Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050416\
Data File : BF086702.D
Acq On : 5 May 2016 3:19
Operator : UM/SJ
Sample : H2829-07 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WPG-B2(0-9.5)-C

Manual Integrations APPROVED
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5/5/2016 3:19:12 PM

Quant Time: May 05 13:03:54 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 04 15:12:53 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	165106	40.00	ng		0.00
21) Naphthalene-d8	8.03	136	591183	40.00	ng		0.00
38) Acenaphthene-d10	9.78	164	231737	40.00	ng		0.00
63) Phenanthrene-d10	11.25	188	365212m	40.00	ng		0.00
75) Chrysene-d12	13.89	240	359516	40.00	ng		0.01
86) Perylene-d12	15.29	264	258904	40.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.32	112	527681	52.91	ng		0.00
7) Phenol-d6	6.37	99	651053	48.46	ng		0.00
23) Nitrobenzene-d5	7.30	82	390213	33.92	ng		-0.01
41) 2,4,6-Tribromophenol	10.57	330	106946	47.18	ng		0.00
44) 2-Fluorobiphenyl	9.10	172	635674	44.97	ng		0.00
78) Terphenyl-d14	12.84	244	496415	27.91	ng		0.00
Target Compounds							Qvalue
70) Phenanthrene	11.28	178	92067	4.69	ng		97
74) Fluoranthene	12.47	202	210585	10.71	ng		95
77) Pyrene	12.69	202	189024	6.59	ng		99
80) Benzo(a)anthracene	13.88	228	92951	4.57	ng		95
82) Chrysene	13.92	228	81934m	3.78	ng		
87) Benzo(b)fluoranthene	14.89	252	102406m	6.58	ng		
89) Benzo(a)pyrene	15.22	252	60874	4.25	ng	#	78
91) Benzo(g,h,i)perylene	17.00	276	36353	2.52	ng		94

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

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Instrument :
BNA_F
ClientSampleId :
WPG-B2(0-9.5)-C

Manual Integrations APPROVED
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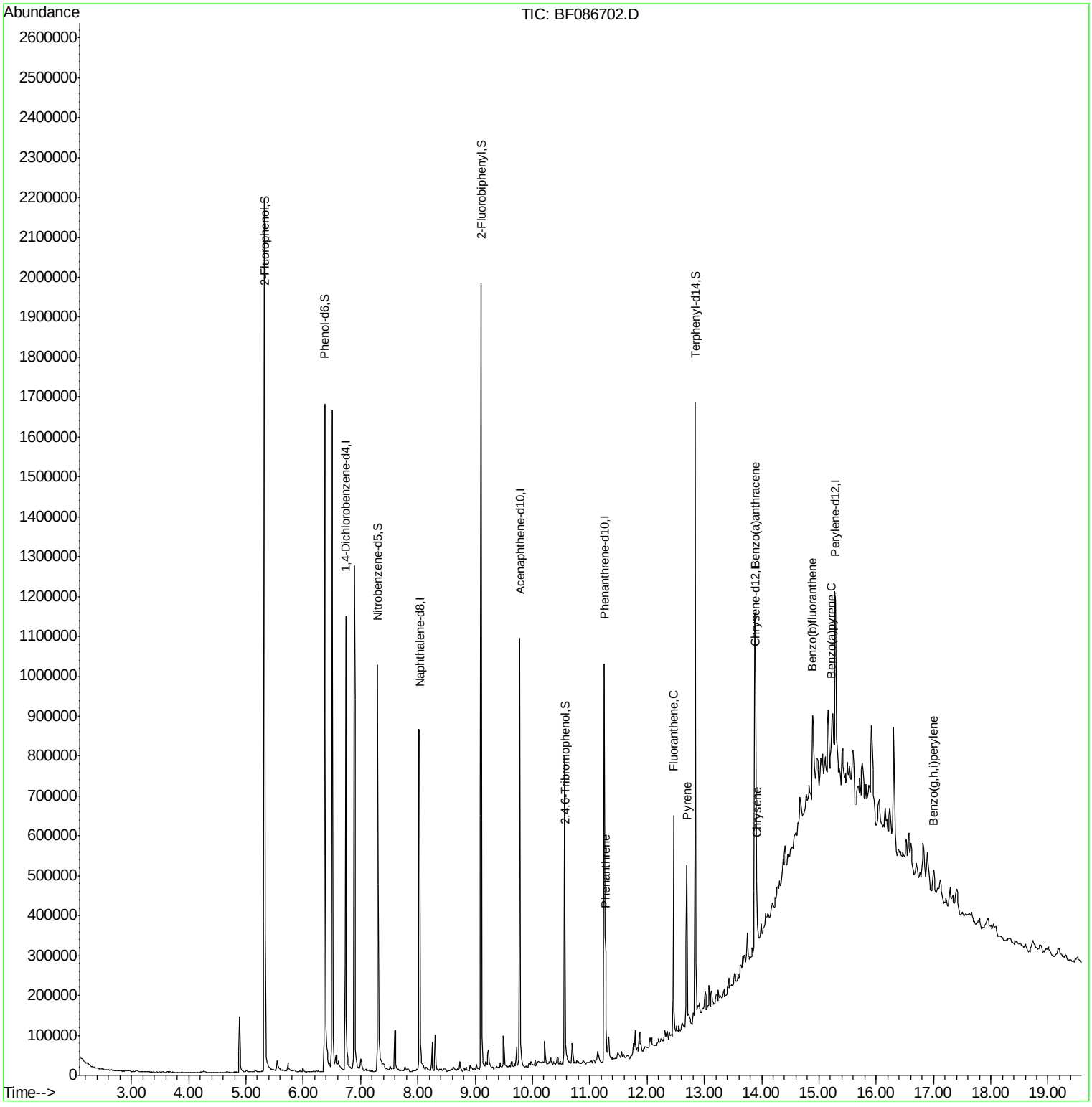
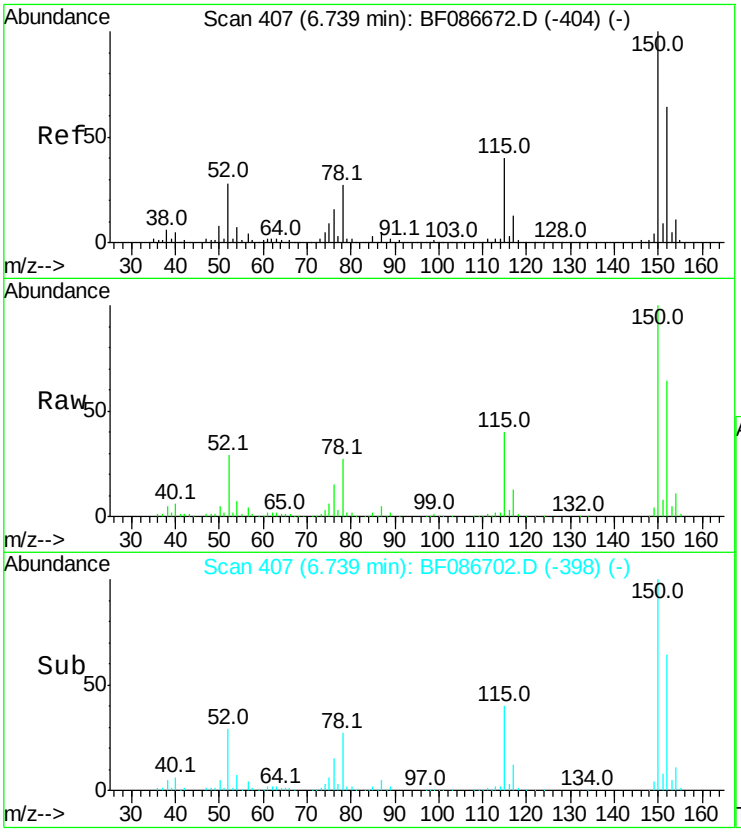
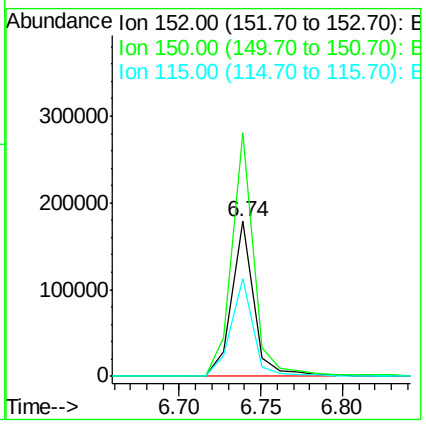




#1
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.74 min Scan# 407
Delta R.T. 0.00 min
Lab File: BF086702.D
Acq: 5 May 2016 3:19

Tgt Ion:152 Resp: 165106

Ion	Ratio	Lower	Upper
152	100		
150	157.1	125.8	188.6
115	62.8	51.5	77.3



Instrument :
BNA_F
ClientSampleId :
WPG-B2(0-9.5)-C

Manual Integrations APPROVED
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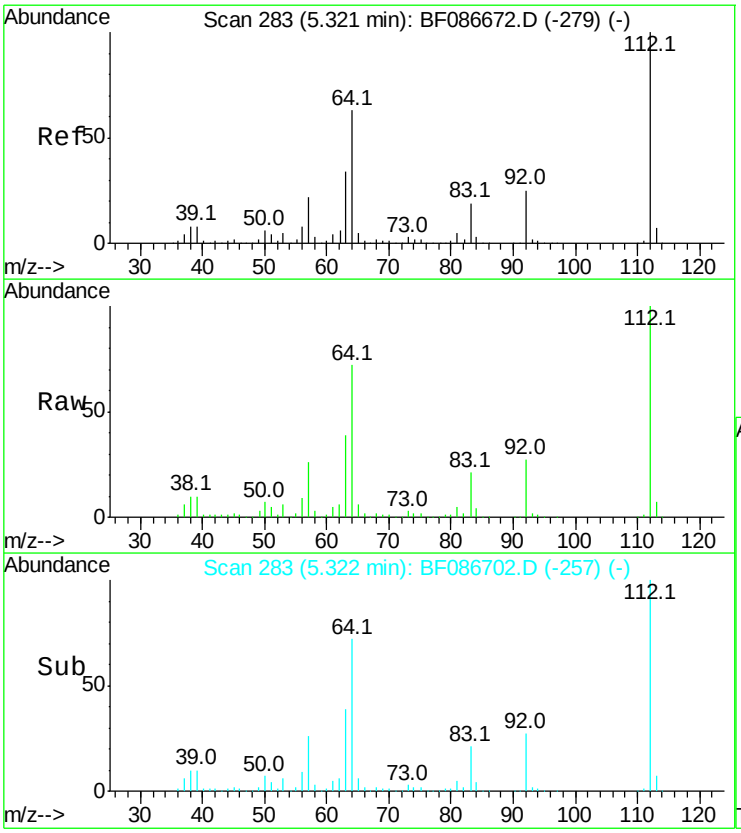
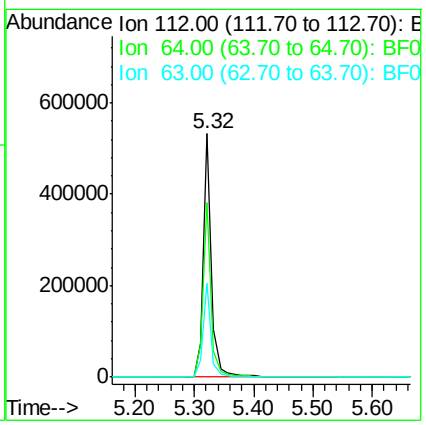
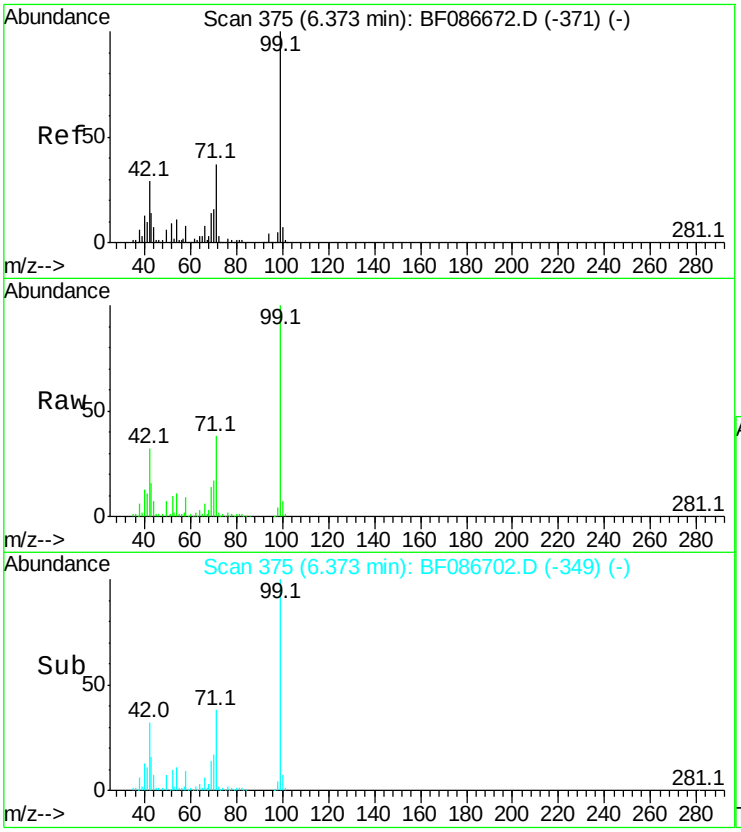


#5
2-Fluorophenol
Concen: 52.91 ng
RT: 5.32 min Scan# 283
Delta R.T. 0.00 min
Lab File: BF086702.D
Acq: 5 May 2016 3:19

Tgt Ion:112 Resp: 527681

Ion	Ratio	Lower	Upper
112	100		
64	71.8	52.1	78.1
63	38.7	25.7	38.5#

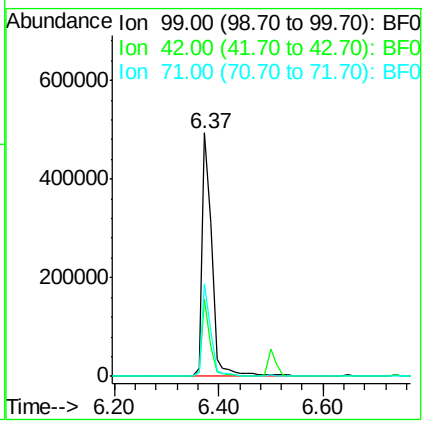




#7
Phenol-d6
Concen: 48.46 ng
RT: 6.37 min Scan# 375
Delta R.T. 0.00 min
Lab File: BF086702.D
Acq: 5 May 2016 3:19

Tgt Ion: 99 Resp: 651053

Ion	Ratio	Lower	Upper
99	100		
42	31.8	13.6	20.4#
71	37.9	24.6	36.8#



Instrument :
BNA_F
ClientSampleId :
WPG-B2(0-9.5)-C

Manual Integrations APPROVED
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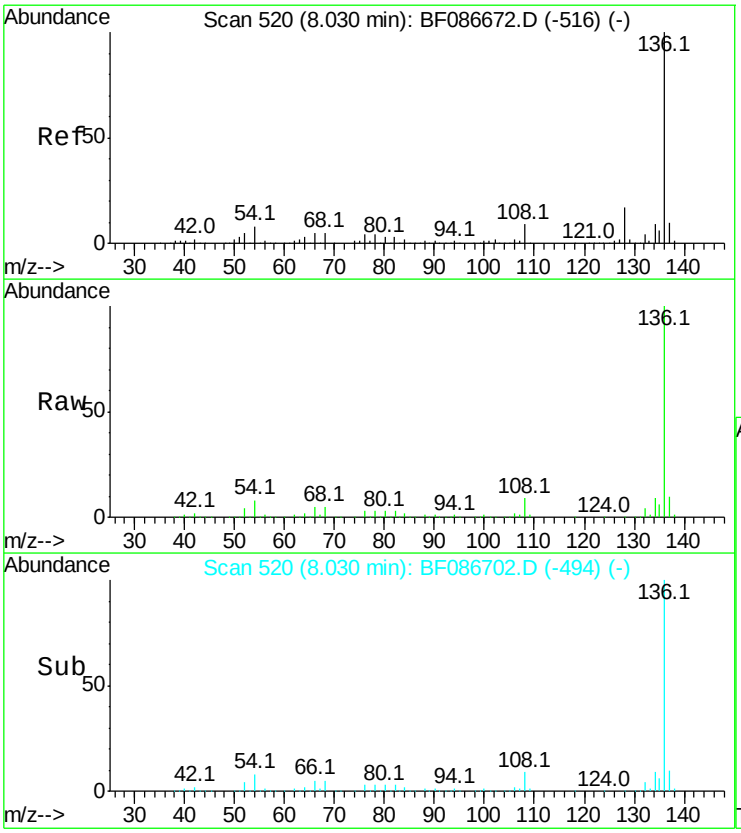
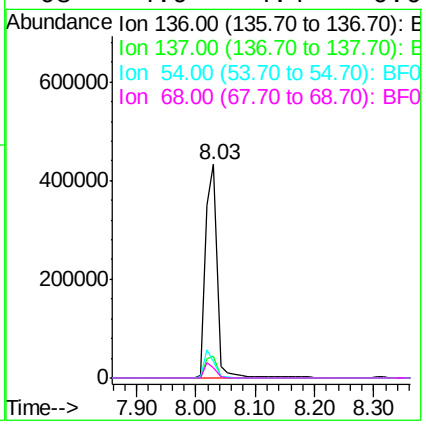
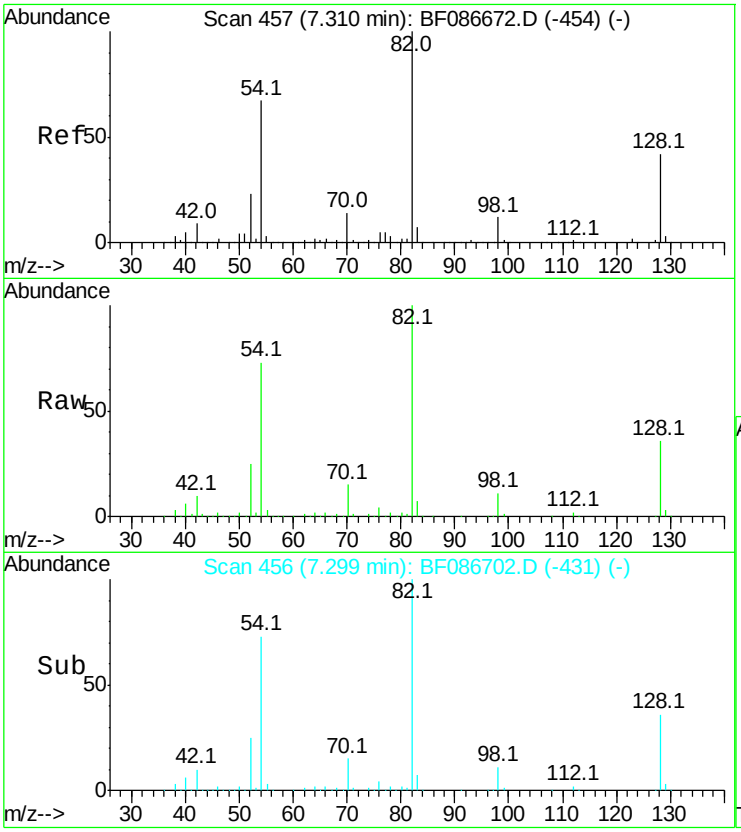


#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.03 min Scan# 520
Delta R.T. 0.00 min
Lab File: BF086702.D
Acq: 5 May 2016 3:19

Tgt Ion:136 Resp: 591183

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.8	13.2
54	7.8	5.0	7.4#
68	4.9	4.4	6.6

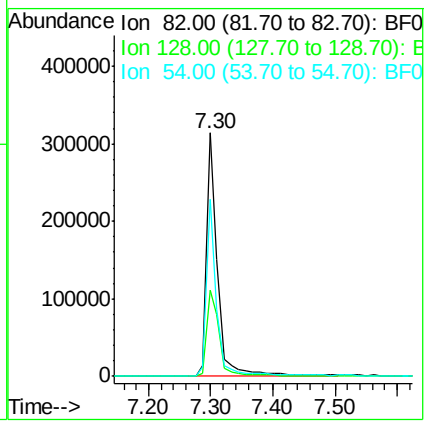




#23
Nitrobenzene-d5
Concen: 33.92 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF086702.D
Acq: 5 May 2016 3:19

Tgt Ion: 82 Resp: 390213

Ion	Ratio	Lower	Upper
82	100		
128	35.5	40.6	61.0#
54	72.7	38.1	57.1#



Instrument :
BNA_F
ClientSampleId :
WPG-B2(0-9.5)-C

Manual Integrations APPROVED
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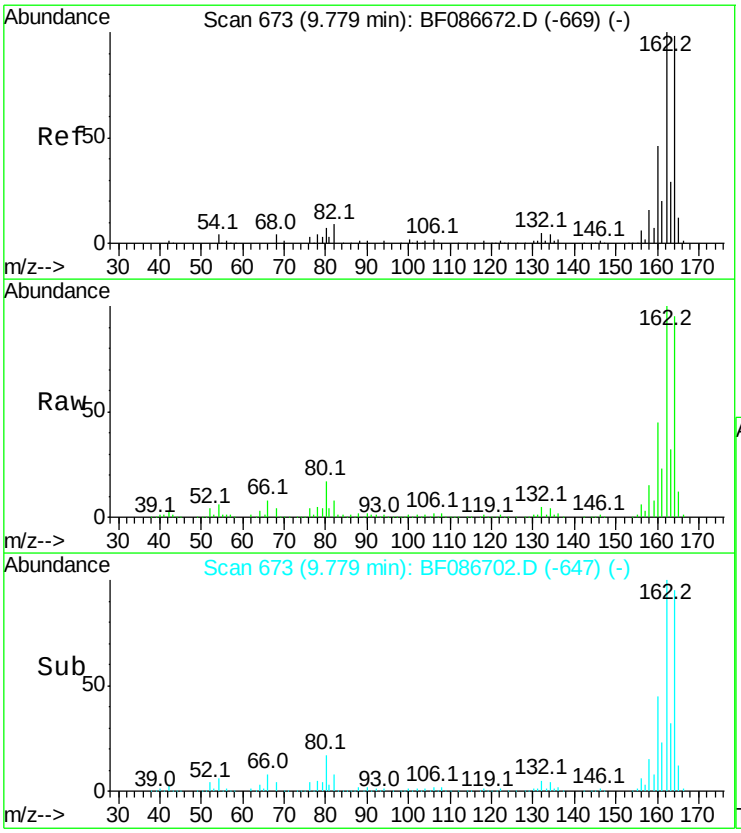
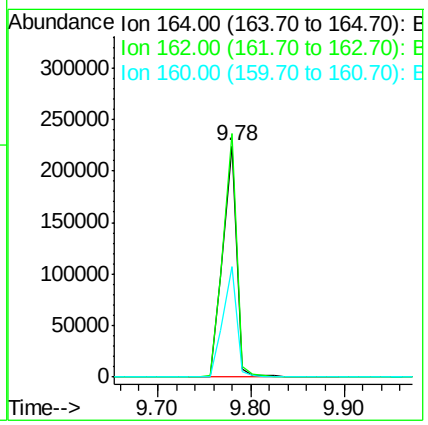
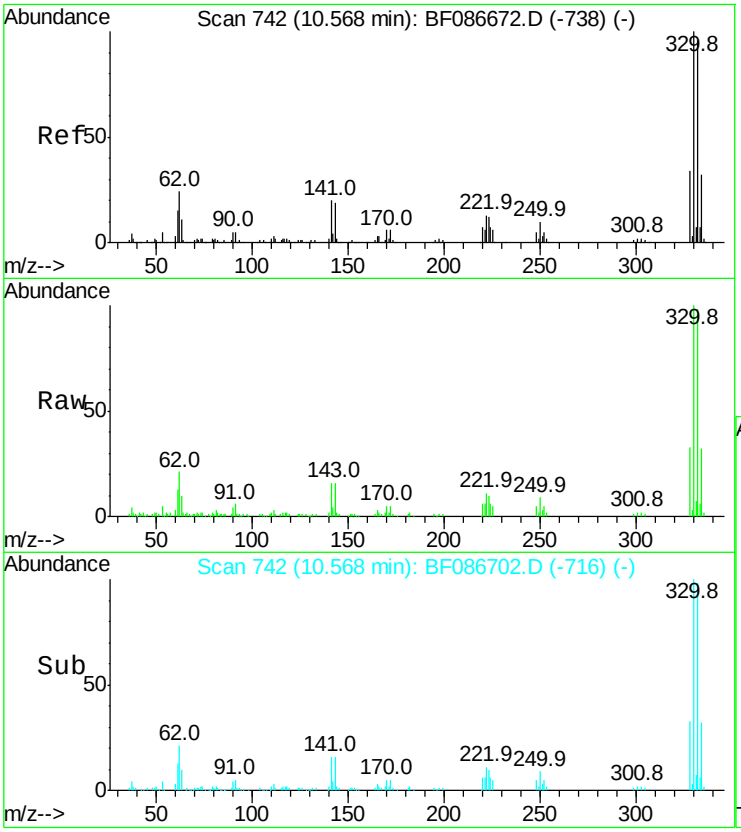


#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 9.78 min Scan# 673
Delta R.T. 0.00 min
Lab File: BF086702.D
Acq: 5 May 2016 3:19

Tgt Ion:164 Resp: 231737

Ion	Ratio	Lower	Upper
164	100		
162	105.2	82.8	124.2
160	47.7	36.9	55.3

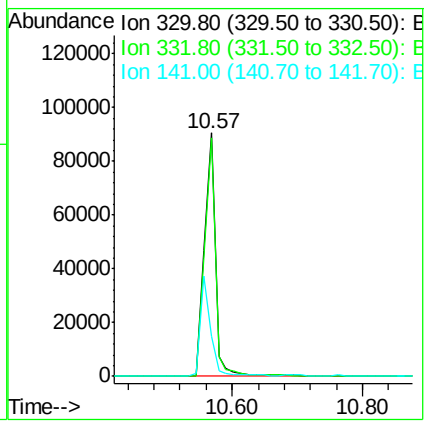




#41
2,4,6-Tribromophenol
Concen: 47.18 ng
RT: 10.57 min Scan# 742
Delta R.T. 0.00 min
Lab File: BF086702.D
Acq: 5 May 2016 3:19

Tgt Ion:330 Resp: 106946

Ion	Ratio	Lower	Upper
330	100		
332	95.9	79.0	118.4
141	38.2	31.2	46.8



Instrument :
BNA_F
ClientSampleId :
WPG-B2(0-9.5)-C

Manual Integrations APPROVED
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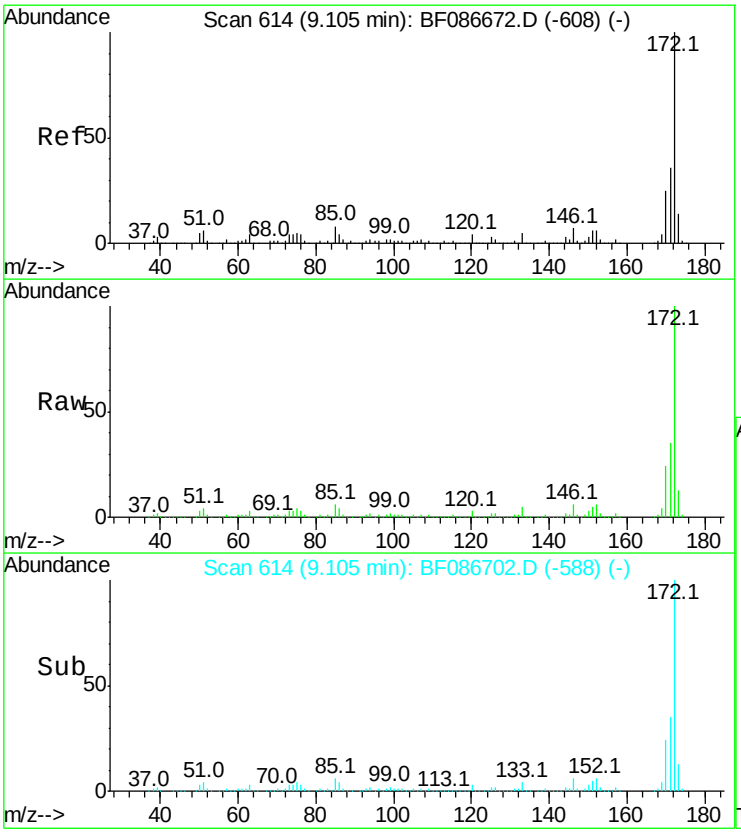
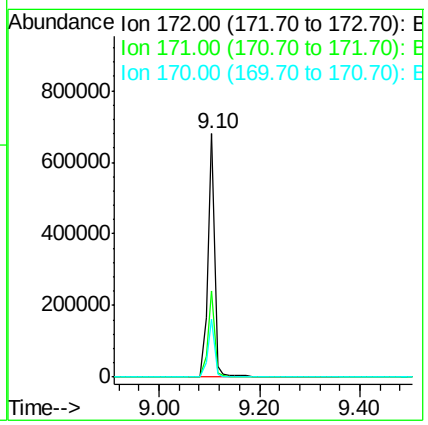
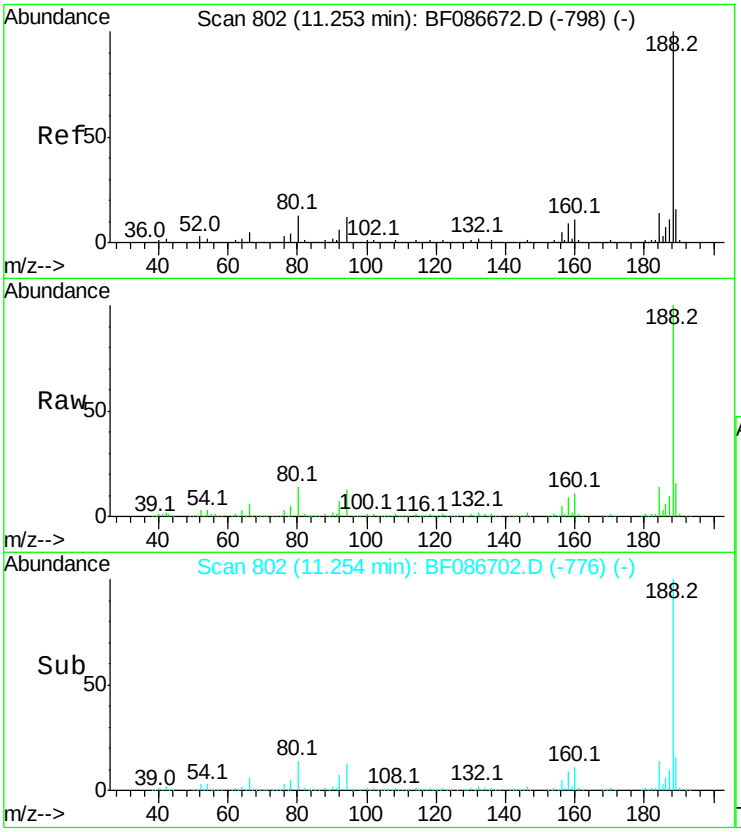


#44
2-Fluorobiphenyl
Concen: 44.97 ng
RT: 9.10 min Scan# 614
Delta R.T. 0.00 min
Lab File: BF086702.D
Acq: 5 May 2016 3:19

Tgt Ion:172 Resp: 635674

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.0	43.6
170	23.6	19.8	29.8

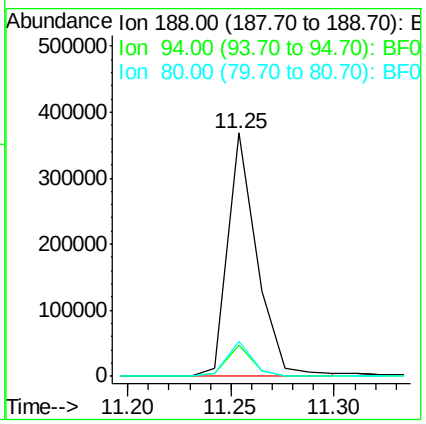




#63
Phenanthrene-d10
Concen: 40.00 ng m
RT: 11.25 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF086702.D
Acq: 5 May 2016 3:19

Tgt Ion:188 Resp: 365212

Ion	Ratio	Lower	Upper
188	100		
94	12.8	6.8	10.2#
80	14.5	7.1	10.7#



Instrument :
BNA_F
ClientSampleId :
WPG-B2(0-9.5)-C

Manual Integrations APPROVED
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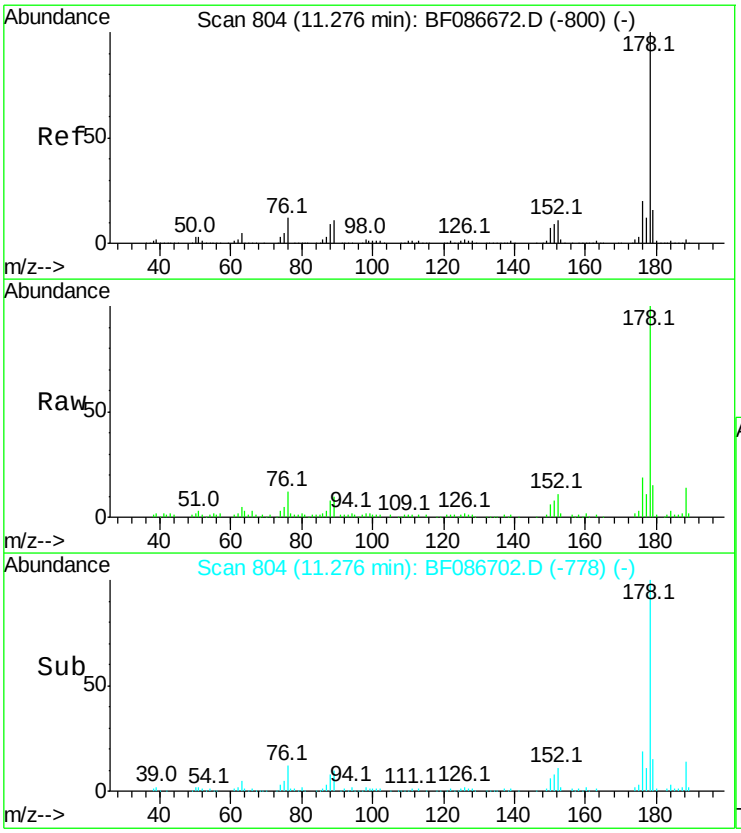
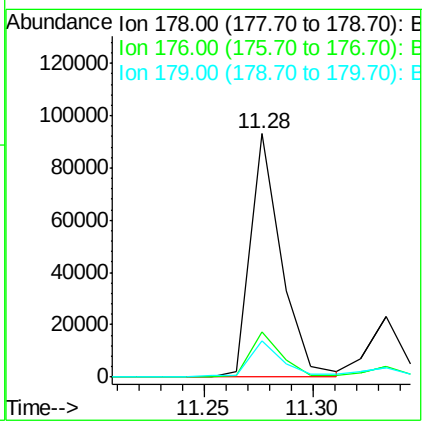
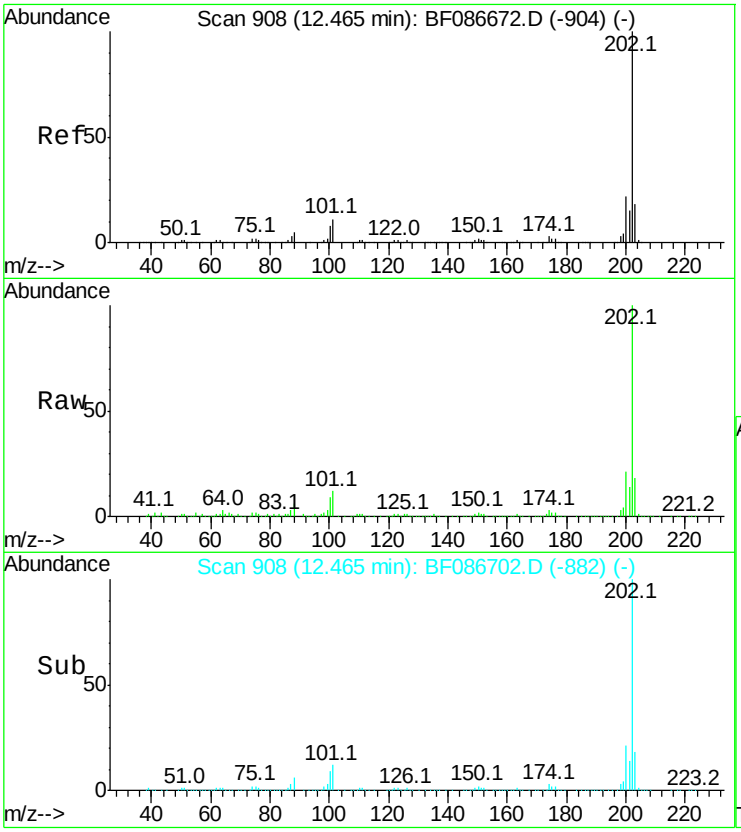


#70
Phenanthrene
Concen: 4.69 ng
RT: 11.28 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF086702.D
Acq: 5 May 2016 3:19

Tgt Ion:178 Resp: 92067

Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.0	24.0
179	14.9	12.6	18.8

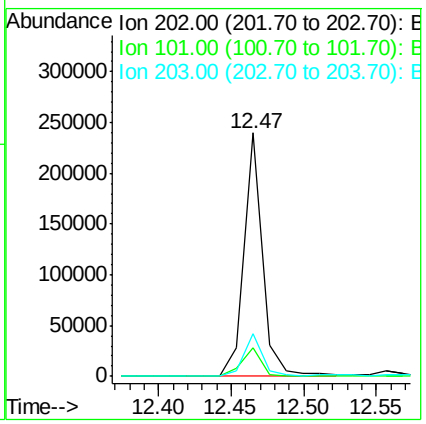




#74
Fluoranthene
Concen: 10.71 ng
RT: 12.47 min Scan# 908
Delta R.T. 0.00 min
Lab File: BF086702.D
Acq: 5 May 2016 3:19

Tgt Ion:202 Resp: 210585

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	35.4
203	17.7	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
WPG-B2(0-9.5)-C

Manual Integrations APPROVED
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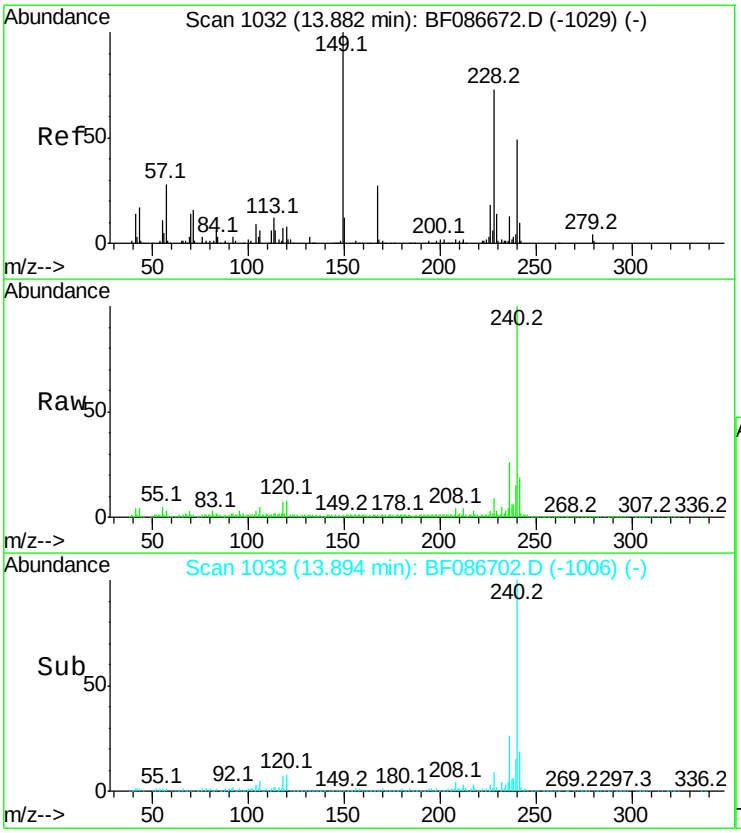
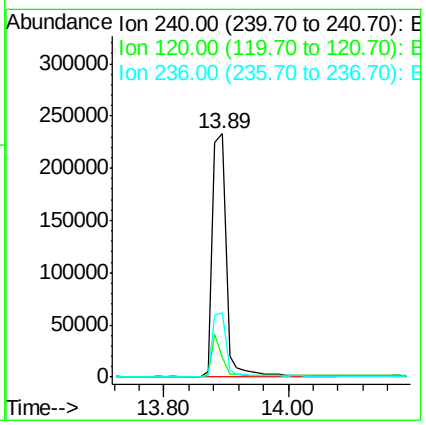
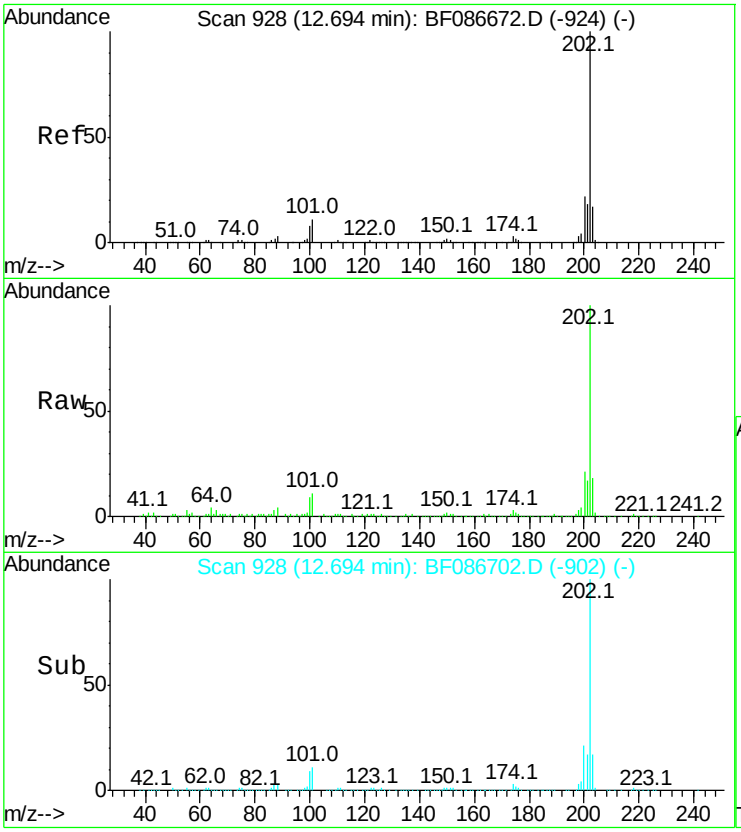


#75
Chrysene-d12
Concen: 40.00 ng
RT: 13.89 min Scan# 1033
Delta R.T. 0.01 min
Lab File: BF086702.D
Acq: 5 May 2016 3:19

Tgt Ion:240 Resp: 359516

Ion	Ratio	Lower	Upper
240	100		
120	7.9	11.2	16.8#
236	26.4	21.2	31.8

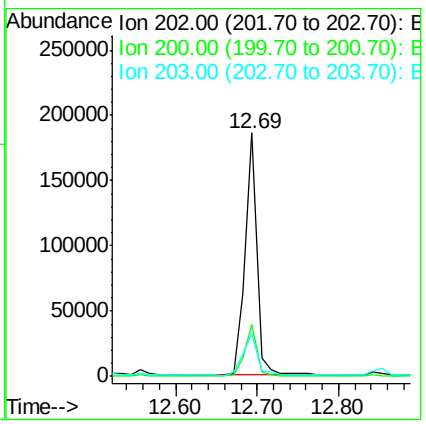




#77
Pyrene
Concen: 6.59 ng
RT: 12.69 min Scan# 928
Delta R.T. 0.00 min
Lab File: BF086702.D
Acq: 5 May 2016 3:19

Tgt Ion:202 Resp: 189024

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.7	26.5
203	17.7	14.2	21.4



Instrument :
BNA_F
ClientSampleId :
WPG-B2(0-9.5)-C

Manual Integrations APPROVED
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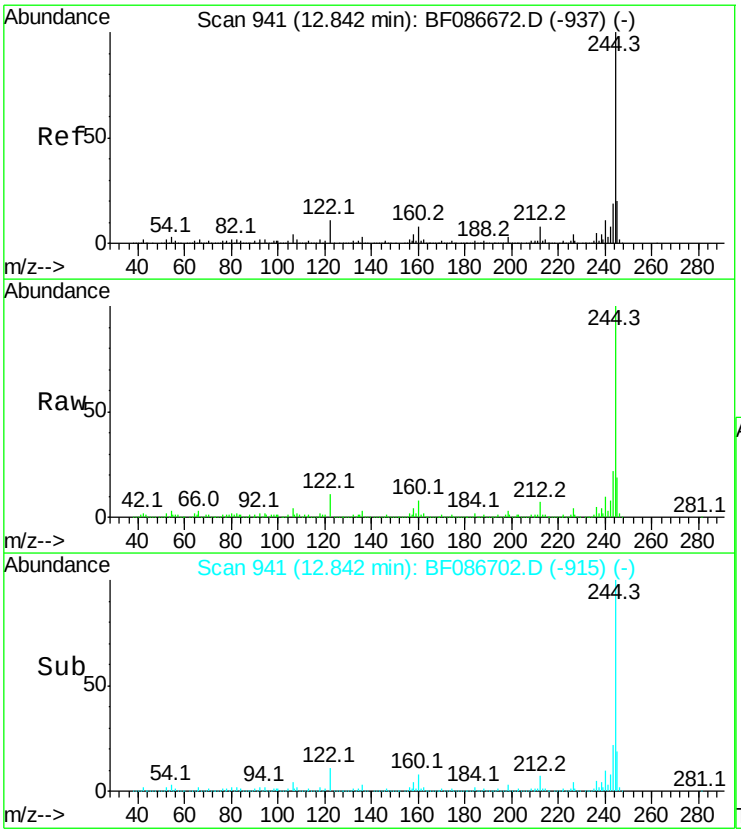
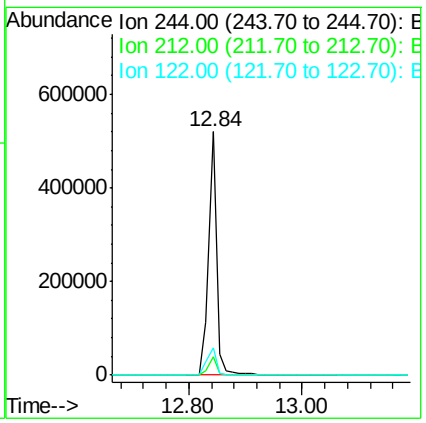
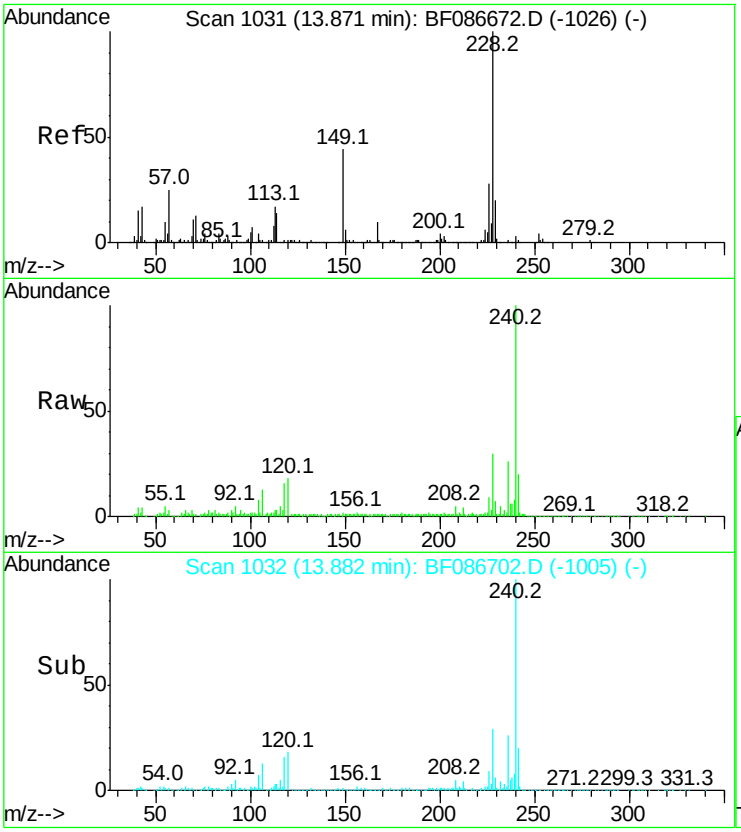


#78
Terphenyl-d14
Concen: 27.91 ng
RT: 12.84 min Scan# 941
Delta R.T. 0.00 min
Lab File: BF086702.D
Acq: 5 May 2016 3:19

Tgt Ion:244 Resp: 496415

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	11.0	12.0	18.0#

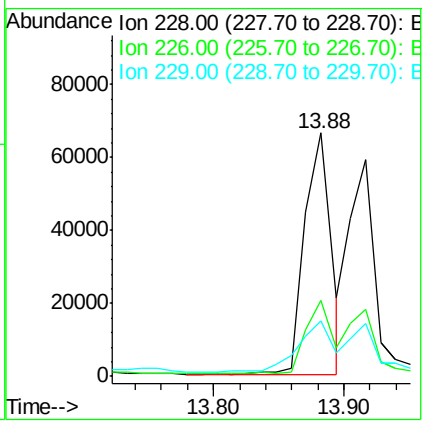




#80
Benzo(a)anthracene
Concen: 4.57 ng
RT: 13.88 min Scan# 1032
Delta R.T. 0.01 min
Lab File: BF086702.D
Acq: 5 May 2016 3:19

Tgt Ion:228 Resp: 92951

Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.5	33.7
229	22.7	16.6	25.0



Instrument :
BNA_F
ClientSampleId :
WPG-B2(0-9.5)-C

Manual Integrations APPROVED
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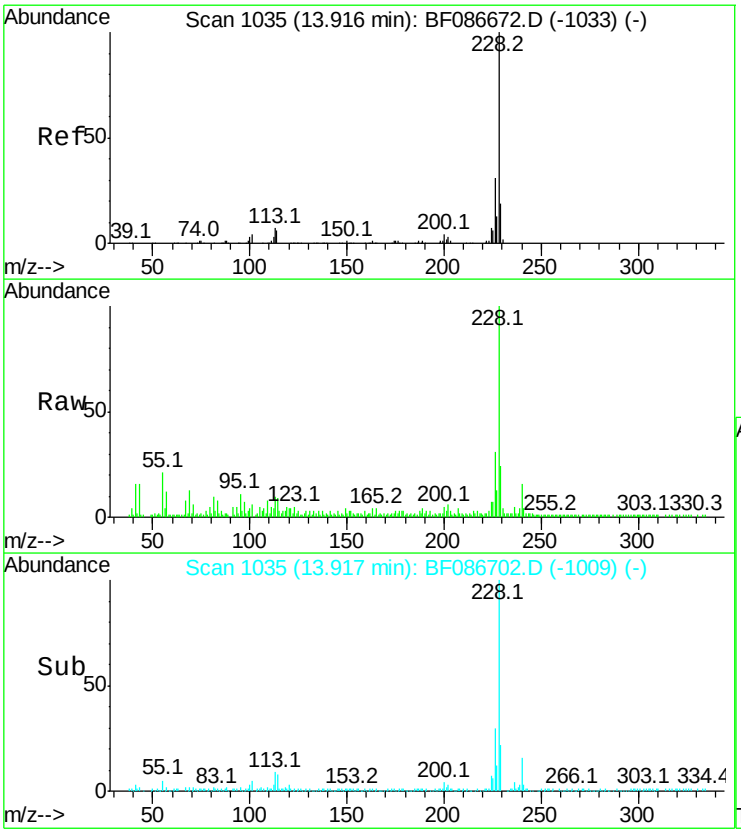
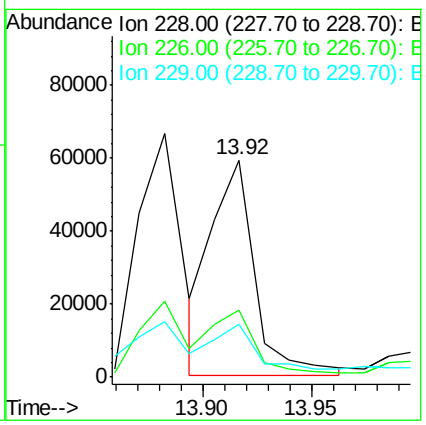
5/5/2016 3:19:12 PM

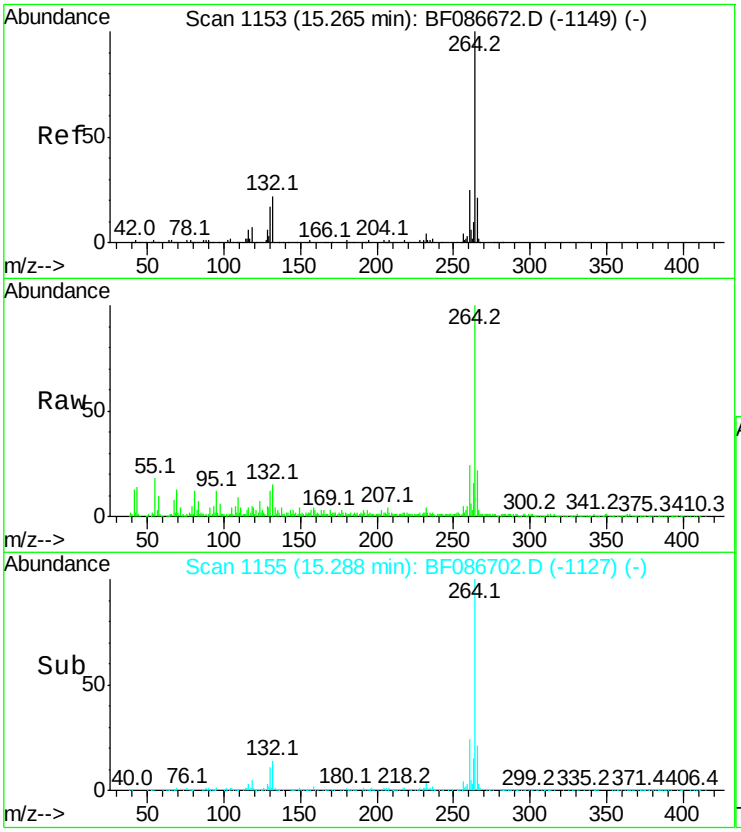


#82
Chrysene
Concen: 3.78 ng m
RT: 13.92 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF086702.D
Acq: 5 May 2016 3:19

Tgt Ion:228 Resp: 81934

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.4	36.6
229	24.3	15.8	23.8#

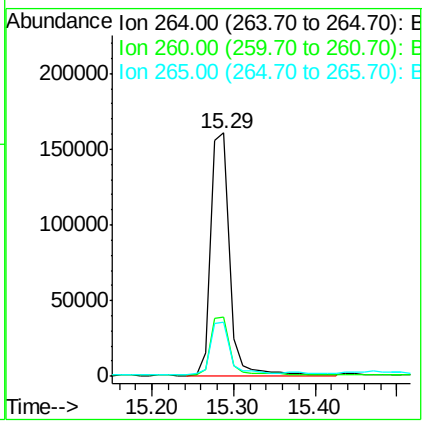




#86
Perylene-d12
Concen: 40.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. 0.02 min
Lab File: BF086702.D
Acq: 5 May 2016 3:19

Tgt Ion:264 Resp: 258904

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.1	17.3	25.9



Instrument :
BNA_F
ClientSampleId :
WPG-B2(0-9.5)-C

Manual Integrations APPROVED
sohil
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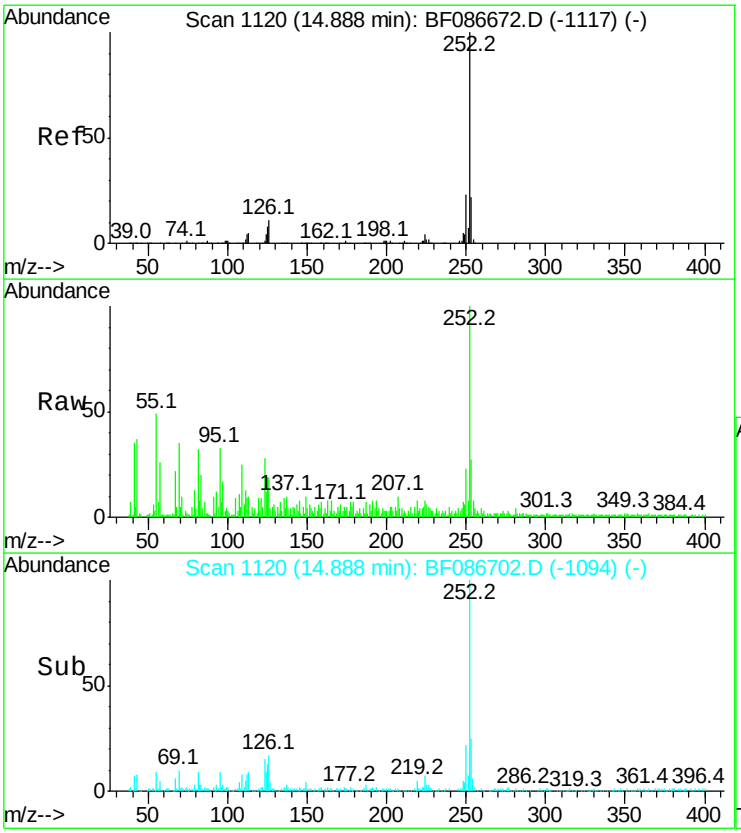
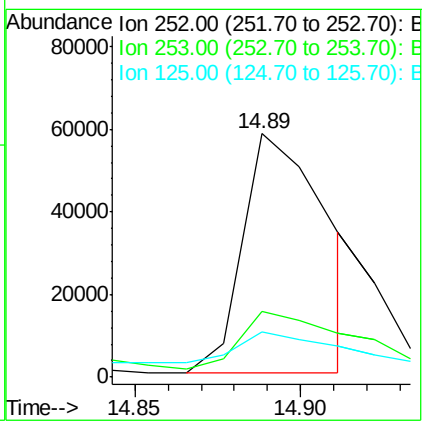
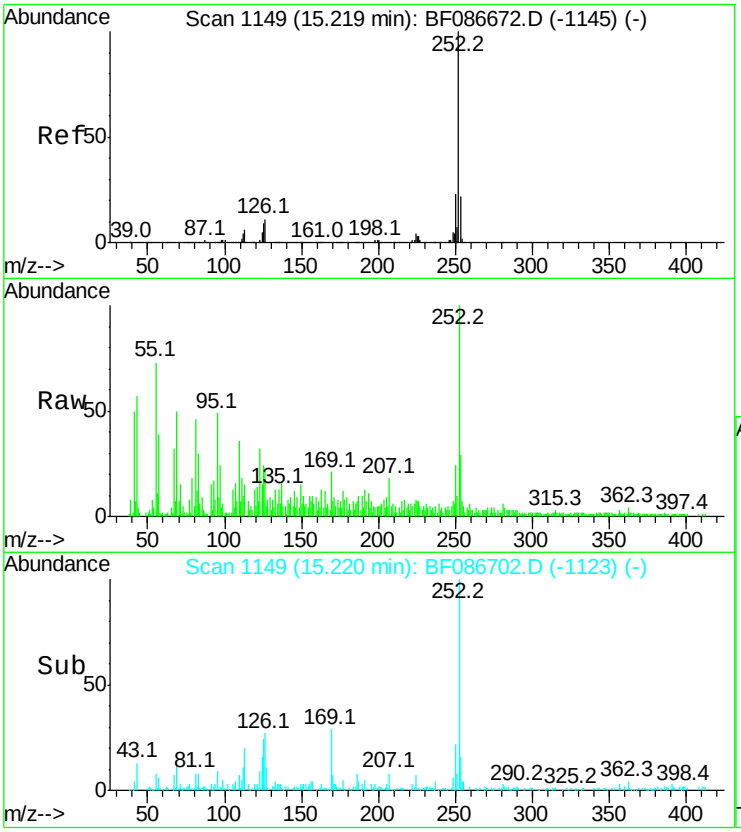


#87
Benzo(b)fluoranthene
Concen: 6.58 ng m
RT: 14.89 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BF086702.D
Acq: 5 May 2016 3:19

Tgt Ion:252 Resp: 102406

Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.8	26.6#
125	18.8	11.4	17.0#





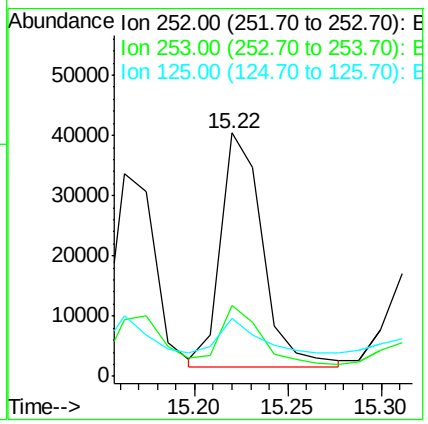
#89
Benzo(a)pyrene
Concen: 4.25 ng
RT: 15.22 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF086702.D
Acq: 5 May 2016 3:19

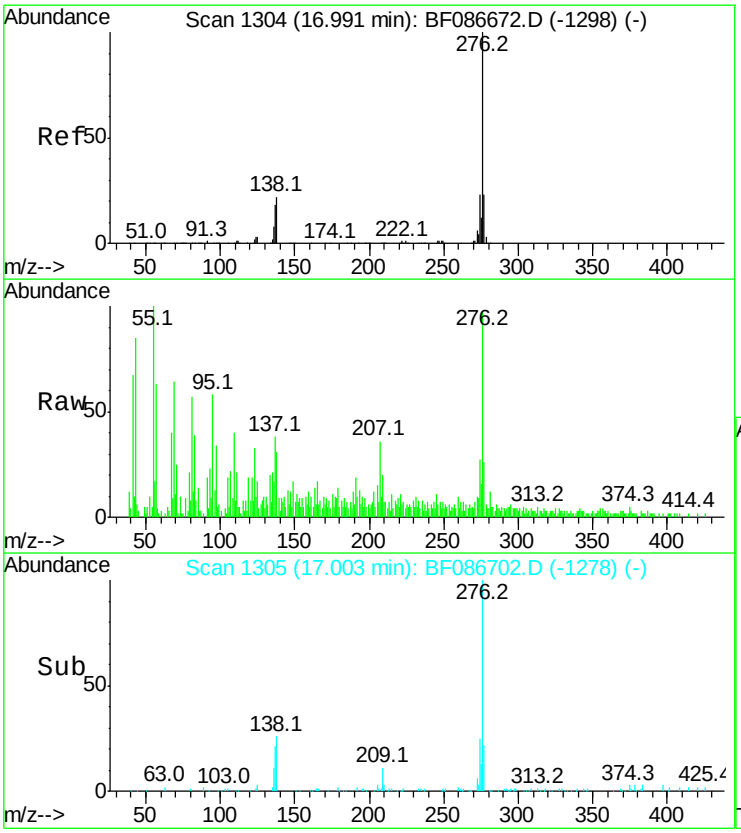
Tgt Ion:252 Resp: 60874

Ion	Ratio	Lower	Upper
252	100		
253	29.2	17.2	25.8#
125	23.7	9.0	13.6#

Instrument :
BNA_F
ClientSampleId :
WPG-B2(0-9.5)-C

Manual Integrations APPROVED
sohil
5/5/2016 3:19:12 PM





#91
Benzo(g,h,i)perylene
Concen: 2.52 ng
RT: 17.00 min Scan# 1305
Delta R.T. 0.01 min
Lab File: BF086702.D
Acq: 5 May 2016 3:19

Tgt Ion:276 Resp: 36353

Ion	Ratio	Lower	Upper
276	100		
277	27.3	19.6	29.4
138	32.4	23.6	35.4