Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
Data File : BF085843.D
Acq On : 29 Mar 2016 10:47
Operator : UM/SJ
Sample : H1834-01
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
15

Manual Integrations APPROVED
Sohil
3/29/2016 5:04:40 PM

Quant Time: Mar 29 12:52:53 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 28 15:27:05 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	82044	20.00	ng		0.01
21) Naphthalene-d8	8.16	136	119109	20.00	ng		0.05
38) Acenaphthene-d10	9.94	164	88851	20.00	ng		0.08
63) Phenanthrene-d10	11.41	188	99986	20.00	ng		0.06
75) Chrysene-d12	13.99	240	193777	20.00	ng		0.01
86) Perylene-d12	15.40	264	207769	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	590045	119.77	ng		0.00
7) Phenol-d6	6.46	99	578346	92.34	ng		0.00
23) Nitrobenzene-d5	7.41	82	253221	119.72	ng		0.01
41) 2,4,6-Tribromophenol	10.73	330	77123	91.36	ng		0.08
44) 2-Fluorobiphenyl	9.25	172	298598	56.15	ng		0.06
78) Terphenyl-d14	12.96	244	411650	43.69	ng		0.03
Target Compounds							Qvalue
31) Naphthalene	8.20	128	3044154	507.22	ng	#	83
37) 2-Methylnaphthalene	8.93	142	4887056	Below Cal			95
45) 1,1'-Biphenyl	9.36	154	665442	88.76	ng		92
51) Acenaphthene	9.98	154	280702	51.16	ng	#	56
57) Fluorene	10.49	166	613669	103.95	ng	#	73
70) Phenanthrene	11.44	178	1805102	351.60	ng	#	93
77) Pyrene	12.83	202	607108	38.11	ng	#	92
80) Benzo(a)anthracene	13.98	228	39815m	3.60	ng		
82) Chrysene	14.01	228	55727m	5.01	ng		

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

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Instrument :
BNA_F
ClientSampleId :
15

Manual Integrations APPROVED
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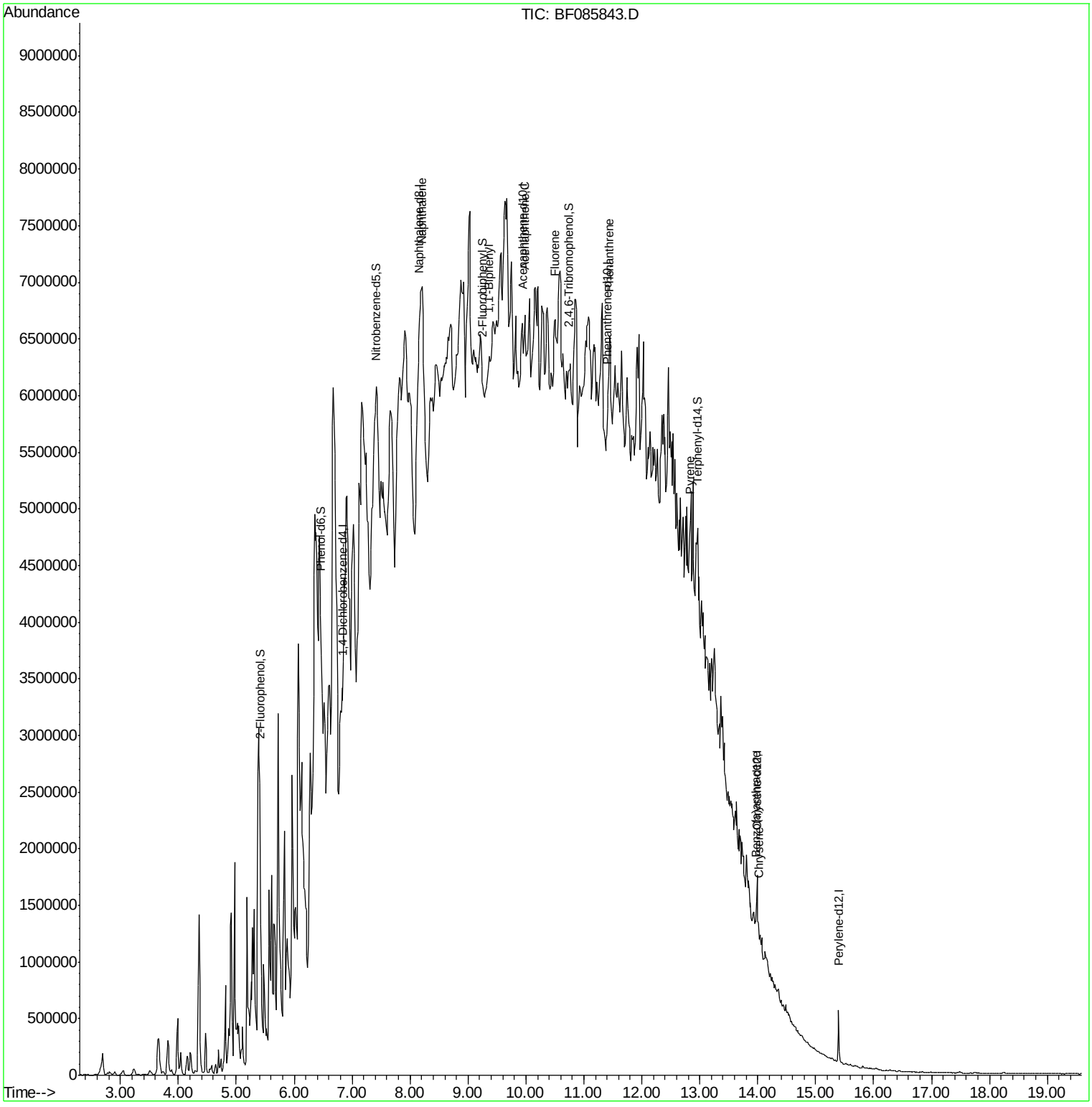
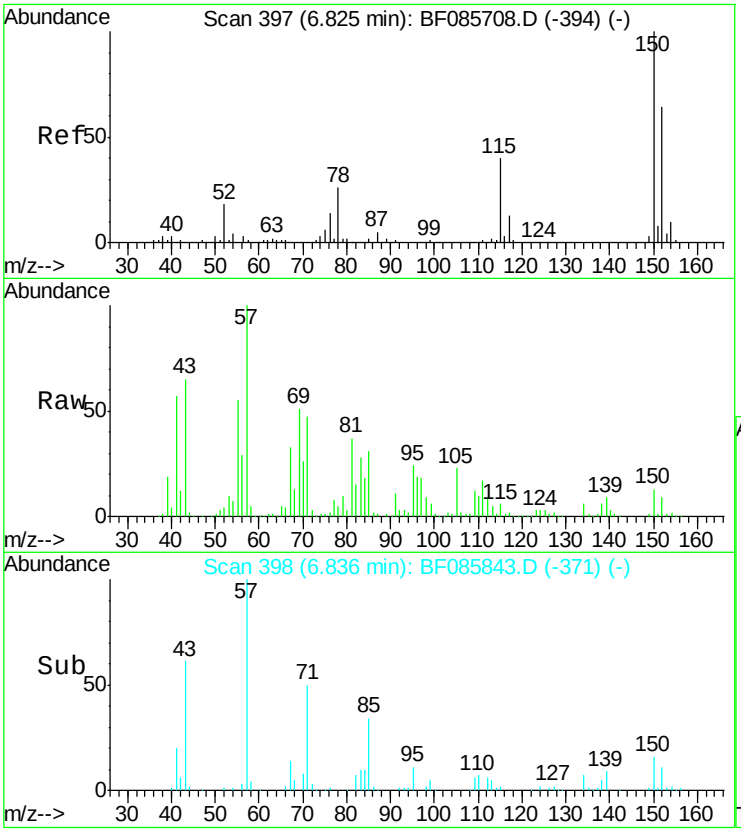
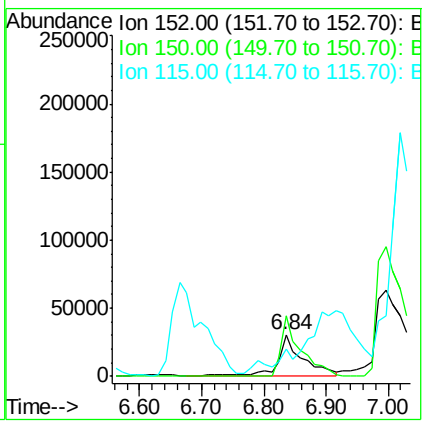




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 398
Delta R.T. 0.01 min
Lab File: BF085843.D
Acq: 29 Mar 2016 10:47

Tgt Ion:152 Resp: 82044

Ion	Ratio	Lower	Upper
152	100		
150	142.9	124.2	186.2
115	64.1	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
15

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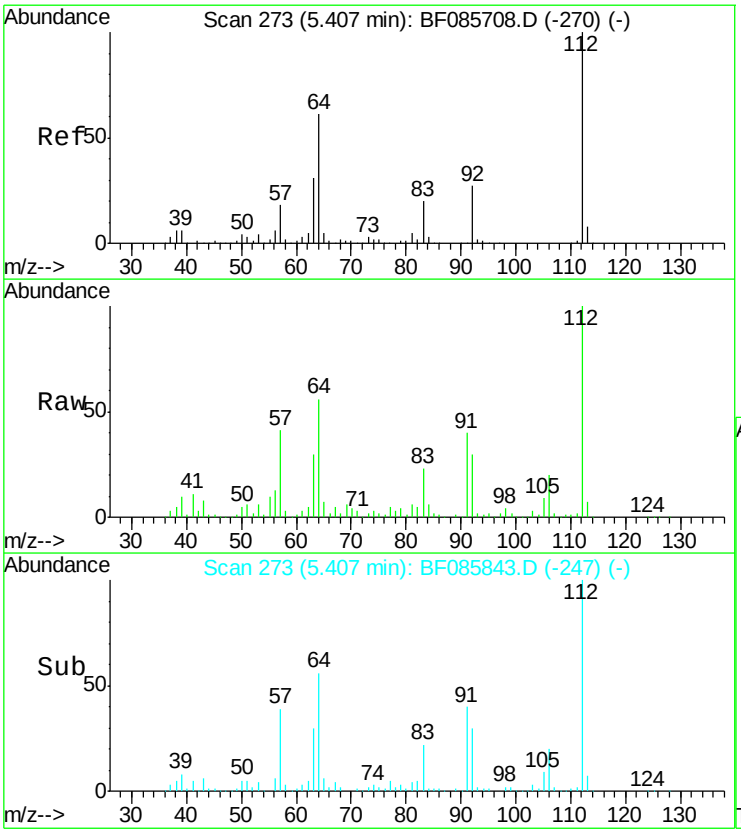
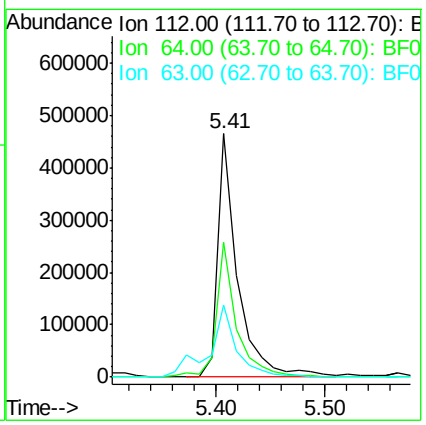
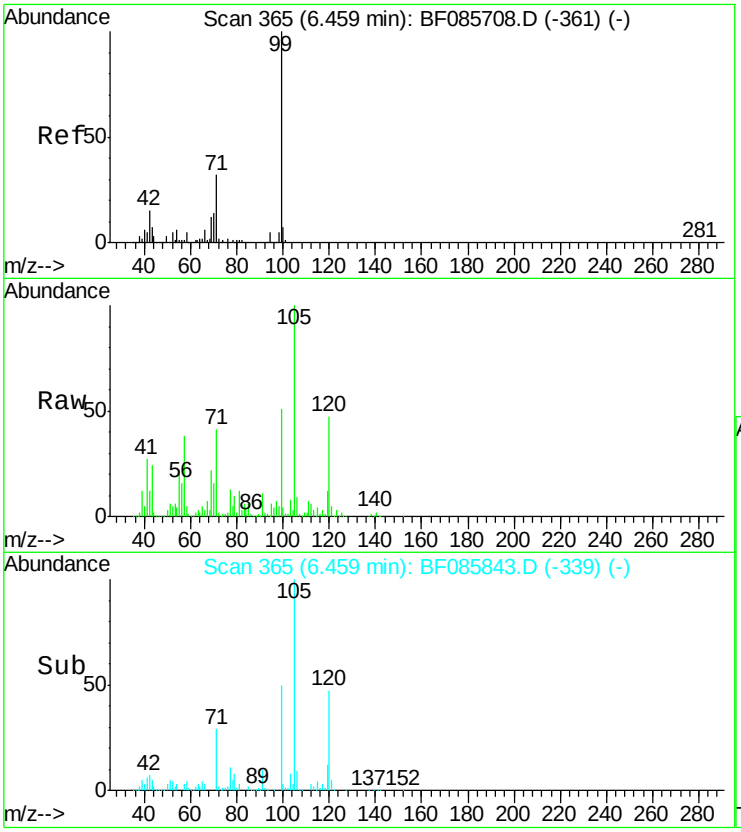


#5
2-Fluorophenol
Concen: 119.77 ng
RT: 5.41 min Scan# 273
Delta R.T. 0.00 min
Lab File: BF085843.D
Acq: 29 Mar 2016 10:47

Tgt Ion:112 Resp: 590045

Ion	Ratio	Lower	Upper
112	100		
64	55.6	39.9	59.9
63	29.7	20.2	30.2

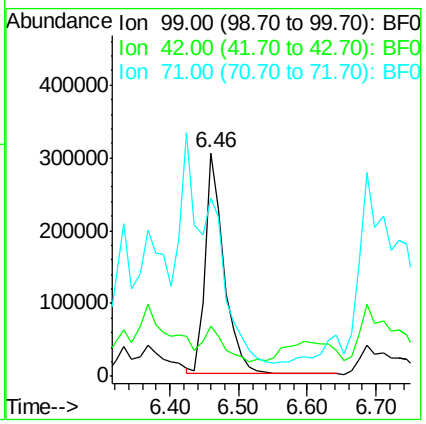




#7
Phenol-d6
Concen: 92.34 ng
RT: 6.46 min Scan# 365
Delta R.T. 0.00 min
Lab File: BF085843.D
Acq: 29 Mar 2016 10:47

Tgt Ion: 99 Resp: 578346

Ion	Ratio	Lower	Upper
99	100		
42	22.5	11.1	16.7#
71	79.7	24.9	37.3#



Instrument :
BNA_F
ClientSampleId :
15

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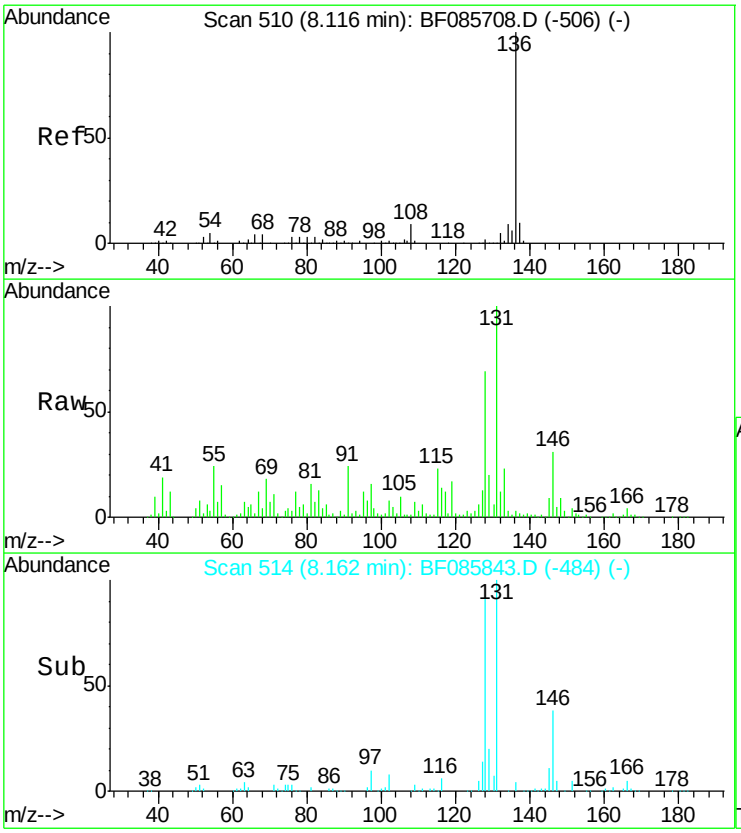
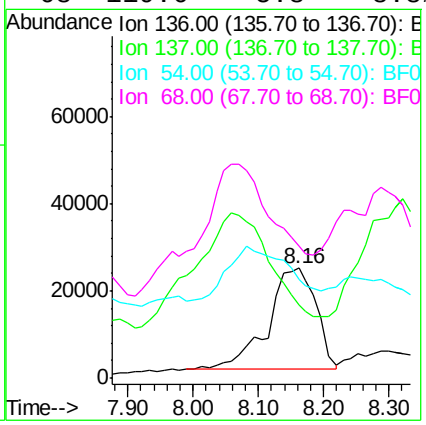
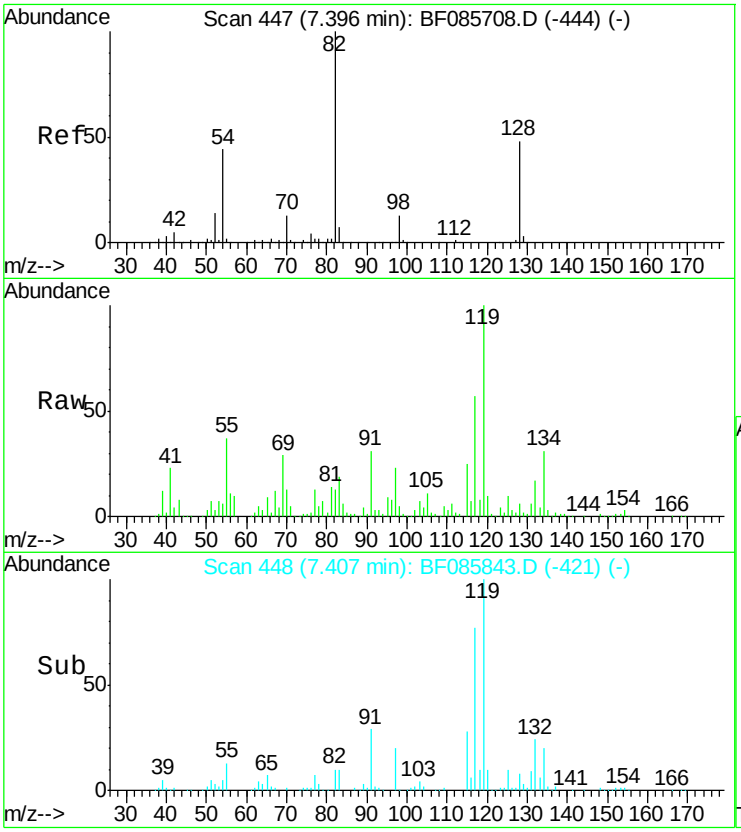


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 514
Delta R.T. 0.05 min
Lab File: BF085843.D
Acq: 29 Mar 2016 10:47

Tgt Ion:136 Resp: 119109

Ion	Ratio	Lower	Upper
136	100		
137	65.8	9.1	13.7#
54	89.5	7.4	11.0#
68	119.6	5.8	8.8#

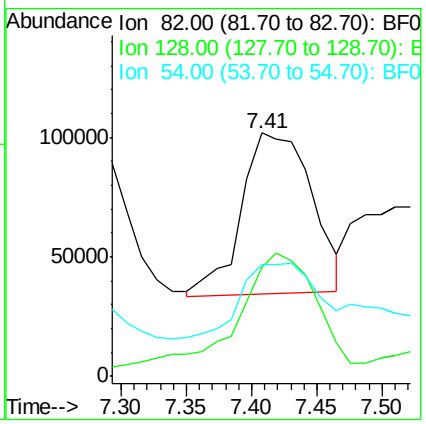




#23
Nitrobenzene-d5
Concen: 119.72 ng
RT: 7.41 min Scan# 448
Delta R.T. 0.01 min
Lab File: BF085843.D
Acq: 29 Mar 2016 10:47

Tgt Ion: 82 Resp: 253221

Ion	Ratio	Lower	Upper
82	100		
128	45.0	41.8	62.8
54	45.8	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
15

Manual Integrations APPROVED
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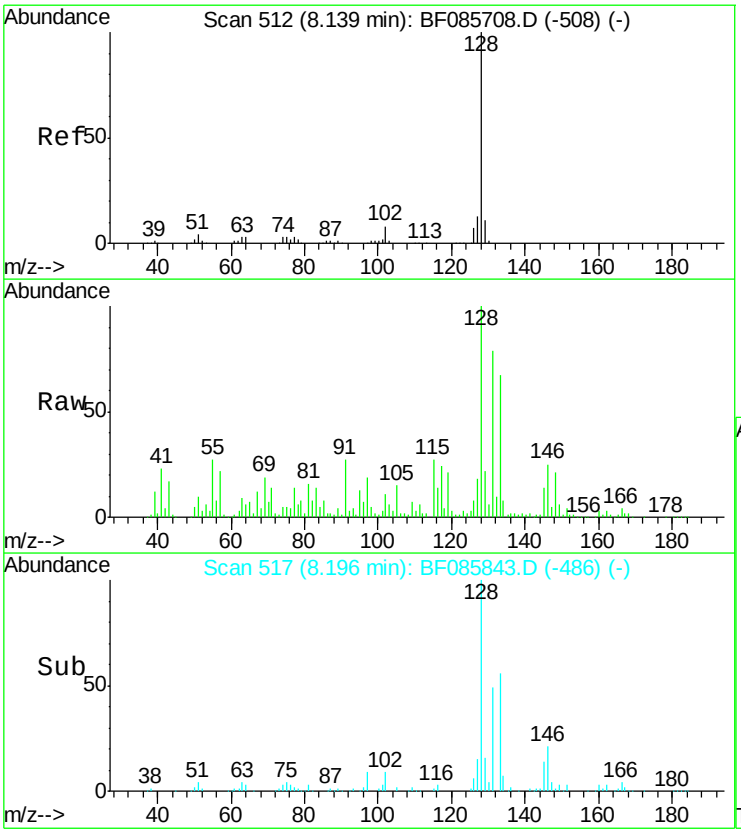
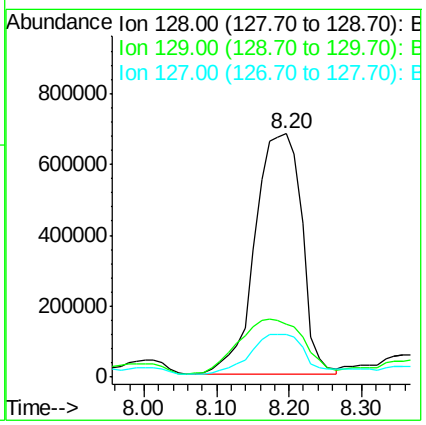
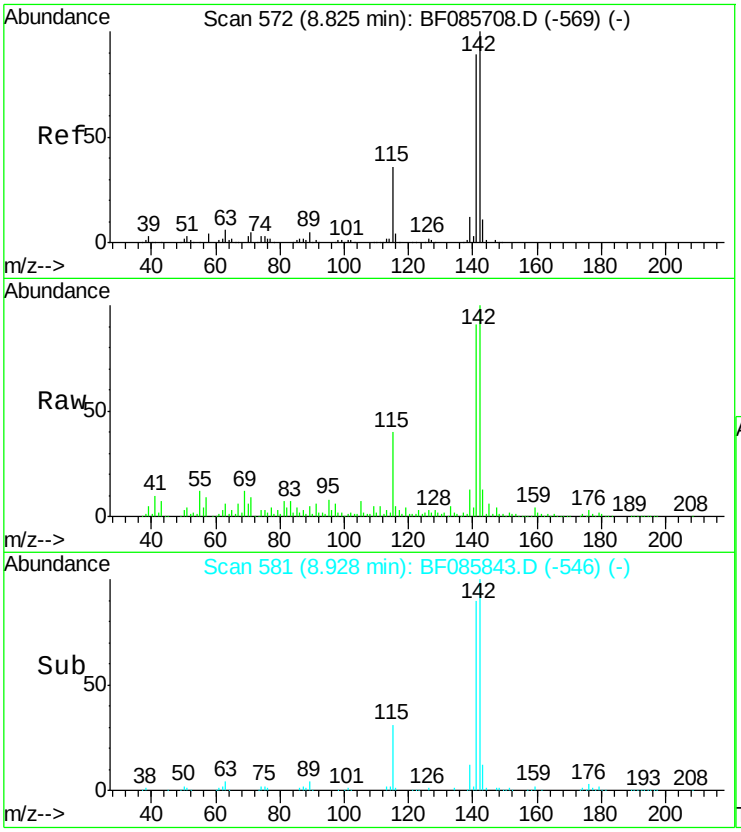


#31
Naphthalene
Concen: 507.22 ng
RT: 8.20 min Scan# 517
Delta R.T. 0.06 min
Lab File: BF085843.D
Acq: 29 Mar 2016 10:47

Tgt Ion:128 Resp: 3044154

Ion	Ratio	Lower	Upper
128	100		
129	21.8	9.4	14.0#
127	17.6	11.0	16.6#

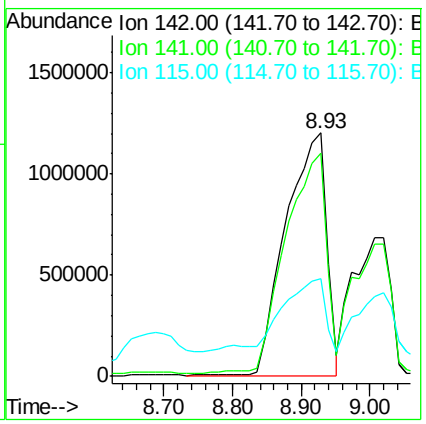




#37
2-Methylnaphthalene
Concen: Below Cal
RT: 8.93 min Scan# 581
Delta R.T. 0.10 min
Lab File: BF085843.D
Acq: 29 Mar 2016 10:47

Tgt Ion:142 Resp: 4887056

Ion	Ratio	Lower	Upper
142	100		
141	91.4	71.6	107.4
115	40.1	26.8	40.2



Instrument :
BNA_F
ClientSampleId :
15

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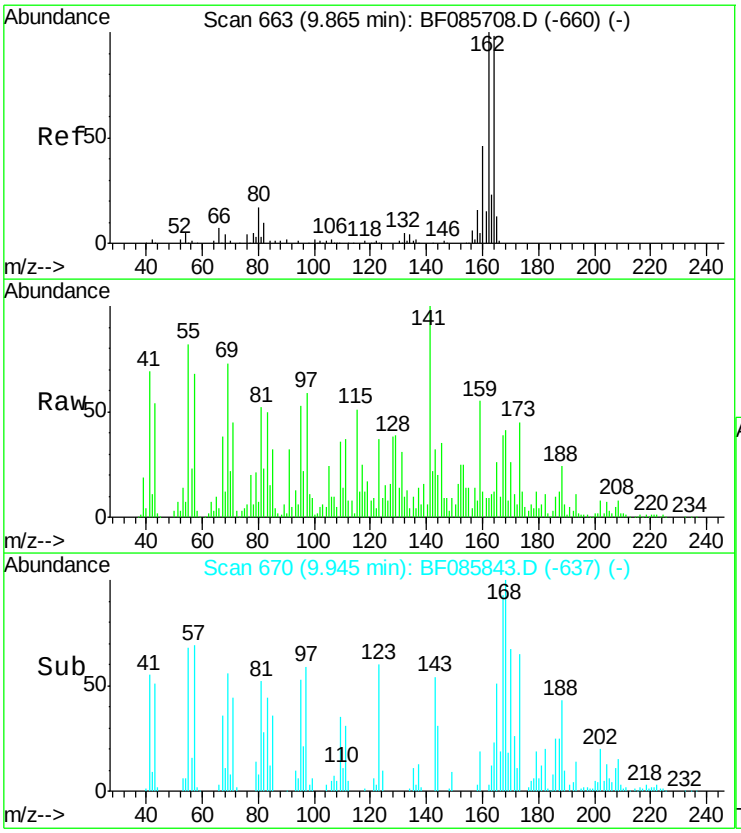
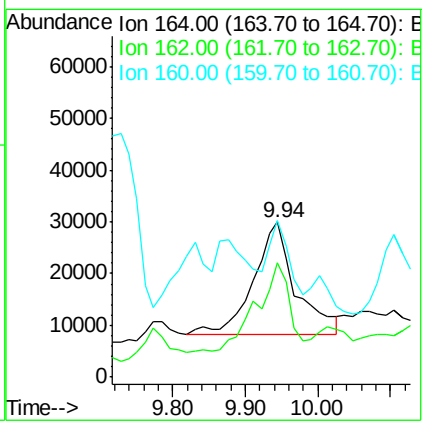
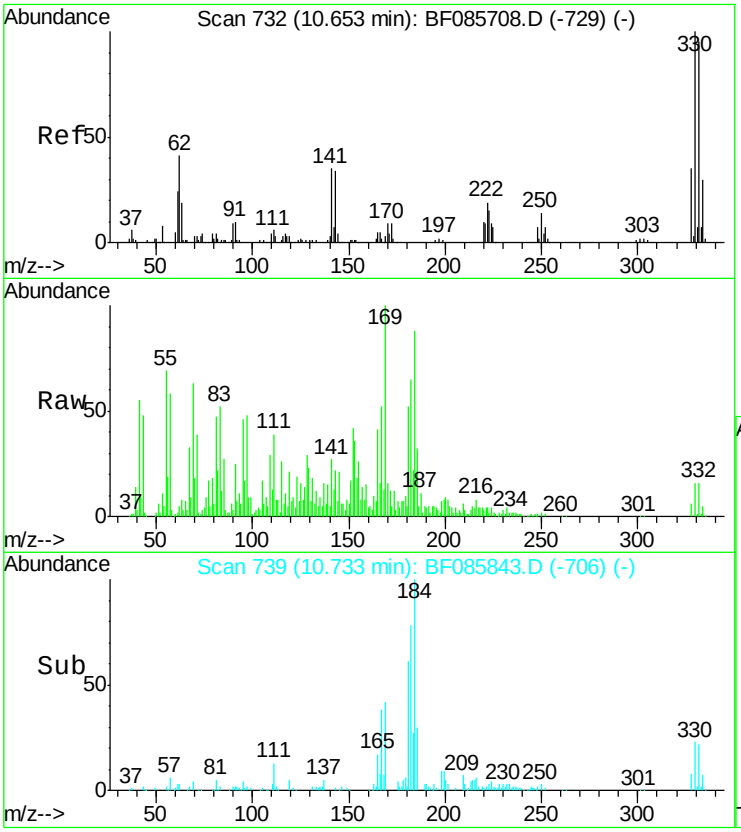


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 670
Delta R.T. 0.08 min
Lab File: BF085843.D
Acq: 29 Mar 2016 10:47

Tgt Ion:164 Resp: 88851

Ion	Ratio	Lower	Upper
164	100		
162	74.2	82.1	123.1#
160	100.8	37.4	56.2#

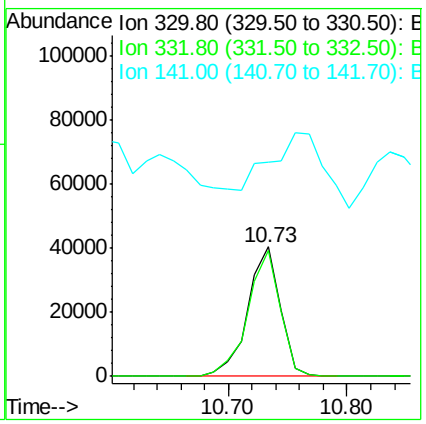




#41
2,4,6-Tribromophenol
Concen: 91.36 ng
RT: 10.73 min Scan# 739
Delta R.T. 0.08 min
Lab File: BF085843.D
Acq: 29 Mar 2016 10:47

Tgt Ion:330 Resp: 77123

Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.2	117.2
141	0.0	31.5	47.3#



Instrument :
BNA_F
ClientSampleId :
15

Manual Integrations APPROVED
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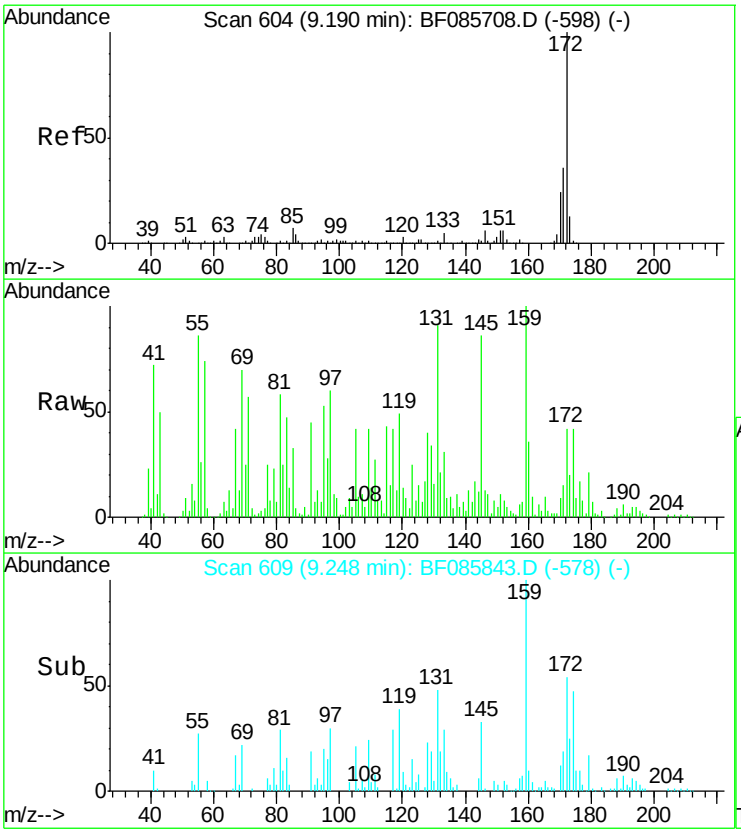
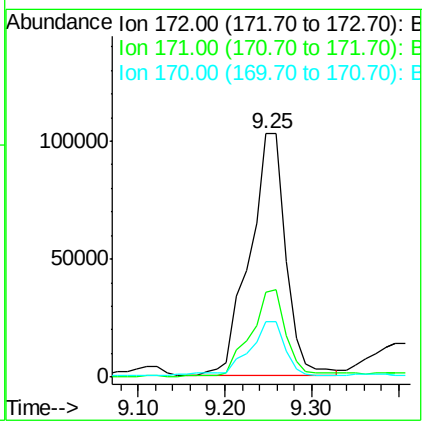
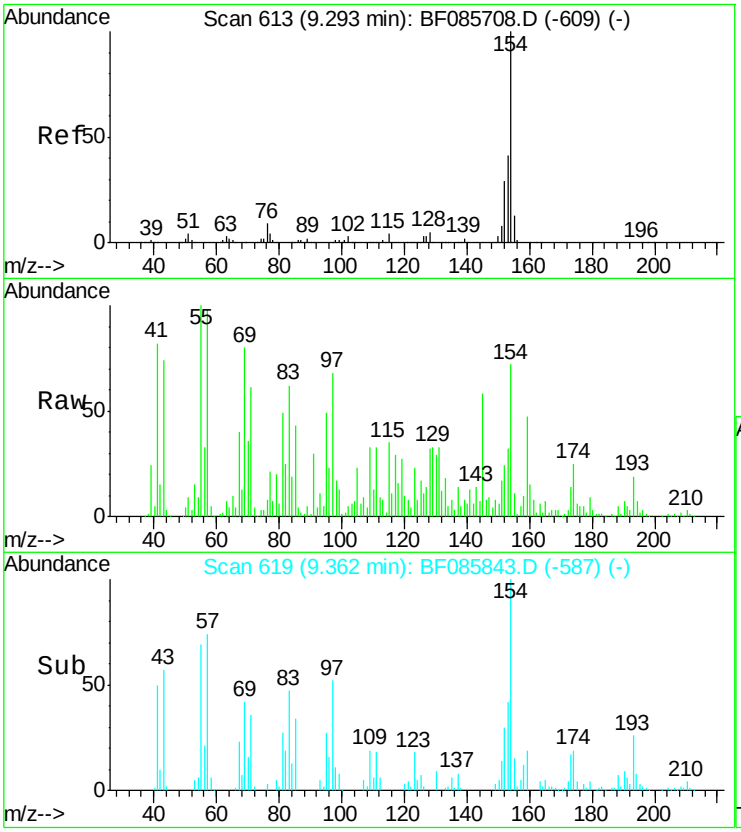


#44
2-Fluorobiphenyl
Concen: 56.15 ng
RT: 9.25 min Scan# 609
Delta R.T. 0.06 min
Lab File: BF085843.D
Acq: 29 Mar 2016 10:47

Tgt Ion:172 Resp: 298598

Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.4	44.2
170	22.5	19.8	29.6

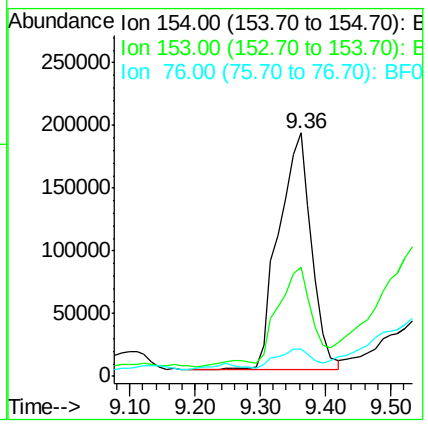




#45
1,1'-Biphenyl
Concen: 88.76 ng
RT: 9.36 min Scan# 619
Delta R.T. 0.07 min
Lab File: BF085843.D
Acq: 29 Mar 2016 10:47

Tgt Ion:154 Resp: 665442

Ion	Ratio	Lower	Upper
154	100		
153	44.6	20.8	60.8
76	11.3	0.0	36.7



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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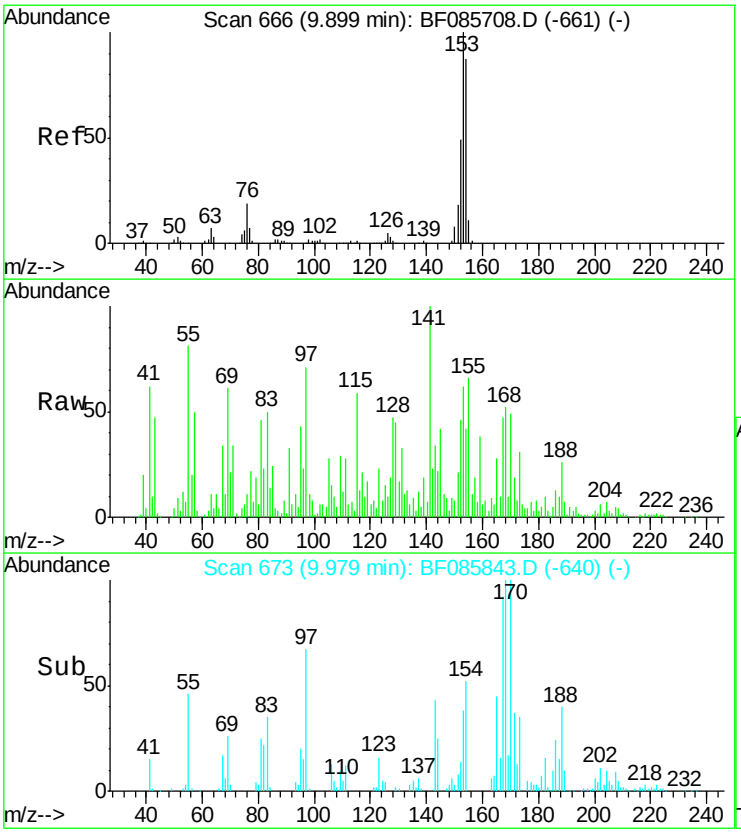
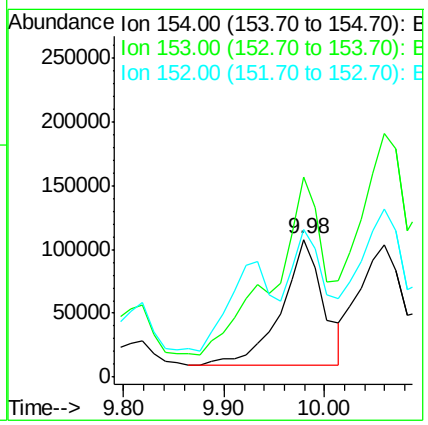
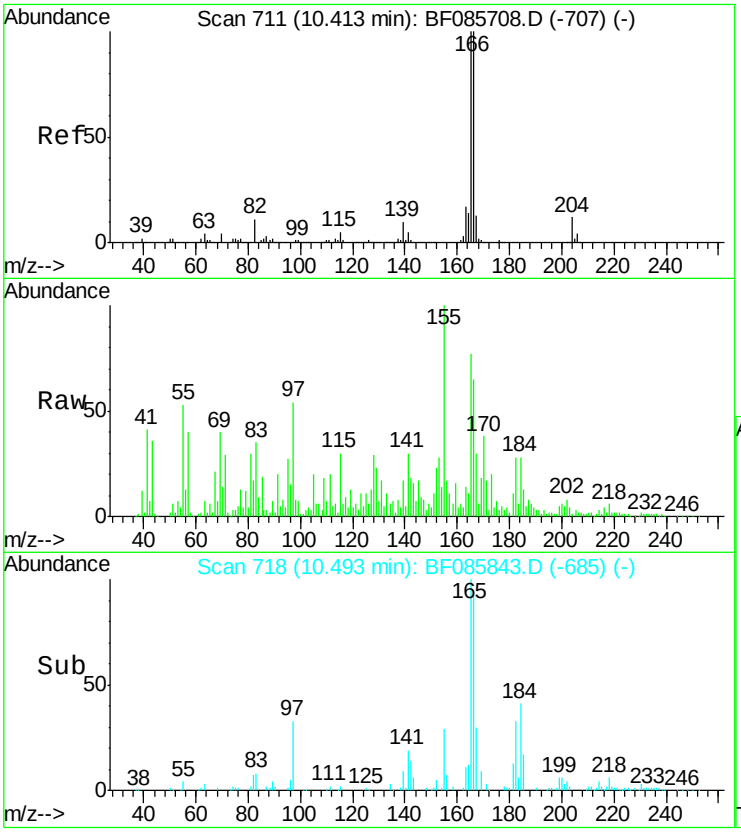


#51
Acenaphthene
Concen: 51.16 ng
RT: 9.98 min Scan# 673
Delta R.T. 0.08 min
Lab File: BF085843.D
Acq: 29 Mar 2016 10:47

Tgt Ion:154 Resp: 280702

Ion	Ratio	Lower	Upper
154	100		
153	145.8	90.1	135.1#
152	107.4	44.2	66.2#

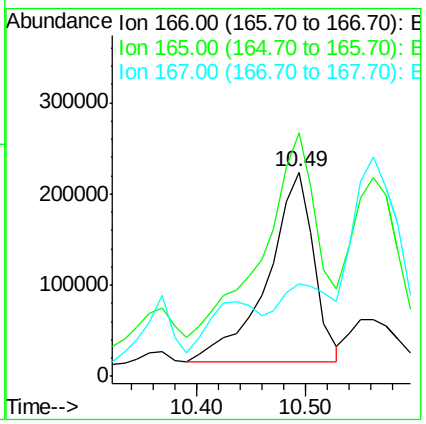




#57
Fluorene
Concen: 103.95 ng
RT: 10.49 min Scan# 718
Delta R.T. 0.08 min
Lab File: BF085843.D
Acq: 29 Mar 2016 10:47

Tgt Ion:166 Resp: 613669

Ion	Ratio	Lower	Upper
166	100		
165	119.2	79.4	119.0#
167	45.4	11.0	16.4#



Instrument :
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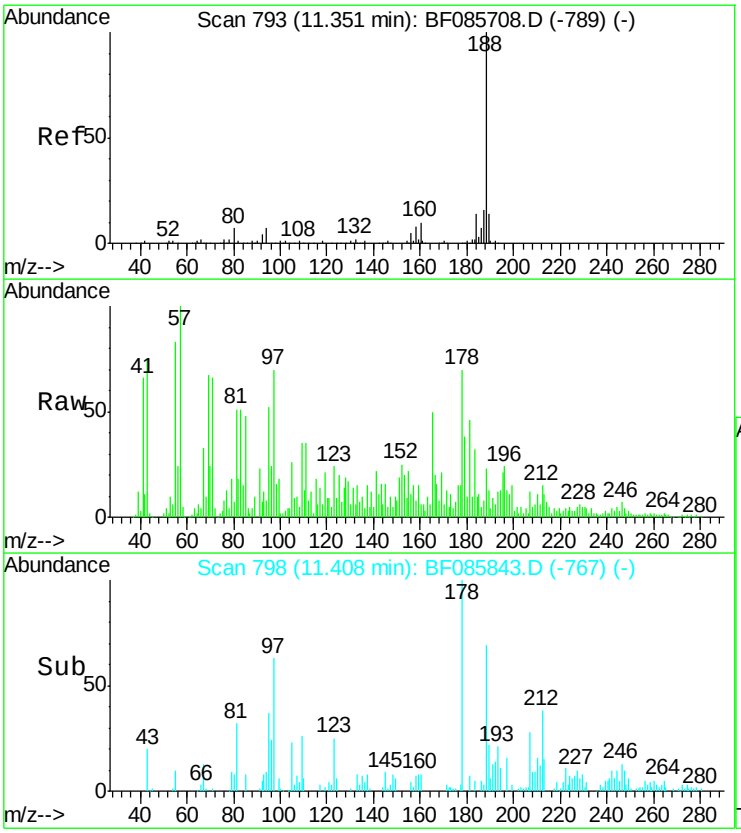
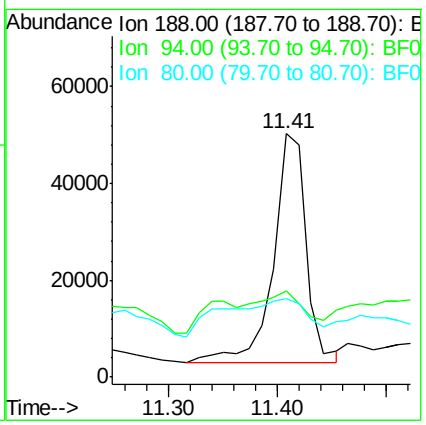
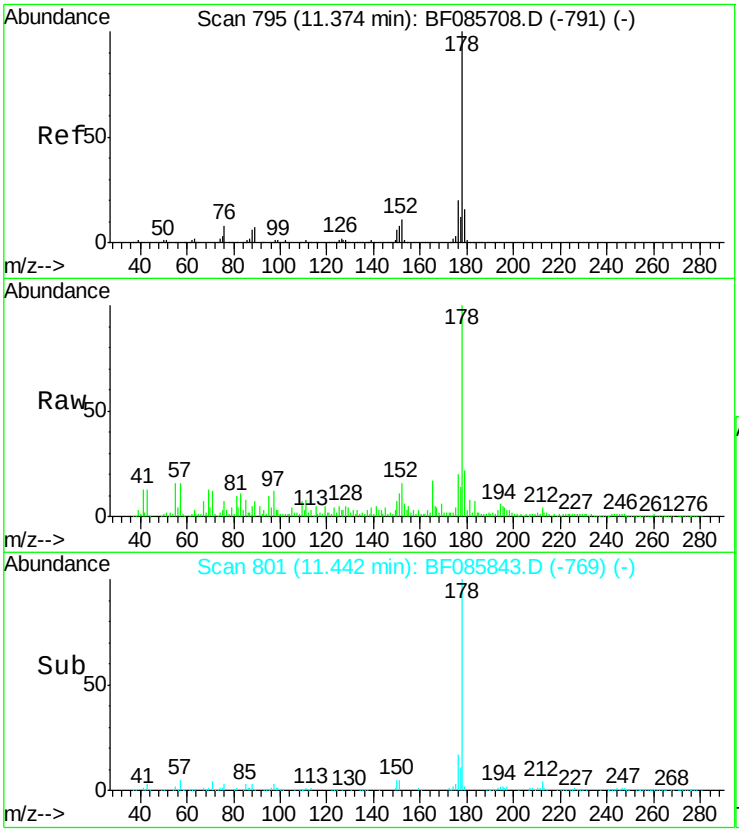


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 798
Delta R.T. 0.06 min
Lab File: BF085843.D
Acq: 29 Mar 2016 10:47

Tgt Ion:188 Resp: 99986

Ion	Ratio	Lower	Upper
188	100		
94	35.2	5.4	8.0#
80	32.3	5.5	8.3#

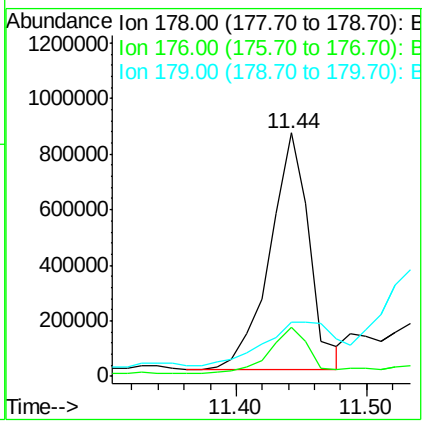




#70
Phenanthrene
Concen: 351.60 ng
RT: 11.44 min Scan# 801
Delta R.T. 0.07 min
Lab File: BF085843.D
Acq: 29 Mar 2016 10:47

Tgt Ion:178 Resp: 1805102

Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.3	24.5
179	22.3	12.6	18.8#



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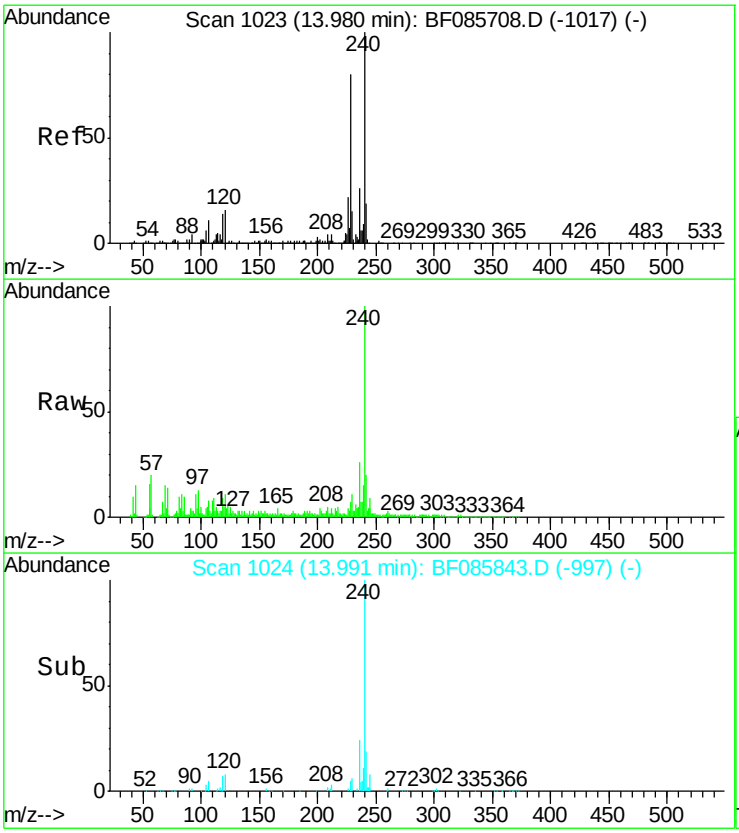
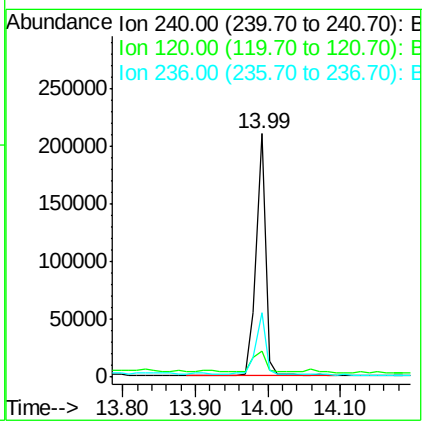
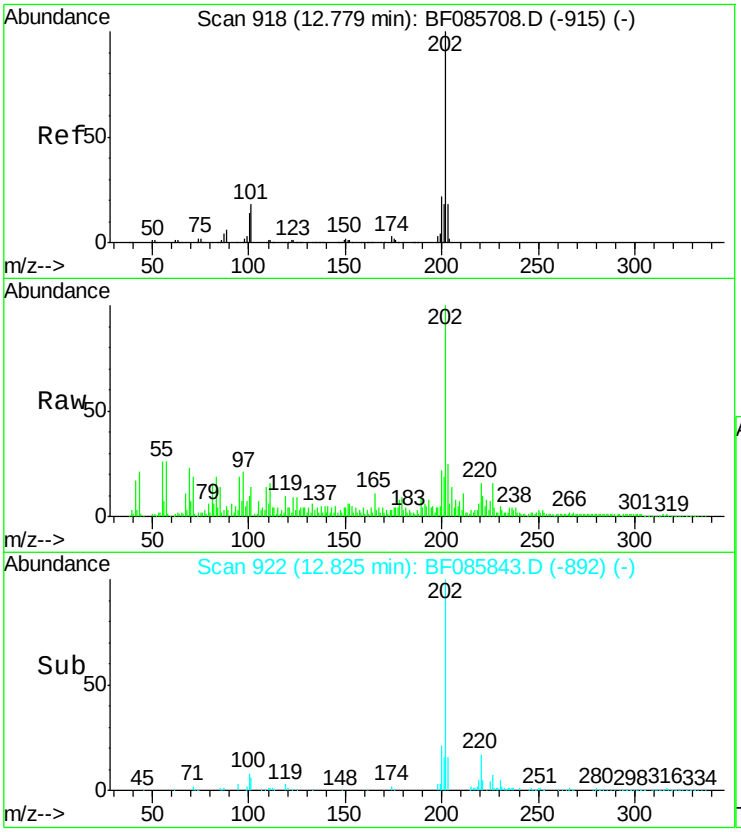


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1024
Delta R.T. 0.01 min
Lab File: BF085843.D
Acq: 29 Mar 2016 10:47

Tgt Ion:240 Resp: 193777

Ion	Ratio	Lower	Upper
240	100		
120	10.8	13.8	20.8#
236	26.3	20.6	30.8

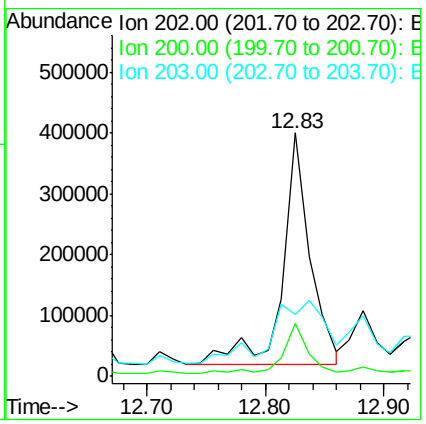




#77
Pyrene
Concen: 38.11 ng
RT: 12.83 min Scan# 922
Delta R.T. 0.05 min
Lab File: BF085843.D
Acq: 29 Mar 2016 10:47

Tgt Ion:202 Resp: 607108

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.6	26.4
203	25.2	14.0	21.0#



Instrument :
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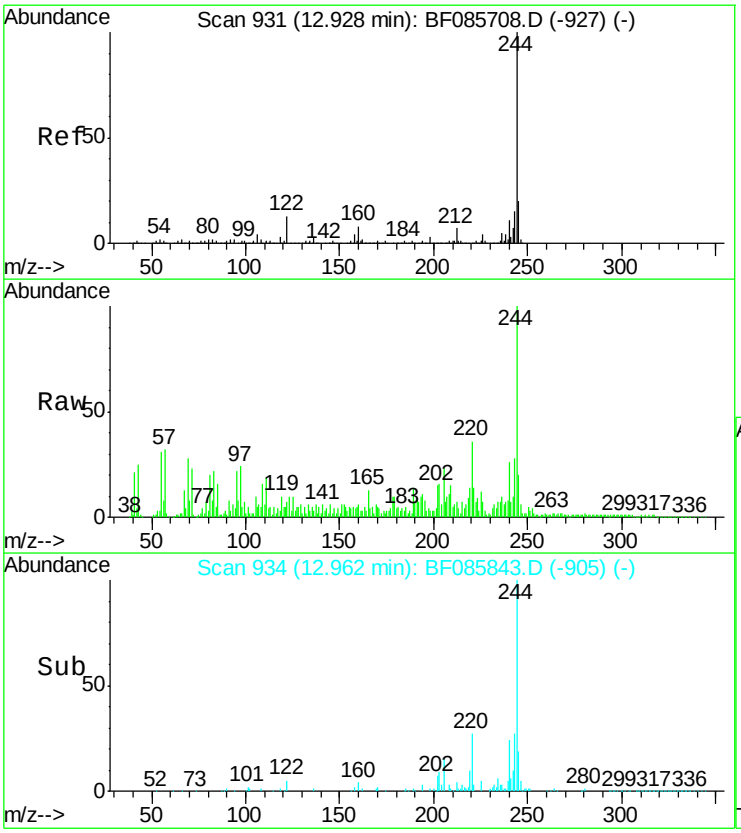
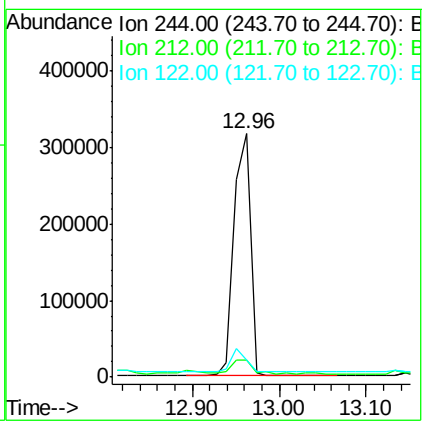
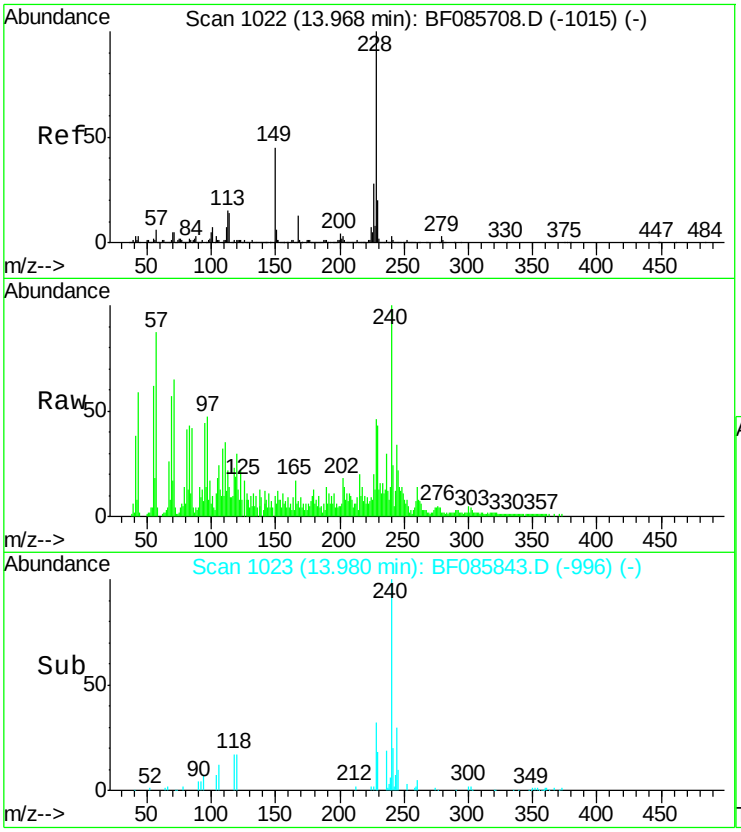


#78
Terphenyl-d14
Concen: 43.69 ng
RT: 12.96 min Scan# 934
Delta R.T. 0.03 min
Lab File: BF085843.D
Acq: 29 Mar 2016 10:47

Tgt Ion:244 Resp: 411650

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	7.2	10.2	15.4#





#80
Benzo(a)anthracene
Concen: 3.60 ng m
RT: 13.98 min Scan# 1023
Delta R.T. 0.01 min
Lab File: BF085843.D
Acq: 29 Mar 2016 10:47

Tgt Ion:228 Resp: 39815

Ion	Ratio	Lower	Upper
228	100		
226	44.9	22.1	33.1#
229	95.4	16.2	24.4#

Instrument :
BNA_F
ClientSampleId :
15

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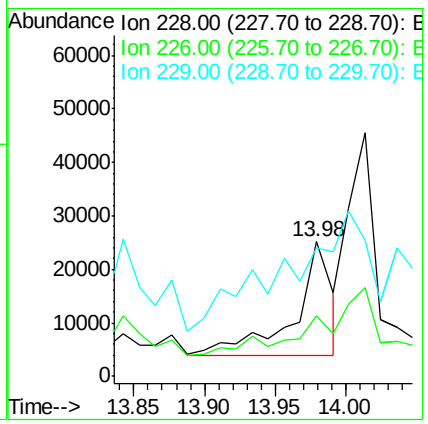
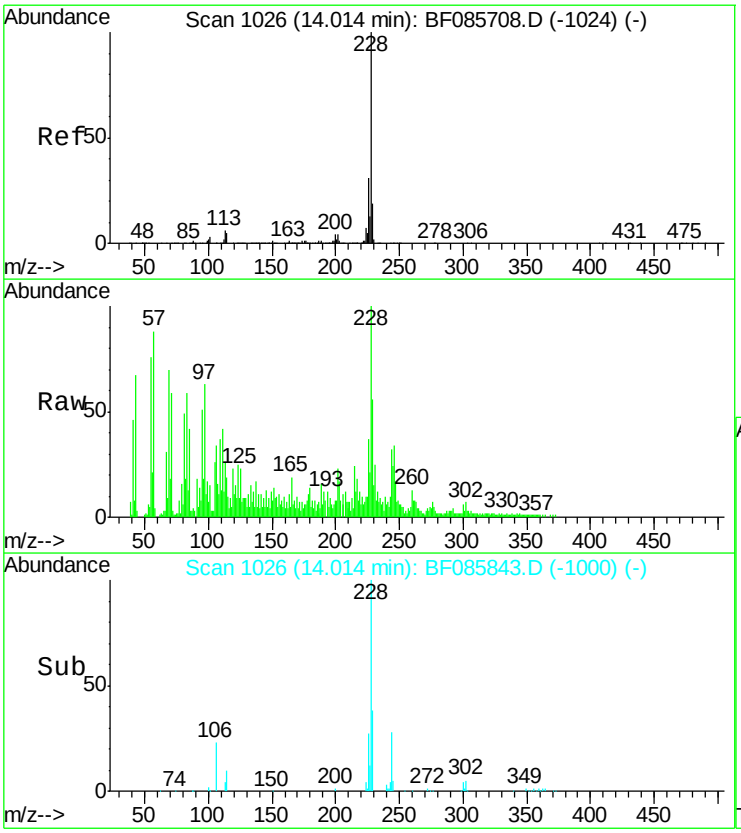
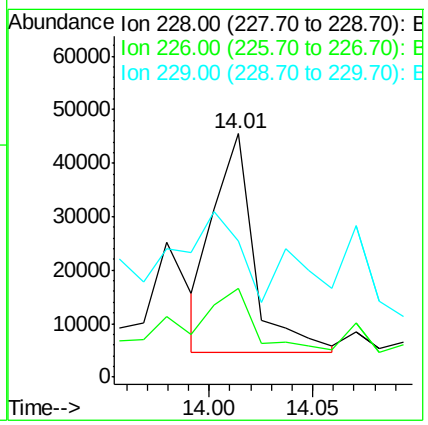


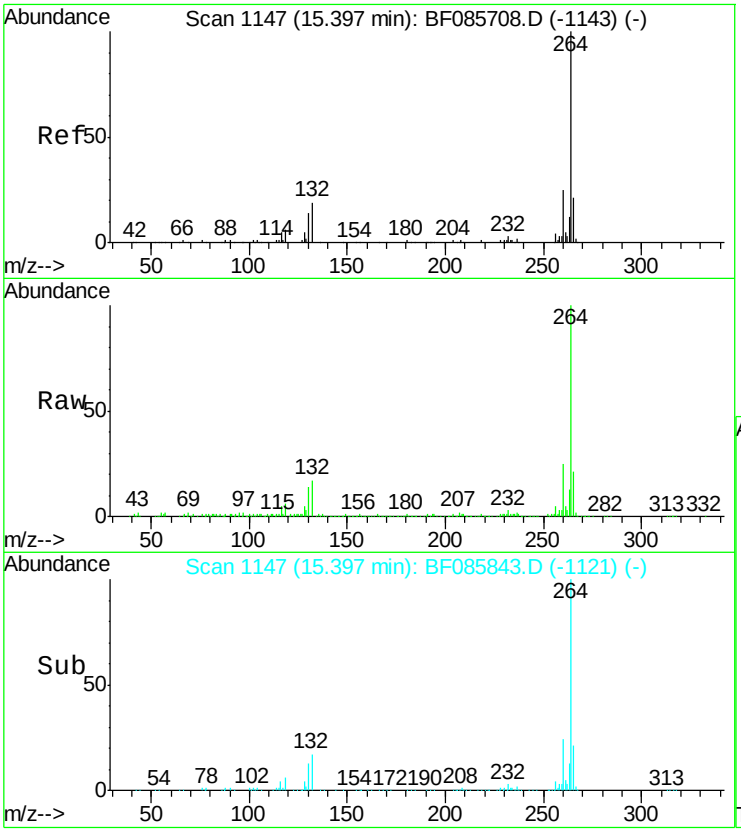


#82
Chrysene
Concen: 5.01 ng m
RT: 14.01 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BF085843.D
Acq: 29 Mar 2016 10:47

Tgt Ion:228 Resp: 55727

Ion	Ratio	Lower	Upper
228	100		
226	36.7	25.0	37.6
229	56.0	15.7	23.5#

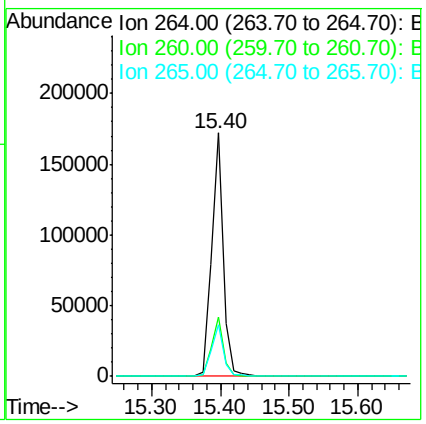




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1147
Delta R.T. 0.00 min
Lab File: BF085843.D
Acq: 29 Mar 2016 10:47

Tgt Ion:264 Resp: 207769

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	21.3	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
15

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