Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070317\
Data File : BF096467.D
Acq On : 4 Jul 2017 4:36
Operator : SJ/MA
Sample : I4029-05 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-P4-NSW

Manual Integrations APPROVED
mohammad
7/5/2017 11:42:16 AM

Quant Time: Jul 04 05:37:46 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 03 01:43:12 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	110348	20.00	ng		0.00
21) Naphthalene-d8	8.01	136	365345	20.00	ng		-0.01
38) Acenaphthene-d10	9.76	164	148790	20.00	ng		-0.01
63) Phenanthrene-d10	11.24	188	244276	20.00	ng		-0.01
75) Chrysene-d12	13.87	240	182198	20.00	ng		-0.01
86) Perylene-d12	15.28	264	114188	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.33	112	157107	21.01	ng		-0.02
7) Phenol-d6	6.36	99	186965	20.34	ng		-0.02
23) Nitrobenzene-d5	7.28	82	82424	13.56	ng		-0.02
41) 2,4,6-Tribromophenol	10.55	330	22231	19.13	ng		-0.01
44) 2-Fluorobiphenyl	9.08	172	172009	19.77	ng		-0.02
78) Terphenyl-d14	12.82	244	117985	13.84	ng		-0.01
Target Compounds							Qvalue
74) Fluoranthene	12.45	202	69409	5.361	ng		97
77) Pyrene	12.67	202	63934	4.372	ng		97
80) Benzo(a)anthracene	13.86	228	35245	3.340	ng		99
82) Chrysene	13.89	228	30232	2.736	ng		97
87) Benzo(b)fluoranthene	14.88	252	31112m	4.348	ng		
89) Benzo(a)pyrene	15.22	252	23686	3.708	ng	#	96
91) Benzo(g,h,i)perylene	17.05	276	13577	2.607	ng	#	90

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

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Instrument :
BNA_F
ClientSampleId :
E2-P4-NSW

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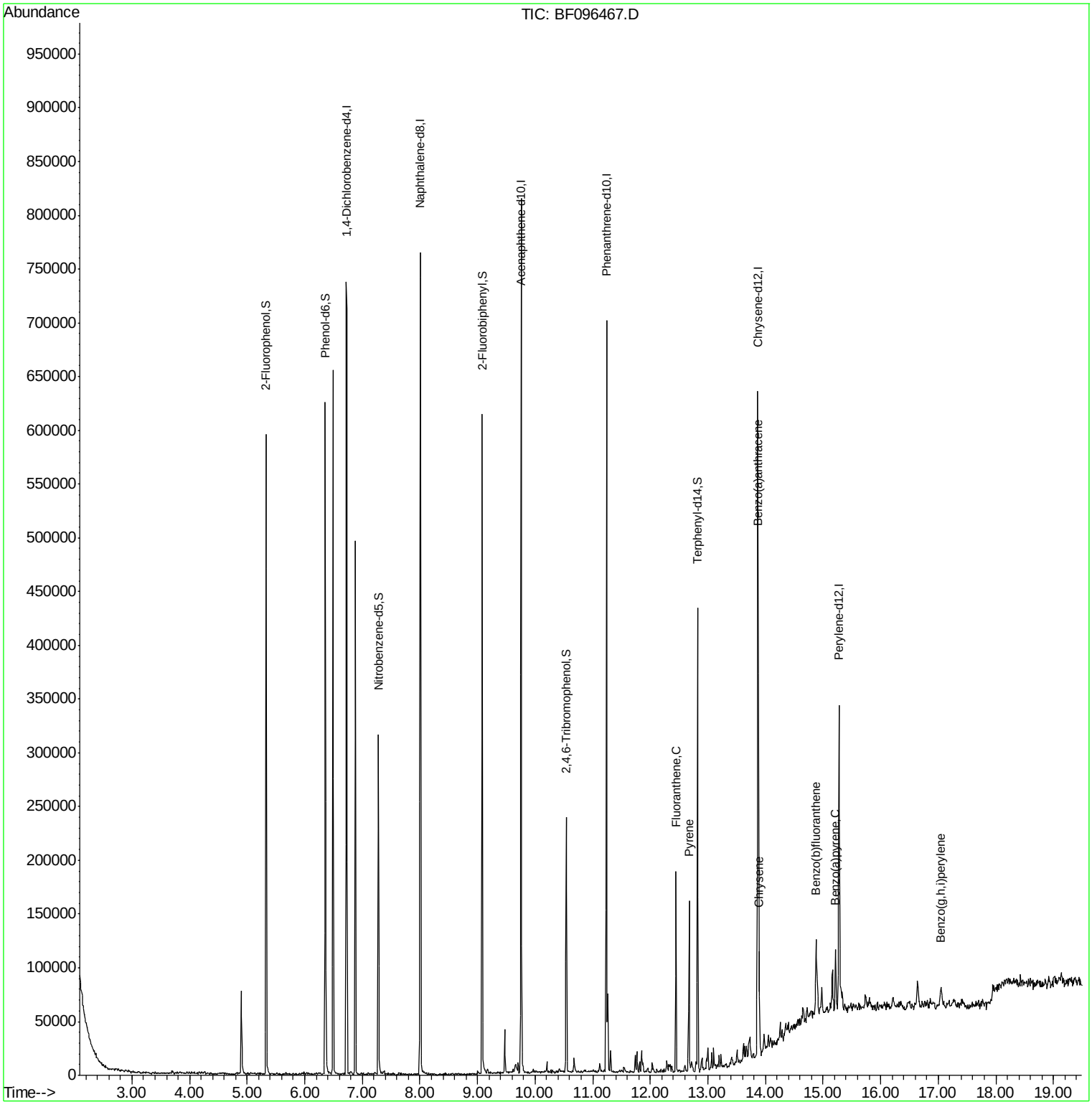
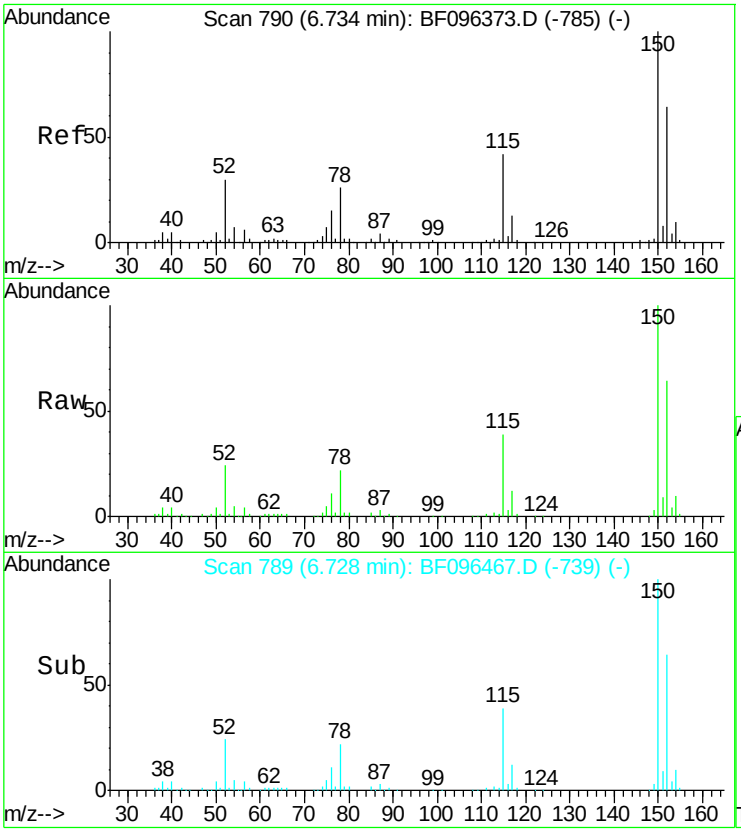
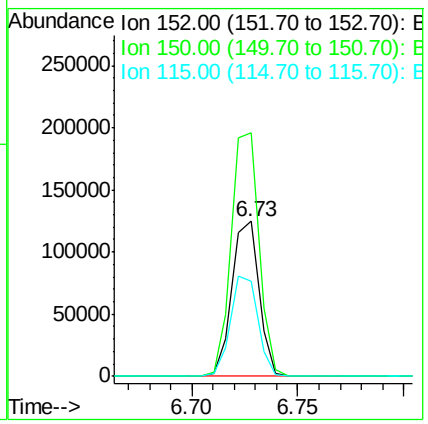




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

Tgt Ion:152 Resp: 110348

Ion	Ratio	Lower	Upper
152	100		
150	157.4	126.2	189.2
115	61.3	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
E2-P4-NSW

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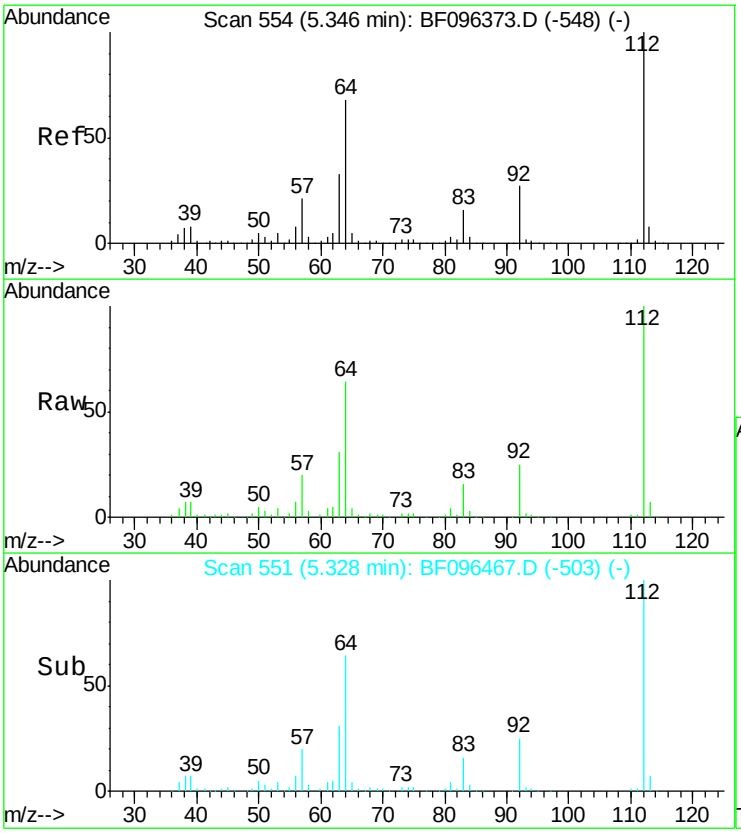
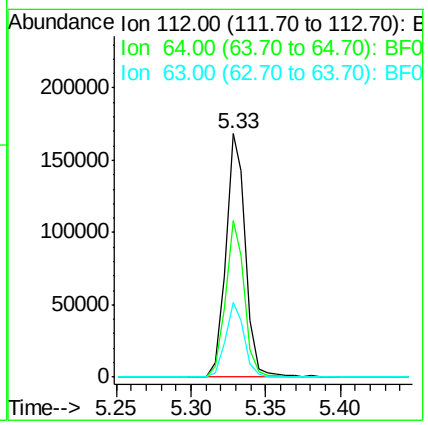
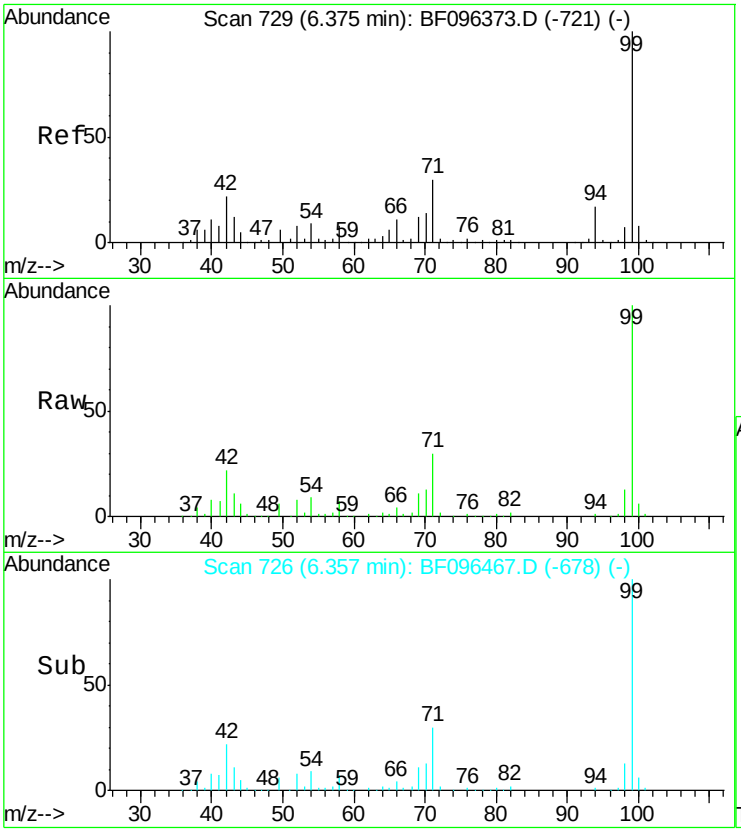


#5
2-Fluorophenol
Concen: 21.014 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

Tgt Ion:112 Resp: 157107

Ion	Ratio	Lower	Upper
112	100		
64	64.3	46.0	69.0
63	30.8	23.4	35.0

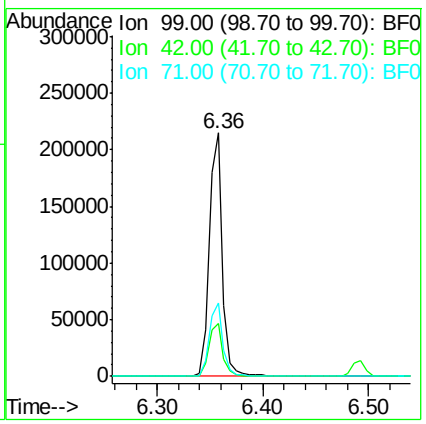




#7
Phenol-d6
Concen: 20.342 ng
RT: 6.36 min Scan# 726
Delta R.T. -0.02 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

Tgt Ion: 99 Resp: 186965

Ion	Ratio	Lower	Upper
99	100		
42	21.7	13.5	20.3#
71	29.9	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
E2-P4-NSW

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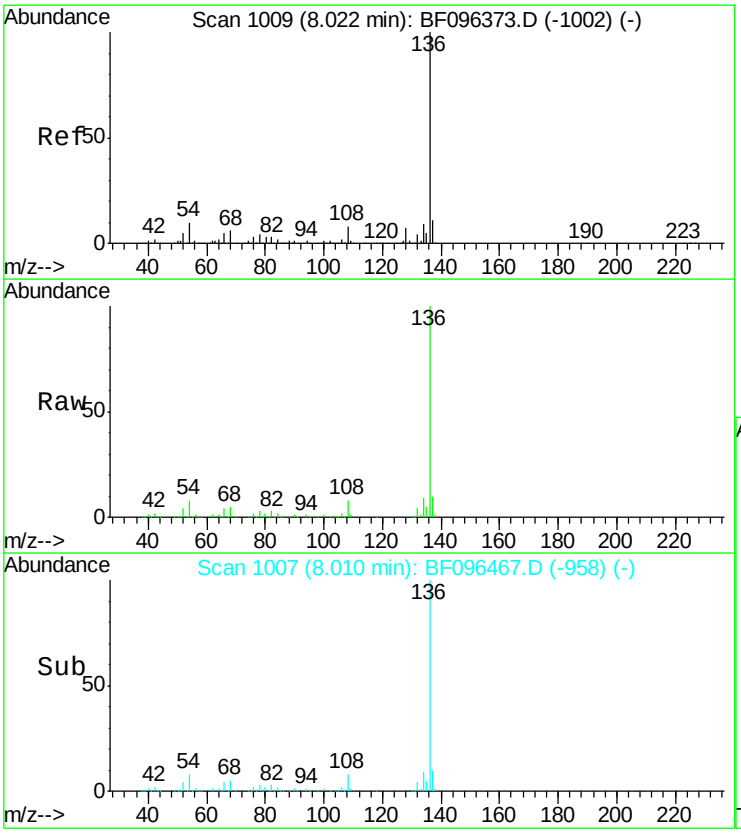
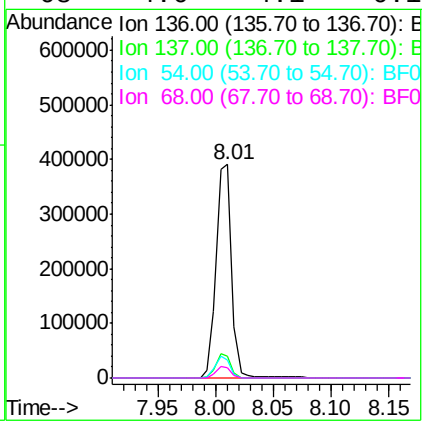
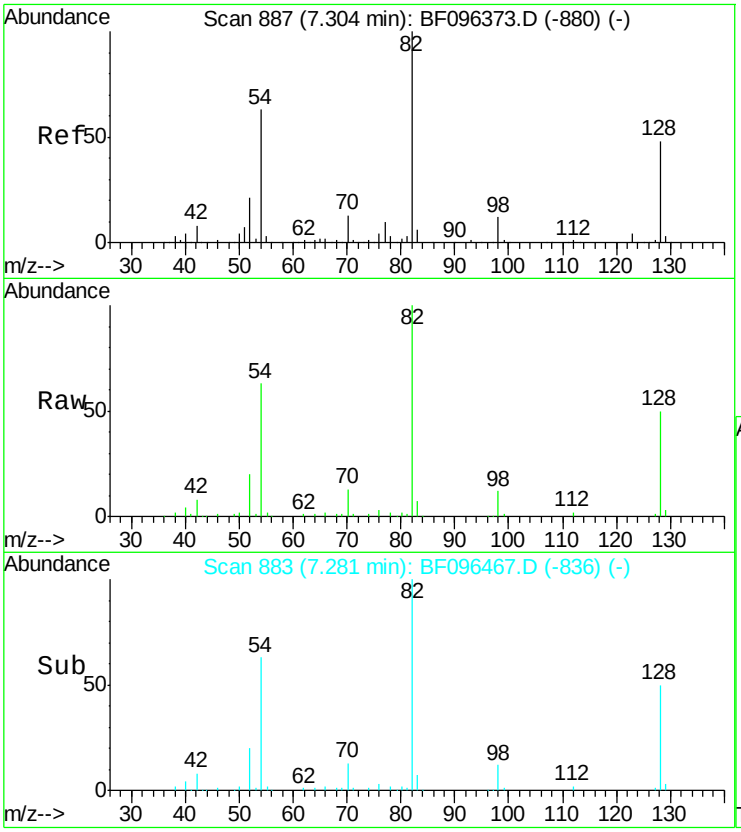


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

Tgt Ion:136 Resp: 365345

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	8.4	4.9	7.3#
68	4.6	4.1	6.1

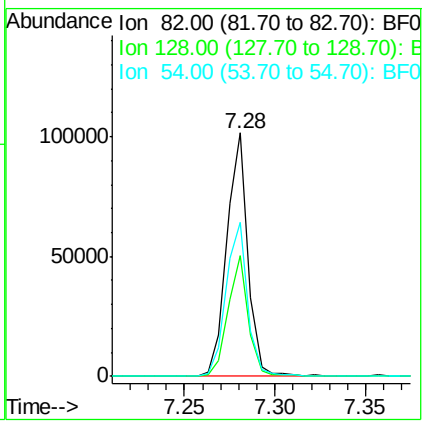




#23
Nitrobenzene-d5
Concen: 13.557 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

Tgt Ion: 82 Resp: 82424

Ion	Ratio	Lower	Upper
82	100		
128	49.6	34.0	51.0
54	63.3	42.2	63.2#



Instrument :
BNA_F
ClientSampleId :
E2-P4-NSW

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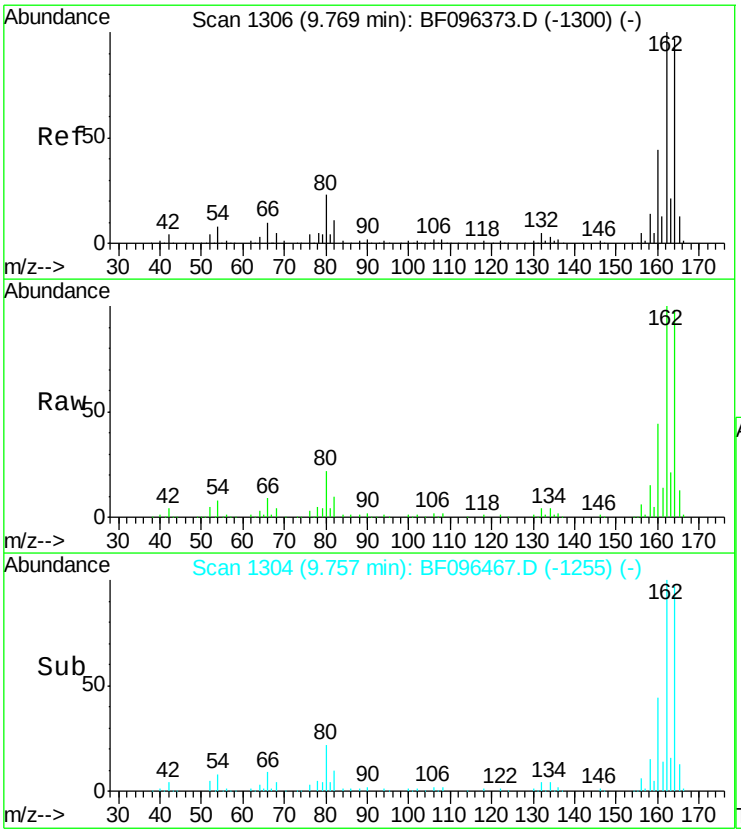
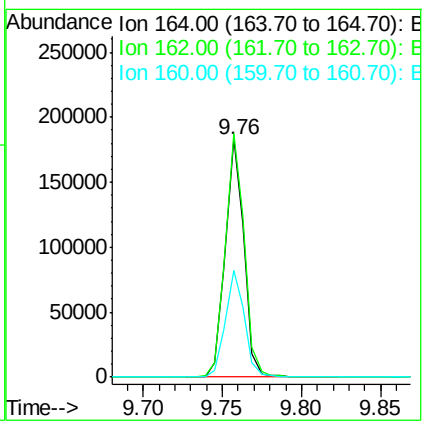
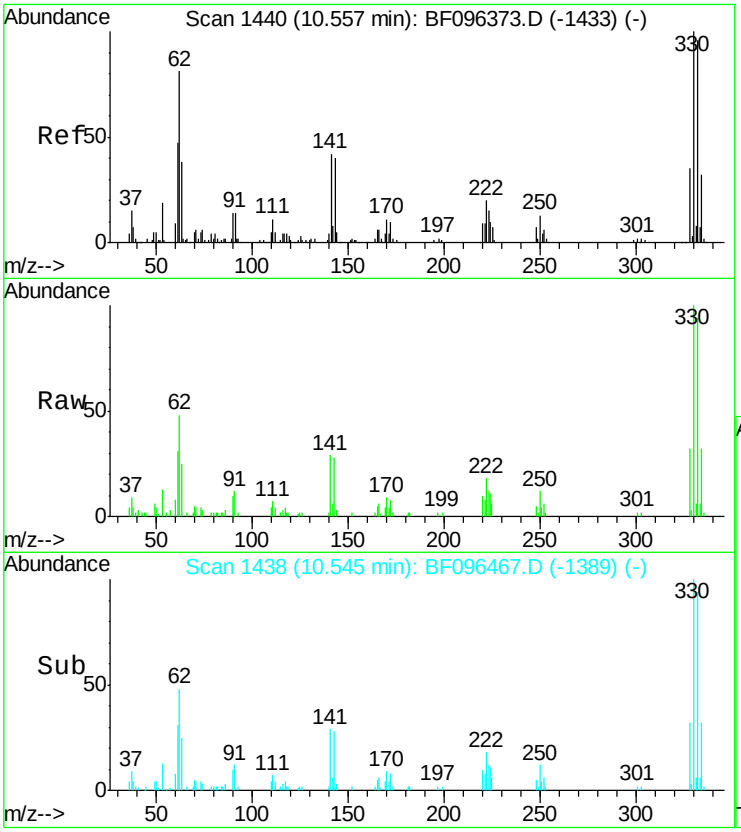


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

Tgt Ion:164 Resp: 148790

Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.6	123.8
160	45.1	36.2	54.2

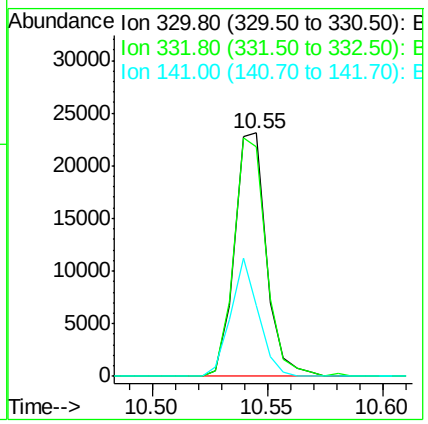




#41
2,4,6-Tribromophenol
Concen: 19.128 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

Tgt Ion:330 Resp: 22231

Ion	Ratio	Lower	Upper
330	100		
332	99.4	76.6	115.0
141	42.1	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
E2-P4-NSW

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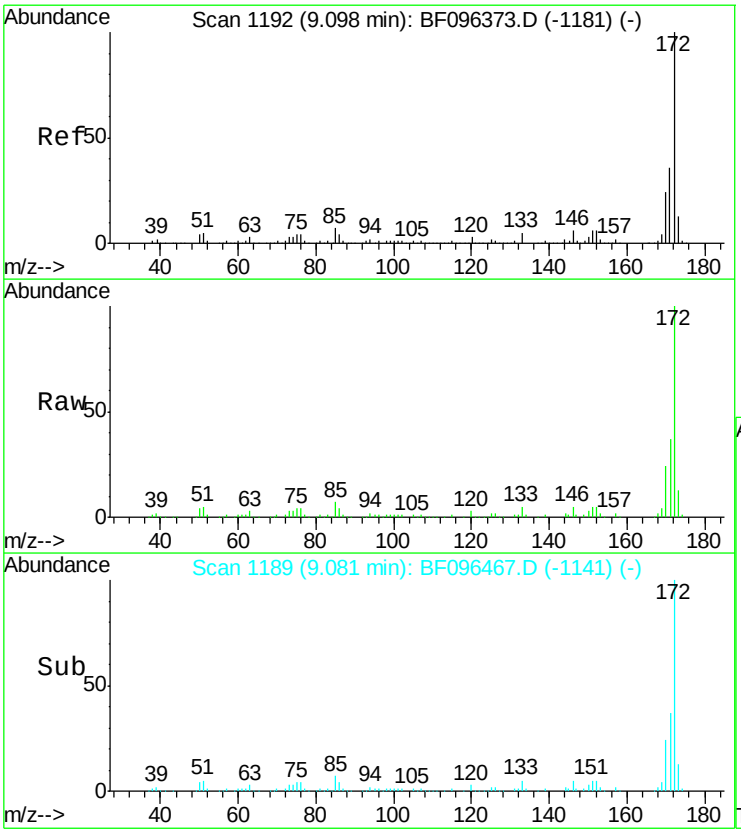
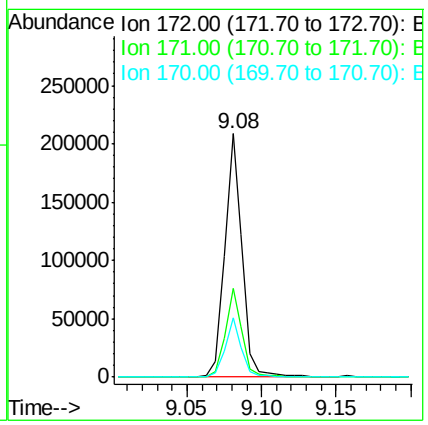
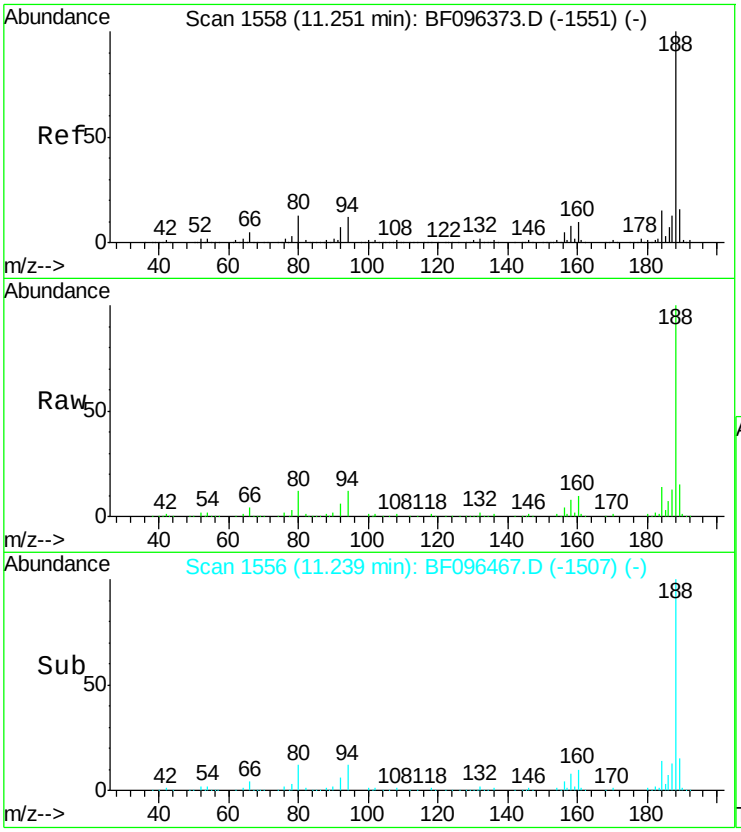


#44
2-Fluorobiphenyl
Concen: 19.766 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.02 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

Tgt Ion:172 Resp: 172009

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	24.3	19.8	29.8





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

Tgt Ion:188 Resp: 244276

Ion	Ratio	Lower	Upper
188	100		
94	11.6	9.4	14.2
80	12.0	10.2	15.2

Instrument :
BNA_F
ClientSampleId :
E2-P4-NSW

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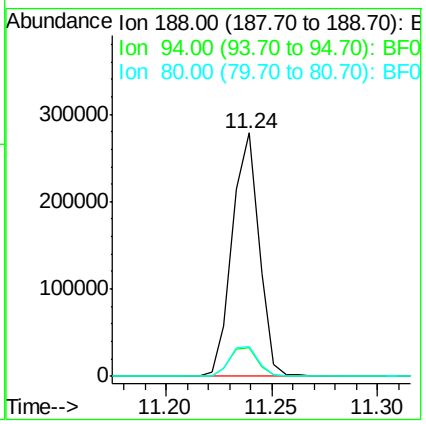
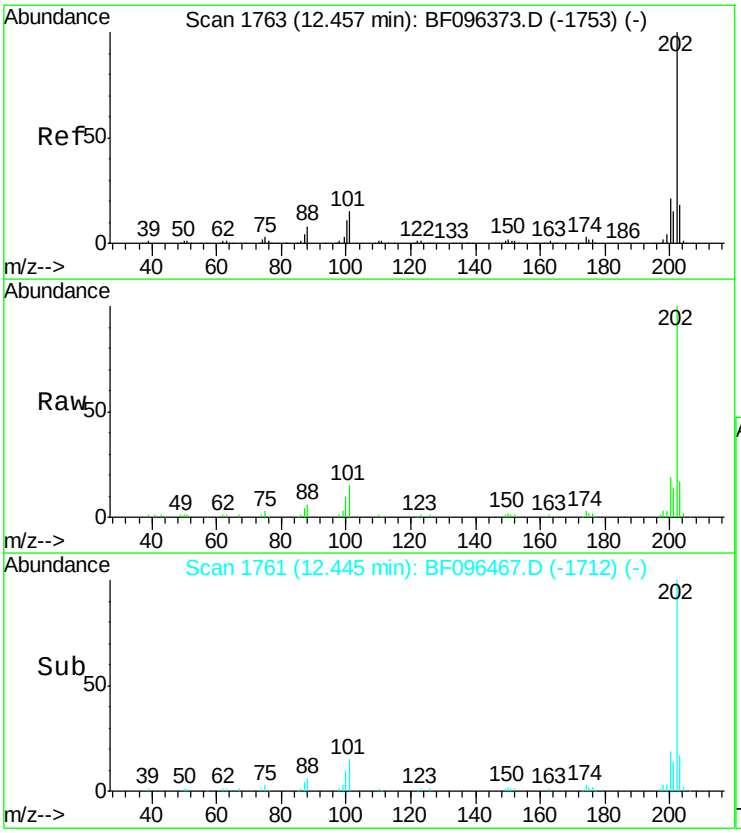
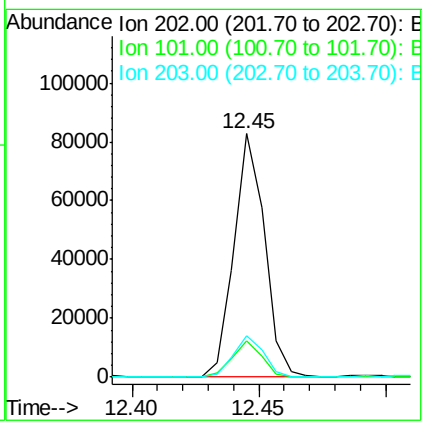


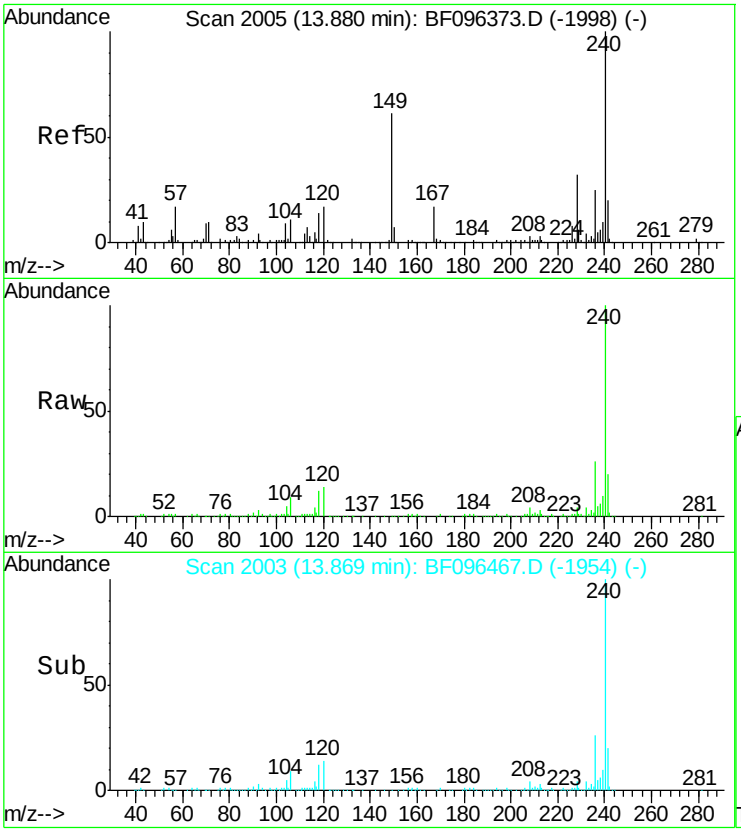


#74
Fluoranthene
Concen: 5.361 ng
RT: 12.45 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

Tgt Ion:202 Resp: 69409

Ion	Ratio	Lower	Upper
202	100		
101	15.0	0.0	33.2
203	17.0	0.0	38.1





#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

Tgt Ion:240 Resp: 182198

Ion	Ratio	Lower	Upper
240	100		
120	14.1	5.8	8.8#
236	25.7	20.5	30.7

Instrument :
BNA_F
ClientSampleId :
E2-P4-NSW

Manual Integrations APPROVED
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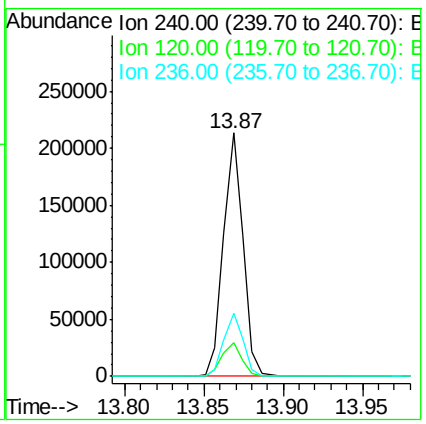
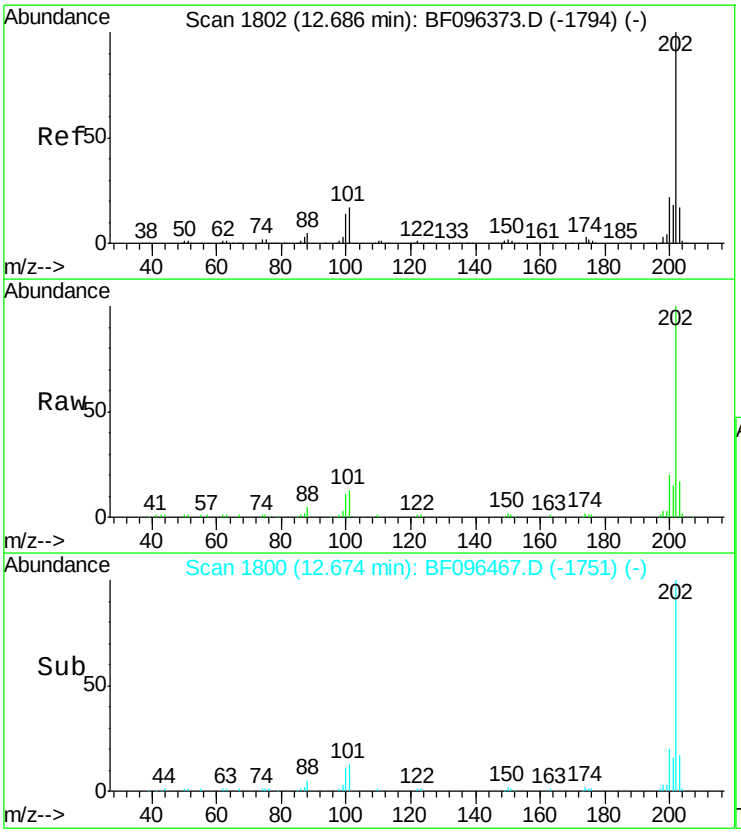
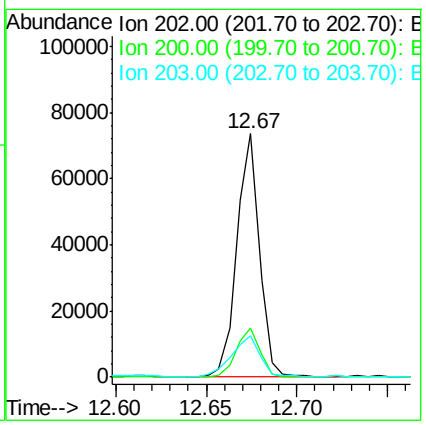


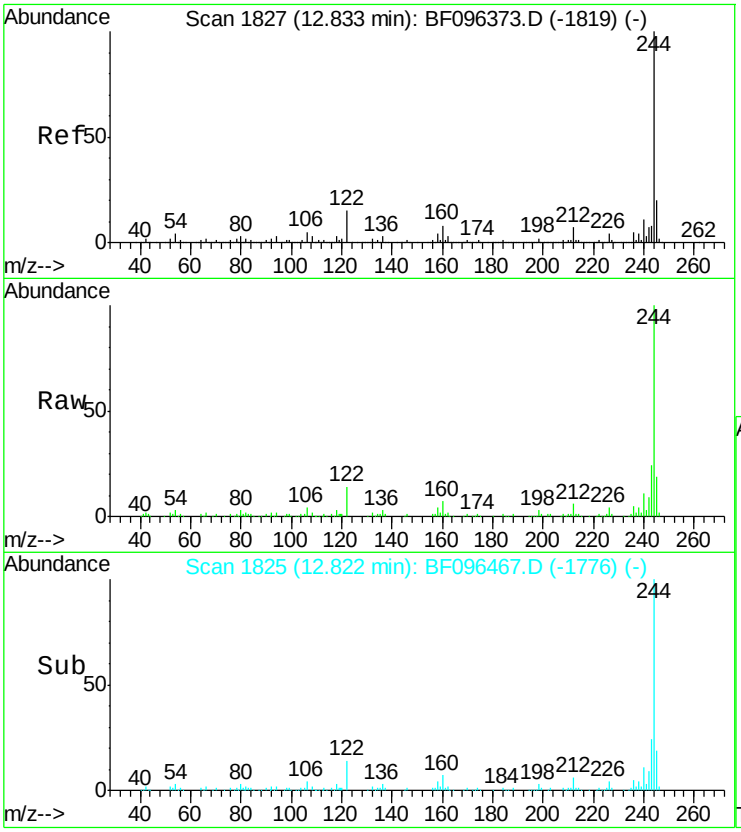


#77
Pyrene
Concen: 4.372 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

Tgt Ion:202 Resp: 63934

Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.6	26.4
203	17.0	14.4	21.6

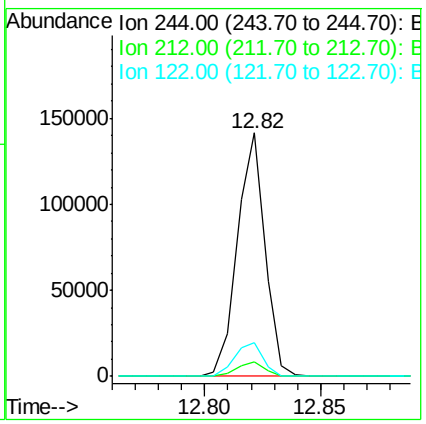




#78
Terphenyl-d14
Concen: 13.837 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

Tgt Ion:244 Resp: 117985

Ion	Ratio	Lower	Upper
244	100		
212	6.0	6.0	9.0#
122	13.7	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
E2-P4-NSW

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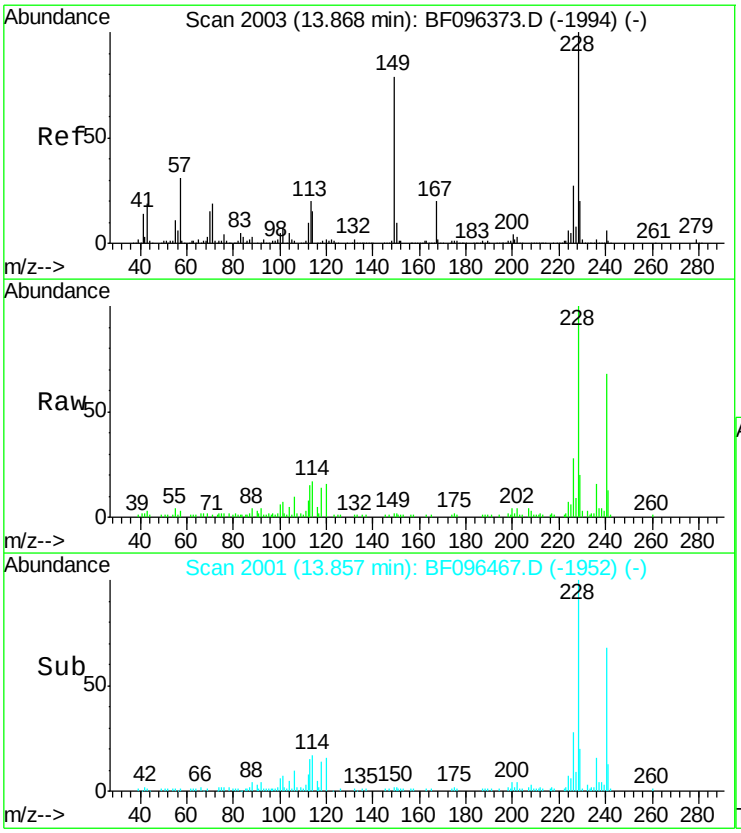
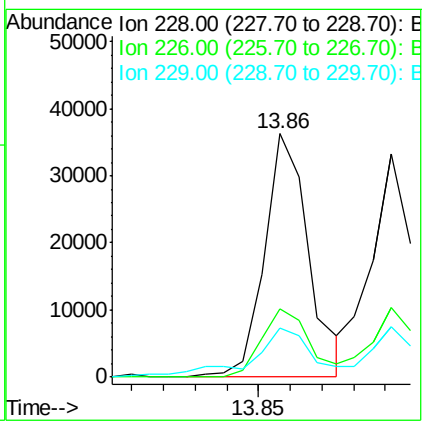
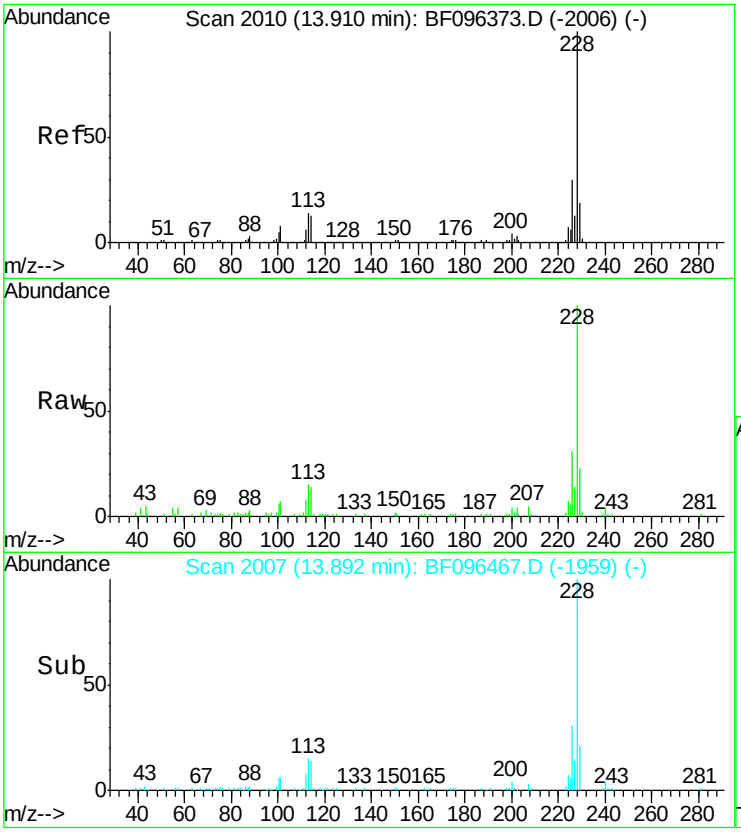


#80
Benzo(a)anthracene
Concen: 3.340 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

Tgt Ion:228 Resp: 35245

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	19.9	16.3	24.5

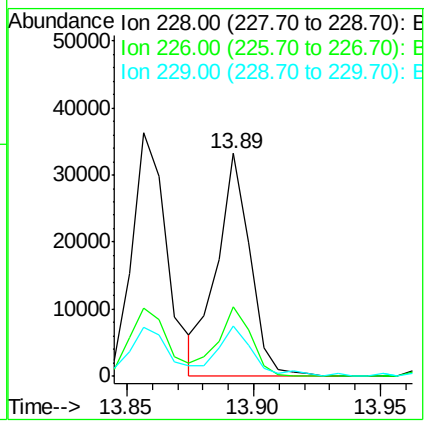




#82
Chrysene
Concen: 2.736 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.02 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

Tgt Ion:228 Resp: 30232

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	22.5	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
E2-P4-NSW

Manual Integrations APPROVED
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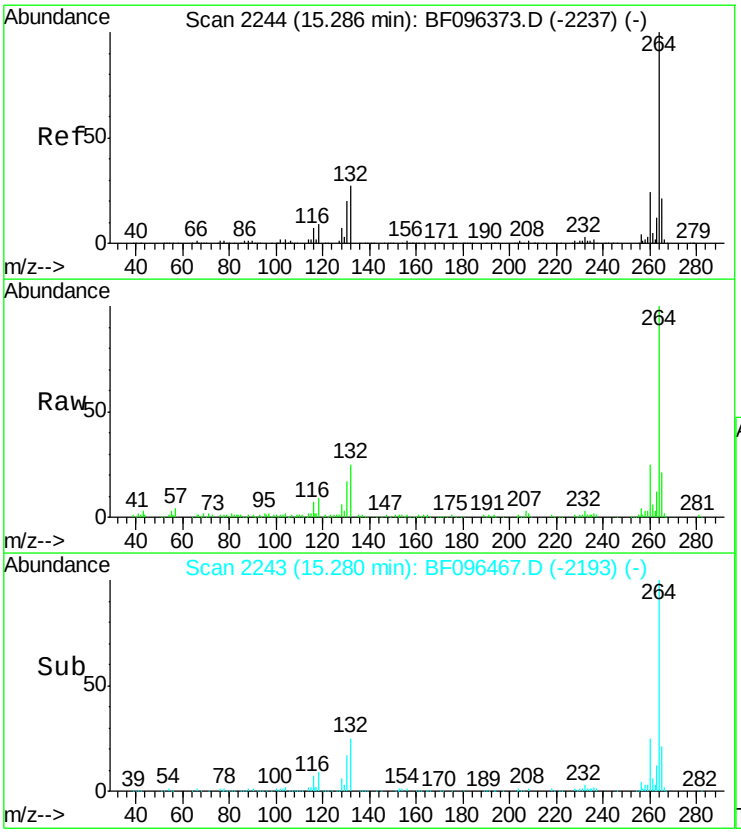
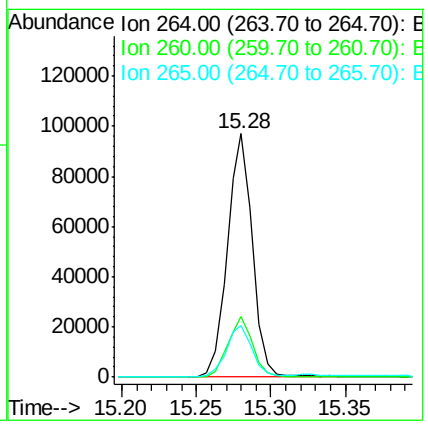
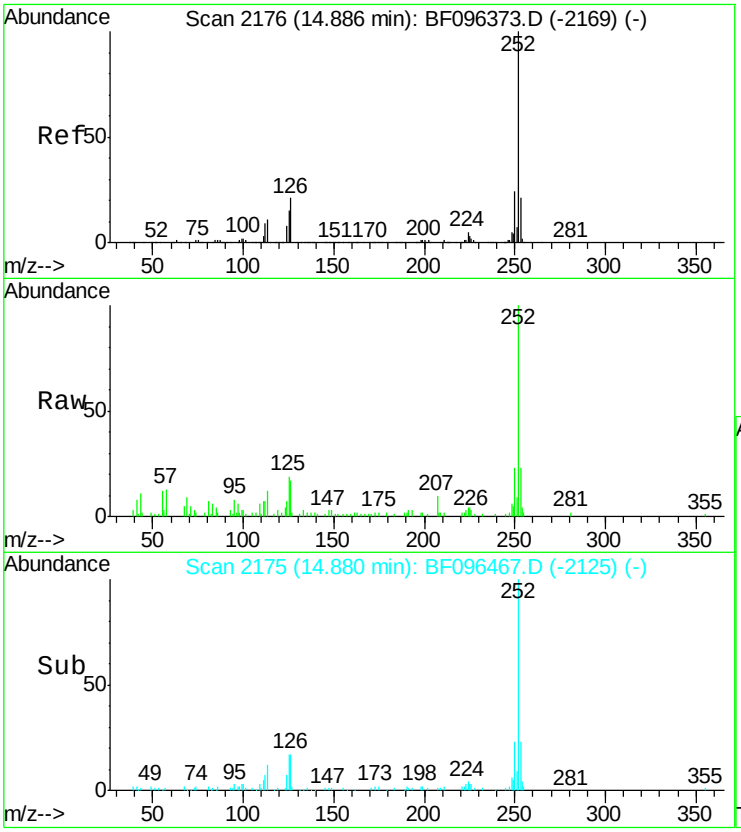


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

Tgt Ion:264 Resp: 114188

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.5	29.3
265	21.1	17.2	25.8





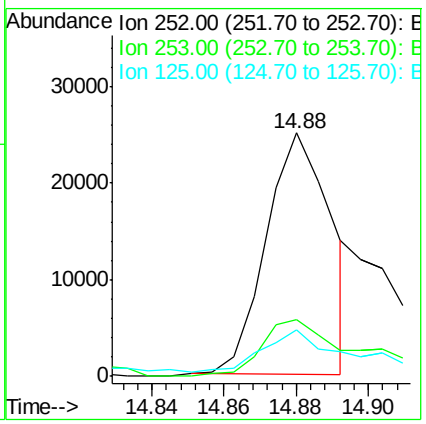
#87
Benzo(b)fluoranthene
Concen: 4.348 ng m
RT: 14.88 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

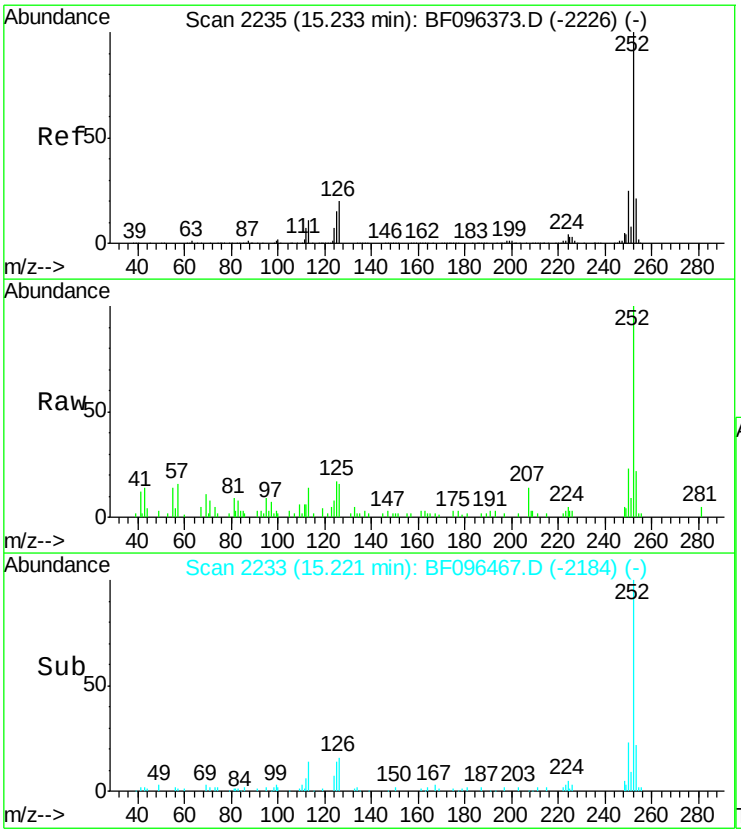
Tgt Ion:252 Resp: 31112

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	18.9	9.8	14.8#

Instrument :
BNA_F
ClientSampleId :
E2-P4-NSW

Manual Integrations APPROVED
mohammad
7/5/2017 11:42:16 AM

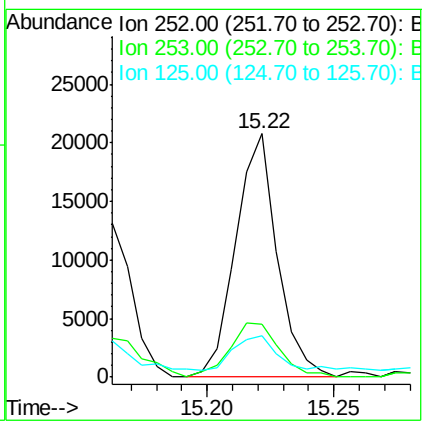


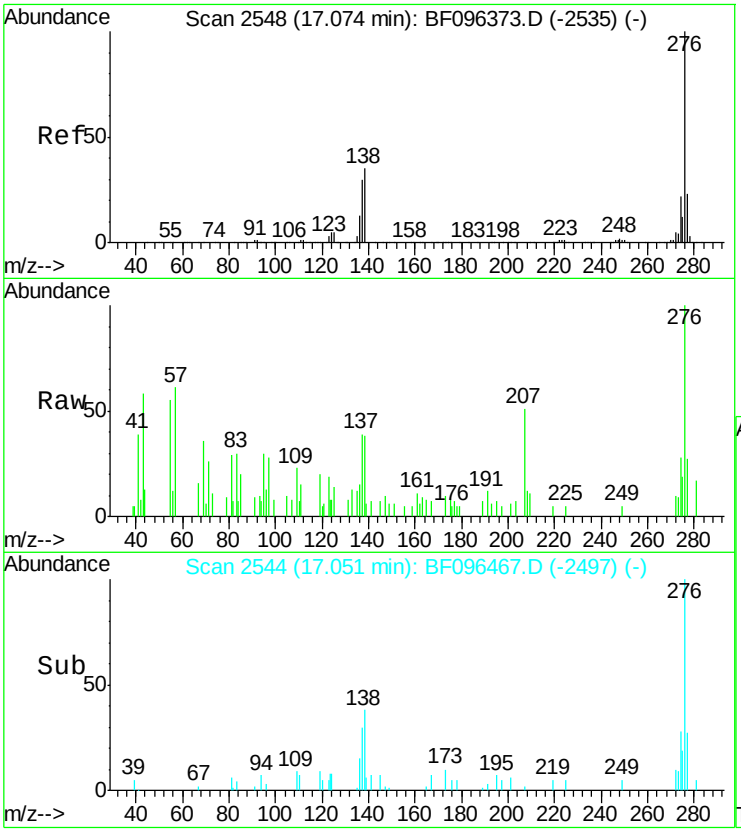


#89
Benzo(a)pyrene
Concen: 3.708 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

Tgt Ion:252 Resp: 23686

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	17.2	11.0	16.4#

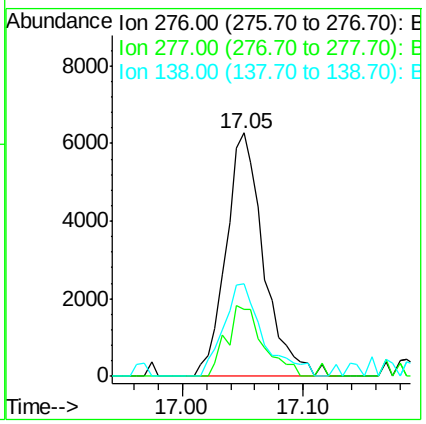




#91
Benzo(g,h,i)perylene
Concen: 2.607 ng
RT: 17.05 min Scan# 2544
Delta R.T. -0.02 min
Lab File: BF096467.D
Acq: 4 Jul 2017 4:36

Tgt Ion:276 Resp: 13577

Ion	Ratio	Lower	Upper
276	100		
277	27.3	18.6	28.0
138	38.1	25.4	38.0#



Instrument :
BNA_F
ClientSampleId :
E2-P4-NSW

Manual Integrations APPROVED
mohammad
7/5/2017 11:42:16 AM