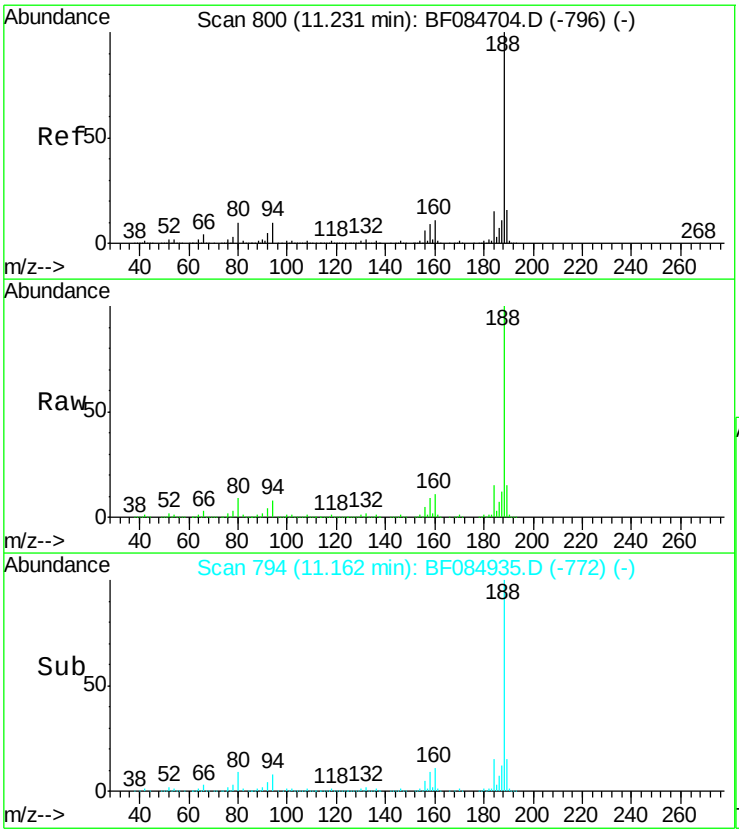
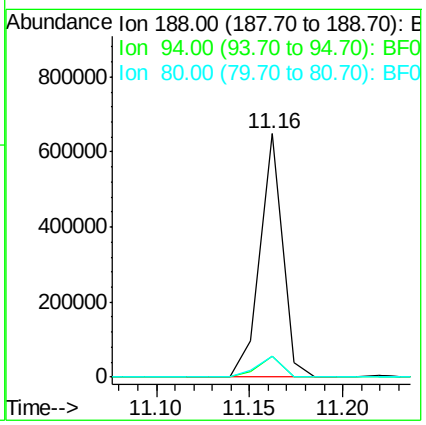
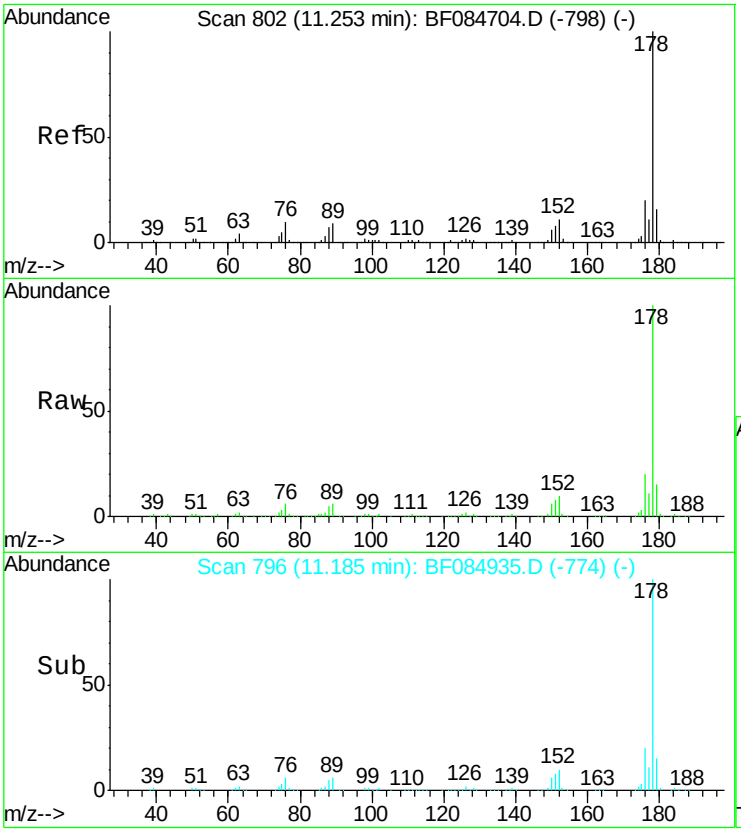


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 794
Delta R.T. -0.05 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:188 Resp: 538473

Ion	Ratio	Lower	Upper
188	100		
94	8.3	9.0	13.4#
80	8.6	9.6	14.4#

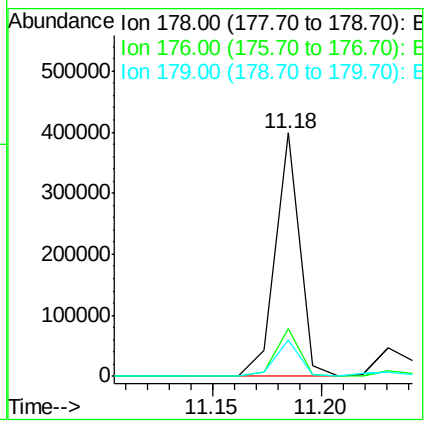




#70
Phenanthrene
Concen: 10.55 ng
RT: 11.18 min Scan# 796
Delta R.T. -0.05 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:178 Resp: 315106

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.0	12.0	18.0



Instrument :
BNA_F
ClientSampleId :
SUP-B018(15-17)

Manual Integrations APPROVED
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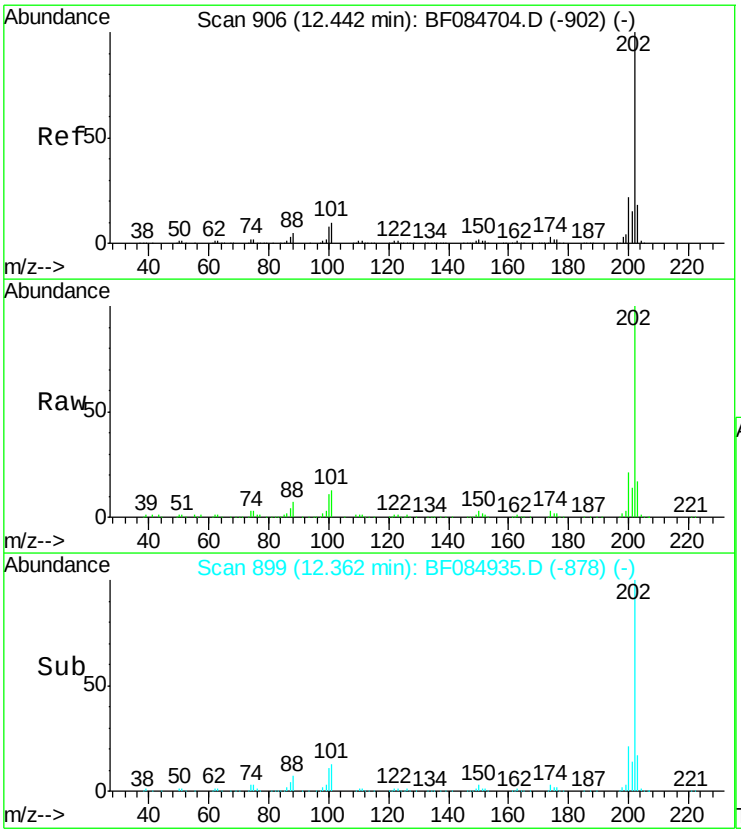
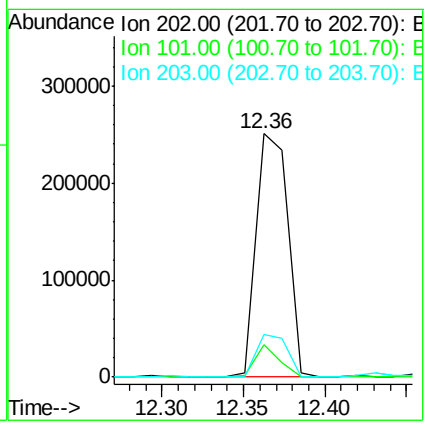
2/9/2016 12:56:55 PM

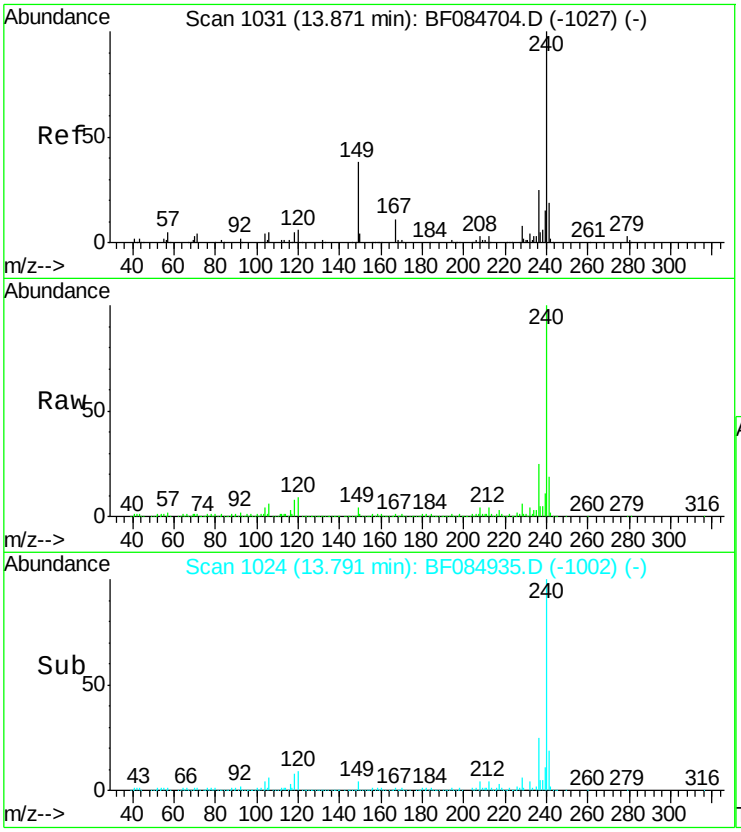


#74
Fluoranthene
Concen: 11.10 ng
RT: 12.36 min Scan# 899
Delta R.T. -0.06 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:202 Resp: 335628

Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	32.8
203	17.5	0.0	37.9

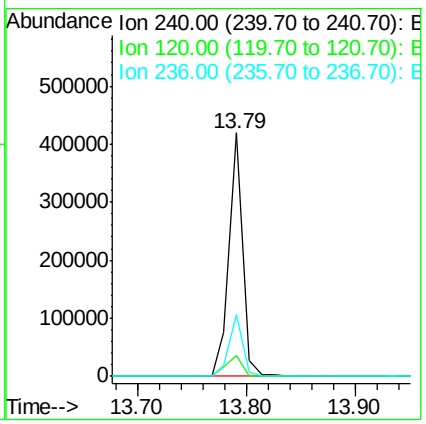




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.79 min Scan# 1024
Delta R.T. -0.05 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:240 Resp: 363920

Ion	Ratio	Lower	Upper
240	100		
120	8.7	9.5	14.3#
236	25.4	20.6	31.0



Instrument :
BNA_F
ClientSampleId :
SUP-B018(15-17)

Manual Integrations APPROVED
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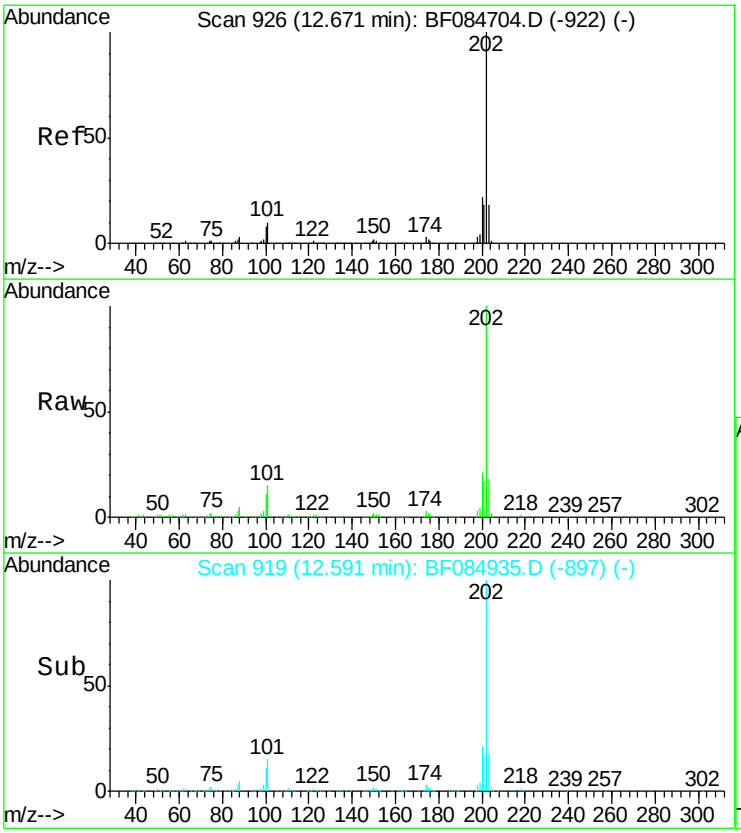
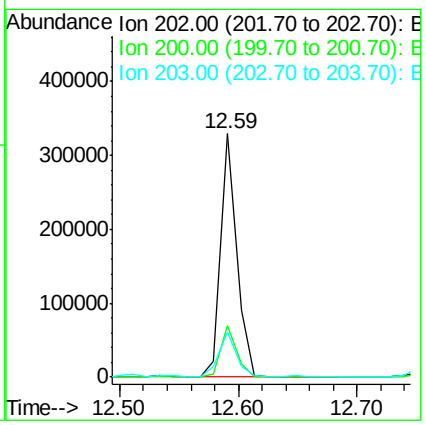
2/9/2016 12:56:55 PM

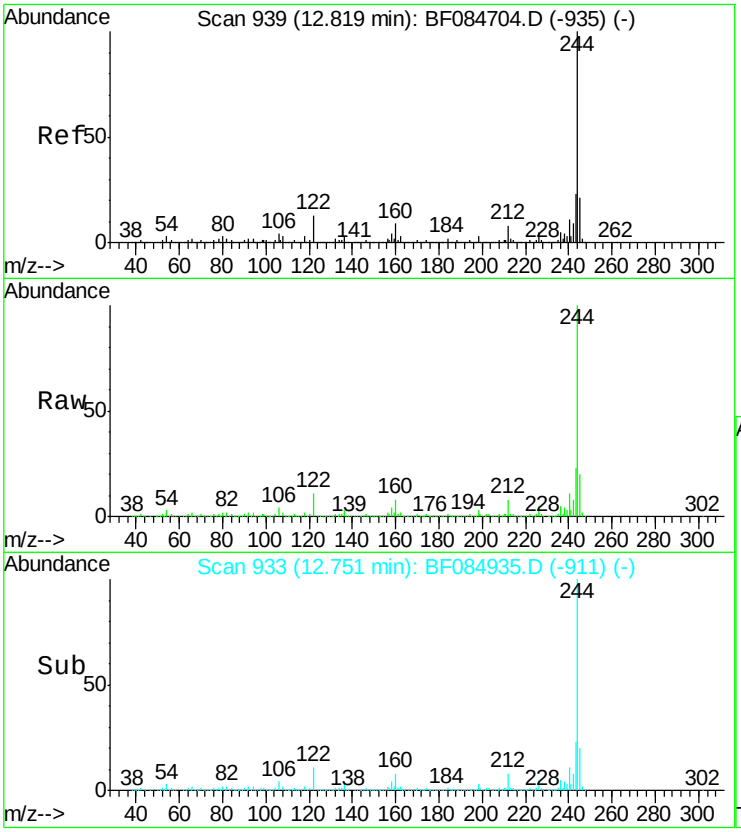


#77
Pyrene
Concen: 10.94 ng
RT: 12.59 min Scan# 919
Delta R.T. -0.05 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:202 Resp: 304824

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.2	25.8
203	18.4	14.3	21.5

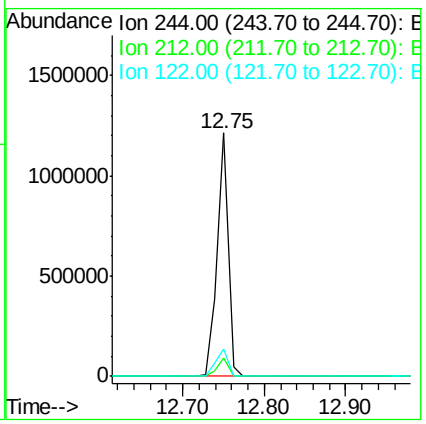




#78
Terphenyl-d14
Concen: 70.81 ng
RT: 12.75 min Scan# 933
Delta R.T. -0.05 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:244 Resp: 1137254

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.7	8.5
122	11.5	7.4	11.0#



Instrument :
BNA_F
ClientSampleId :
SUP-B018(15-17)

Manual Integrations APPROVED
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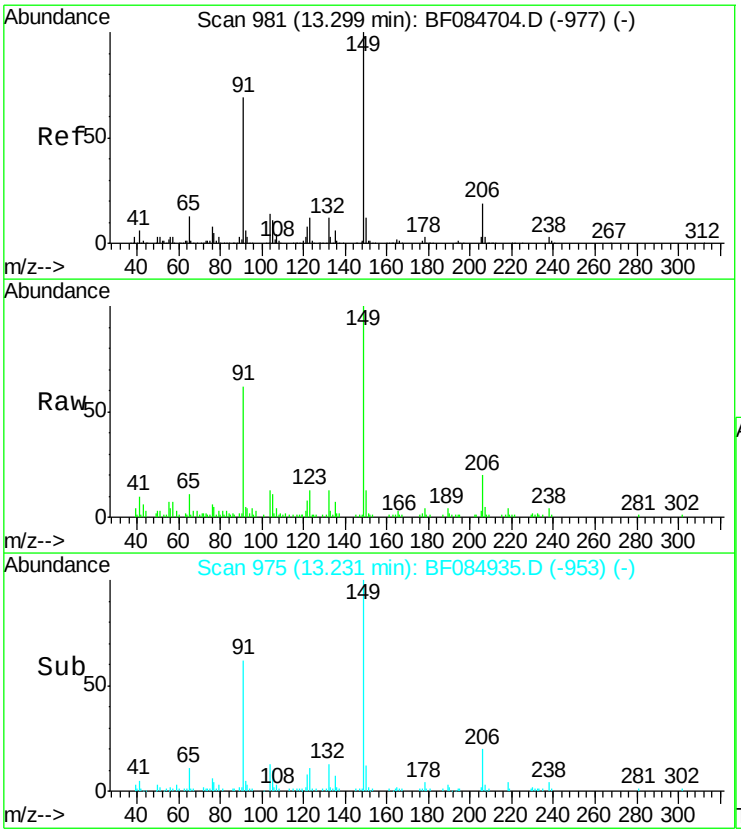
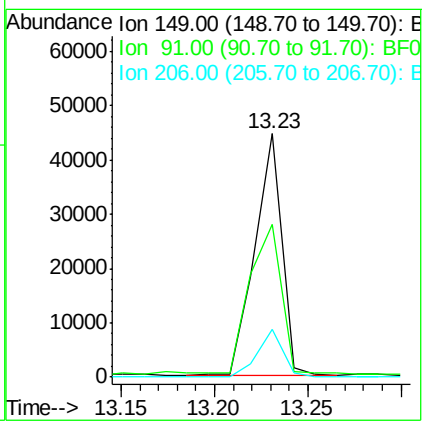
2/9/2016 12:56:55 PM

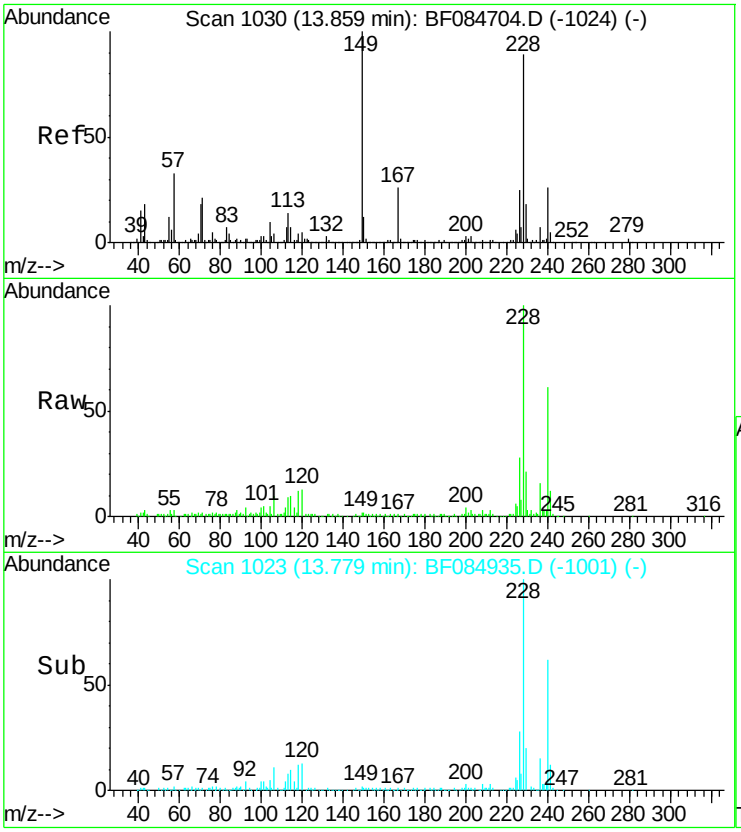


#79
Butylbenzylphthalate
Concen: 3.51 ng
RT: 13.23 min Scan# 975
Delta R.T. -0.05 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:149 Resp: 44345

Ion	Ratio	Lower	Upper
149	100		
91	62.5	57.6	86.4
206	19.7	13.2	19.8

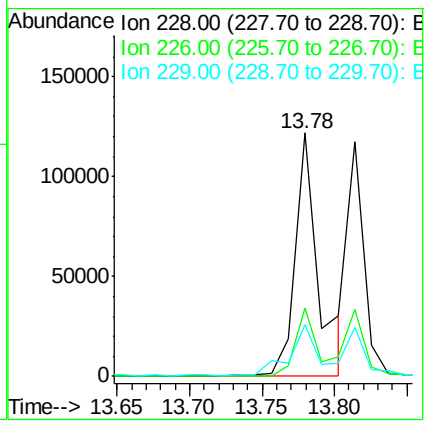




#80
Benzo(a)anthracene
Concen: 6.04 ng
RT: 13.78 min Scan# 1023
Delta R.T. -0.05 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:228 Resp: 136442

Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.8	32.6
229	21.0	15.8	23.8



Instrument :
BNA_F
ClientSampleId :
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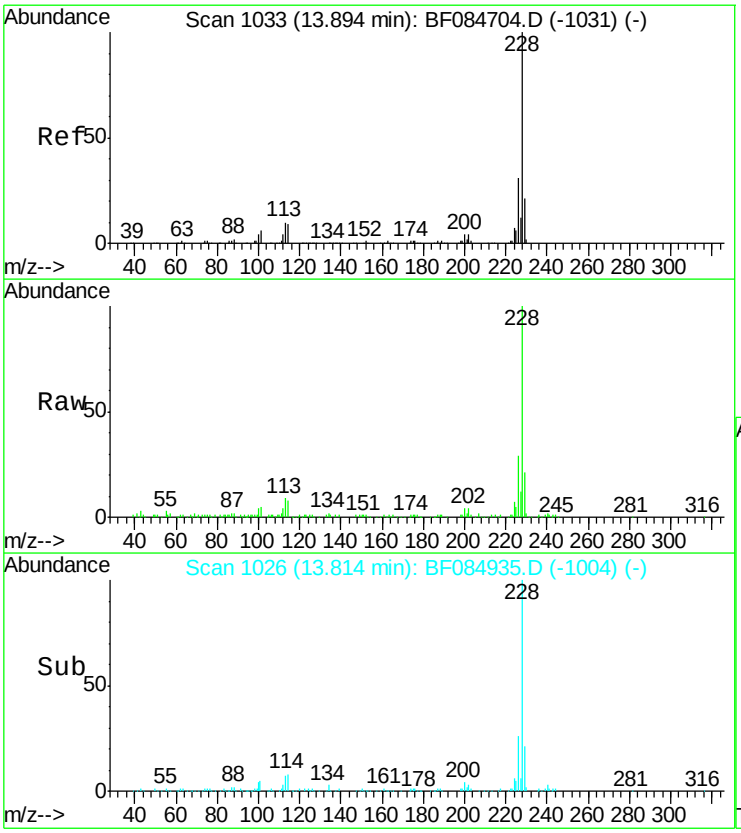
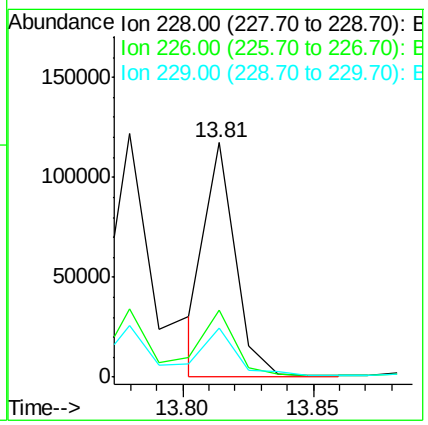
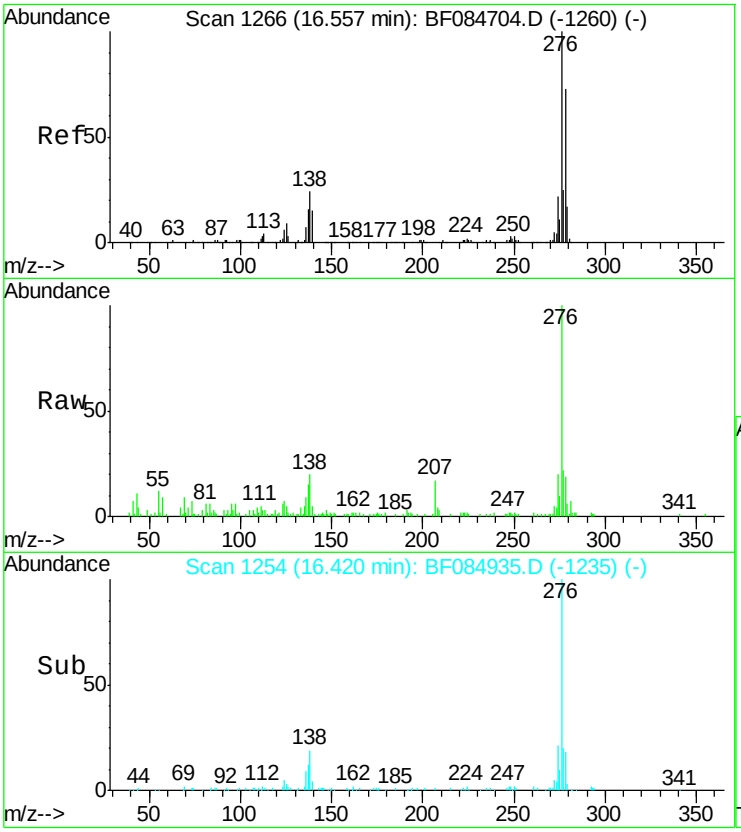


#82
Chrysene
Concen: 4.21 ng
RT: 13.81 min Scan# 1026
Delta R.T. -0.05 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:228 Resp: 92239

Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.3	36.5
229	21.2	16.1	24.1





#85
Indeno(1,2,3-cd)pyrene
Concen: 3.27 ng
RT: 16.42 min Scan# 1254
Delta R.T. -0.08 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:276 Resp: 56458

Ion	Ratio	Lower	Upper
276	100		
138	22.6	20.6	30.8
277	26.4	20.1	30.1

Instrument :
BNA_F
ClientSampleId :
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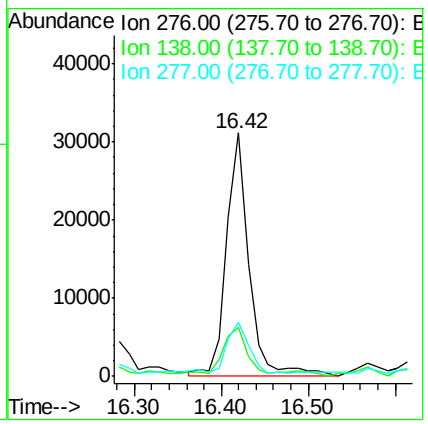
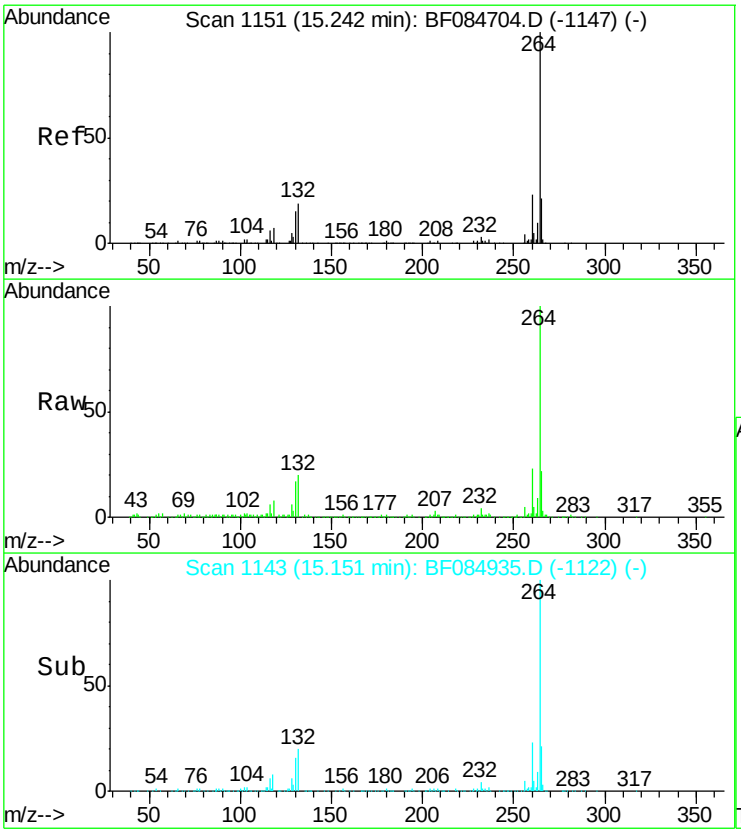
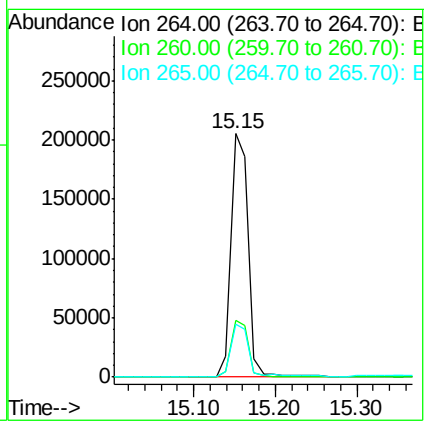


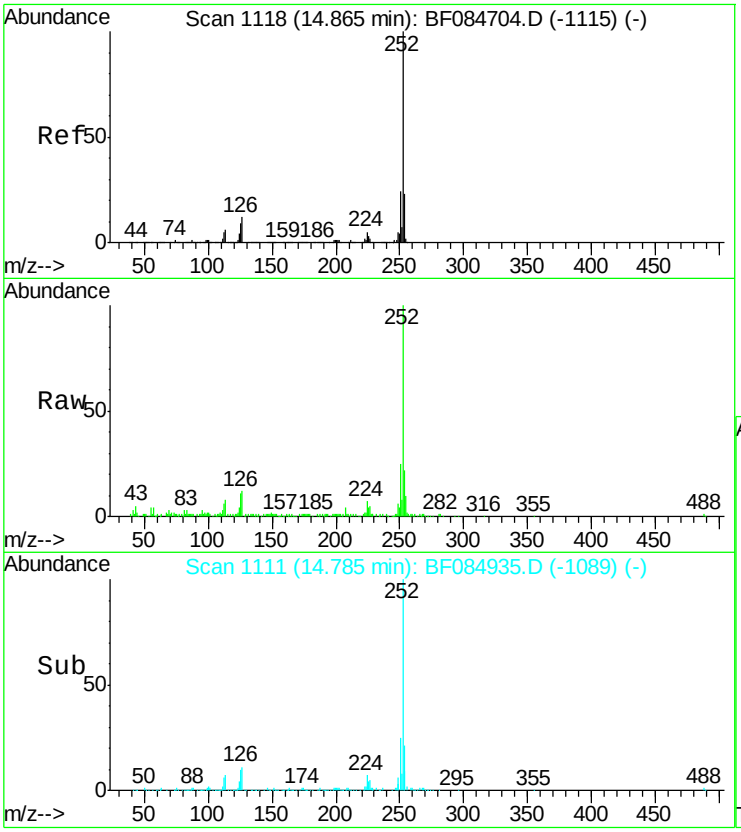


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.15 min Scan# 1143
Delta R.T. -0.06 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:264 Resp: 300860

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.2
265	21.7	17.8	26.6

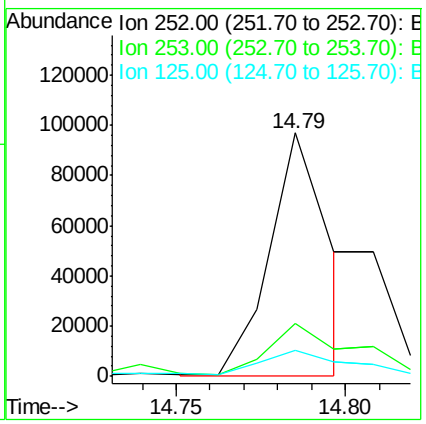




#87
Benzo(b)fluoranthene
Concen: 5.90 ng m
RT: 14.79 min Scan# 1111
Delta R.T. -0.05 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:252 Resp: 119342

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.3	25.9
125	10.9	6.5	9.7#



Instrument :
BNA_F
ClientSampleId :
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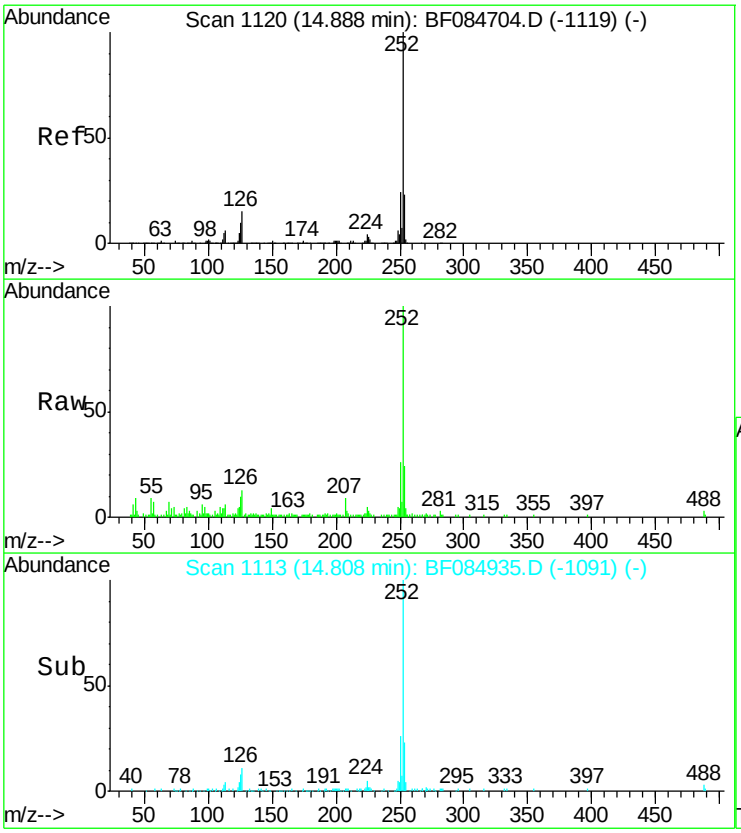
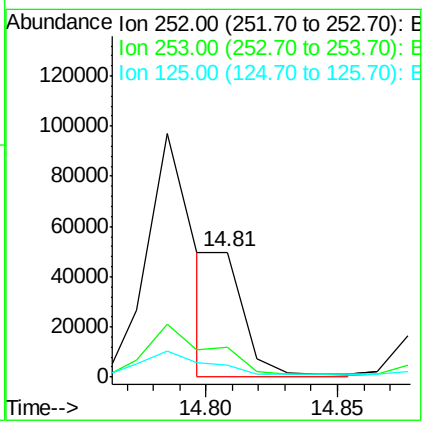
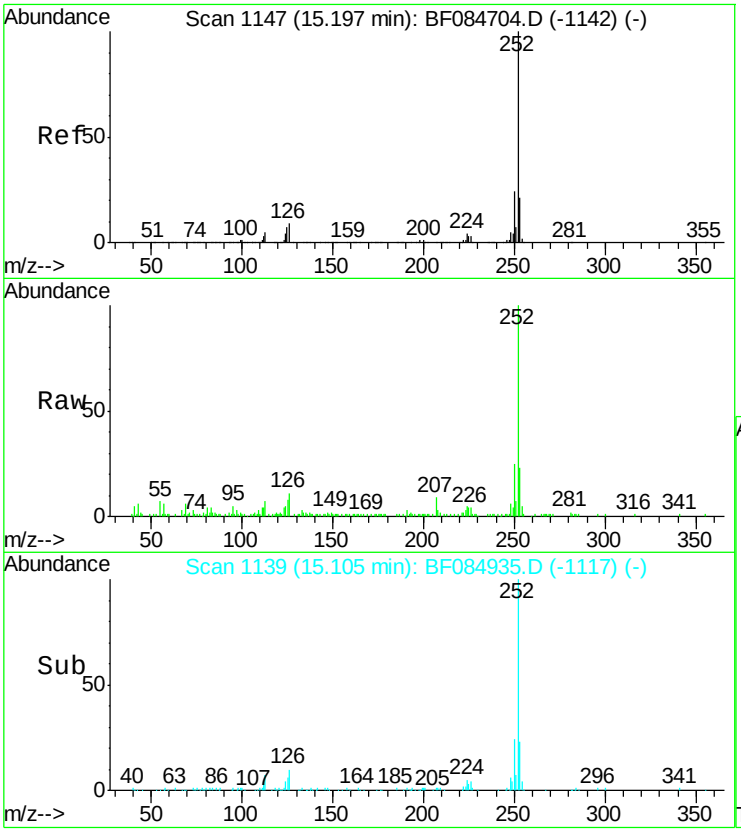


#88
Benzo(k)fluoranthene
Concen: 2.51 ng m
RT: 14.81 min Scan# 1113
Delta R.T. -0.05 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:252 Resp: 42028

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	9.6	9.0	13.6

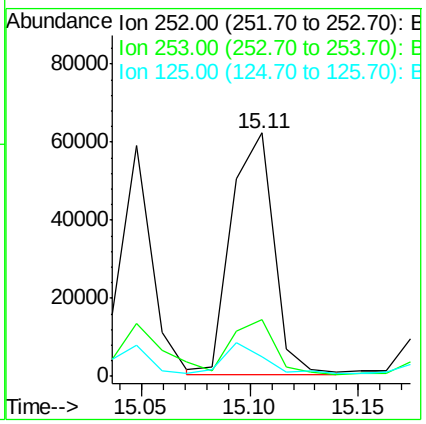




#89
Benzo(a)pyrene
Concen: 4.88 ng
RT: 15.11 min Scan# 1139
Delta R.T. -0.05 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:252 Resp: 84069

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9
125	7.9	7.0	10.4



Instrument :
BNA_F
ClientSampleId :
SUP-B018(15-17)

Manual Integrations APPROVED
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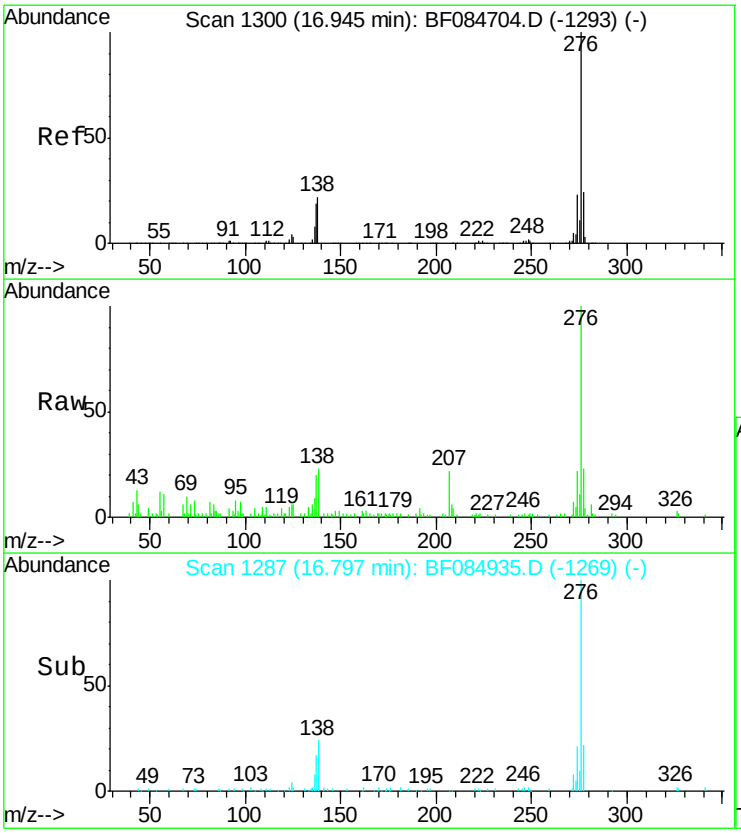

#91
Benzo(g,h,i)perylene
Concen: 3.45 ng
RT: 16.80 min Scan# 1287
Delta R.T. -0.09 min
Lab File: BF084935.D
Acq: 8 Feb 2016 18:19

Tgt Ion:276 Resp: 50399

Ion	Ratio	Lower	Upper
276	100		
277	22.7	18.8	28.2
138	22.9	17.8	26.6