Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
Data File : BF086902.D
Acq On : 11 May 2016 22:03
Operator : UM/SJ
Sample : H2894-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP24-7-8FT

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umangi
5/12/2016 9:10:03 AM

Quant Time: May 12 01:28:47 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 12 01:06:48 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	154991	20.00	ng		-0.01
21) Naphthalene-d8	7.92	136	648319	20.00	ng		0.00
38) Acenaphthene-d10	9.67	164	303454	20.00	ng		-0.01
63) Phenanthrene-d10	11.14	188	498968	20.00	ng		-0.01
75) Chrysene-d12	13.77	240	376472	20.00	ng		-0.01
86) Perylene-d12	15.13	264	309798	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.23	112	1328298	145.14	ng		0.01
7) Phenol-d6	6.30	99	1617981	132.28	ng		-0.01
23) Nitrobenzene-d5	7.21	82	1218199	94.35	ng		-0.01
41) 2,4,6-Tribromophenol	10.46	330	409147	127.36	ng		-0.01
44) 2-Fluorobiphenyl	9.00	172	1593343	88.25	ng		0.00
78) Terphenyl-d14	12.73	244	1131016	63.74	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	9.40	163	222400	9.61	ng		99
74) Fluoranthene	12.35	202	139553	5.10	ng		95
77) Pyrene	12.58	202	130140	4.52	ng		98
80) Benzo(a)anthracene	13.76	228	73099	3.46	ng		93
82) Chrysene	13.79	228	59888m	2.79	ng		
87) Benzo(b)fluoranthene	14.77	252	72591m	3.61	ng		
89) Benzo(a)pyrene	15.09	252	50302	2.90	ng	#	83
91) Benzo(g,h,i)perylene	16.77	276	31687	2.13	ng		94

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

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Acq On : 11 May 2016 22:03
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Instrument :
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ClientSampleId :
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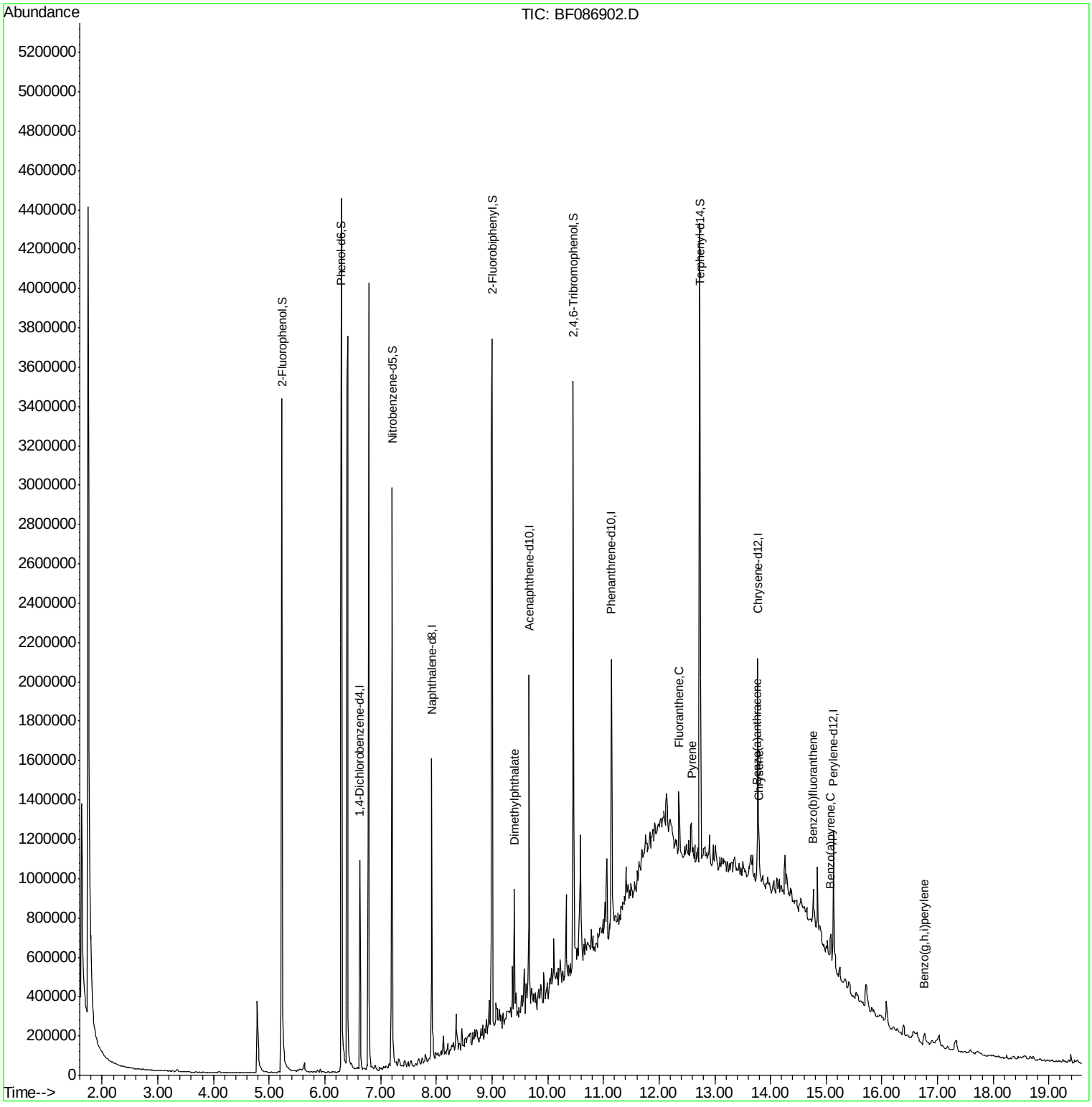
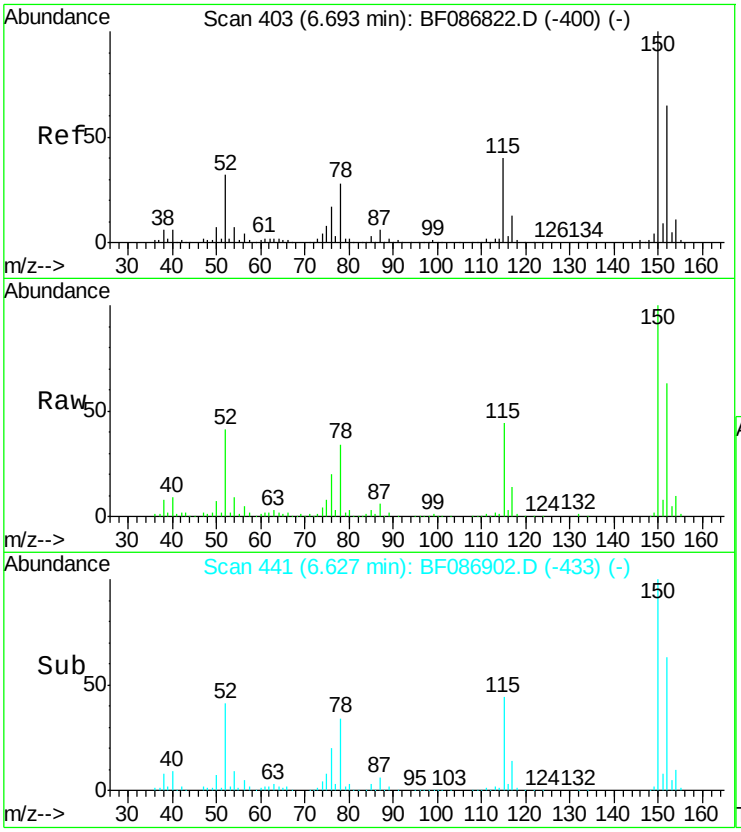
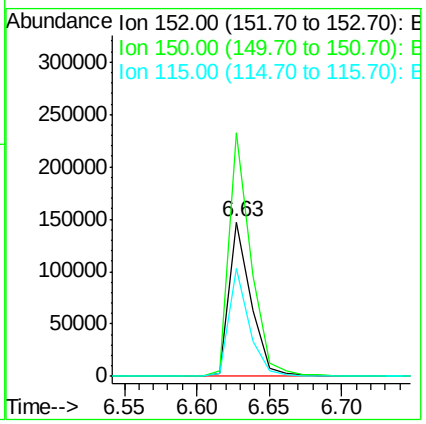




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.63 min Scan# 441
Delta R.T. -0.01 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

Tgt Ion:152 Resp: 154991

Ion	Ratio	Lower	Upper
152	100		
150	157.9	125.8	188.6
115	69.8	51.5	77.3



Instrument :
BNA_F
ClientSampleId :
TP24-7-8FT

Manual Integrations APPROVED
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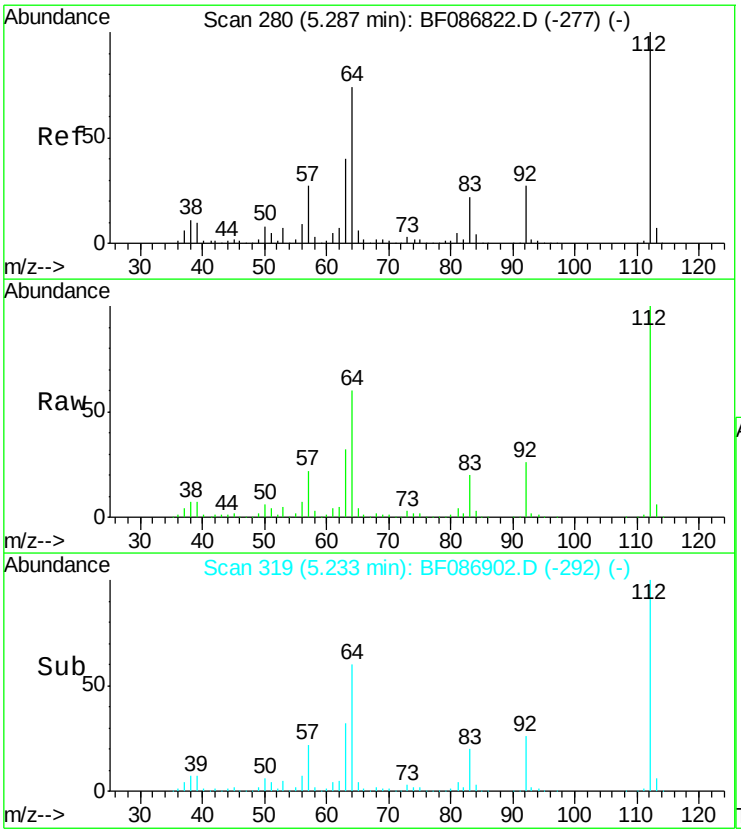
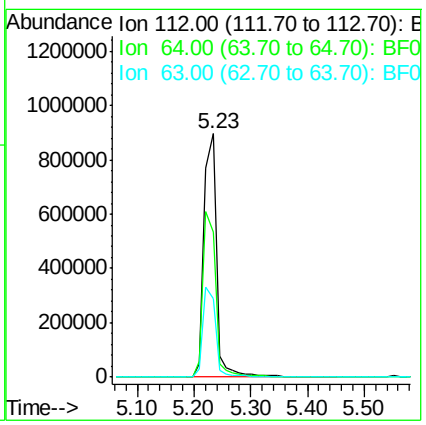
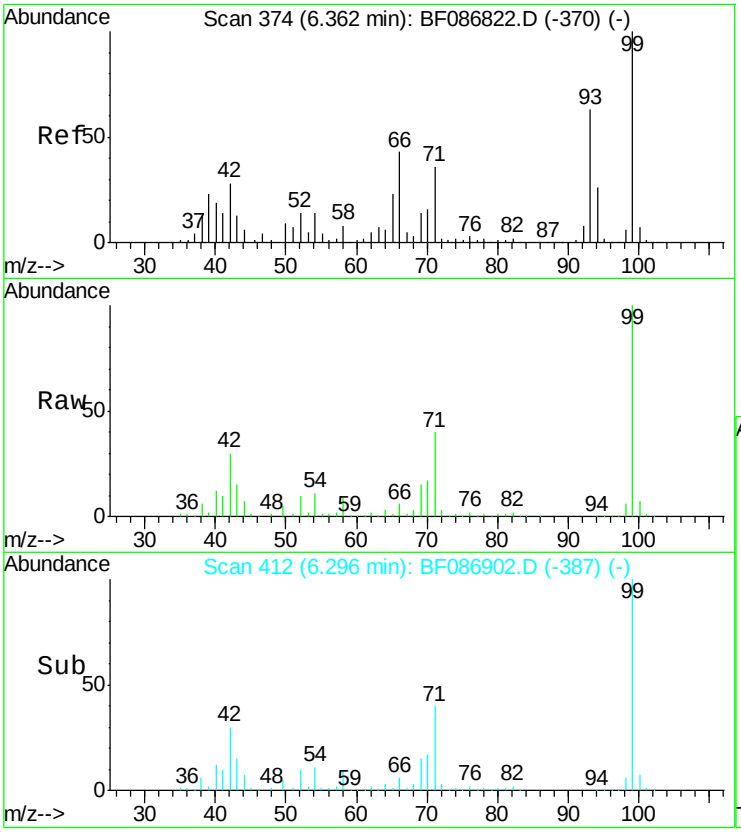


#5
2-Fluorophenol
Concen: 145.14 ng
RT: 5.23 min Scan# 319
Delta R.T. 0.01 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

Tgt Ion:112 Resp: 1328298

Ion	Ratio	Lower	Upper
112	100		
64	59.8	52.1	78.1
63	32.4	25.7	38.5

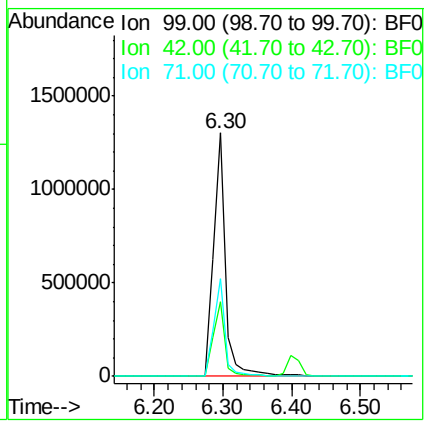




#7
Phenol-d6
Concen: 132.28 ng
RT: 6.30 min Scan# 412
Delta R.T. -0.01 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

Tgt Ion: 99 Resp: 1617981

Ion	Ratio	Lower	Upper
99	100		
42	30.4	13.6	20.4#
71	40.2	24.6	36.8#



Instrument :
BNA_F
ClientSampleId :
TP24-7-8FT

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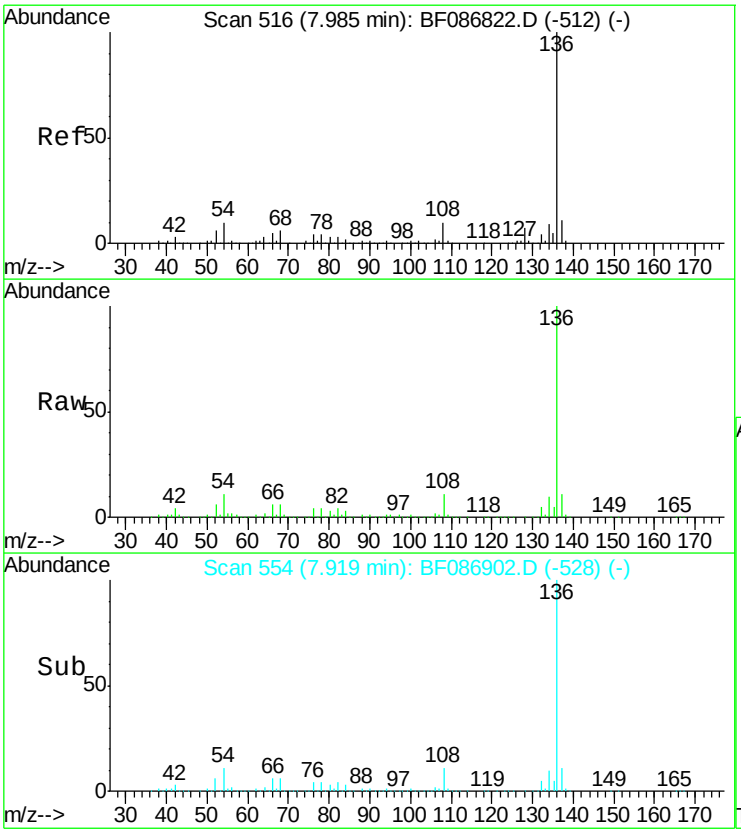
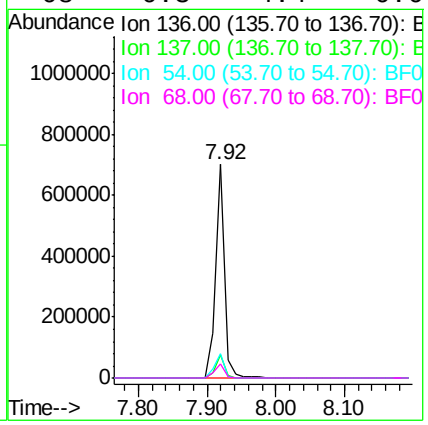
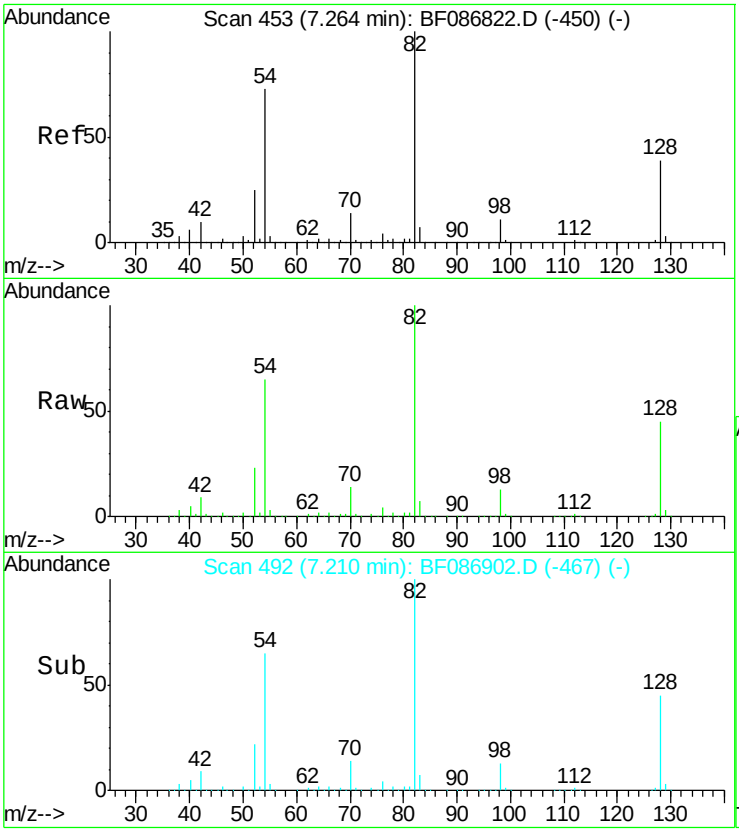


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

Tgt Ion:136 Resp: 648319

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	11.4	5.0	7.4#
68	6.3	4.4	6.6

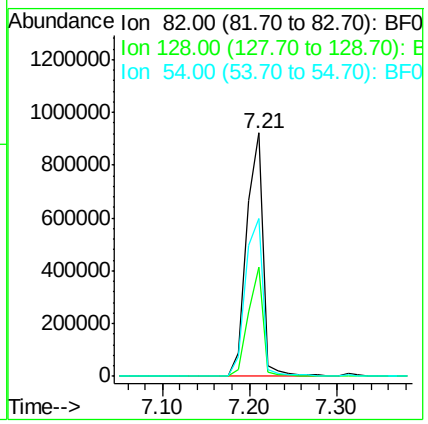




#23
Nitrobenzene-d5
Concen: 94.35 ng
RT: 7.21 min Scan# 492
Delta R.T. -0.01 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

Tgt Ion: 82 Resp: 1218199

Ion	Ratio	Lower	Upper
82	100		
128	44.9	40.6	61.0
54	64.8	38.1	57.1#



Instrument :
BNA_F
ClientSampleId :
TP24-7-8FT

Manual Integrations APPROVED
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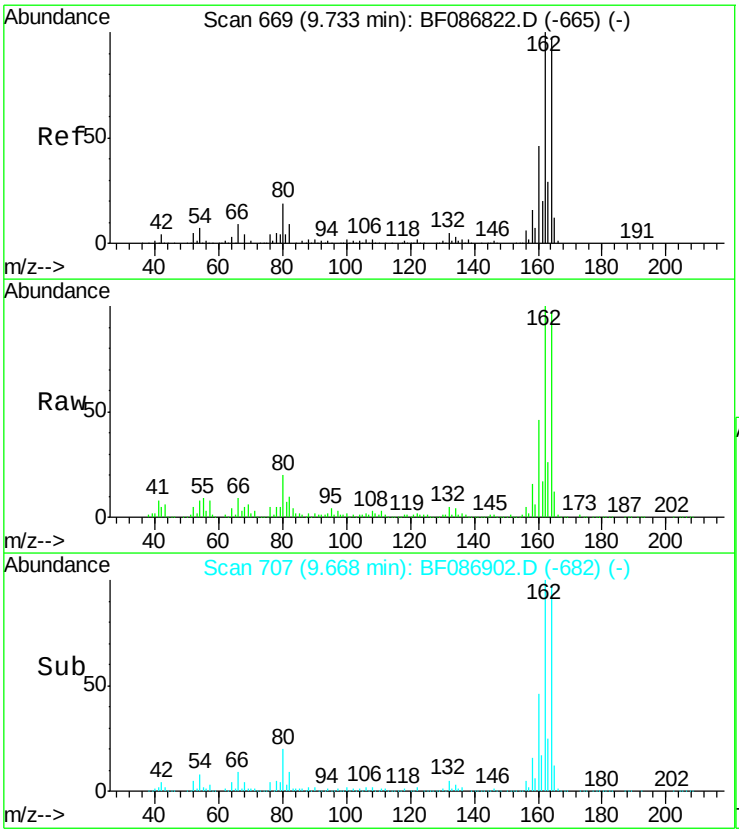
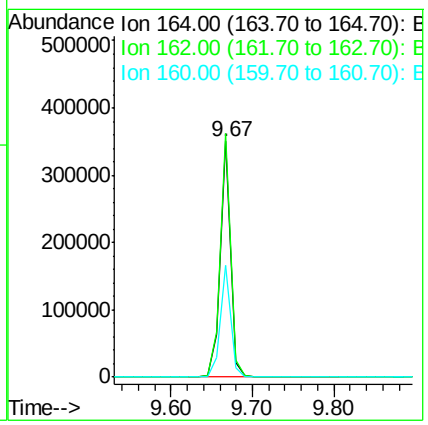
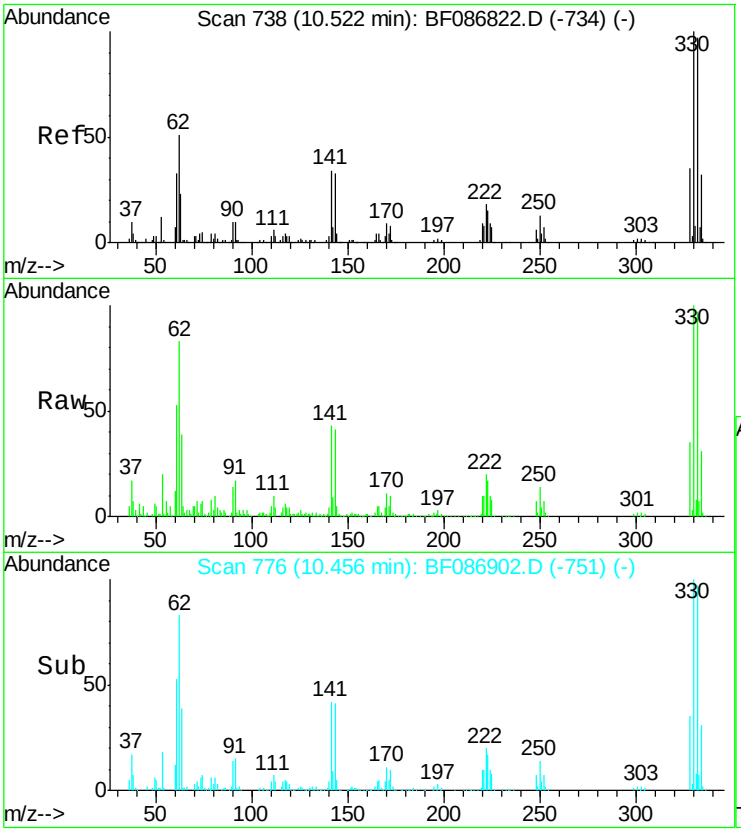


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.67 min Scan# 707
Delta R.T. -0.01 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

Tgt Ion:164 Resp: 303454

Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.8	124.2
160	47.4	36.9	55.3

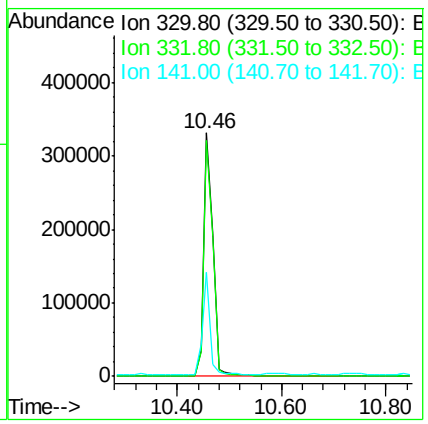




#41
2,4,6-Tribromophenol
Concen: 127.36 ng
RT: 10.46 min Scan# 776
Delta R.T. -0.01 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

Tgt Ion:330 Resp: 409147

Ion	Ratio	Lower	Upper
330	100		
332	97.1	79.0	118.4
141	35.9	31.2	46.8



Instrument :
BNA_F
ClientSampleId :
TP24-7-8FT

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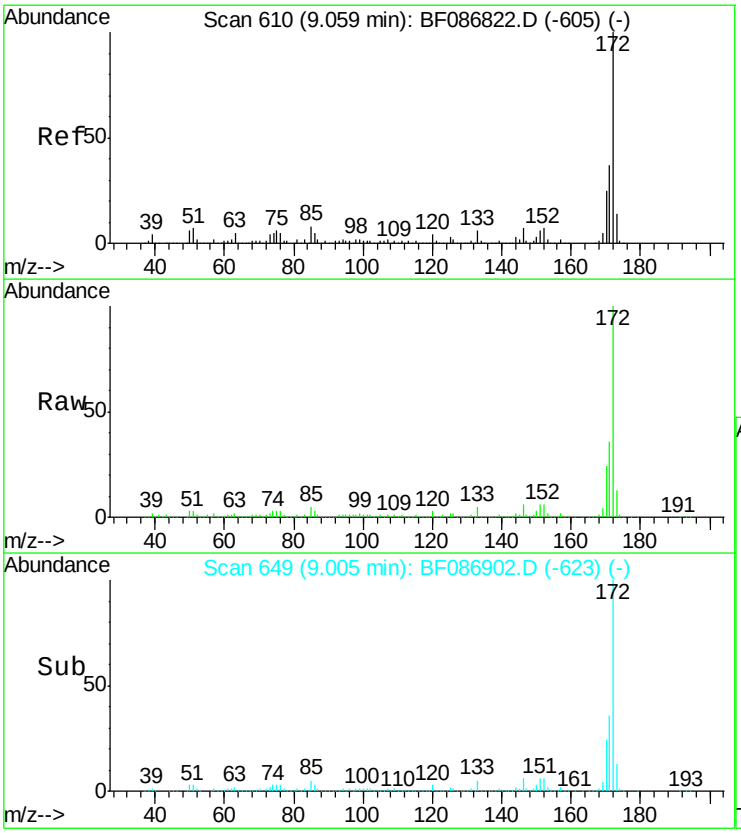
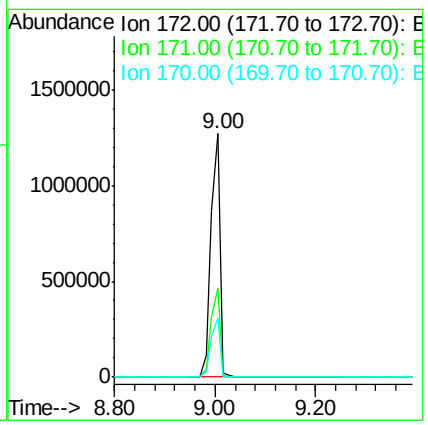
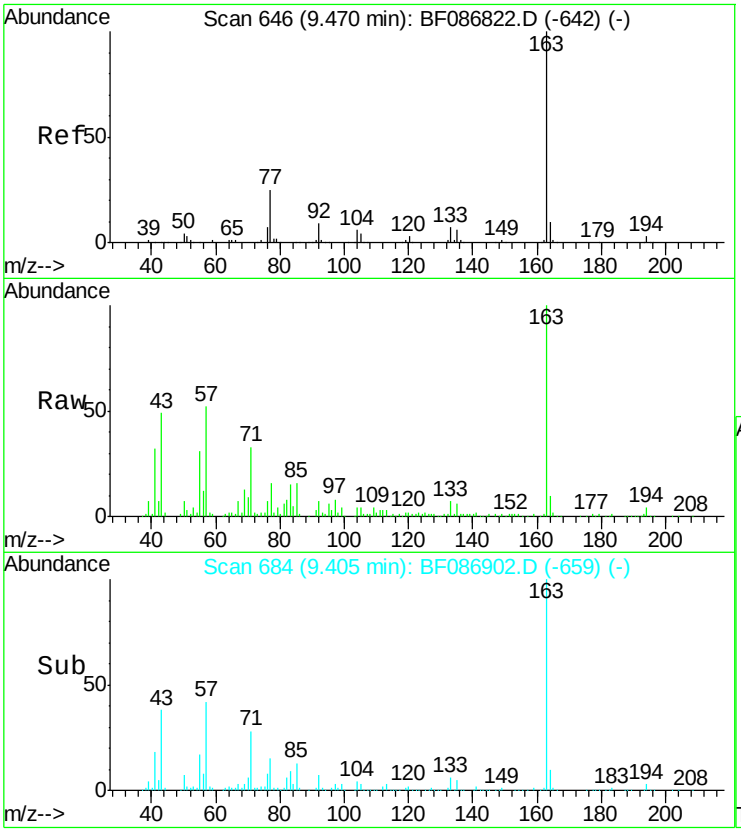


#44
2-Fluorobiphenyl
Concen: 88.25 ng
RT: 9.00 min Scan# 649
Delta R.T. 0.00 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

Tgt Ion:172 Resp: 1593343

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.6
170	24.4	19.8	29.8

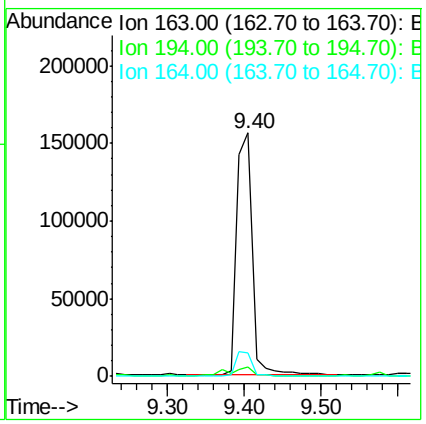




#49
Dimethylphthalate
Concen: 9.61 ng
RT: 9.40 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

Tgt Ion:163 Resp: 222400

Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.6	4.0
164	9.8	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
TP24-7-8FT

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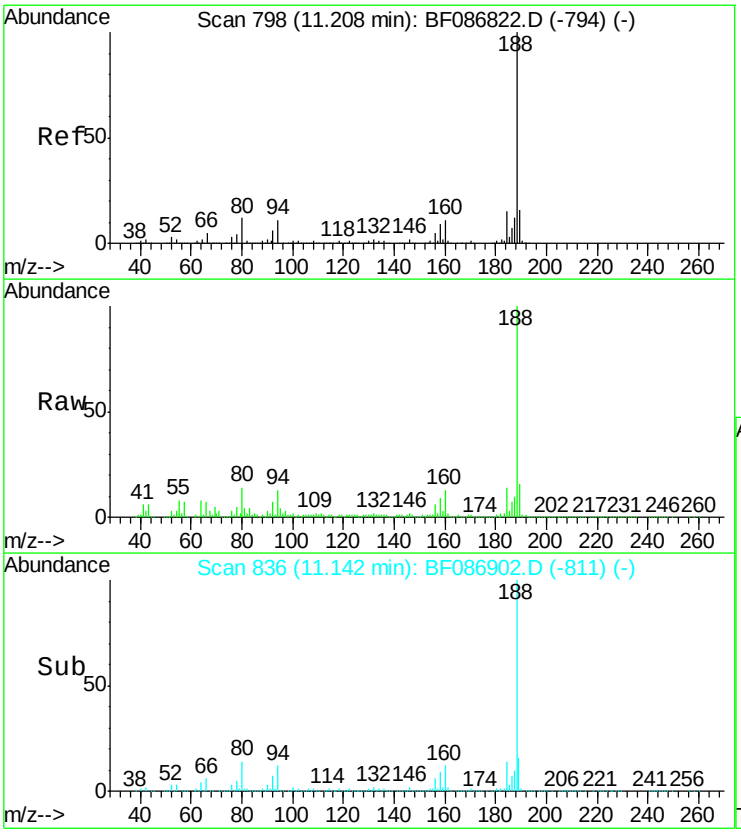
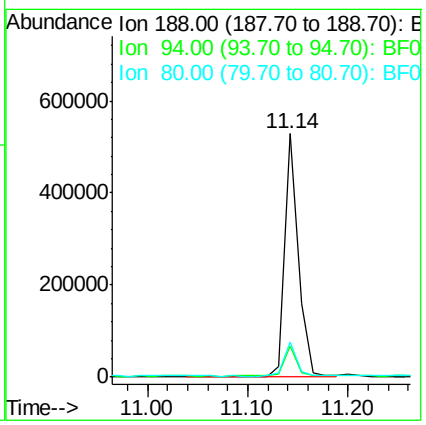
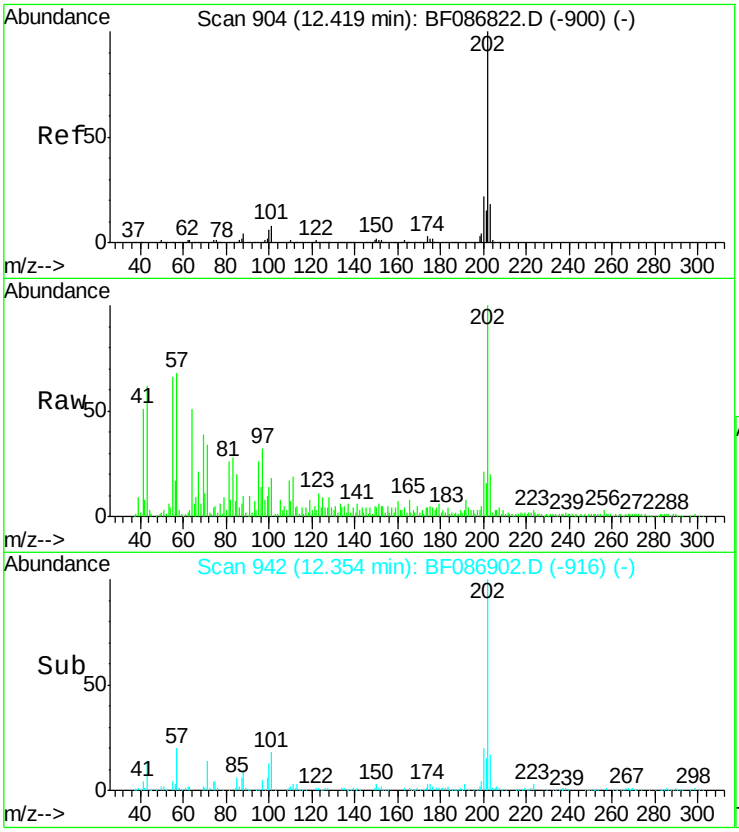


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 836
Delta R.T. -0.01 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

Tgt Ion:188 Resp: 498968

Ion	Ratio	Lower	Upper
188	100		
94	12.6	6.8	10.2#
80	14.3	7.1	10.7#

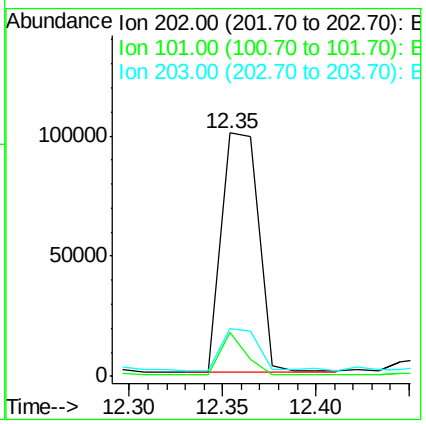




#74
Fluoranthene
Concen: 5.10 ng
RT: 12.35 min Scan# 942
Delta R.T. 0.00 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

Tgt Ion:202 Resp: 139553

Ion	Ratio	Lower	Upper
202	100		
101	18.0	0.0	35.4
203	19.5	0.0	38.1



Instrument :
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ClientSampleId :
TP24-7-8FT

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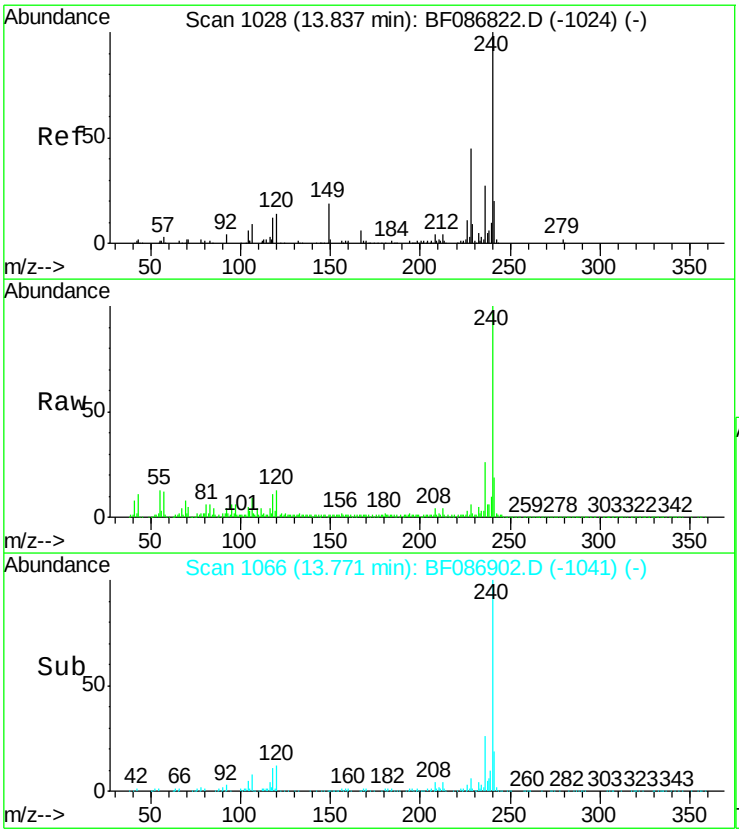
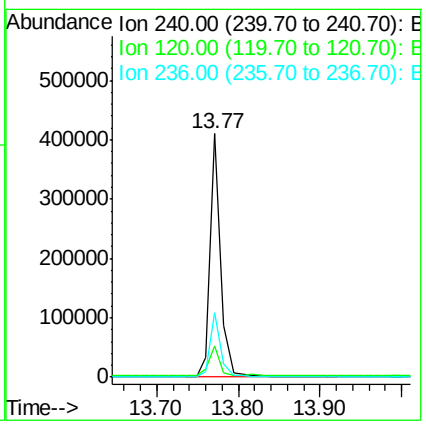
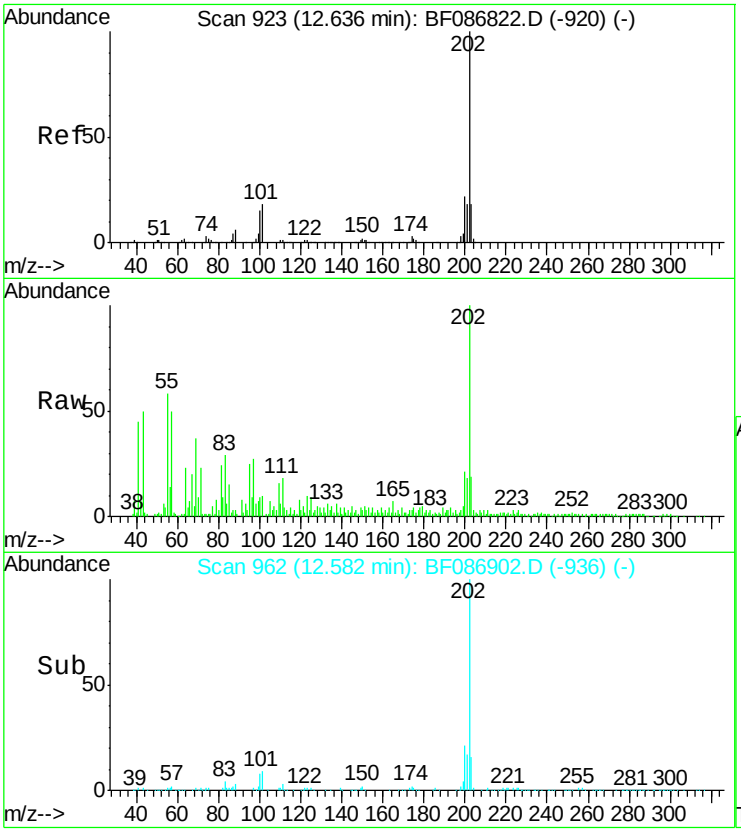


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.77 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

Tgt Ion:240 Resp: 376472

Ion	Ratio	Lower	Upper
240	100		
120	13.0	11.2	16.8
236	26.4	21.2	31.8

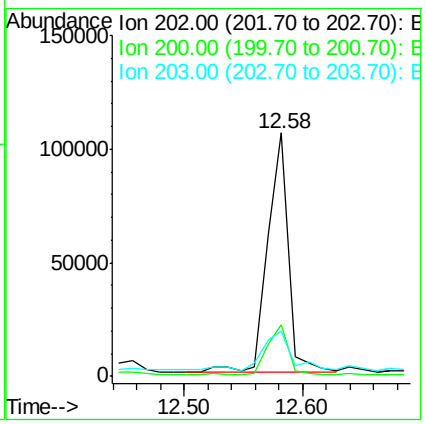




#77
Pyrene
Concen: 4.52 ng
RT: 12.58 min Scan# 962
Delta R.T. 0.00 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

Tgt Ion:202 Resp: 130140

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.7	26.5
203	18.6	14.2	21.4



Instrument :
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Manual Integrations APPROVED
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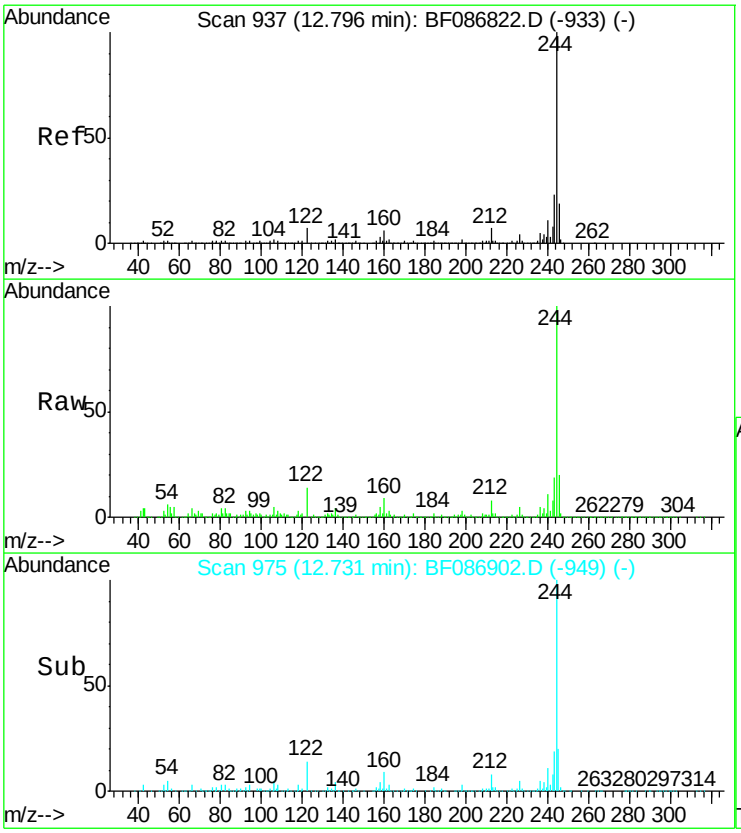
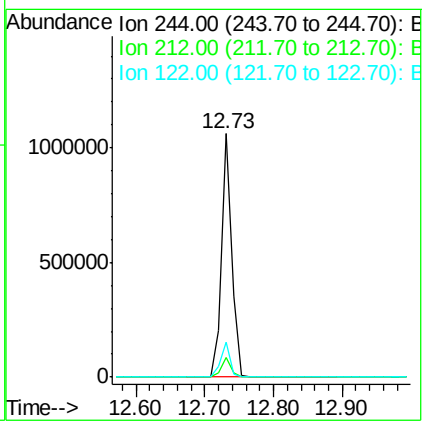
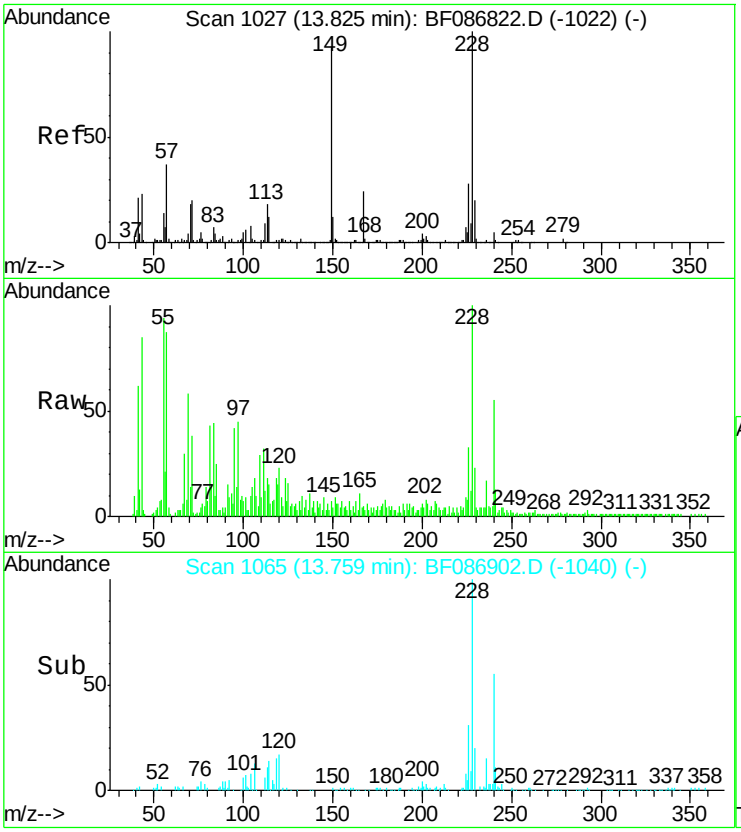


#78
Terphenyl-d14
Concen: 63.74 ng
RT: 12.73 min Scan# 975
Delta R.T. 0.00 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

Tgt Ion:244 Resp: 1131016

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.2
122	14.3	12.0	18.0

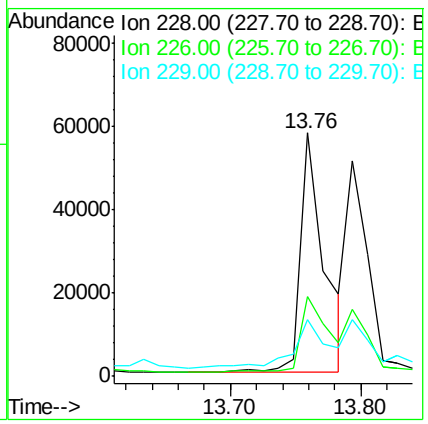




#80
Benzo(a)anthracene
Concen: 3.46 ng
RT: 13.76 min Scan# 1065
Delta R.T. -0.01 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

Tgt Ion:228 Resp: 73099

Ion	Ratio	Lower	Upper
228	100		
226	32.5	22.5	33.7
229	23.5	16.6	25.0



Instrument :
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TP24-7-8FT

Manual Integrations APPROVED
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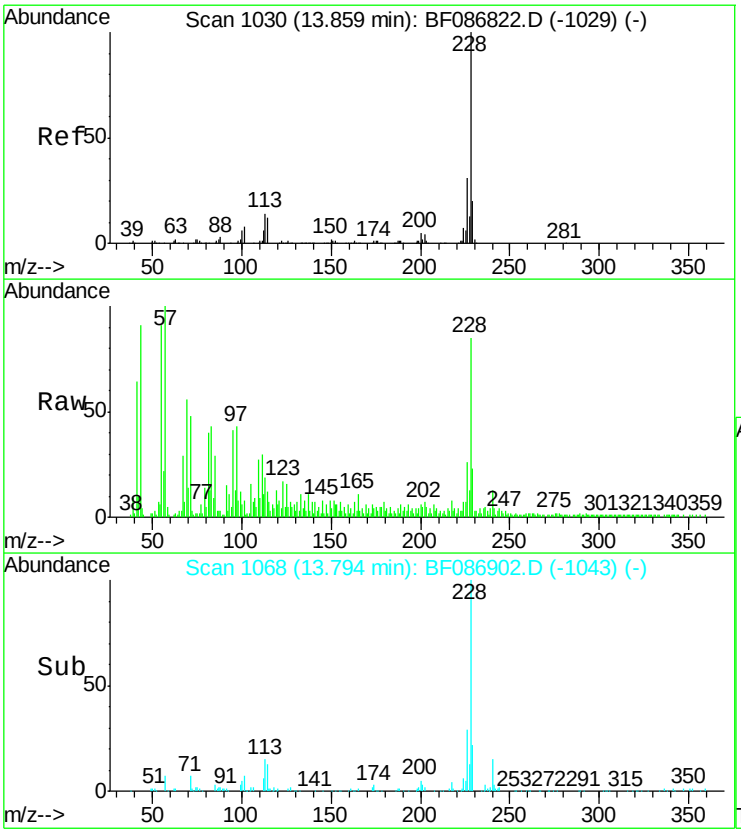
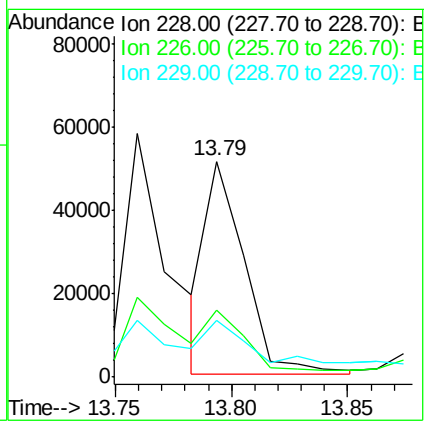
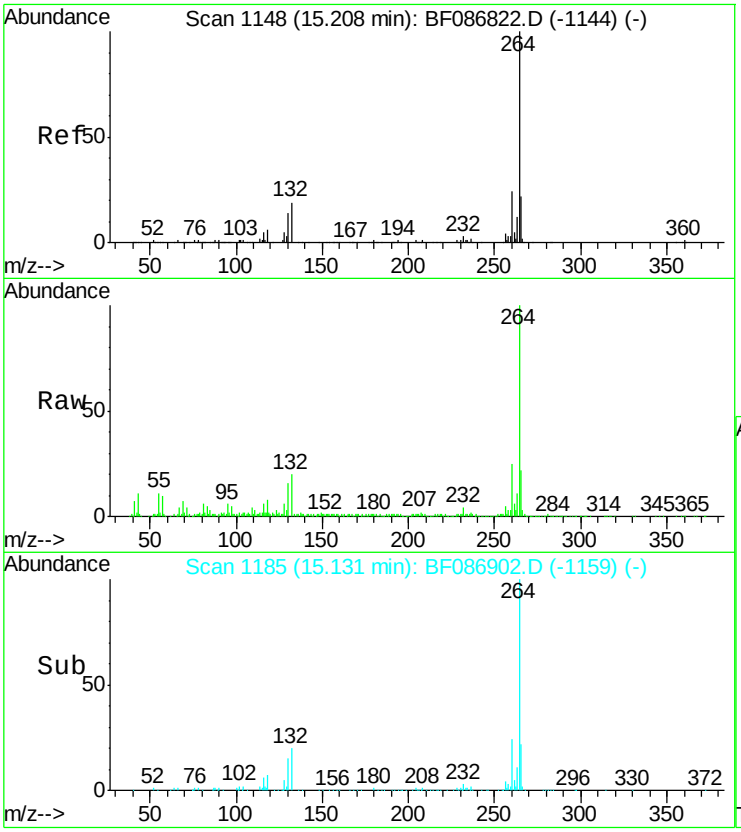


#82
Chrysene
Concen: 2.79 ng m
RT: 13.79 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

Tgt Ion:228 Resp: 59888

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.4	36.6
229	26.5	15.8	23.8#

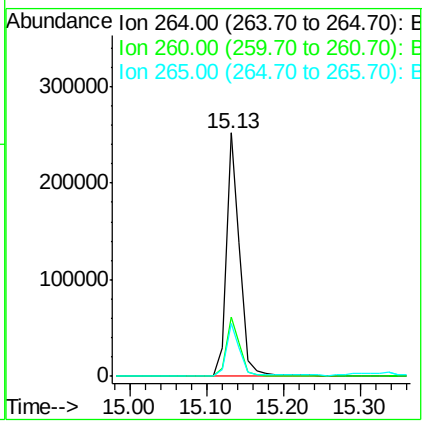




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1185
Delta R.T. 0.00 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

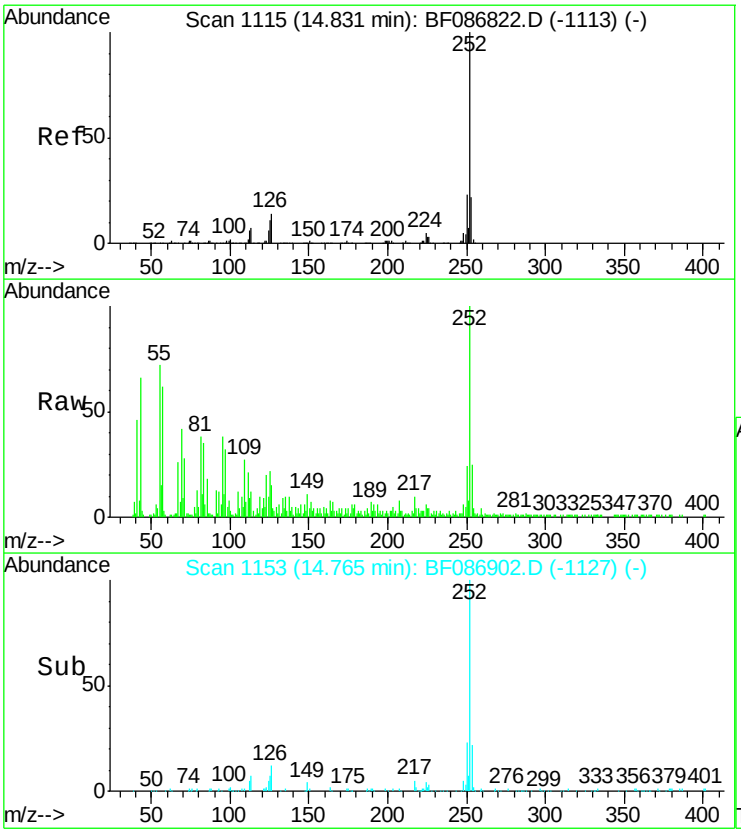
Tgt Ion:264 Resp: 309798

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.8	17.3	25.9



Instrument :
BNA_F
ClientSampleId :
TP24-7-8FT

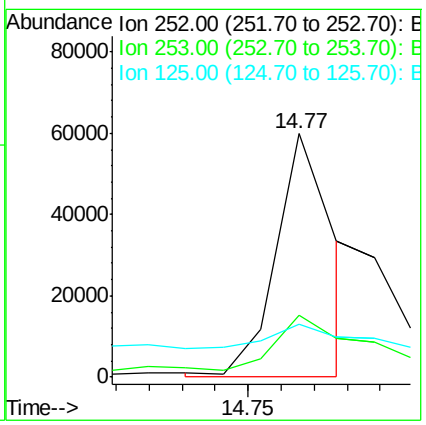
Manual Integrations APPROVED
umangi
5/12/2016 9:10:03 AM

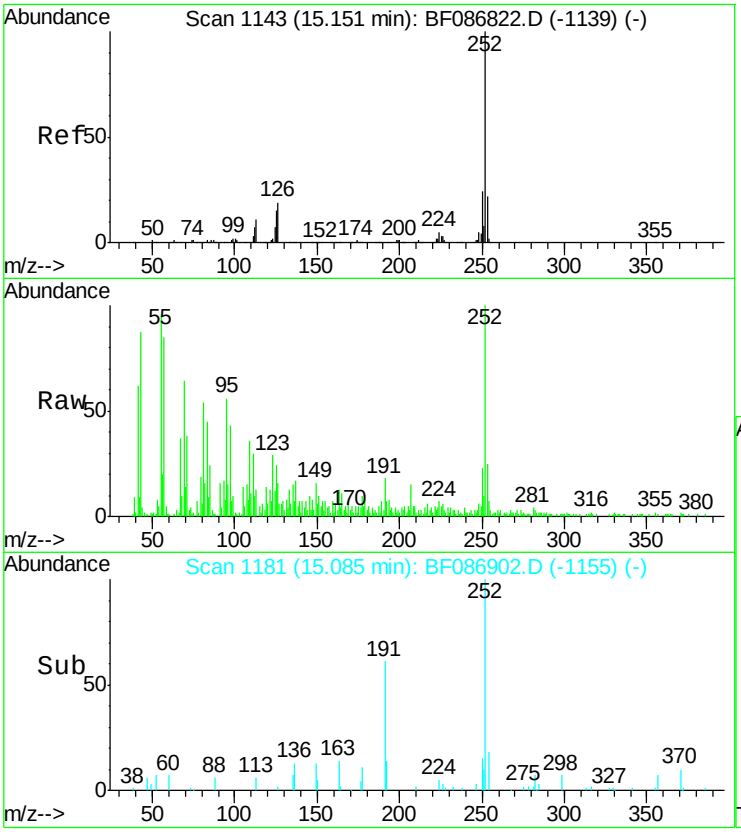


#87
Benzo(b)fluoranthene
Concen: 3.61 ng m
RT: 14.77 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

Tgt Ion:252 Resp: 72591

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.8	26.6
125	22.0	11.4	17.0#





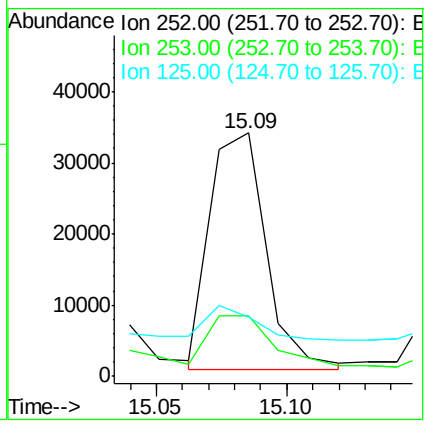
#89
Benzo(a)pyrene
Concen: 2.90 ng
RT: 15.09 min Scan# 1181
Delta R.T. 0.00 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

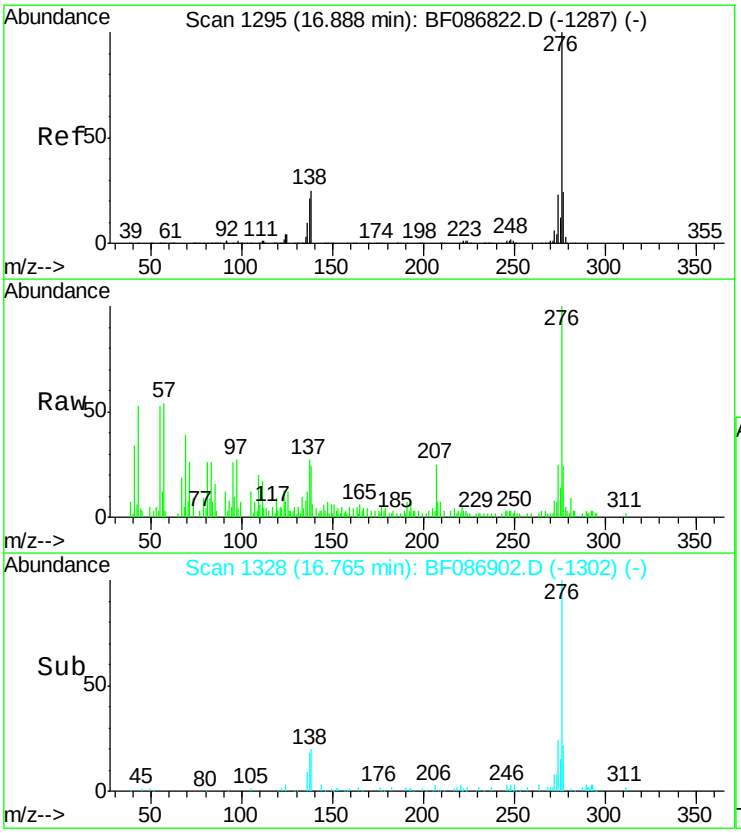
Tgt Ion:252 Resp: 50302

Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.2	25.8
125	24.5	9.0	13.6#

Instrument :
BNA_F
ClientSampleId :
TP24-7-8FT

Manual Integrations APPROVED
umangi
5/12/2016 9:10:03 AM





#91
Benzo(g,h,i)perylene
Concen: 2.13 ng
RT: 16.77 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF086902.D
Acq: 11 May 2016 22:03

Tgt Ion:276 Resp: 31687

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.6	29.4
138	23.9	23.6	35.4