

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070116\
 Data File : BF088580.D
 Acq On : 1 Jul 2016 17:47
 Operator : UM/SJ
 Sample : H3768-03RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1GWRE

Manual Integrations
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Quant Time: Jul 01 19:43:07 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	104788	20.00	ng	0.02
21) Naphthalene-d8	8.12	136	209532	20.00	ng	0.02
38) Acenaphthene-d10	9.88	164	132706	20.00	ng	0.03
63) Phenanthrene-d10	11.34	188	306414	20.00	ng	0.01
75) Chrysene-d12	13.95	240	287344	20.00	ng	0.00
86) Perylene-d12	15.35	264	248267	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	626513	89.61	ng	0.00
7) Phenol-d6	6.44	99	534215	59.13	ng	0.00
23) Nitrobenzene-d5	7.39	82	477215	119.35	ng	0.01
41) 2,4,6-Tribromophenol	10.66	330	233312	189.33	ng	0.02
44) 2-Fluorobiphenyl	9.21	172	729322	86.81	ng	0.03
78) Terphenyl-d14	12.91	244	923085	71.55	ng	0.00
Target Compounds						
70) Phenanthrene	11.36	178	159805	9.54	ng	Qvalue # 94
74) Fluoranthene	12.54	202	79186	4.66	ng	96
77) Pyrene	12.75	202	77391	3.18	ng	96
80) Benzo(a)anthracene	13.94	228	39674m	2.14	ng	

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

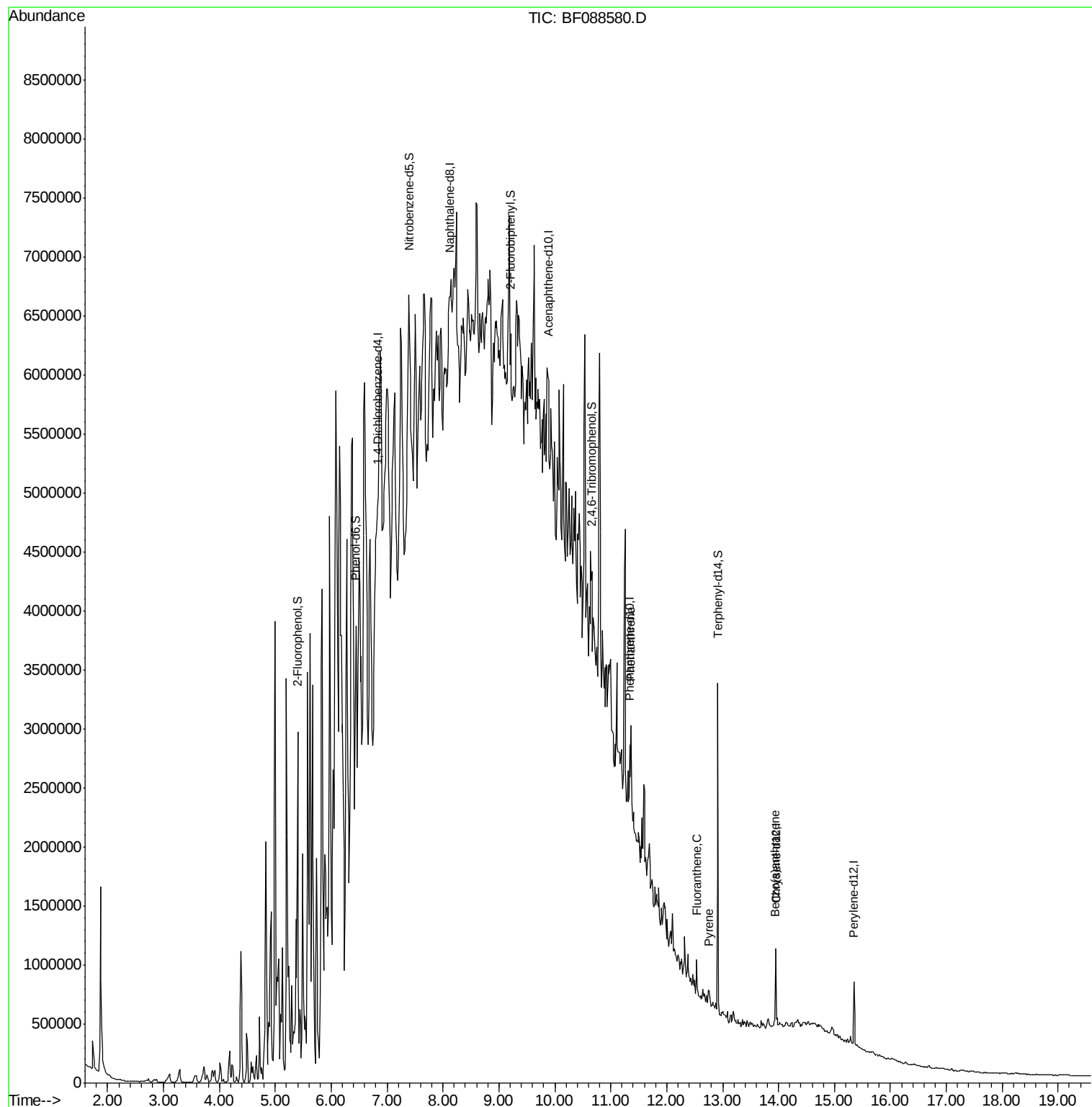
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070116\
Data File : BF088580.D
Acq On : 1 Jul 2016 17:47
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Sample : H3768-03RE
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ALS Vial : 17 Sample Multiplier: 1

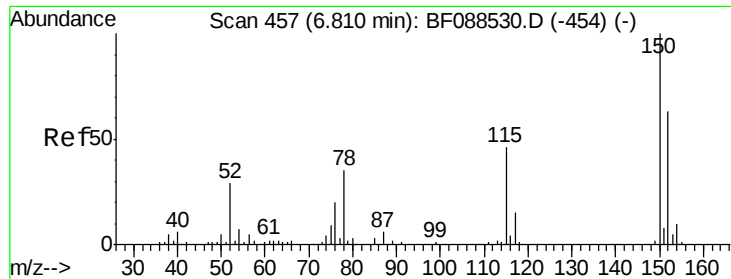
Instrument :
BNA_F
ClientSampled :
B1GWRE

Quant Time: Jul 01 19:43:07 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
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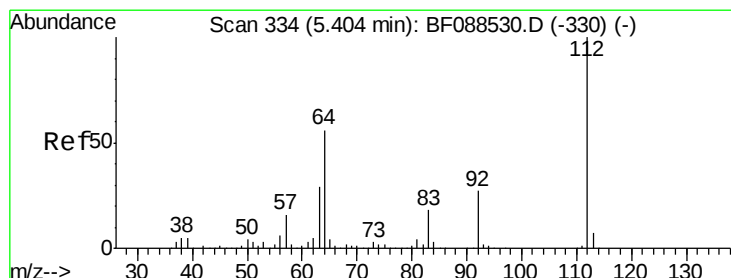
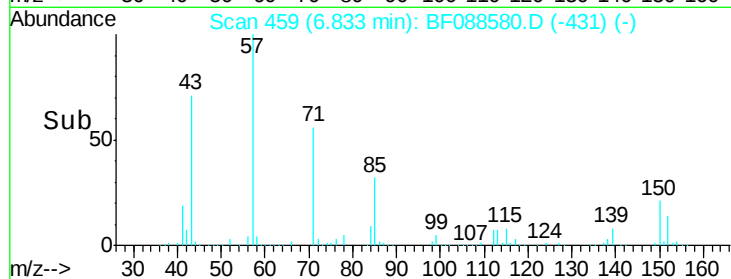
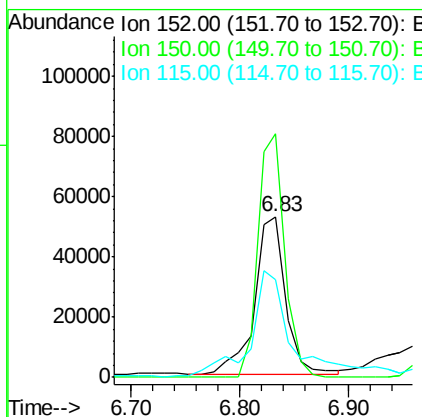
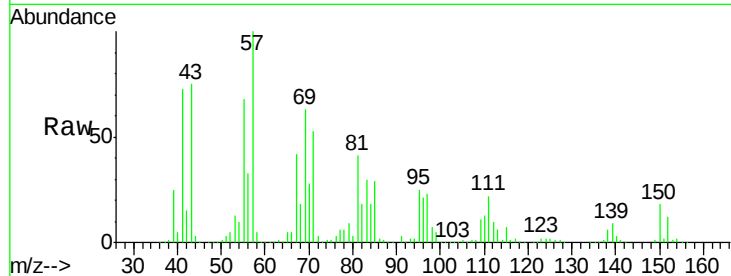
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.83 min Scan# 459
 Delta R.T. 0.02 min
 Lab File: BF088580.D
 Acq: 1 Jul 2016 17:47

Instrument :
 BNA_F
 ClientSampled :
 B1GWRE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.8	123.8	185.6
115	61.1	39.6	59.4

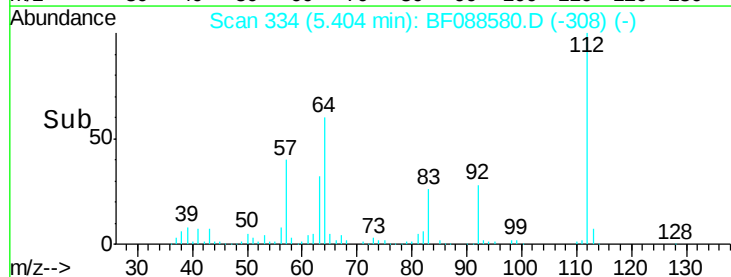
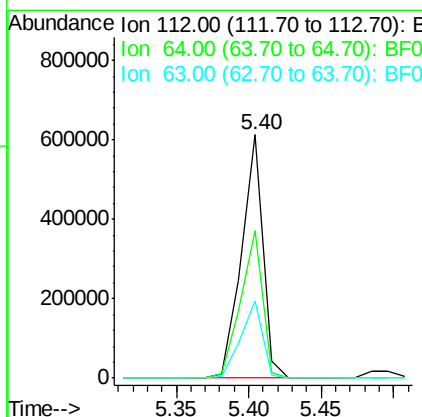
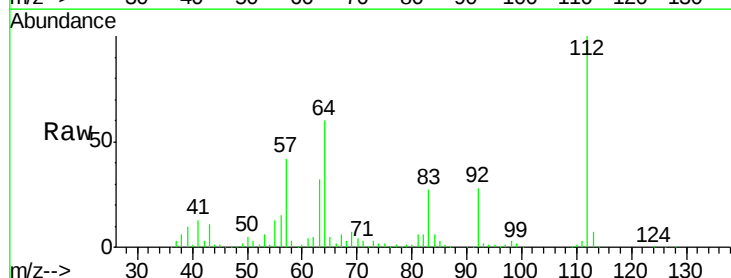
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#5
 2-Fluorophenol
 Concen: 89.61 ng
 RT: 5.40 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: BF088580.D
 Acq: 1 Jul 2016 17:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	42.2	63.2
63	31.9	21.8	32.8





#7

Phenol-d6

Concen: 59.13 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.00 min

Lab File: BF088580.D

Acq: 1 Jul 2016 17:47

Instrument :

BNA_F

ClientSampled :

B1GWRE

Tgt Ion: 99 Resp: 534215

Ion Ratio Lower Upper

99 100

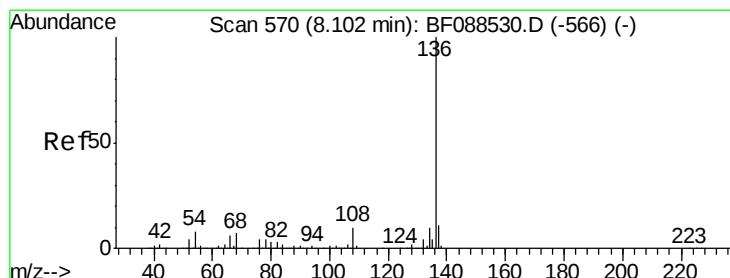
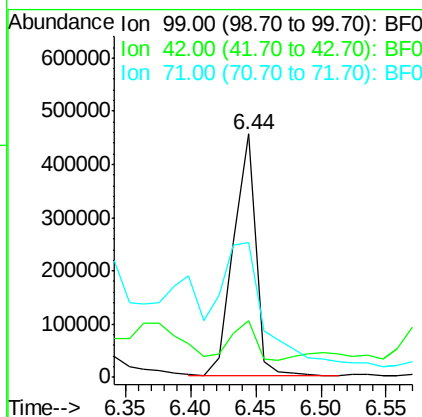
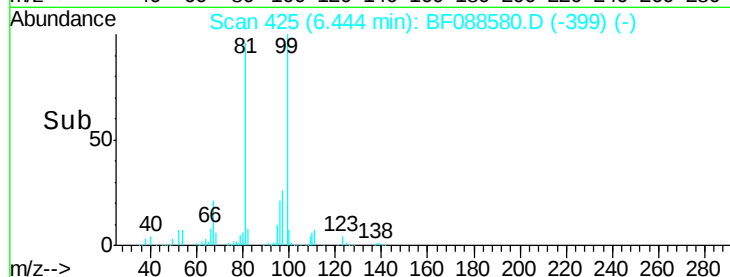
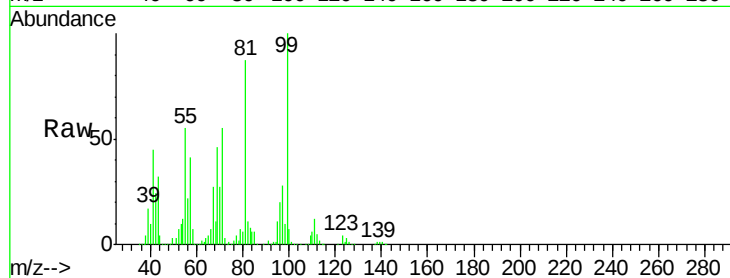
42 23.5 12.2 18.2#

71 55.1 23.4 35.0#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 572

Delta R.T. 0.02 min

Lab File: BF088580.D

Acq: 1 Jul 2016 17:47

Tgt Ion: 136 Resp: 209532

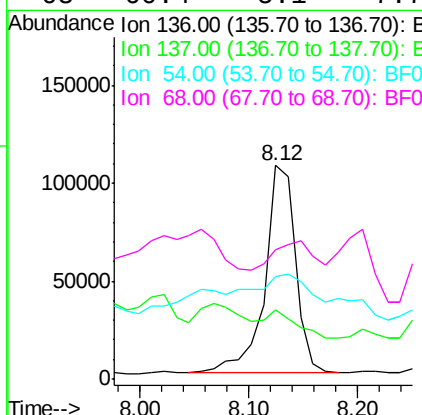
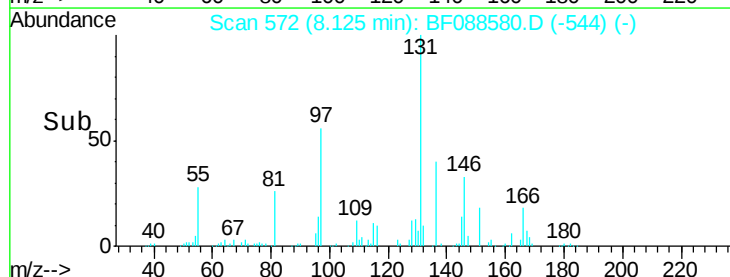
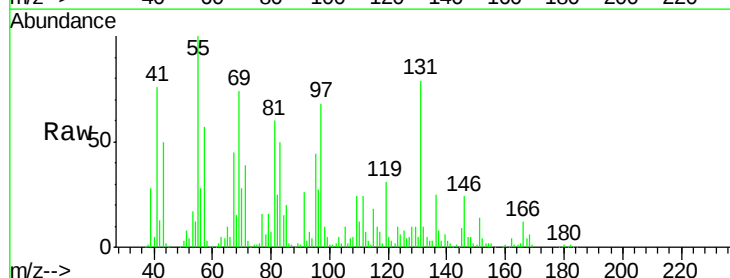
Ion Ratio Lower Upper

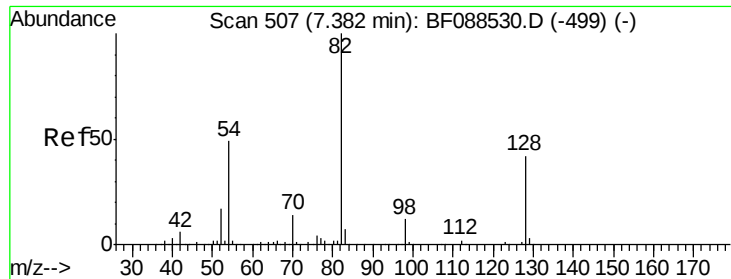
136 100

137 32.5 9.1 13.7#

54 47.9 6.6 10.0#

68 60.4 5.1 7.7#





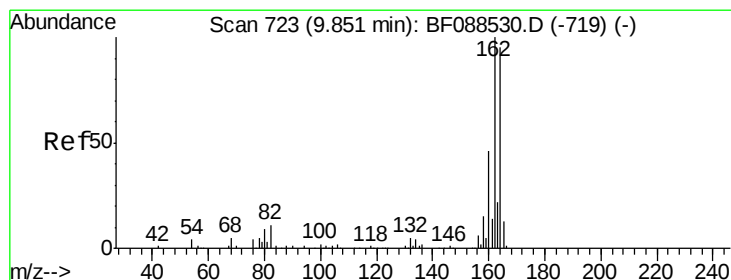
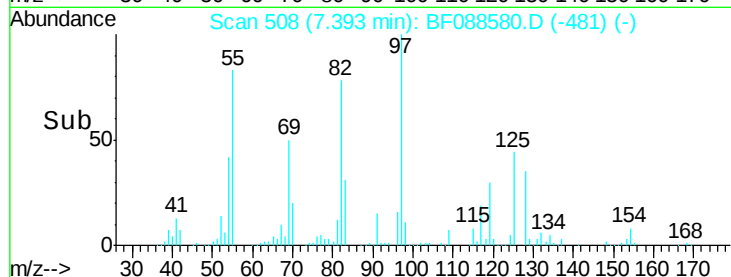
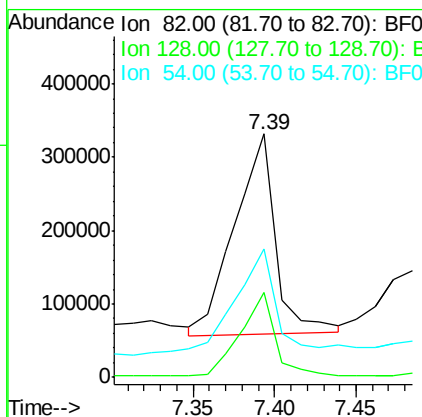
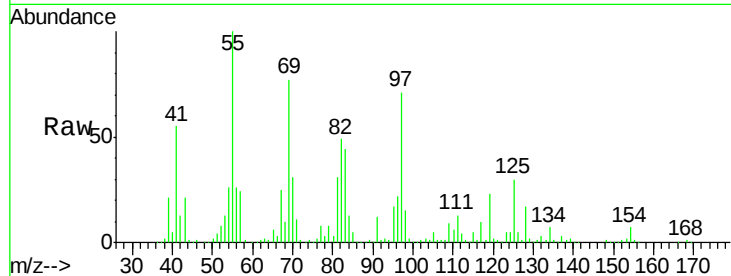
#23
 Nitrobenzene-d5
 Concen: 119.35 ng
 RT: 7.39 min Scan# 508
 Delta R.T. 0.01 min
 Lab File: BF088580.D
 Acq: 1 Jul 2016 17:47

Instrument :
 BNA_F
 ClientSampled :
 B1GWRE

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	477215		
128	34.7	35.9	53.9#	
54	52.7	40.9	61.3	

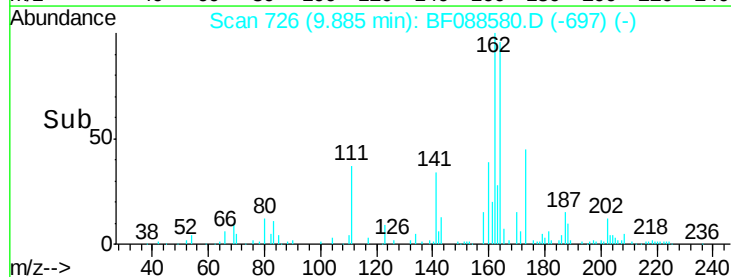
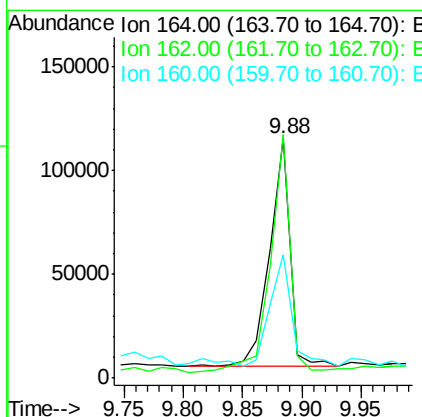
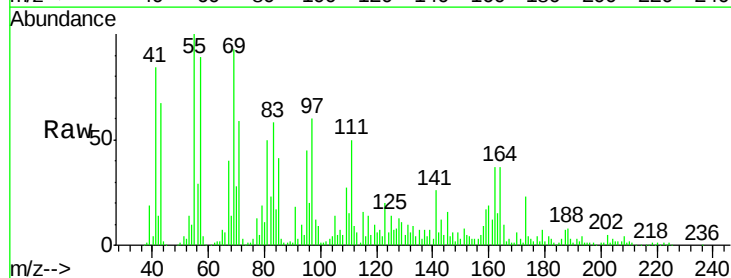
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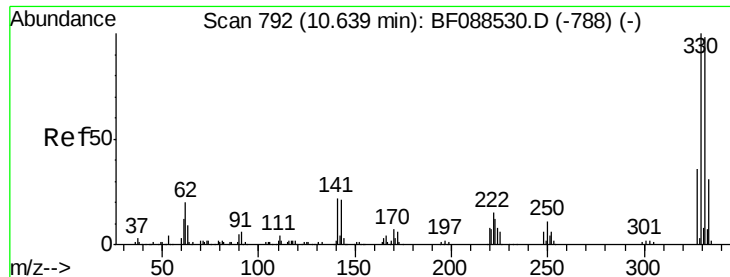
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 726
 Delta R.T. 0.03 min
 Lab File: BF088580.D
 Acq: 1 Jul 2016 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	132706		
162	101.6	85.4	128.2	
160	51.5	39.5	59.3	





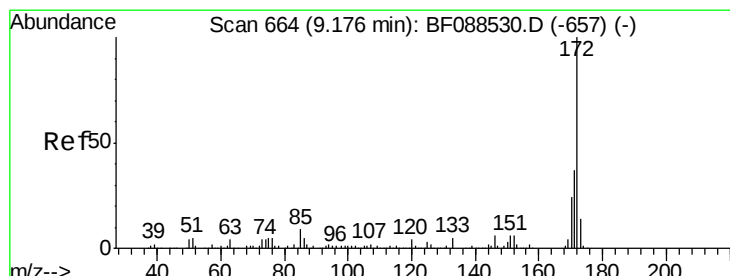
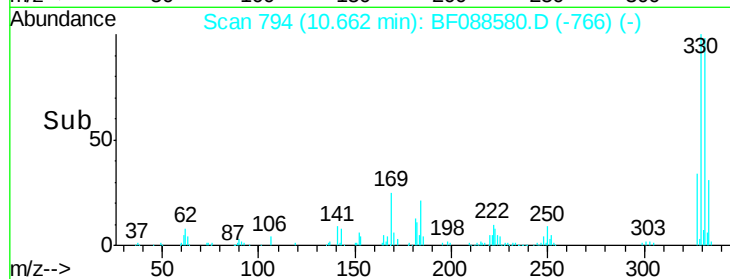
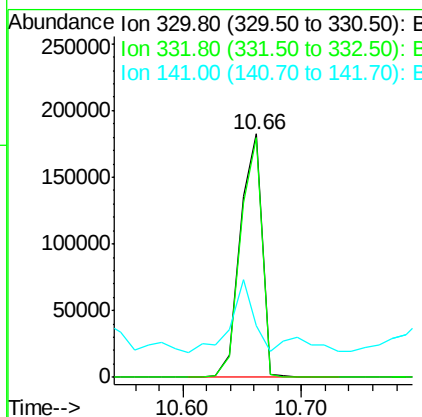
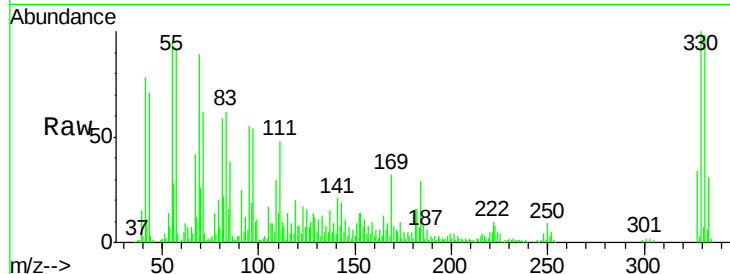
#41
 2,4,6-Tribromophenol
 Concen: 189.33 ng
 RT: 10.66 min Scan# 794
 Delta R.T. 0.02 min
 Lab File: BF088580.D
 Acq: 1 Jul 2016 17:47

Instrument :
 BNA_F
 ClientSampled :
 B1GWRE

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	97.6	0.0	0.0#
141	33.6	0.0	0.0#

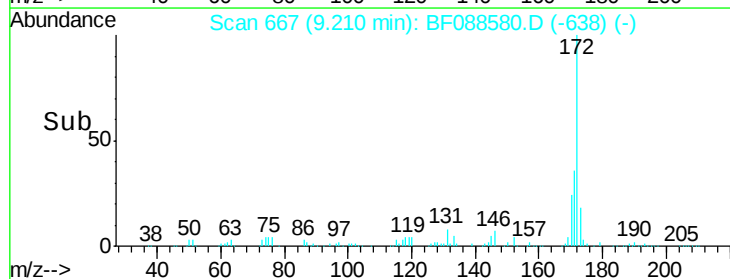
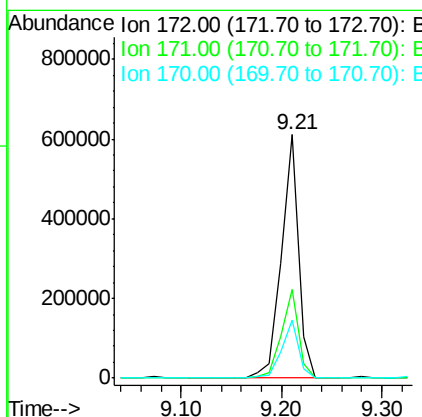
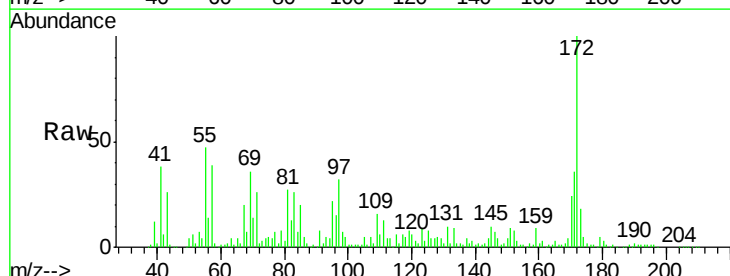
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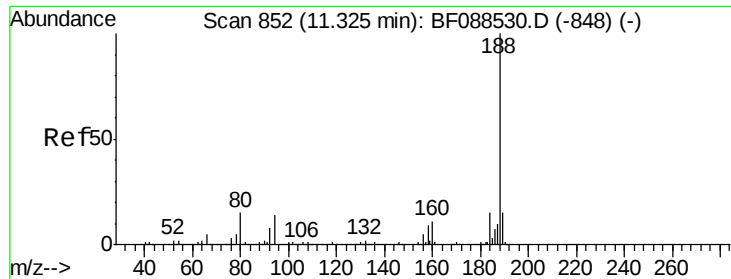
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#44
 2-Fluorobiphenyl
 Concen: 86.81 ng
 RT: 9.21 min Scan# 667
 Delta R.T. 0.03 min
 Lab File: BF088580.D
 Acq: 1 Jul 2016 17:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	36.4	28.6	43.0
170	24.0	19.2	28.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 853

Delta R.T. 0.01 min

Lab File: BF088580.D

Acq: 1 Jul 2016 17:47

Instrument :

BNA_F

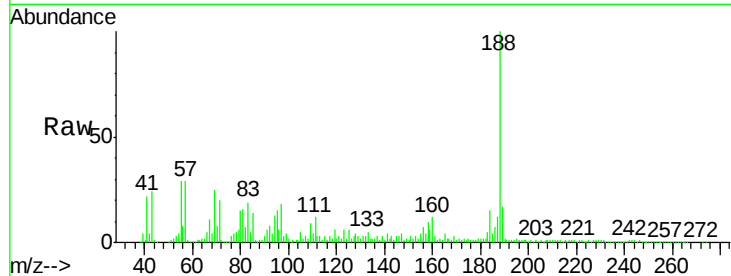
ClientSampleId :

B1GWRE

Tgt Ion:	188	Resp:	306414
Ion Ratio	Lower	Upper	
188	100		
94	13.3	9.0	13.6
80	14.8	10.0	15.0

Manual Integrations
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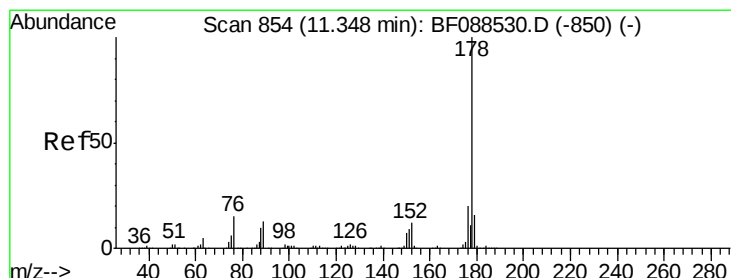
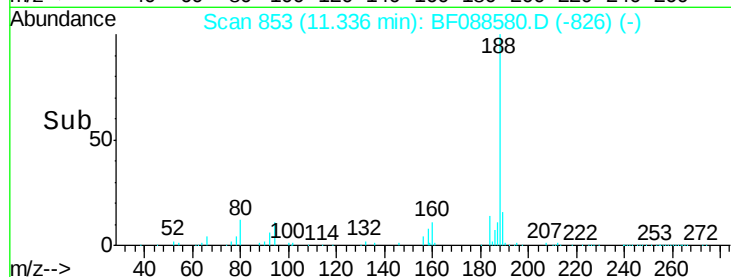
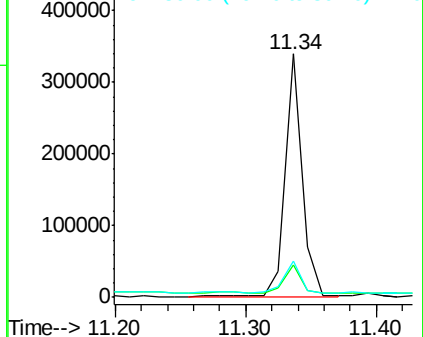
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 9.54 ng

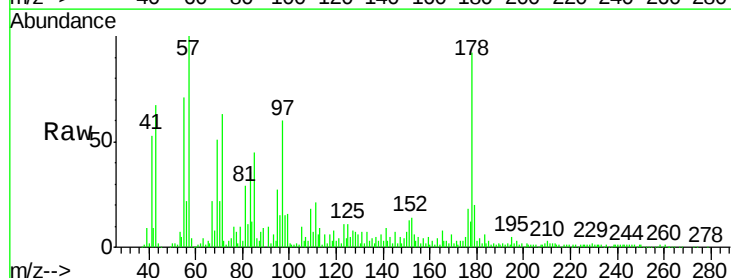
RT: 11.36 min Scan# 855

Delta R.T. 0.01 min

Lab File: BF088580.D

Acq: 1 Jul 2016 17:47

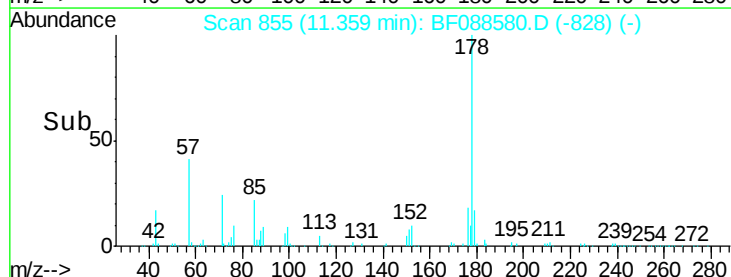
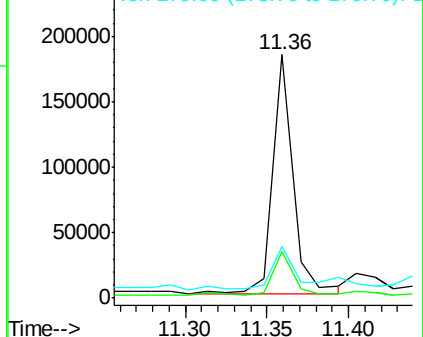
Tgt Ion:	178	Resp:	159805
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.8	23.6
179	21.3	13.0	19.4#

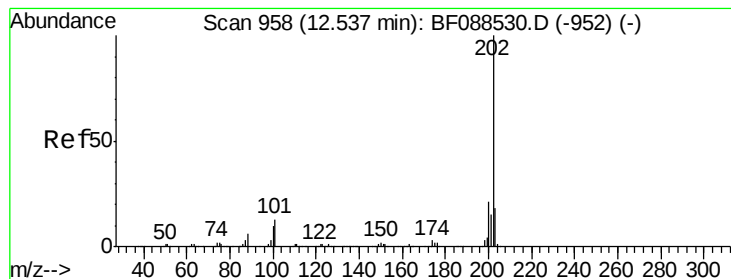


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.66 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.00 min

Lab File: BF088580.D

Acq: 1 Jul 2016 17:47

Instrument :

BNA_F

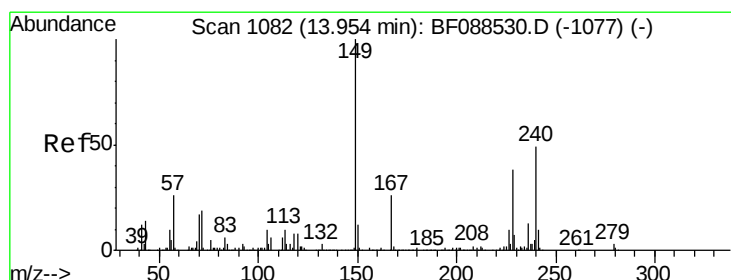
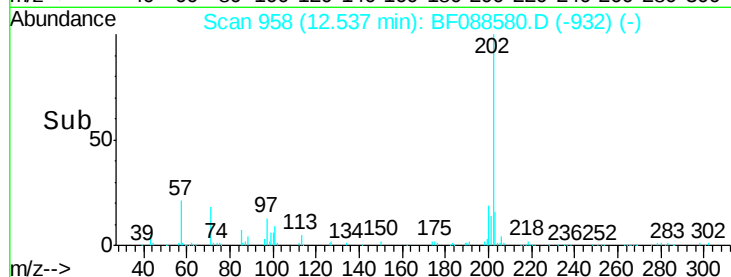
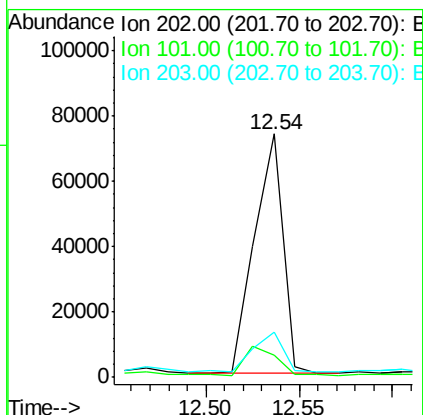
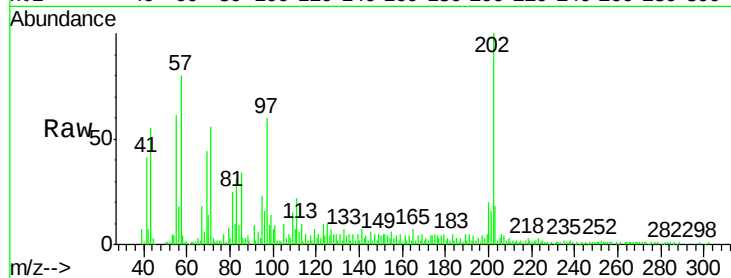
ClientSampled :

B1GWRE

Tgt Ion:	202	Resp:	79186
Ion Ratio	Lower	Upper	
202	100		
101	9.3	0.0	33.1
203	18.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

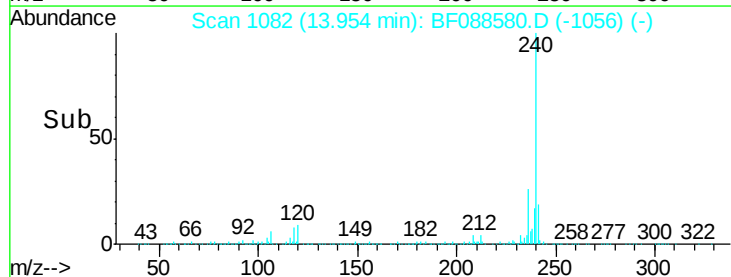
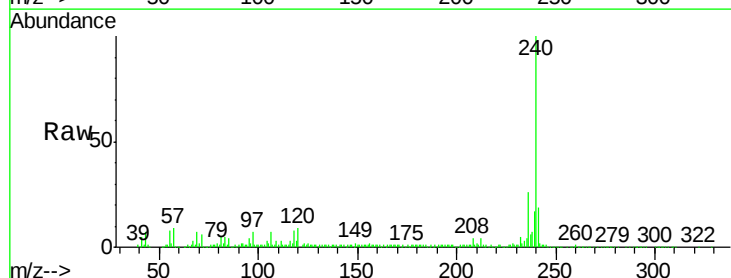
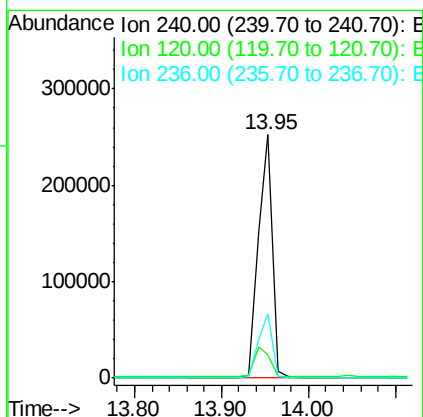
RT: 13.95 min Scan# 1082

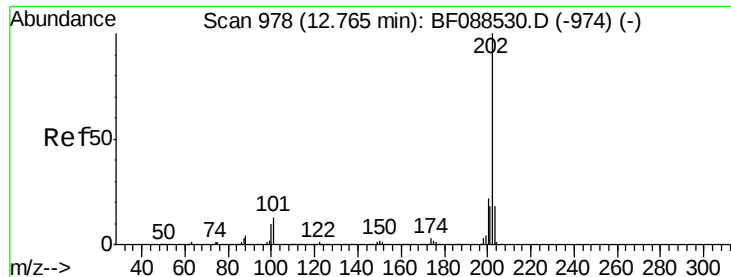
Delta R.T. -0.00 min

Lab File: BF088580.D

Acq: 1 Jul 2016 17:47

Tgt Ion:	240	Resp:	287344
Ion Ratio	Lower	Upper	
240	100		
120	9.4	6.8	10.2
236	26.3	20.2	30.2





#77

Pyrene

Concen: 3.18 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.01 min

Lab File: BF088580.D

Acq: 1 Jul 2016 17:47

Instrument :

BNA_F

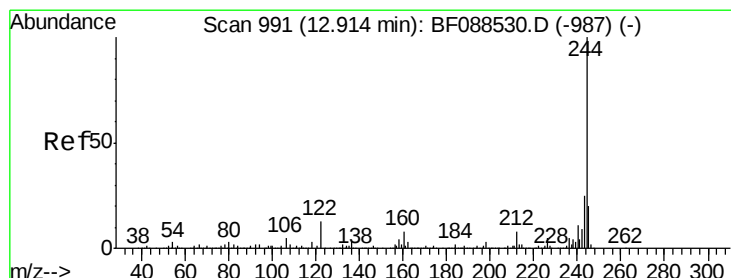
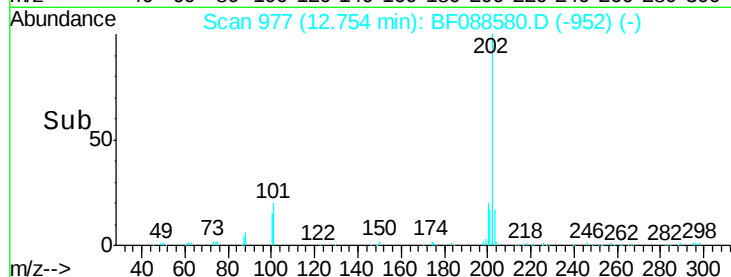
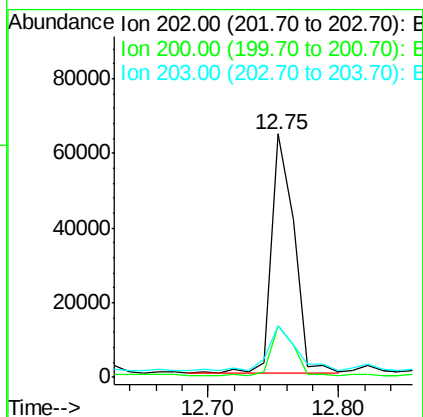
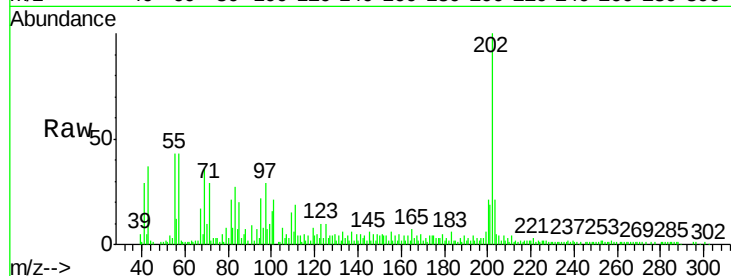
ClientSampleId :

B1GWRE

Tgt Ion:	202	Resp:	77391
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	21.4	14.5	21.7

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#78

Terphenyl-d14

Concen: 71.55 ng

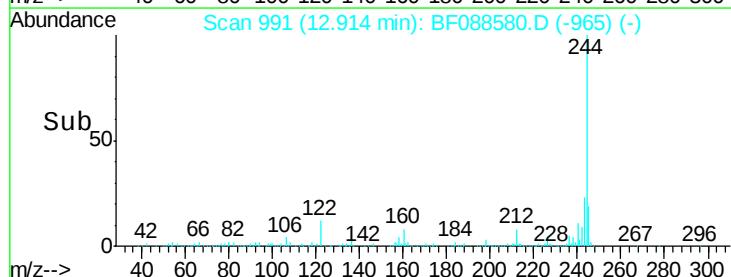
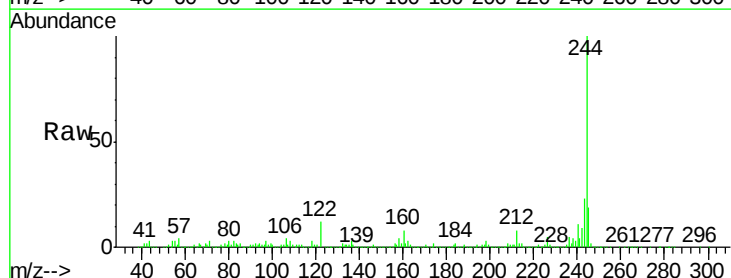
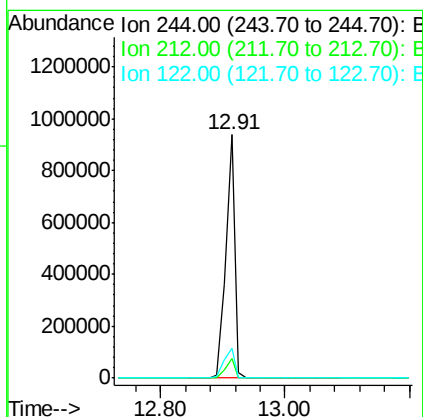
RT: 12.91 min Scan# 991

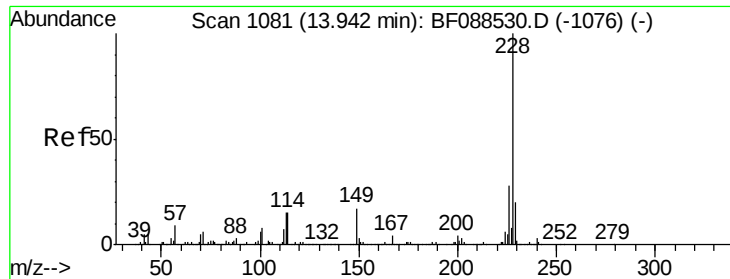
Delta R.T. -0.00 min

Lab File: BF088580.D

Acq: 1 Jul 2016 17:47

Tgt Ion:	244	Resp:	923085
Ion Ratio	Lower	Upper	
244	100		
212	7.8	6.0	9.0
122	12.1	11.2	16.8





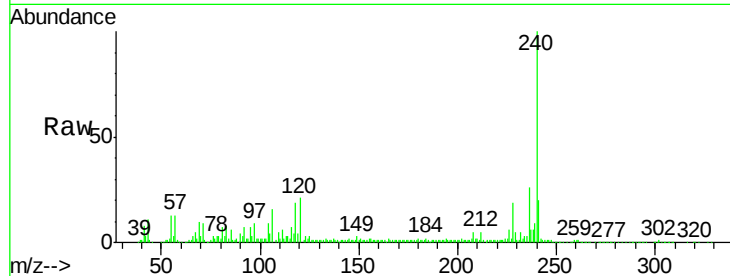
#80
Benzo(a)anthracene
Concen: 2.14 ng m
RT: 13.94 min Scan# 1081
Delta R.T. -0.00 min
Lab File: BF088580.D
Acq: 1 Jul 2016 17:47

Instrument :
BNA_F
ClientSampleId :
B1GWRE

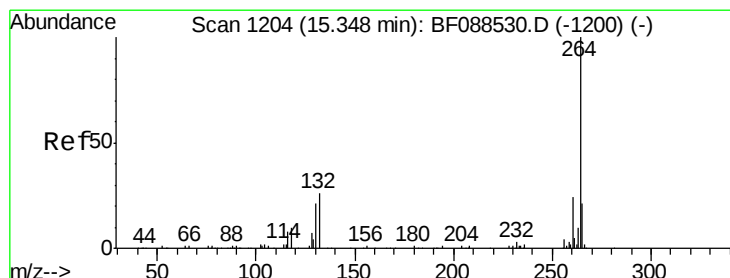
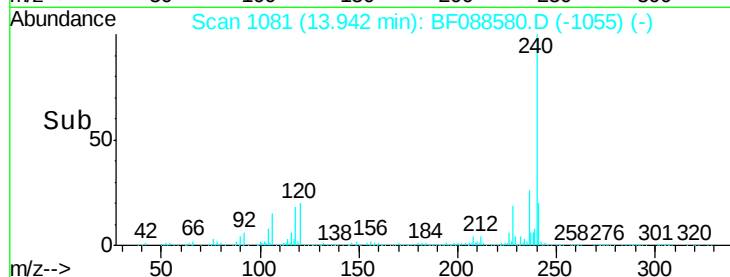
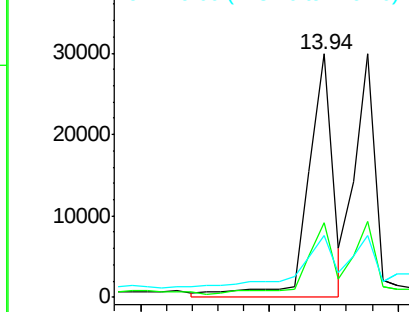
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.3	33.5
229	25.5	16.0	24.0

Manual Integrations
APPROVED

sohil
7/5/2016 7:31:11 PM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF088580.D
Acq: 1 Jul 2016 17:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.9	16.9	25.3

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

