Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085590.D
Acq On : 19 Mar 2016 23:14
Operator : UM/SJ
Sample : H1776-16RE
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W170TH-SB-03RE

Manual Integrations APPROVED
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Quant Time: Mar 21 04:14:42 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 23:31:39 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	126126	20.00	ng		0.00
21) Naphthalene-d8	8.14	136	509601	20.00	ng		0.00
38) Acenaphthene-d10	9.89	164	200044	20.00	ng		-0.01
63) Phenanthrene-d10	11.37	188	323247	20.00	ng		-0.01
75) Chrysene-d12	14.01	240	234327	20.00	ng		0.00
86) Perylene-d12	15.44	264	251436	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.46	112	1077515	143.50	ng		0.01
7) Phenol-d6	6.49	99	1302715	135.27	ng		0.00
23) Nitrobenzene-d5	7.42	82	833596	94.95	ng		-0.01
41) 2,4,6-Tribromophenol	10.69	330	293664	149.86	ng		0.00
44) 2-Fluorobiphenyl	9.21	172	1286292	123.41	ng		-0.01
78) Terphenyl-d14	12.96	244	906532	93.09	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	9.61	163	300481	19.91	ng		98
70) Phenanthrene	11.40	178	45054	2.64	ng		97
74) Fluoranthene	12.58	202	79947	4.48	ng		91
77) Pyrene	12.81	202	79554	4.73	ng		97
79) Butylbenzylphthalate	13.43	149	19160	2.39	ng	#	81
80) Benzo(a)anthracene	14.00	228	43998	3.23	ng	#	92
82) Chrysene	14.04	228	37809m	2.89	ng		
83) Bis(2-ethylhexyl)phthalate	13.99	149	186567	18.72	ng	#	99
85) Indeno(1,2,3-cd)pyrene	16.83	276	22661	2.07	ng	#	90
87) Benzo(b)fluoranthene	15.03	252	57636m	3.51	ng		
89) Benzo(a)pyrene	15.37	252	38715	2.78	ng	#	96
91) Benzo(g,h,i)perylene	17.25	276	23394	2.08	ng		96

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085590.D
Acq On : 19 Mar 2016 23:14
Operator : UM/SJ
Sample : H1776-16RE
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Mar 21 04:14:42 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 23:31:39 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-03RE

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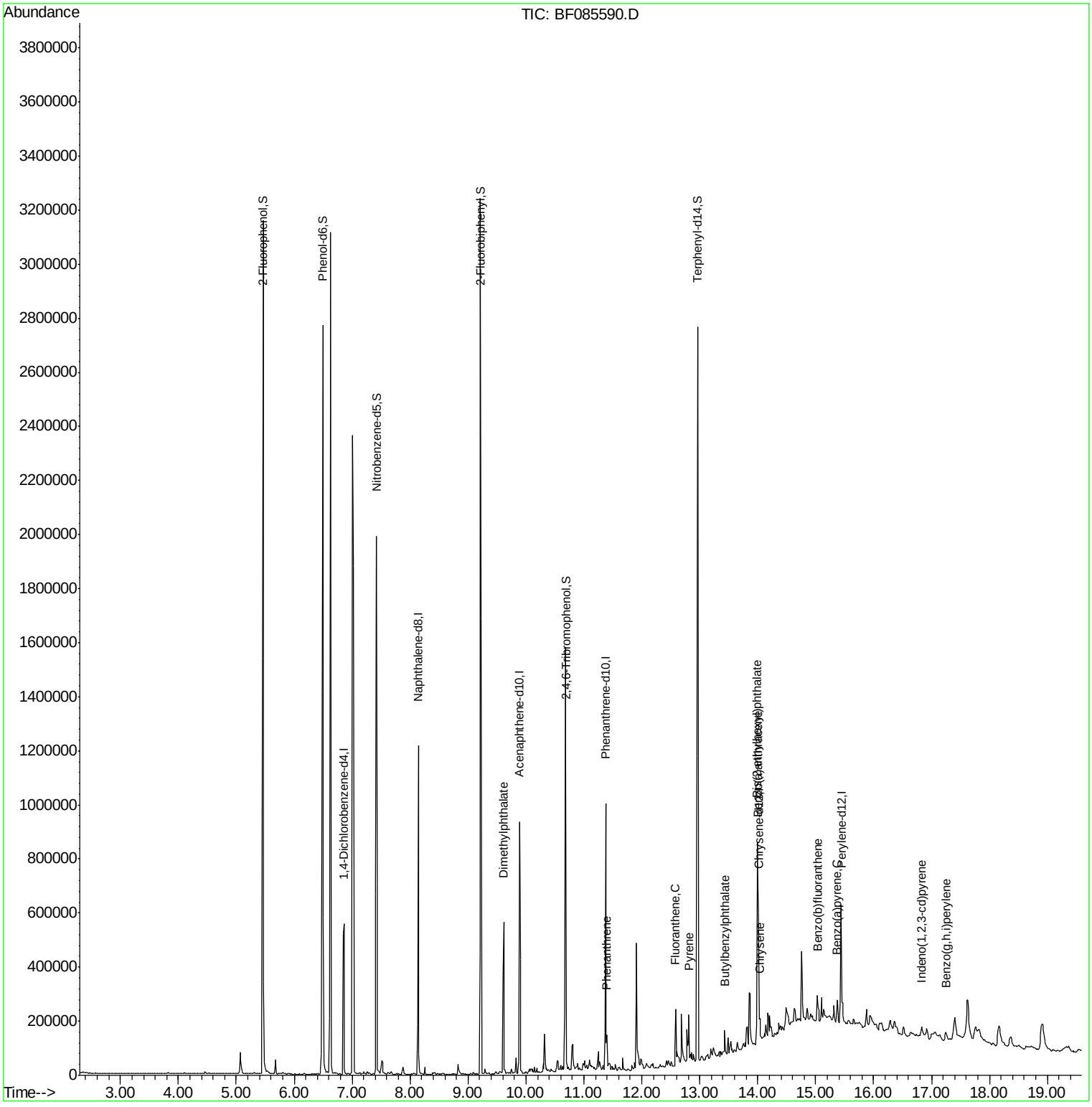
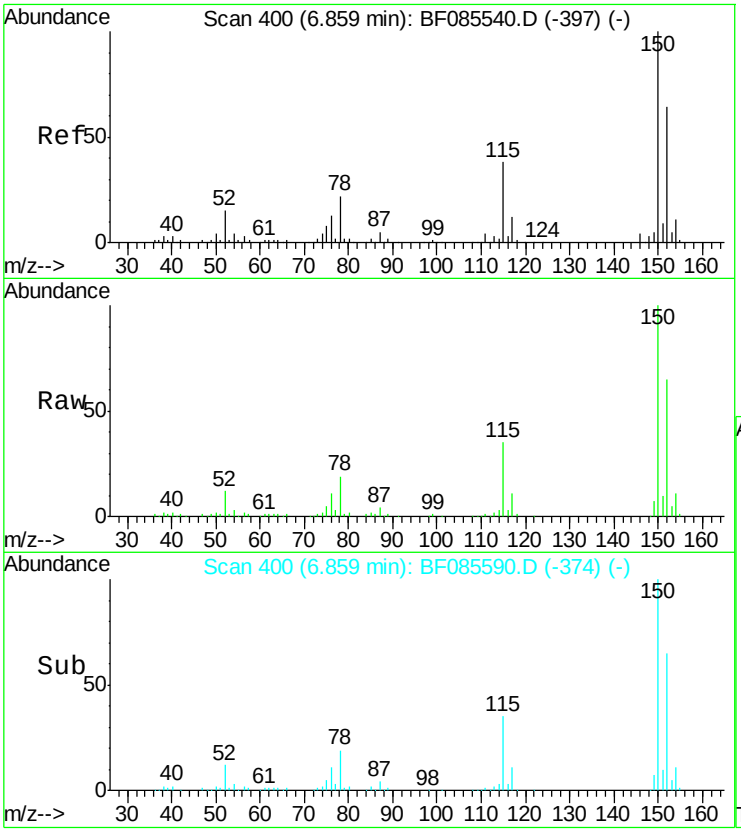
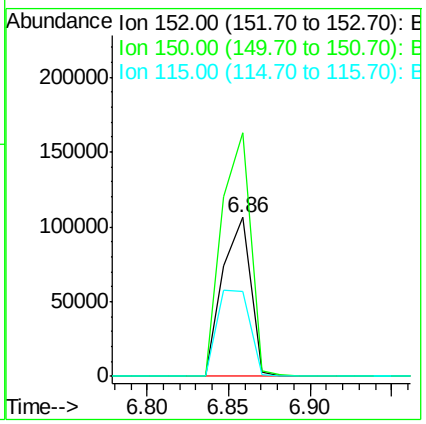




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 400
Delta R.T. 0.00 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:152 Resp: 126126

Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.2	186.2
115	53.4	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-03RE

Manual Integrations APPROVED
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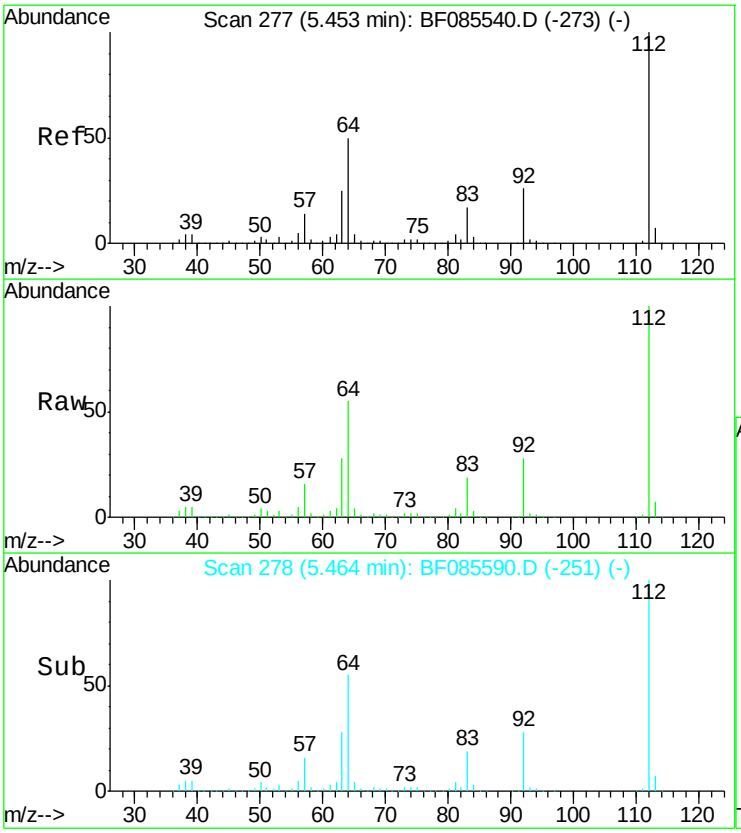
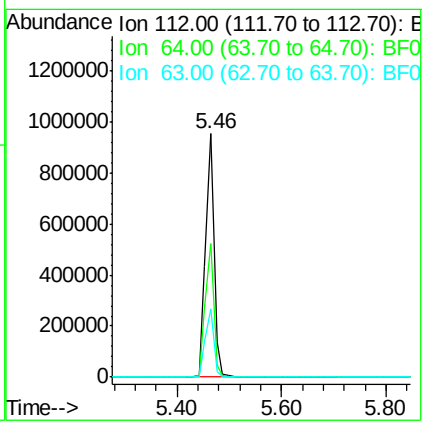
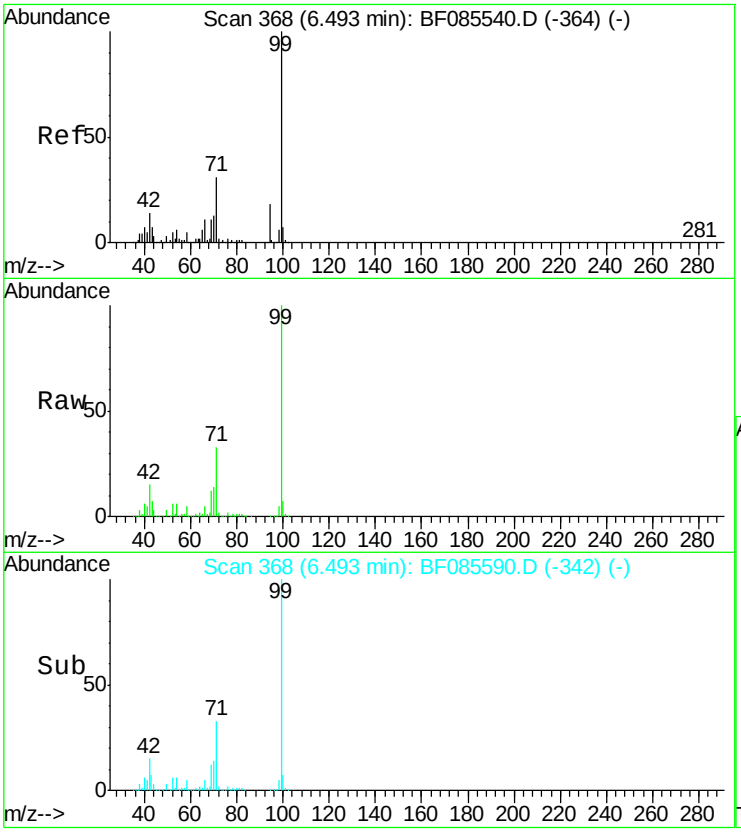


#5
2-Fluorophenol
Concen: 143.50 ng
RT: 5.46 min Scan# 278
Delta R.T. 0.01 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:112 Resp: 1077515

Ion	Ratio	Lower	Upper
112	100		
64	54.7	39.9	59.9
63	28.0	20.2	30.2

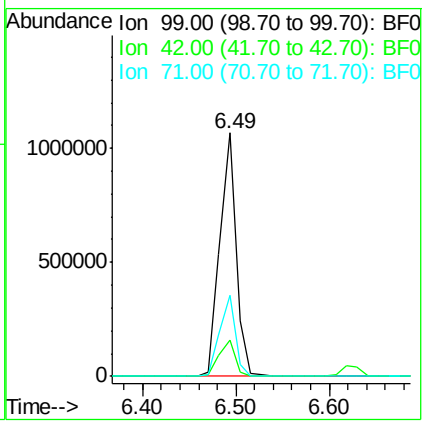




#7
Phenol-d6
Concen: 135.27 ng
RT: 6.49 min Scan# 368
Delta R.T. 0.00 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion: 99 Resp: 1302715

Ion	Ratio	Lower	Upper
99	100		
42	15.1	11.1	16.7
71	33.3	24.9	37.3



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-03RE

Manual Integrations APPROVED
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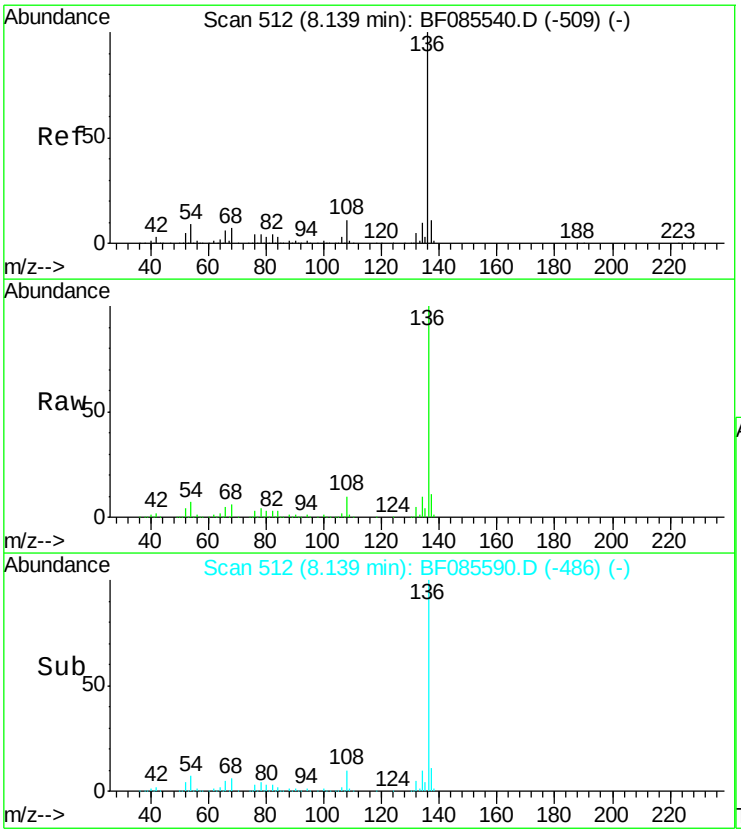
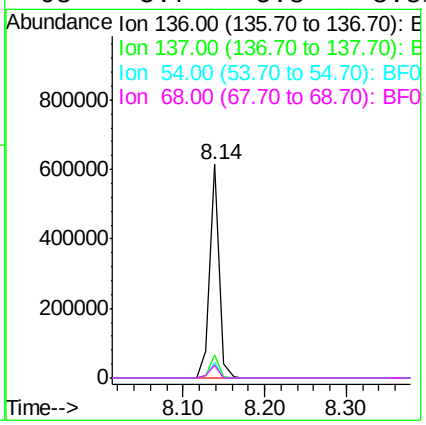
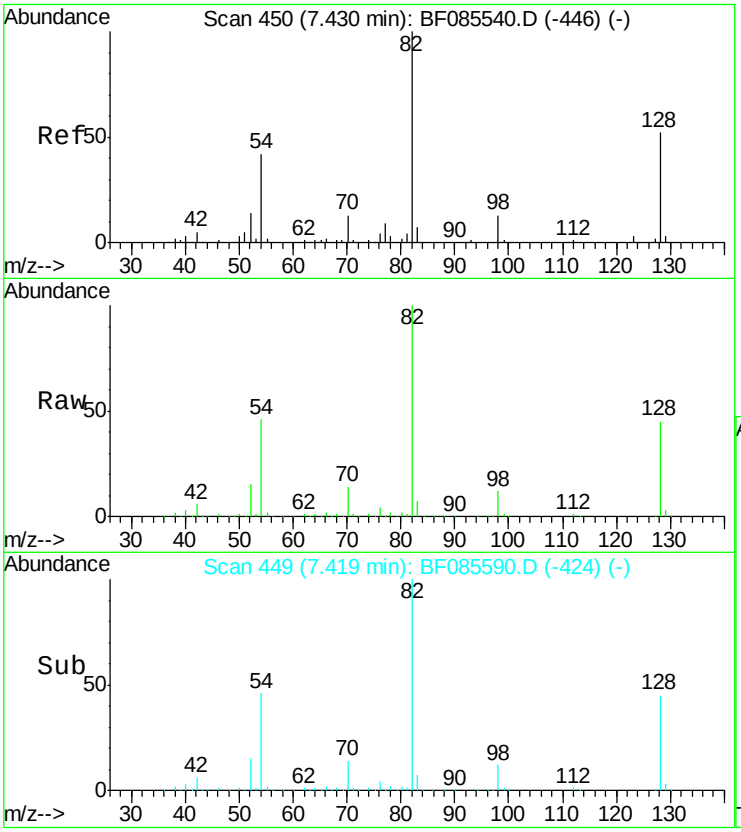


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 512
Delta R.T. 0.00 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:136 Resp: 509601

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	7.0	7.4	11.0#
68	5.7	5.8	8.8#

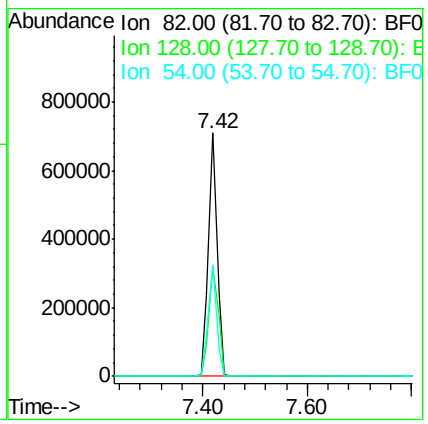




#23
Nitrobenzene-d5
Concen: 94.95 ng
RT: 7.42 min Scan# 449
Delta R.T. -0.01 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion: 82 Resp: 833596

Ion	Ratio	Lower	Upper
82	100		
128	44.8	41.8	62.8
54	46.0	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-03RE

Manual Integrations APPROVED
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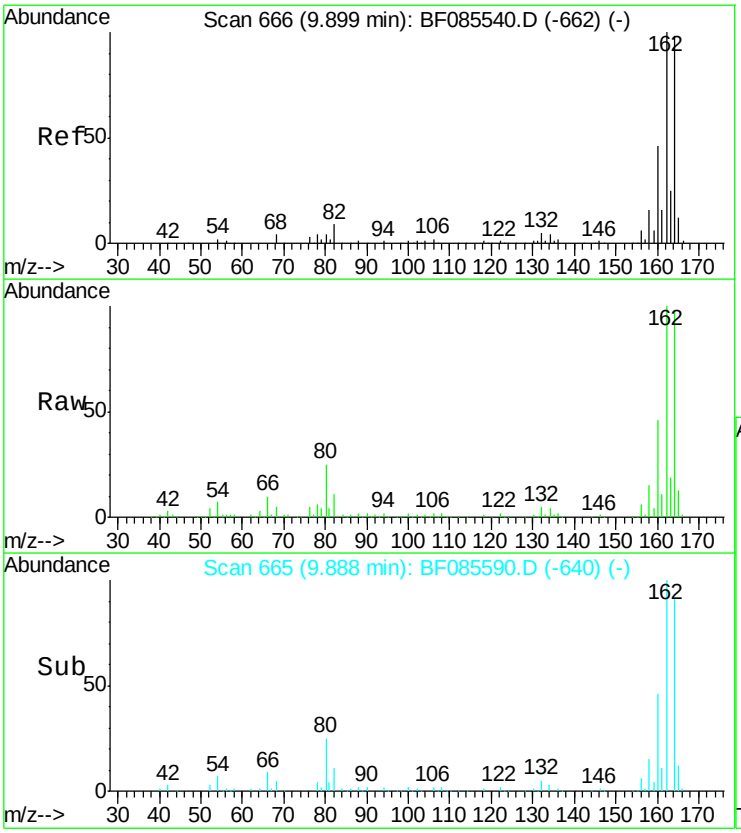
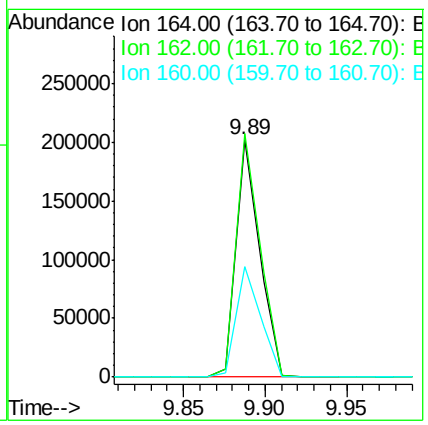
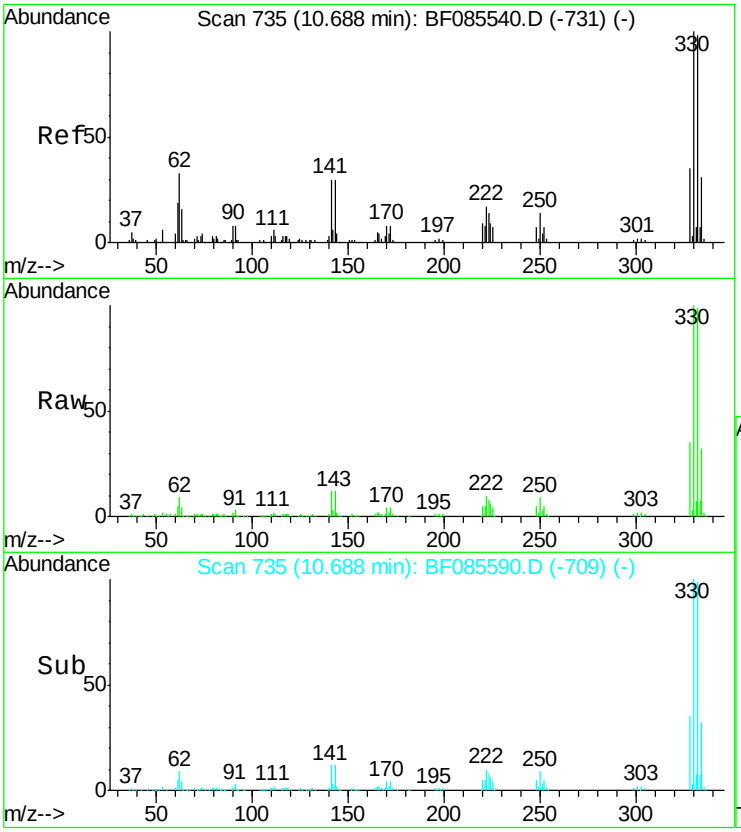


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:164 Resp: 200044

Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.1	123.1
160	46.6	37.4	56.2

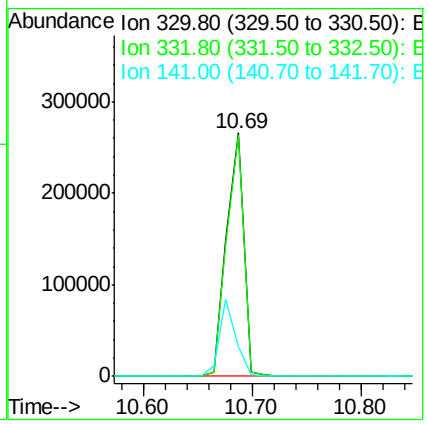




#41
2,4,6-Tribromophenol
Concen: 149.86 ng
RT: 10.69 min Scan# 735
Delta R.T. 0.00 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:330 Resp: 293664

Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.2	117.2
141	30.8	31.5	47.3#



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-03RE

Manual Integrations APPROVED
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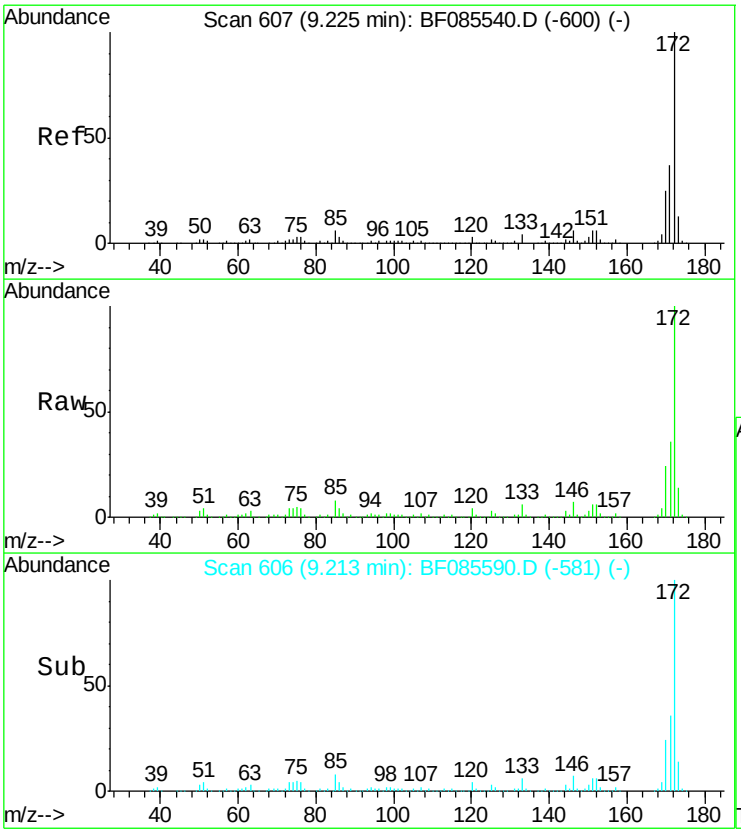
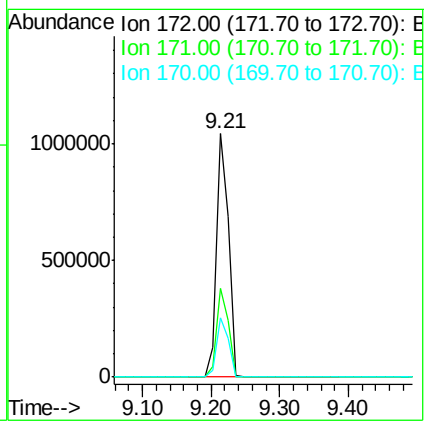
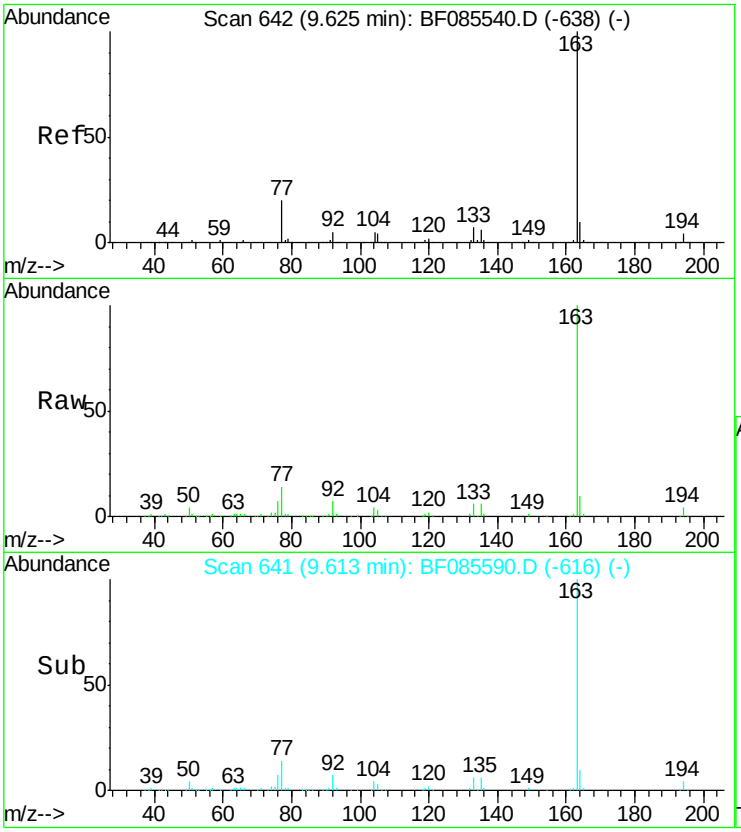


#44
2-Fluorobiphenyl
Concen: 123.41 ng
RT: 9.21 min Scan# 606
Delta R.T. -0.01 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:172 Resp: 1286292

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.2
170	24.5	19.8	29.6

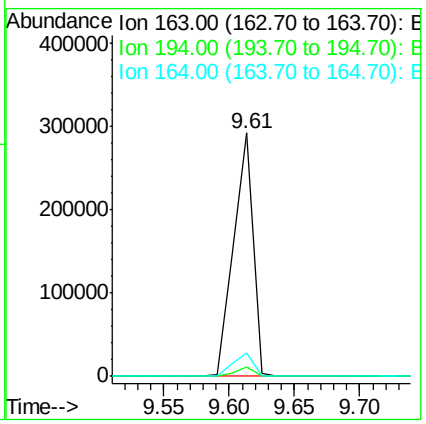




#49
Dimethylphthalate
Concen: 19.91 ng
RT: 9.61 min Scan# 641
Delta R.T. -0.01 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:163 Resp: 300481

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.9	4.3
164	9.6	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-03RE

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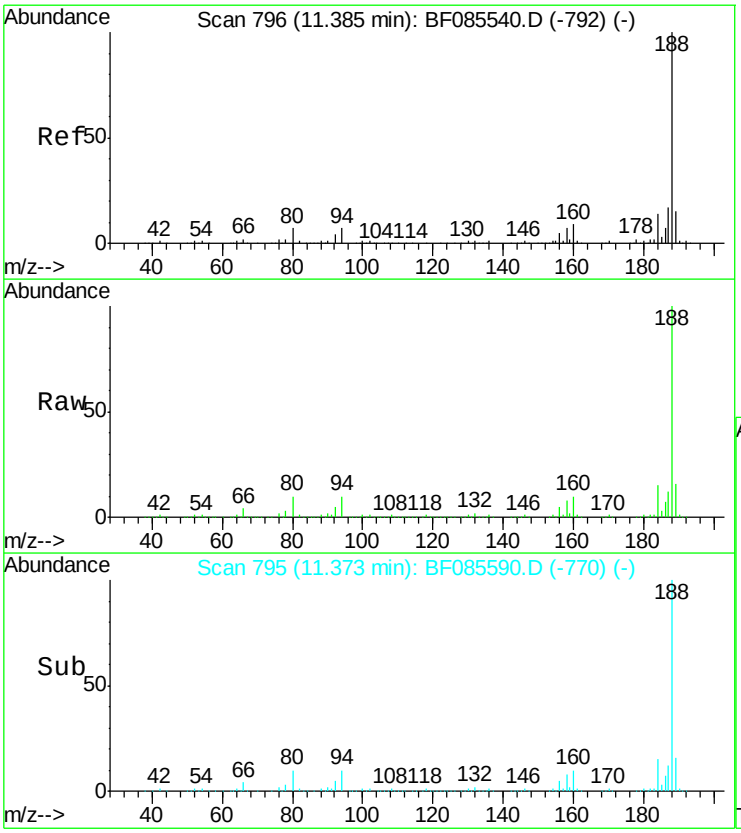
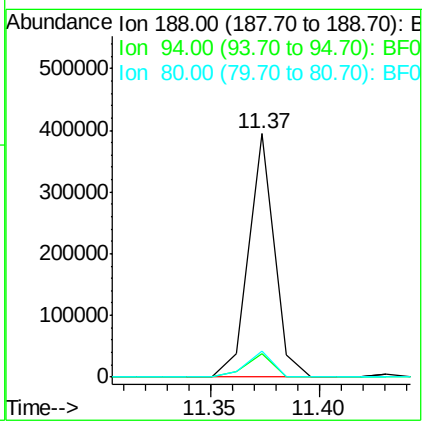
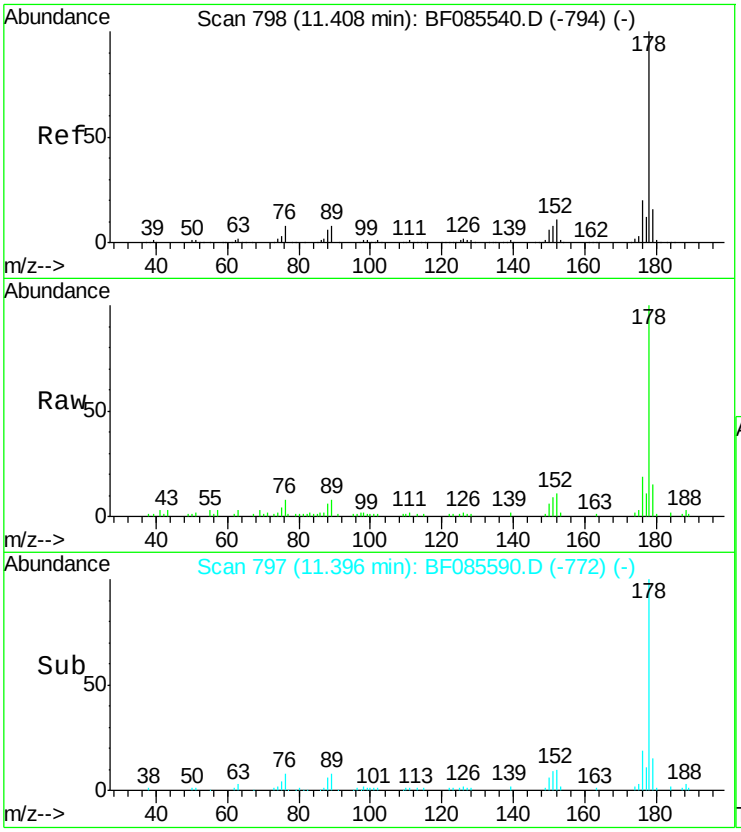


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:188 Resp: 323247

Ion	Ratio	Lower	Upper
188	100		
94	9.8	5.4	8.0#
80	10.4	5.5	8.3#

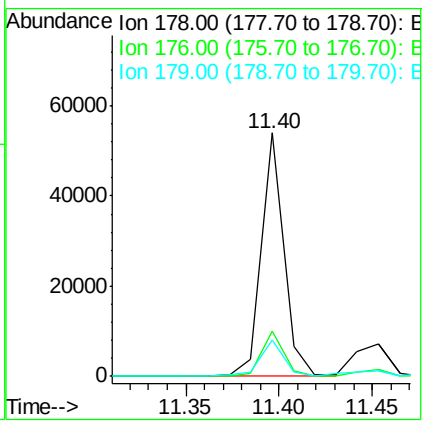




#70
Phenanthrene
Concen: 2.64 ng
RT: 11.40 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:178 Resp: 45054

Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.3	24.5
179	15.2	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-03RE

Manual Integrations APPROVED
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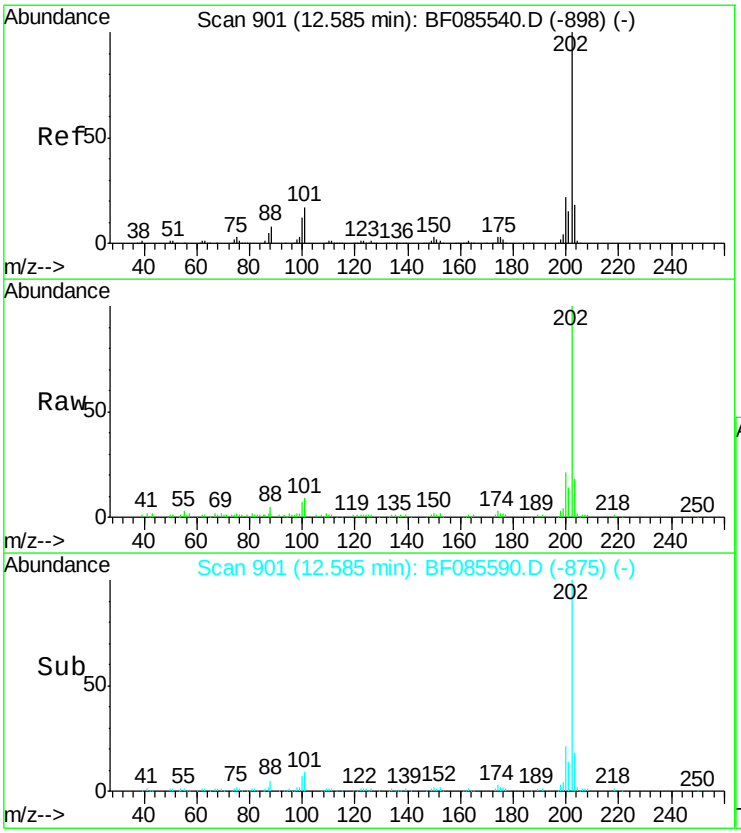
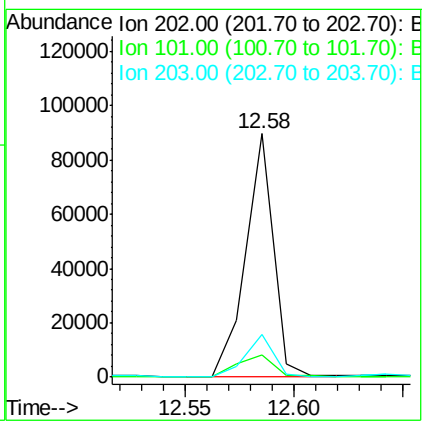
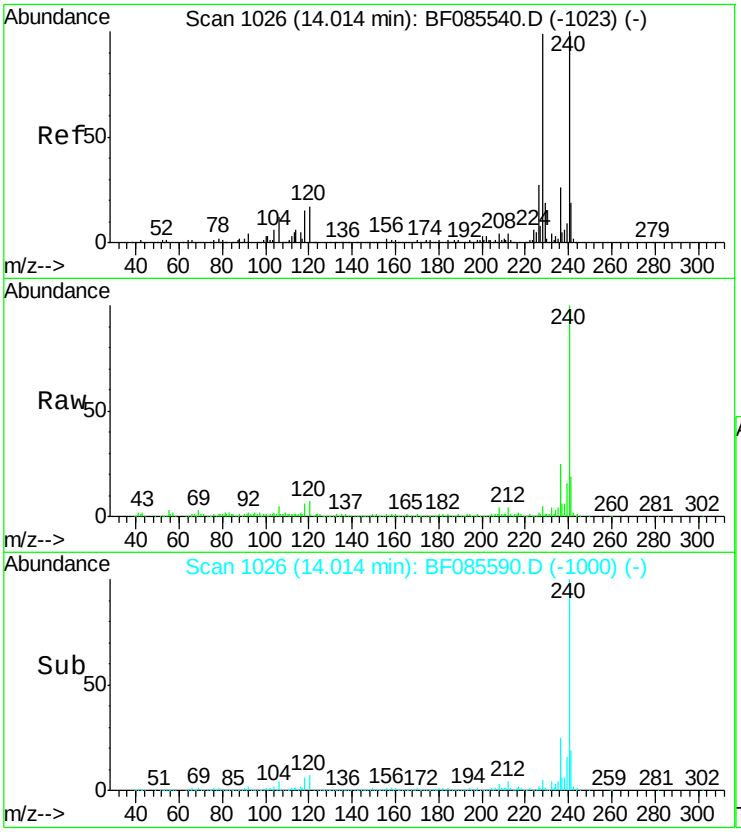


#74
Fluoranthene
Concen: 4.48 ng
RT: 12.58 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:202 Resp: 79947

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	36.6
203	17.6	0.0	38.1

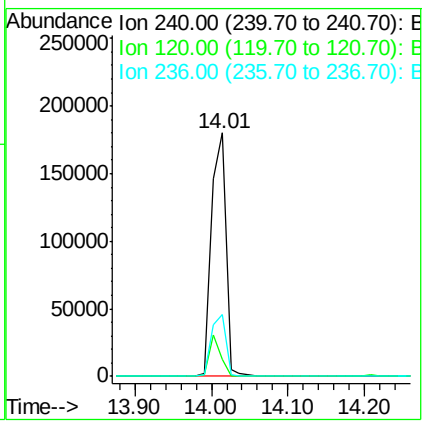




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:240 Resp: 234327

Ion	Ratio	Lower	Upper
240	100		
120	7.2	13.8	20.8#
236	25.4	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-03RE

Manual Integrations APPROVED
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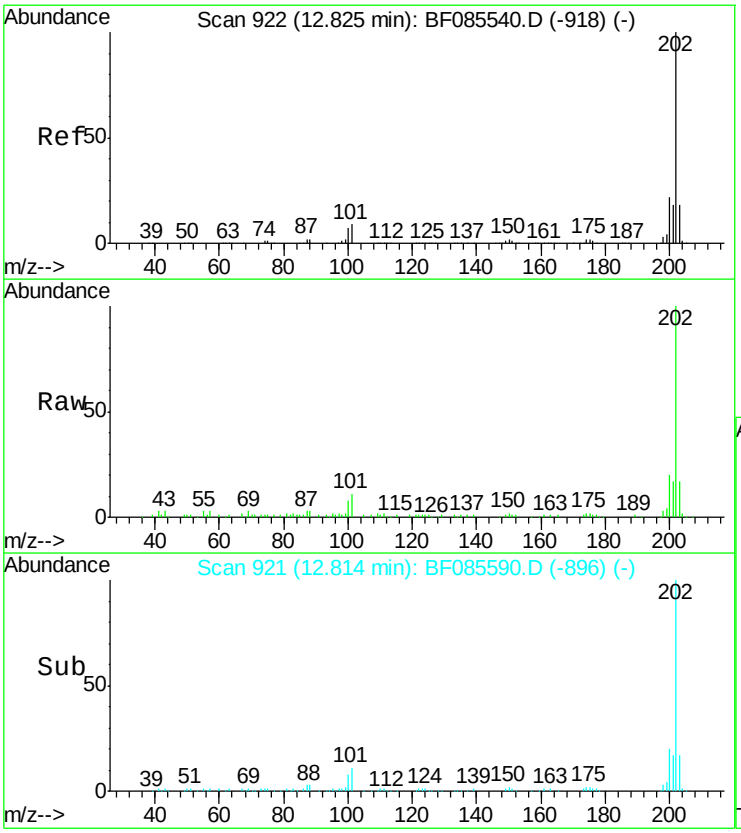
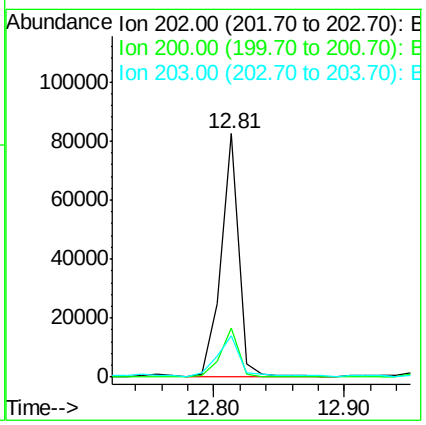
3/21/2016 5:09:36 PM

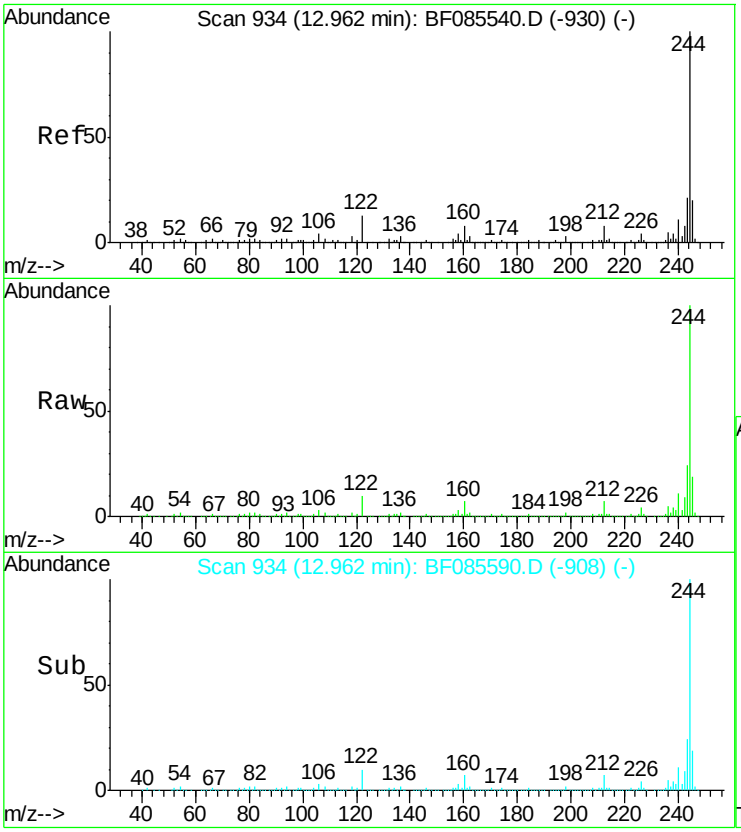


#77
Pyrene
Concen: 4.73 ng
RT: 12.81 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:202 Resp: 79554

Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.6	26.4
203	17.2	14.0	21.0

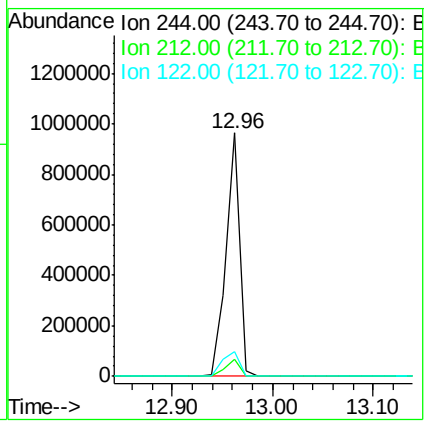




#78
Terphenyl-d14
Concen: 93.09 ng
RT: 12.96 min Scan# 934
Delta R.T. 0.00 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:244 Resp: 906532

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.1	9.1
122	10.1	10.2	15.4#



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-03RE

Manual Integrations APPROVED
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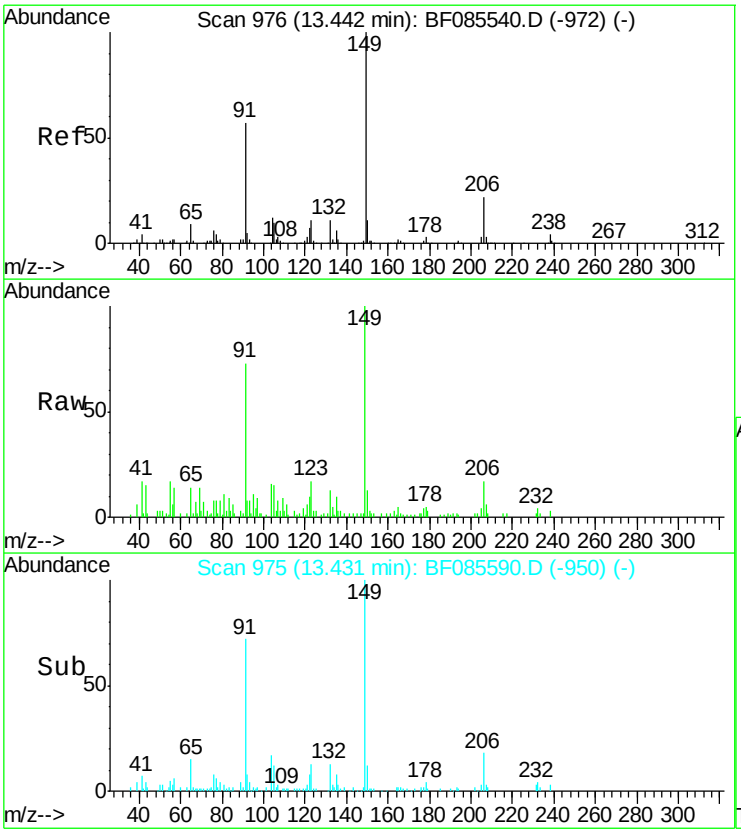
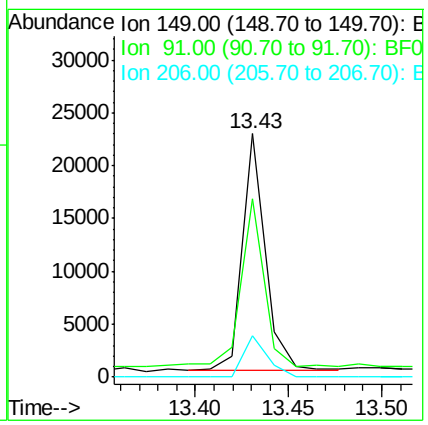
3/21/2016 5:09:36 PM

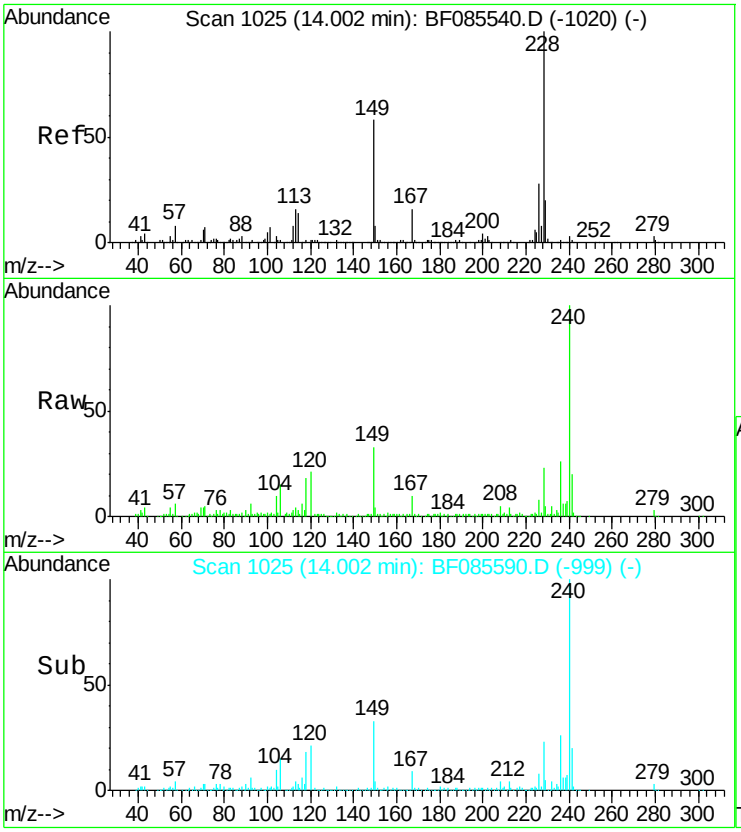


#79
Butylbenzylphthalate
Concen: 2.39 ng
RT: 13.43 min Scan# 975
Delta R.T. -0.01 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:149 Resp: 19160

Ion	Ratio	Lower	Upper
149	100		
91	73.5	45.8	68.8#
206	17.2	17.8	26.8#

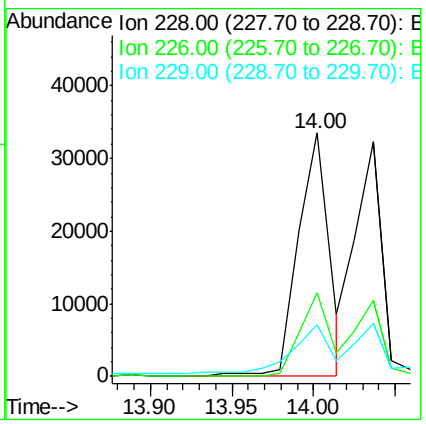




#80
Benzo(a)anthracene
Concen: 3.23 ng
RT: 14.00 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:228 Resp: 43998

Ion	Ratio	Lower	Upper
228	100		
226	34.4	22.1	33.1#
229	21.3	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
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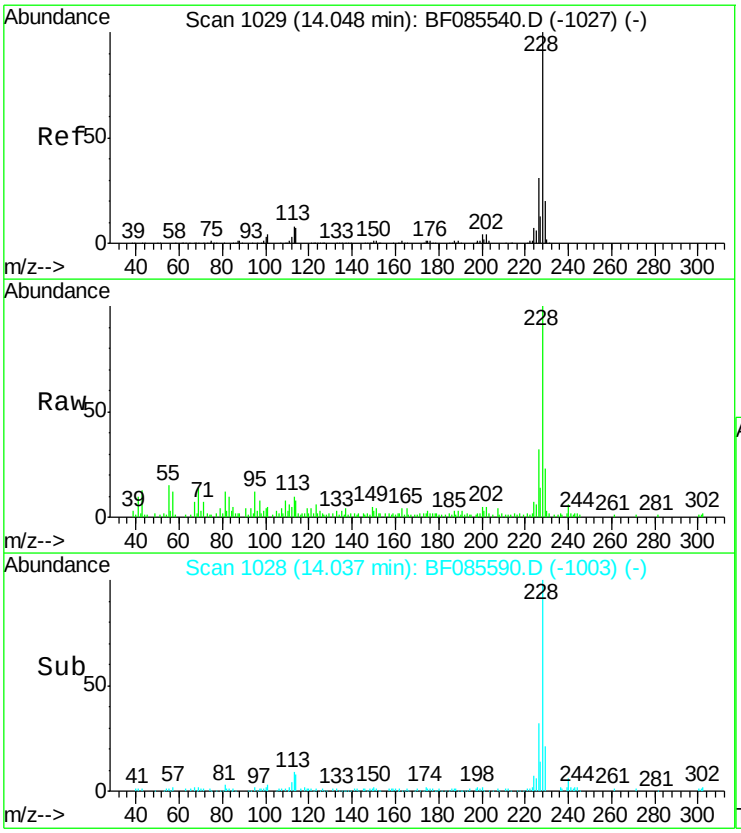
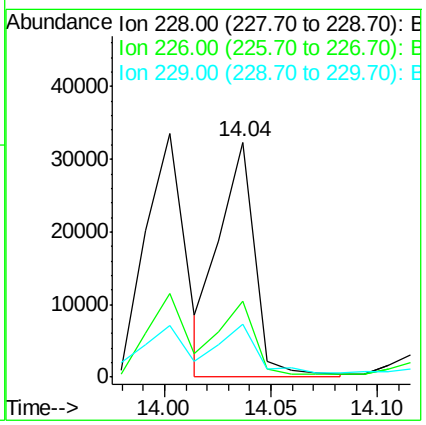
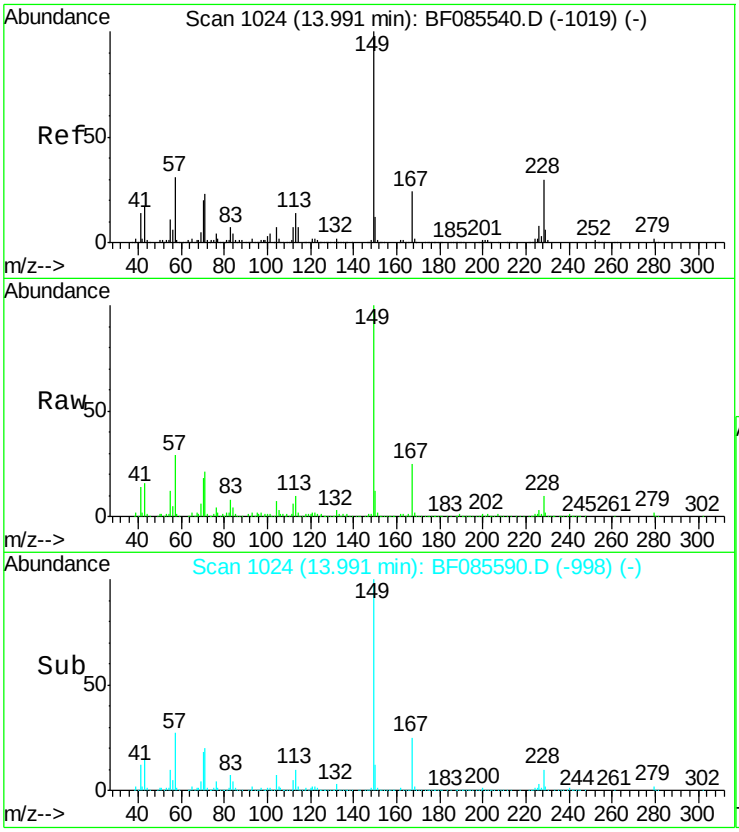


#82
Chrysene
Concen: 2.89 ng m
RT: 14.04 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:228 Resp: 37809

Ion	Ratio	Lower	Upper
228	100		
226	32.5	25.0	37.6
229	22.6	15.7	23.5





#83
Bis(2-ethylhexyl)phthalate
Concen: 18.72 ng
RT: 13.99 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:149 Resp: 186567

Ion	Ratio	Lower	Upper
149	100		
167	24.7	19.4	29.2
279	2.3	1.5	2.3#

Instrument :
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ClientSampleId :
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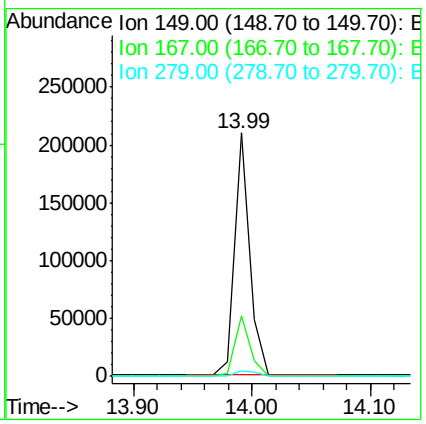
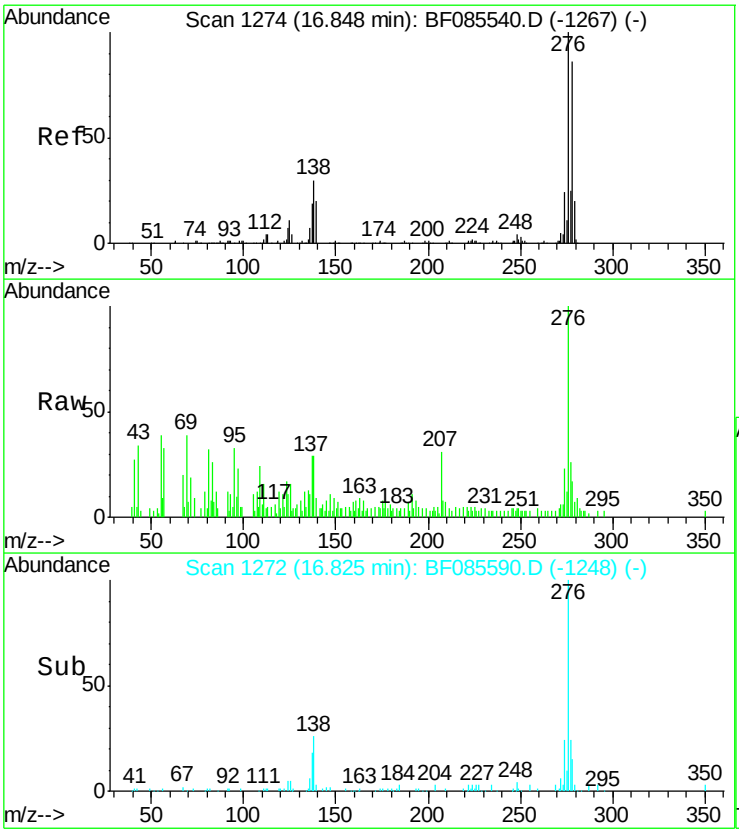
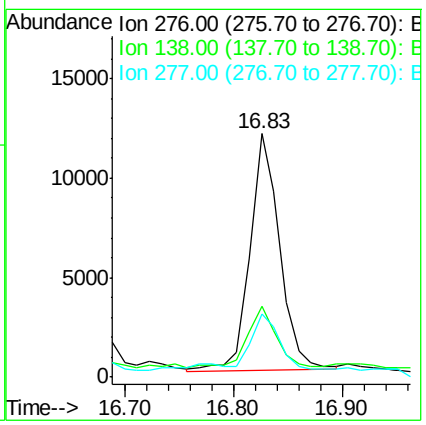


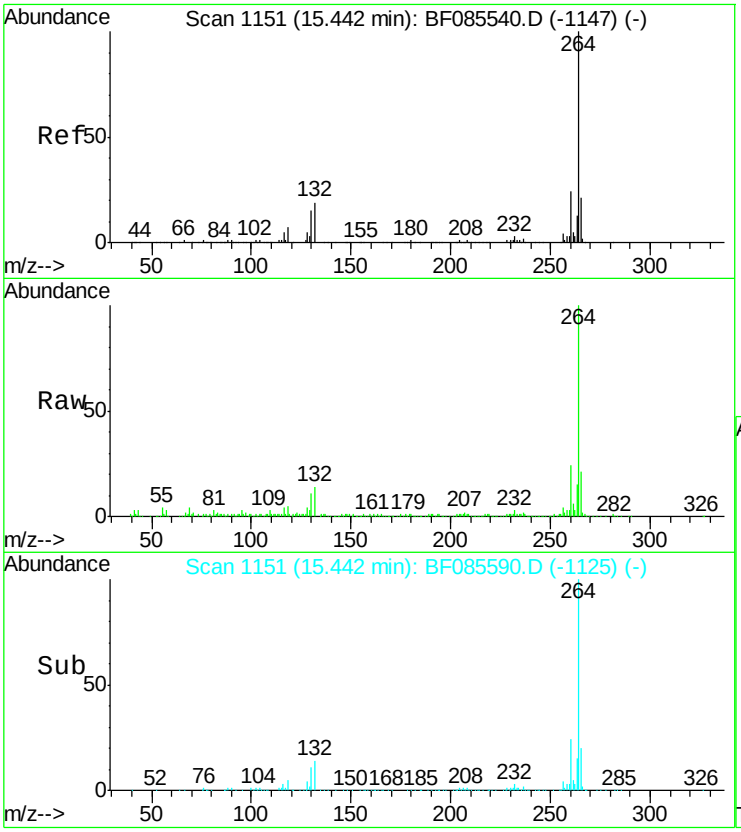


#85
Indeno(1,2,3-cd)pyrene
Concen: 2.07 ng
RT: 16.83 min Scan# 1272
Delta R.T. -0.02 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:276 Resp: 22661

Ion	Ratio	Lower	Upper
276	100		
138	26.3	24.2	36.4
277	31.9	20.0	30.0#

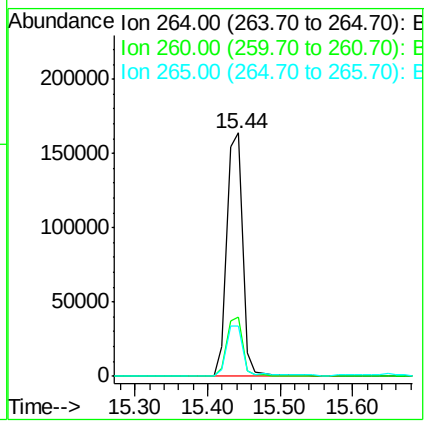




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:264 Resp: 251436

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.2
265	20.8	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
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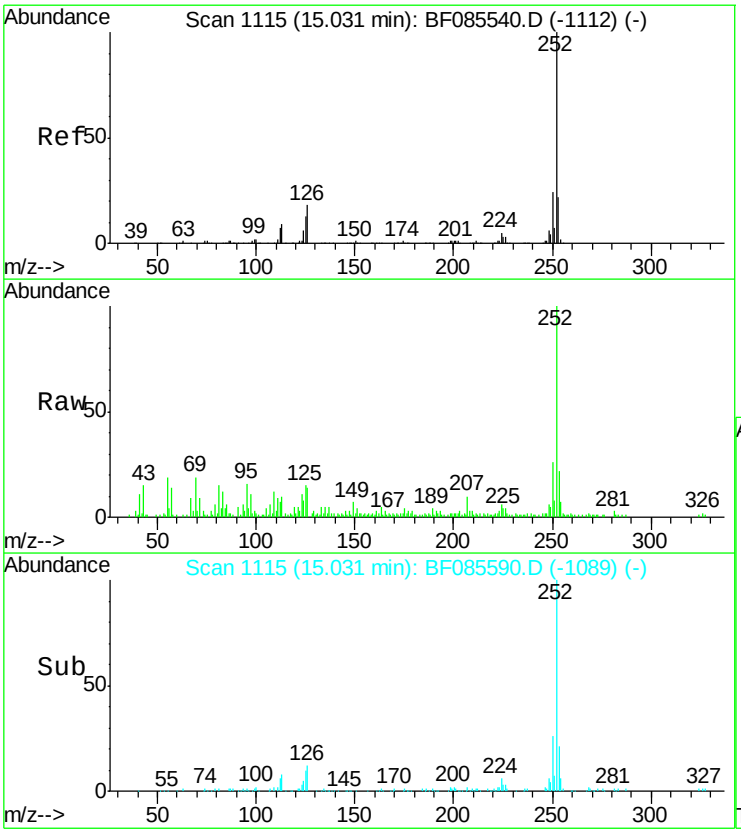
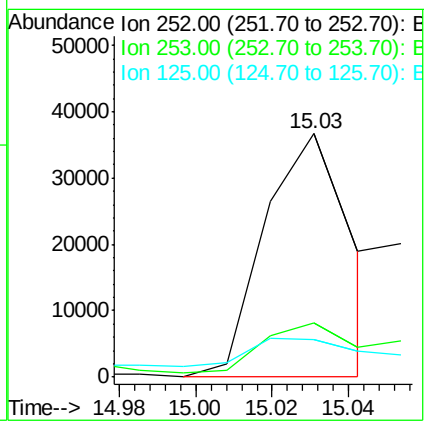
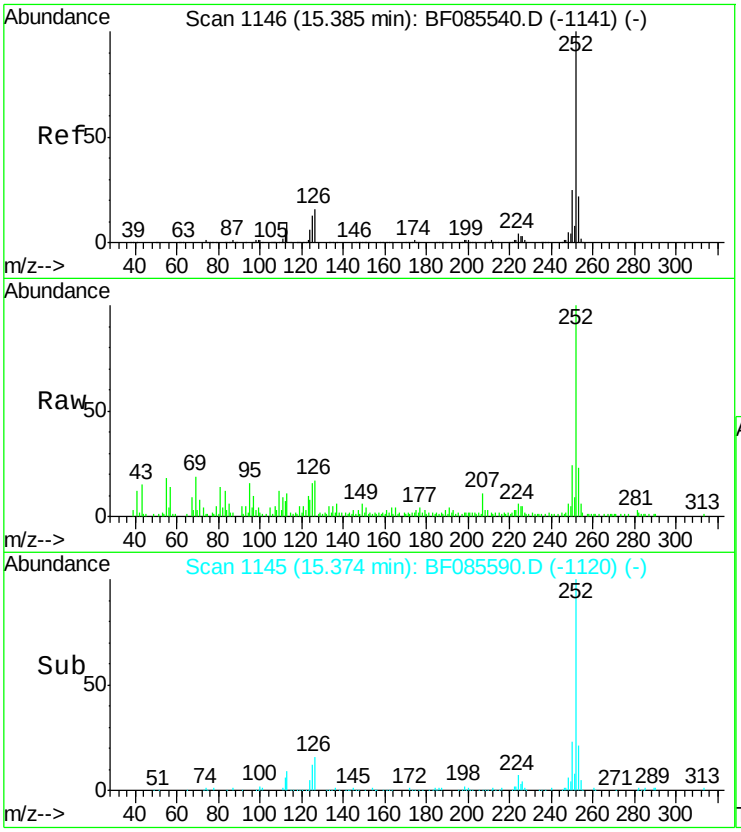


#87
Benzo(b)fluoranthene
Concen: 3.51 ng m
RT: 15.03 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:252 Resp: 57636

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	15.3	10.3	15.5

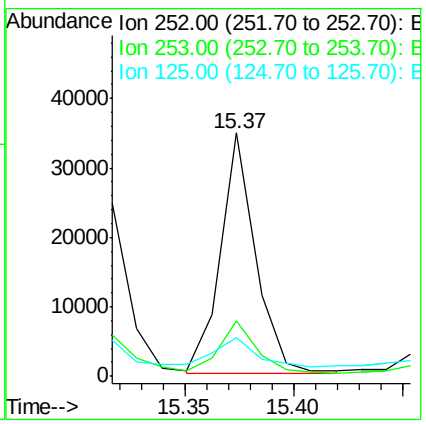




#89
Benzo(a)pyrene
Concen: 2.78 ng
RT: 15.37 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:252 Resp: 38715

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	16.1	10.3	15.5#



Instrument :
BNA_F
ClientSampleId :
W170TH-SB-03RE

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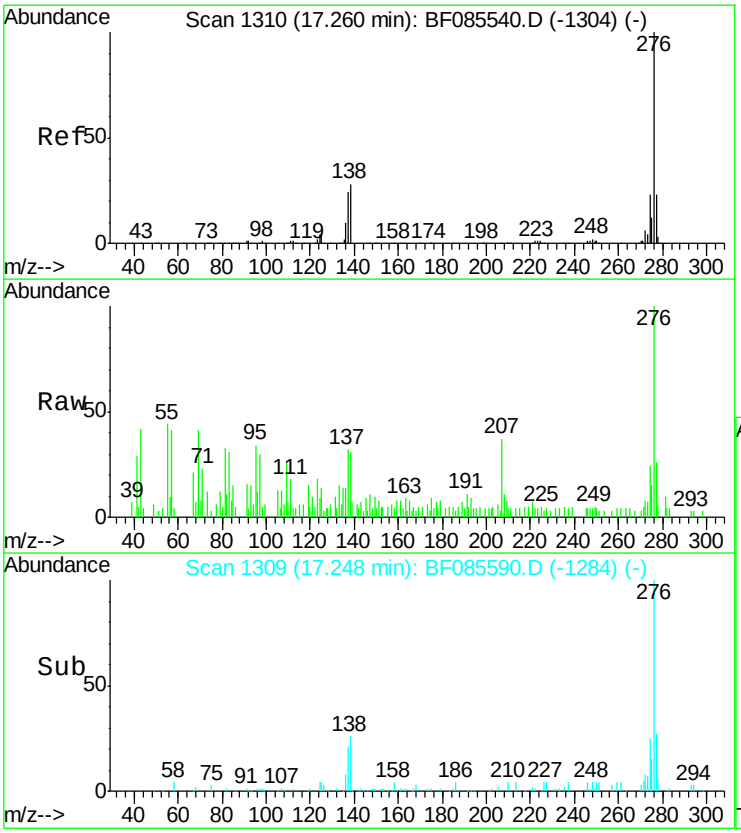

#91
Benzo(g,h,i)perylene
Concen: 2.08 ng
RT: 17.25 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF085590.D
Acq: 19 Mar 2016 23:14

Tgt Ion:276 Resp: 23394

Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.8	28.2
138	30.6	22.6	34.0