

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092215\
 Data File : BF081763.D
 Acq On : 23 Sep 2015 9:29
 Operator : UM/IZ
 Sample : G3747-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-2

Manual Integrations
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 9/23/2015 4:34:17 PM

Quant Time: Sep 23 12:22:28 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 22 17:42:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	39039	20.00	ng	0.01
21) Naphthalene-d8	11.16	136	140764m	20.00	ng	0.11
38) Acenaphthene-d10	15.37	164	76188m	20.00	ng	0.21
63) Phenanthrene-d10	18.84	188	116649	20.00	ng	0.16
75) Chrysene-d12	23.34	240	82584	20.00	ng	0.01
86) Perylene-d12	24.77	264	69498	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	255773	101.65	ng	0.01
7) Phenol-d6	7.58	99	367642	110.38	ng	0.00
23) Nitrobenzene-d5	9.46	82	264484m	90.65	ng	0.01
41) 2,4,6-Tribromophenol	17.26	330	56773m	83.69	ng	0.18
44) 2-Fluorobiphenyl	13.82	172	386499	65.01	ng	0.13
78) Terphenyl-d14	22.08	244	292104	82.34	ng	0.03
Target Compounds						
31) Naphthalene	11.21	128	1606207m	213.96	ng	Qvalue
37) 2-Methylnaphthalene	12.95	142	4880915m	999.10	ng	
45) 1,1'-Biphenyl	14.07	154	982535m	140.17	ng	# 92
51) Acenaphthene	15.44	154	153873m	30.12	ng	
57) Fluorene	16.68	166	457460m	80.81	ng	# 18
70) Phenanthrene	18.91	178	1029305	158.72	ng	
71) Anthracene	19.01	178	78934	11.85	ng	# 18
77) Pyrene	21.77	202	67419m	11.02	ng	

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

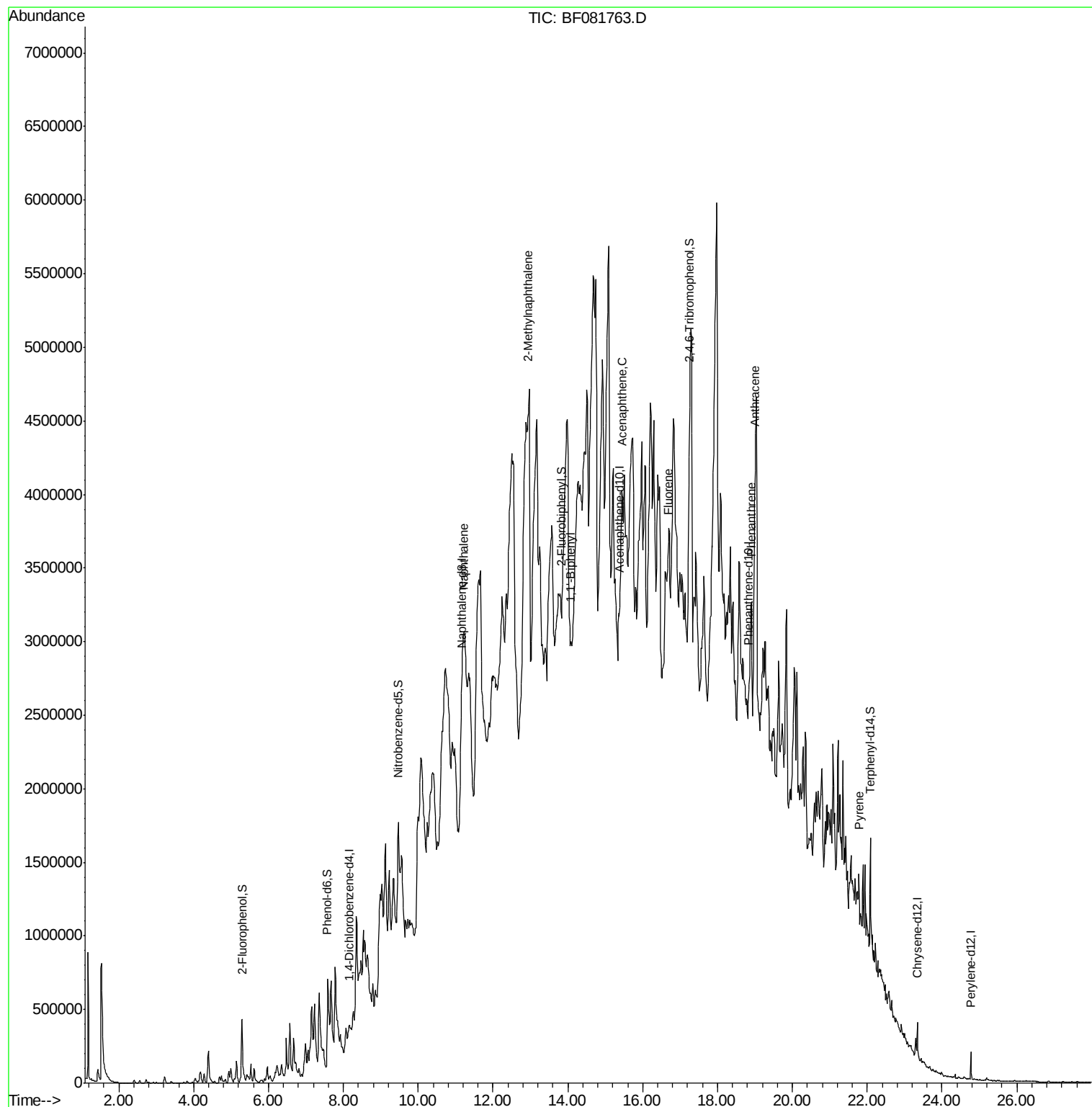
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092215\
Data File : BF081763.D
Acq On : 23 Sep 2015 9:29
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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TRENCH-1-2

Manual Integrations
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#1

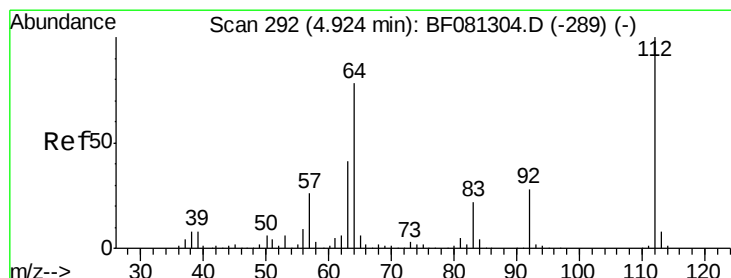
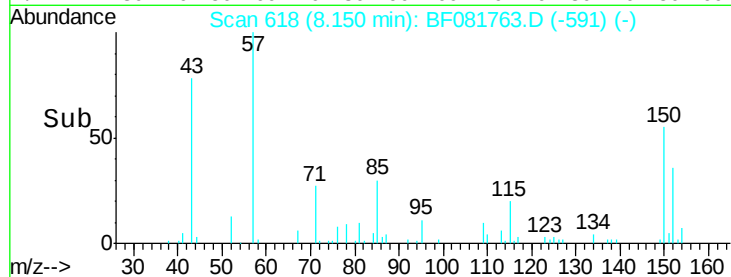
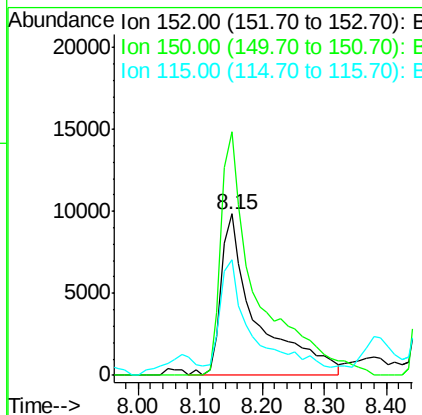
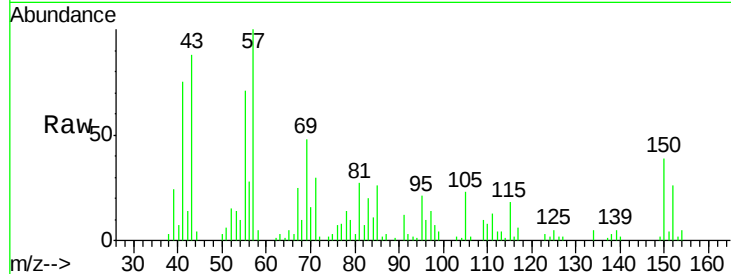
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.15 min Scan# 618
Delta R.T. 0.01 min
Lab File: BF081763.D
Acq: 23 Sep 2015 9:29

Instrument :
BNA_F
ClientSampleId :
TRENCH-1-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.1	124.7	187.1
115	71.5	39.0	58.4

Manual Integrations
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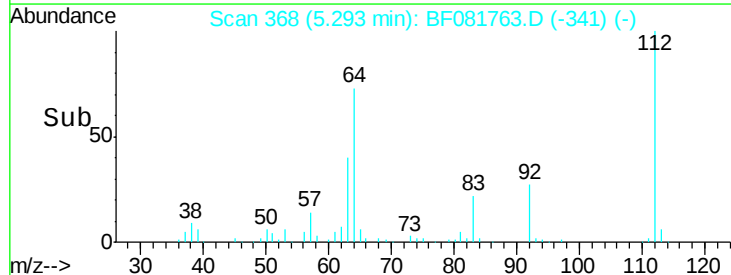
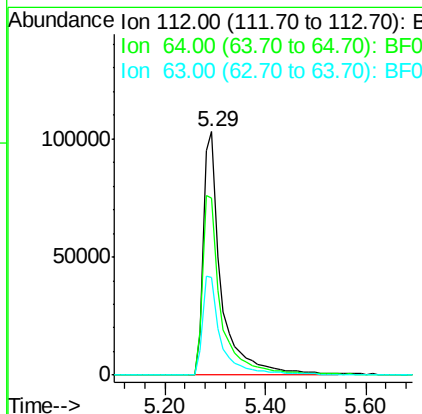
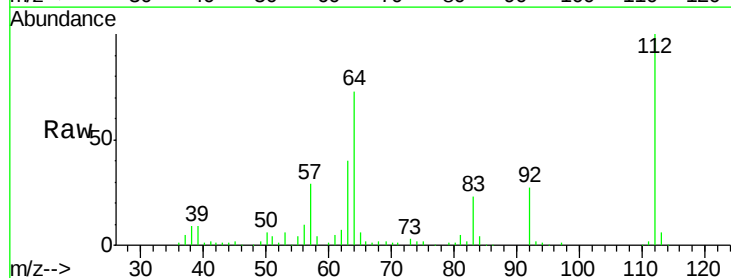
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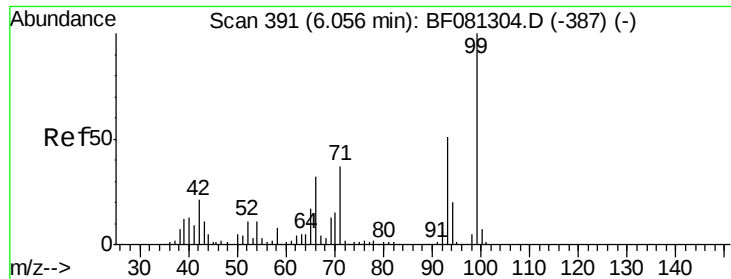


#5

2-Fluorophenol
Concen: 101.65 ng
RT: 5.29 min Scan# 368
Delta R.T. 0.01 min
Lab File: BF081763.D
Acq: 23 Sep 2015 9:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.5	39.7	59.5
63	40.1	17.4	26.0





#7

Phenol-d6

Concen: 110.38 ng

RT: 7.58 min Scan# 568

Delta R.T. 0.00 min

Lab File: BF081763.D

Acq: 23 Sep 2015 9:29

Instrument :

BNA_F

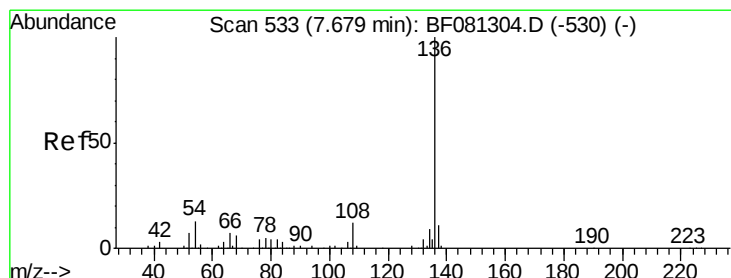
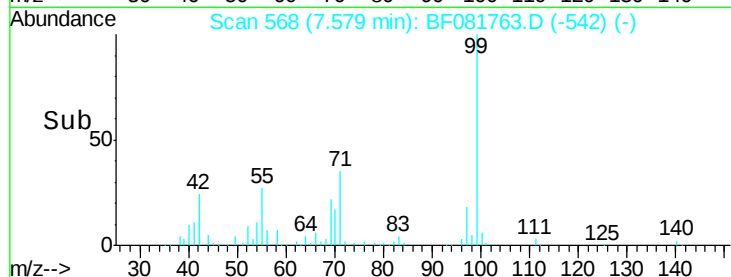
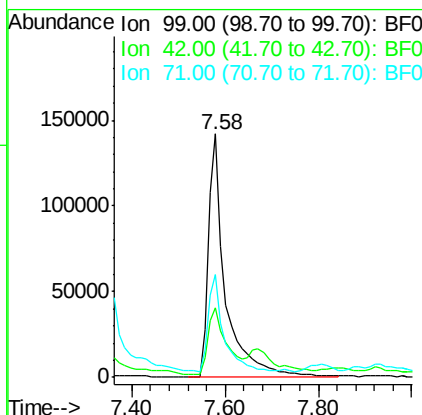
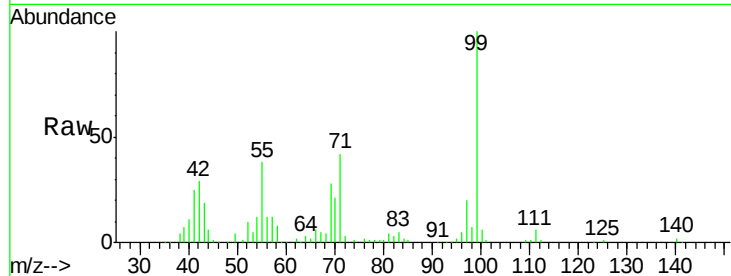
ClientSampleId :

TRENCH-1-2

Tot Ion:	99	Resp:	367642
Ion Ratio	Lower	Upper	
99	100		
42	28.8	13.7	20.5#
71	42.1	14.2	21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng m

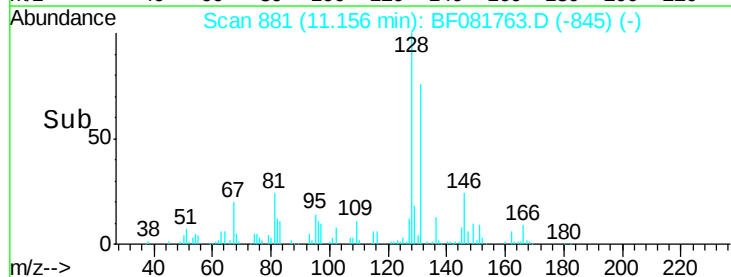
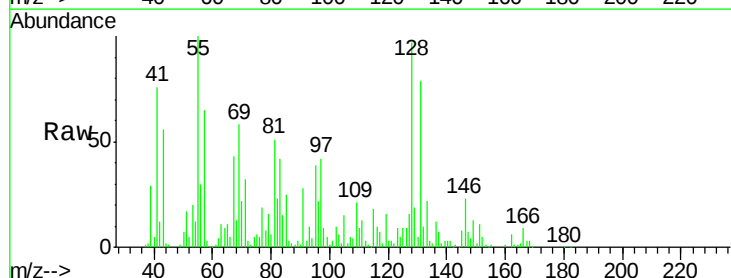
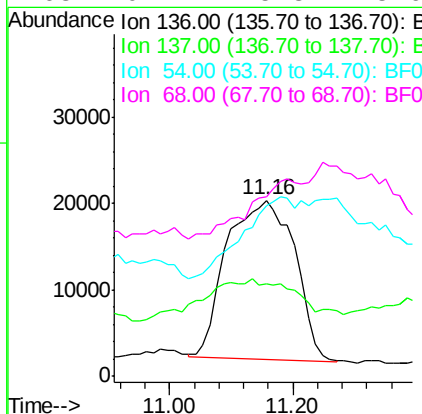
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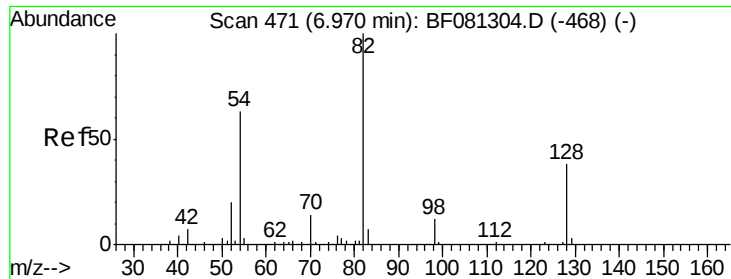
Delta R.T. 0.11 min

Lab File: BF081763.D

Acq: 23 Sep 2015 9:29

Tgt Ion:	136	Resp:	140764
Ion Ratio	Lower	Upper	
136	100		
137	52.2	9.0	13.6#
54	96.9	8.2	12.2#
68	102.1	5.8	8.6#





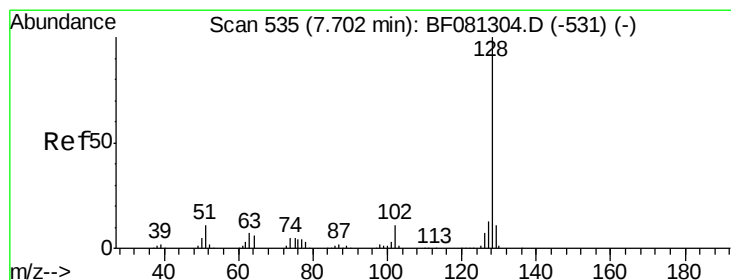
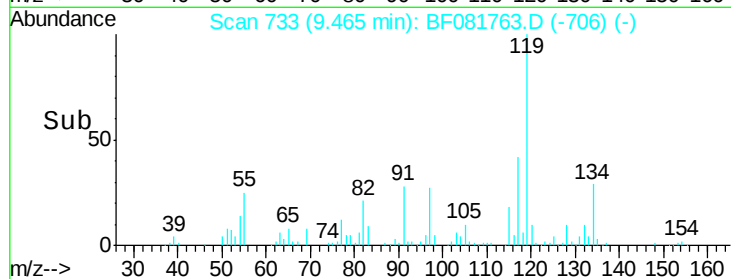
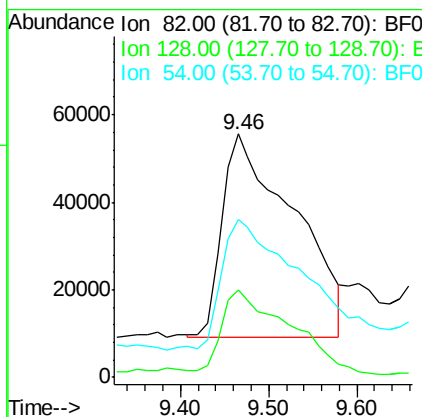
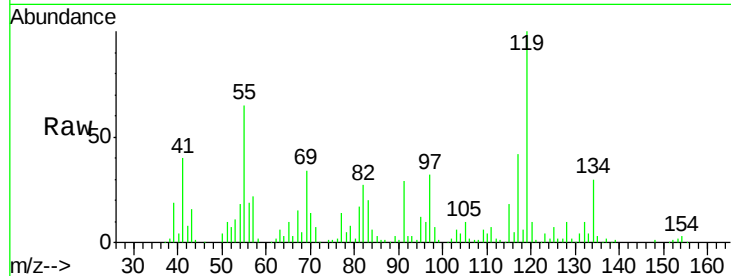
#23
Nitrobenzene-d5
Concen: 90.65 ng m
RT: 9.46 min Scan# 733
Delta R.T. 0.01 min
Lab File: BF081763.D
Acq: 23 Sep 2015 9:29

Instrument :
BNA_F
ClientSampleId :
TRENCH-1-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.9	51.0	76.6#
54	65.1	47.5	71.3

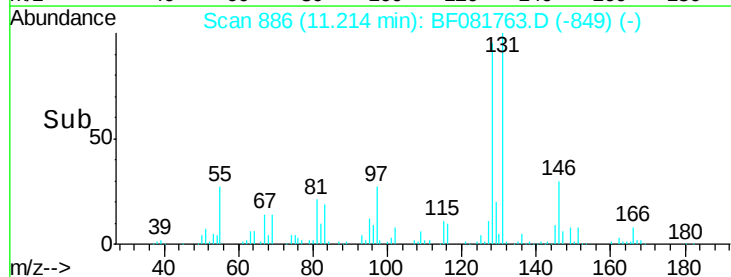
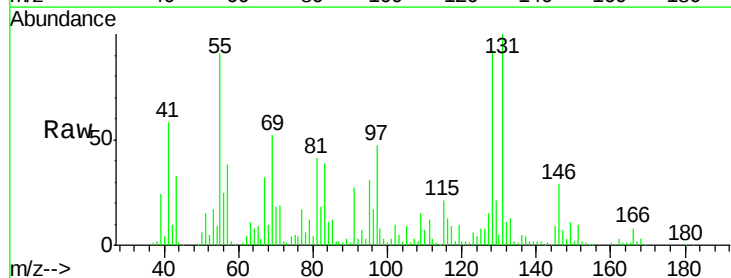
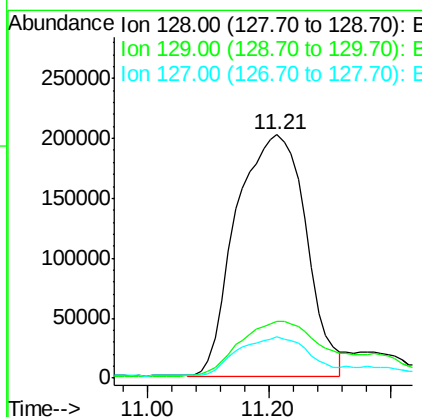
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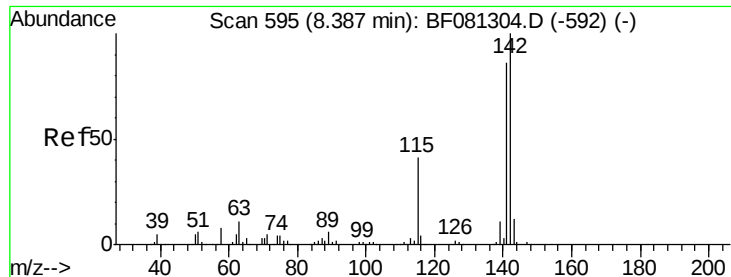
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#31
Naphthalene
Concen: 213.96 ng m
RT: 11.21 min Scan# 886
Delta R.T. 0.13 min
Lab File: BF081763.D
Acq: 23 Sep 2015 9:29

Tgt Ion	Ratio	Lower	Upper
128	100		
129	23.3	8.4	12.6#
127	16.8	9.9	14.9#





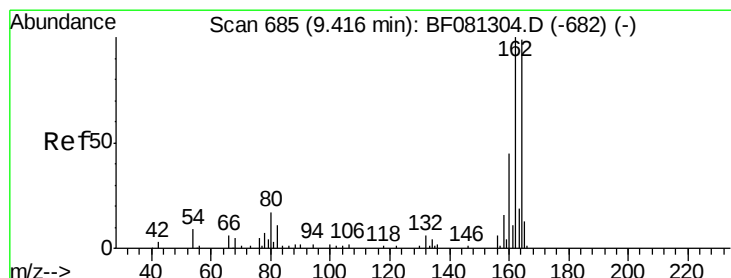
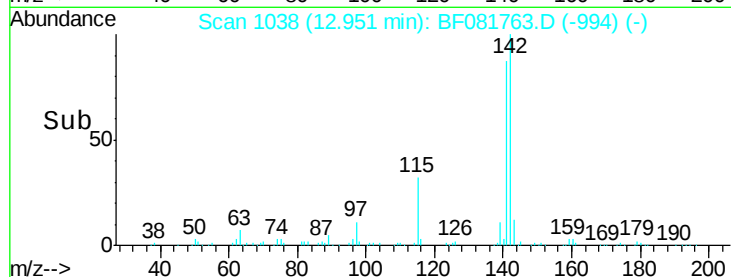
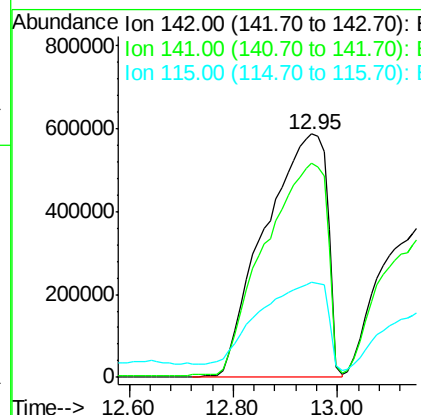
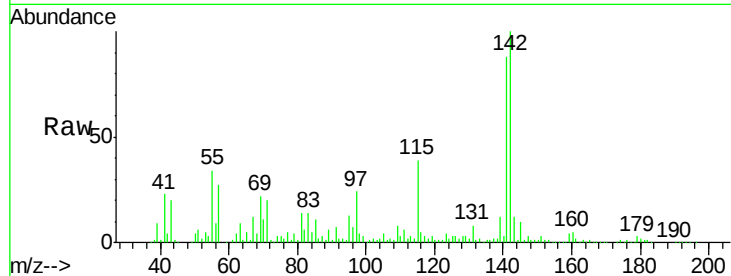
#37
2-Methylnaphthalene
Concen: 999.10 ng m
RT: 12.95 min Scan# 1038
Delta R.T. 0.21 min
Lab File: BF081763.D
Acq: 23 Sep 2015 9:29

Instrument :
BNA_F
ClientSampleId :
TRENCH-1-2

Tot Ion:142 Resp: 4880915
Ion Ratio Lower Upper
142 100
141 87.7 67.5 101.3
115 38.9 18.2 27.2#

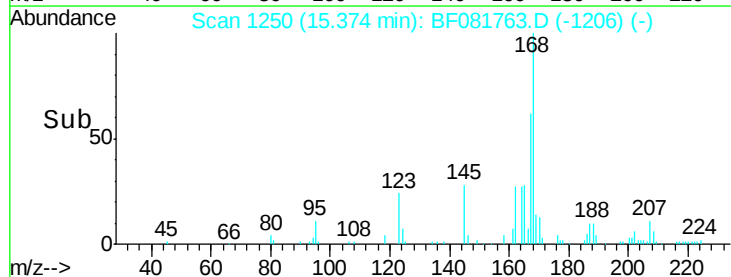
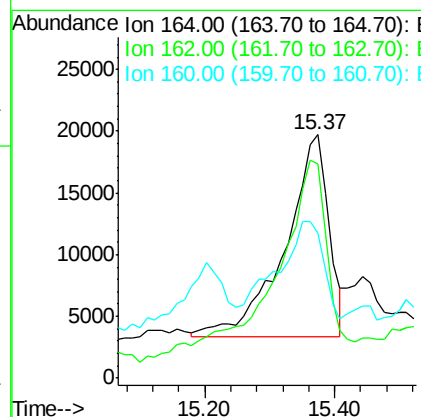
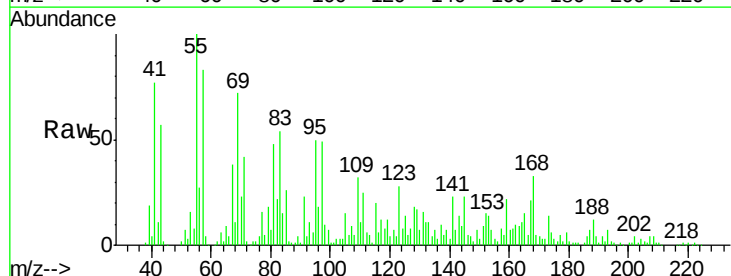
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#38
Acenaphthene-d10
Concen: 20.00 ng m
RT: 15.37 min Scan# 1250
Delta R.T. 0.21 min
Lab File: BF081763.D
Acq: 23 Sep 2015 9:29

Tgt Ion:164 Resp: 76188
Ion Ratio Lower Upper
164 100
162 88.1 75.2 112.8
160 59.5 31.5 47.3#





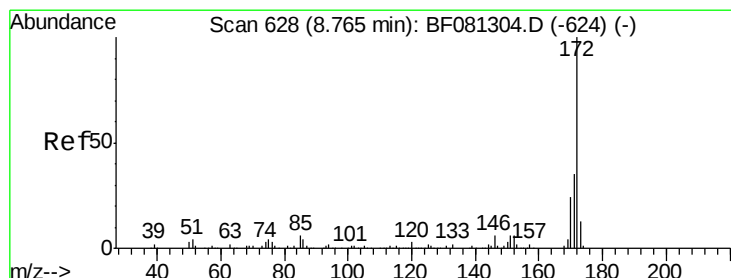
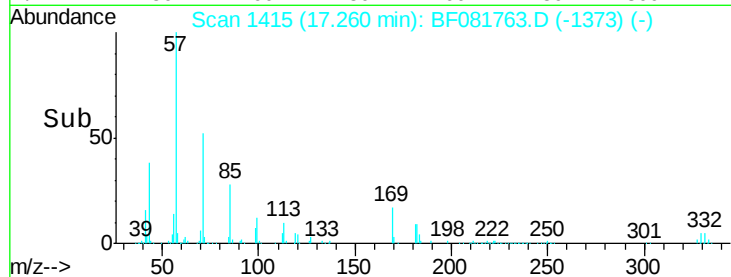
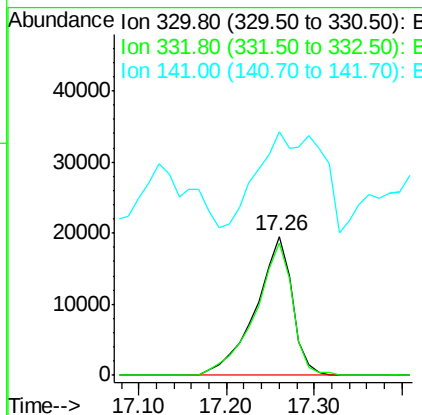
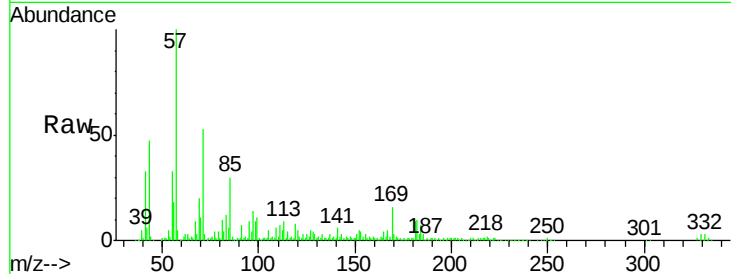
#41
 2,4,6-Tribromophenol
 Concen: 83.69 ng/mL
 RT: 17.26 min Scan# 1415
 Delta R.T. 0.18 min
 Lab File: BF081763.D
 Acq: 23 Sep 2015 9:29

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.3	76.6	114.8
141	63.7	29.7	44.5

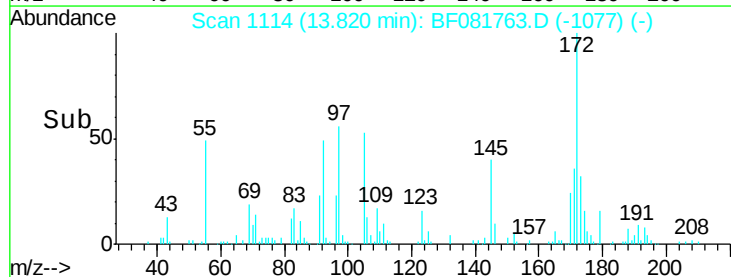
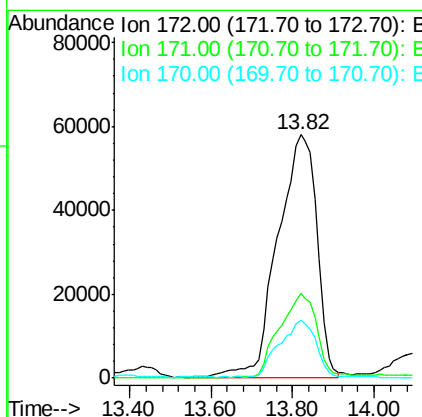
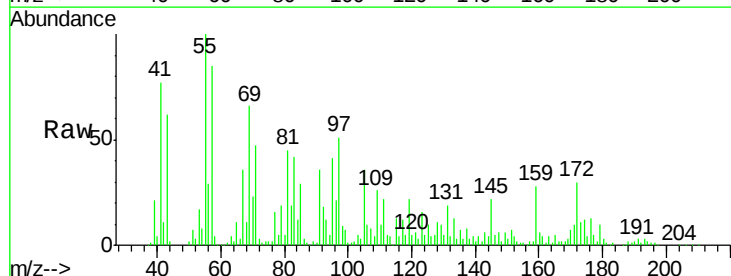
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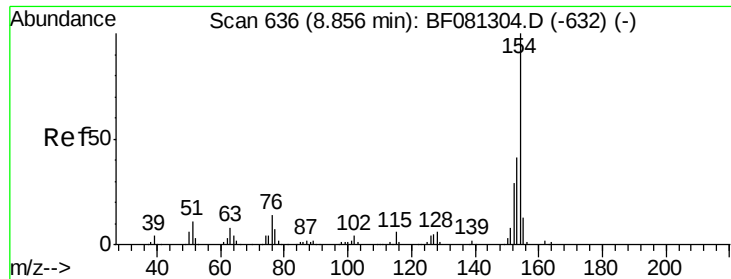
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#44
 2-Fluorobiphenyl
 Concen: 65.01 ng/mL
 RT: 13.82 min Scan# 1114
 Delta R.T. 0.13 min
 Lab File: BF081763.D
 Acq: 23 Sep 2015 9:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	26.1	39.1
170	23.8	17.4	26.2





#45

1,1'-Biphenyl

Concen: 140.17 ng/mL

RT: 14.07 min Scan# 1136

Delta R.T. 0.18 min

Lab File: BF081763.D

Acq: 23 Sep 2015 9:29

Instrument :

BNA_F

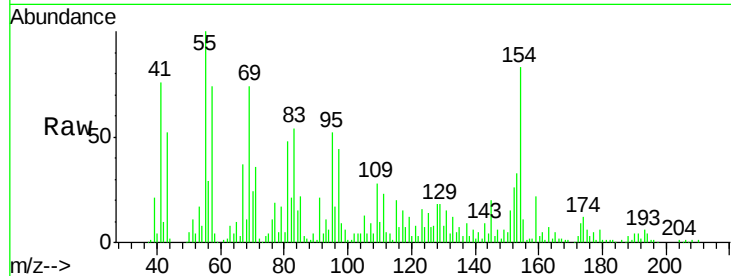
ClientSampleId :

TRENCH-1-2

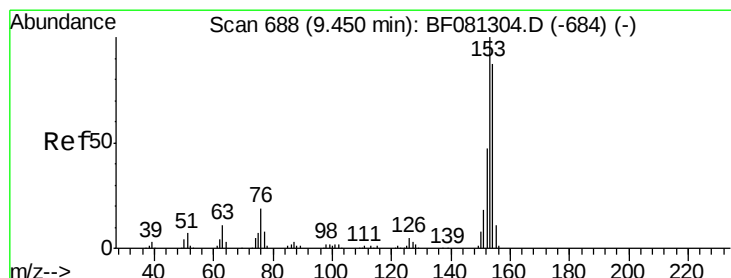
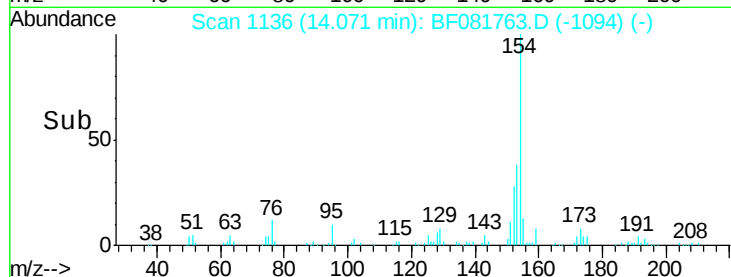
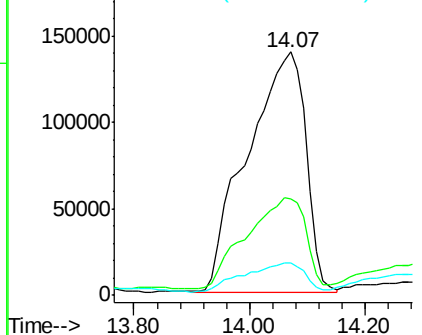
Tot Ion:	154	Resp:	982535
Ion Ratio	Lower	Upper	
154	100		
153	39.8	17.1	57.1
76	13.1	0.0	31.6

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#51

Acenaphthene

Concen: 30.12 ng/mL

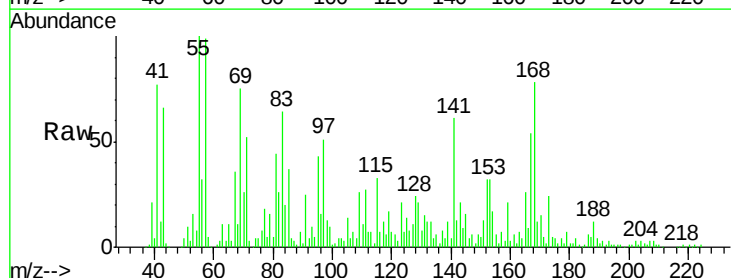
RT: 15.44 min Scan# 1256

Delta R.T. 0.19 min

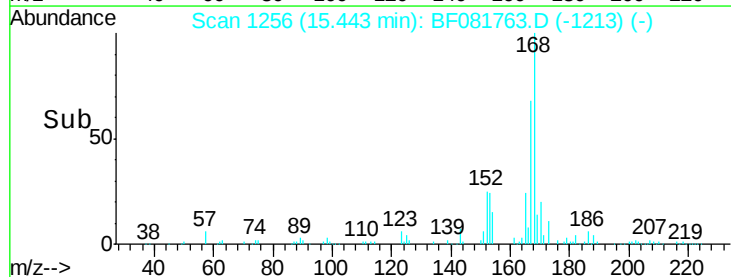
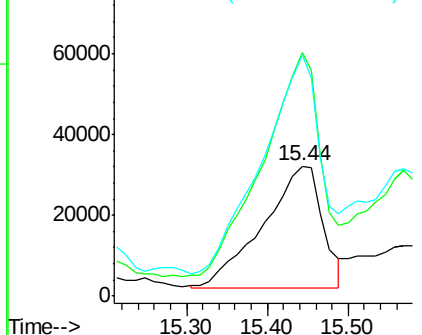
Lab File: BF081763.D

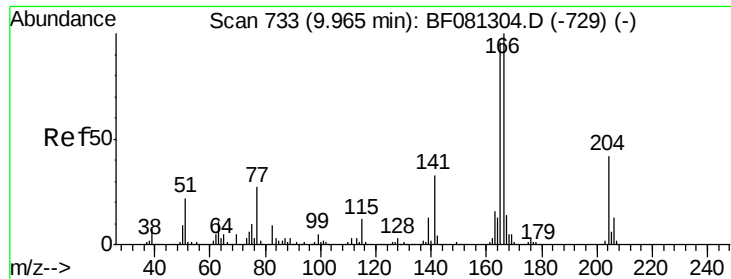
Acq: 23 Sep 2015 9:29

Tgt Ion:	154	Resp:	153873
Ion Ratio	Lower	Upper	
154	100		
153	187.3	82.1	123.1#
152	185.0	37.9	56.9#



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





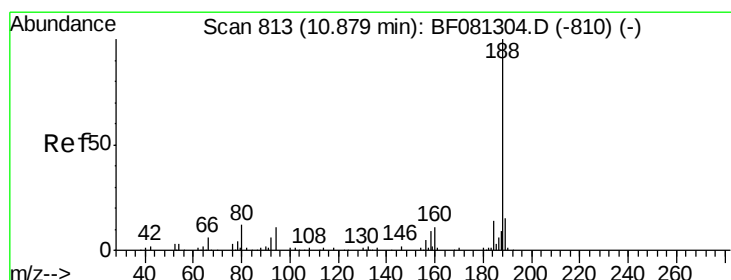
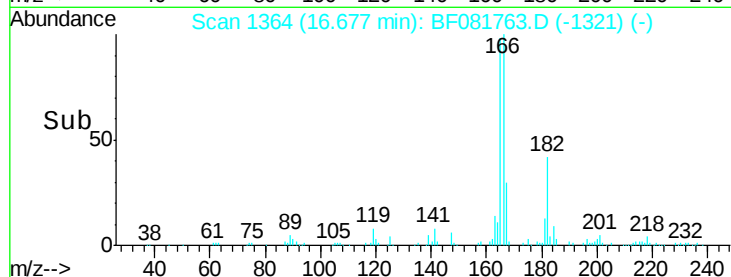
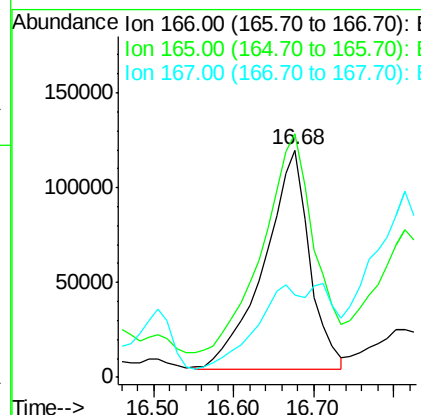
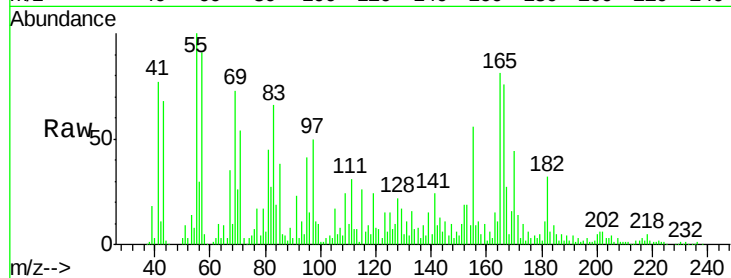
#57
Fluorene
 Concen: 80.81 ng/mL
 RT: 16.68 min Scan# 1364
 Delta R.T. 0.19 min
 Lab File: BF081763.D
 Acq: 23 Sep 2015 9:29

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-2

Tot Ion	Ratio	Lower	Upper
166	100		
165	107.1	72.6	109.0
167	36.3	10.6	16.0

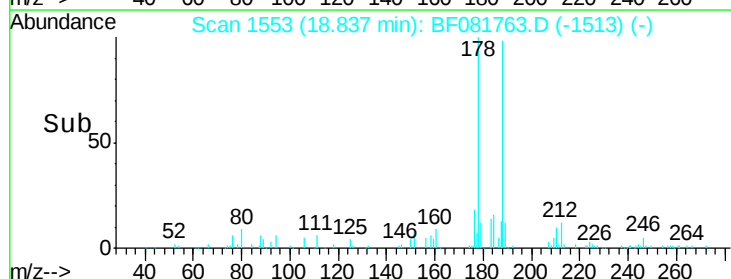
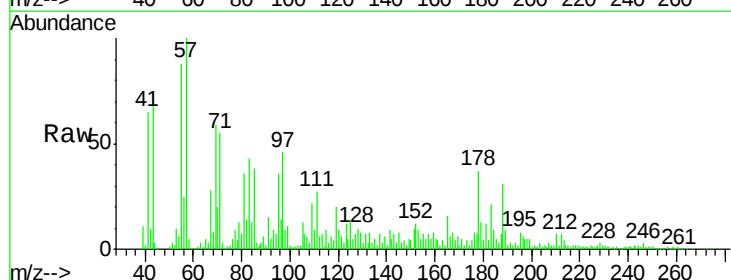
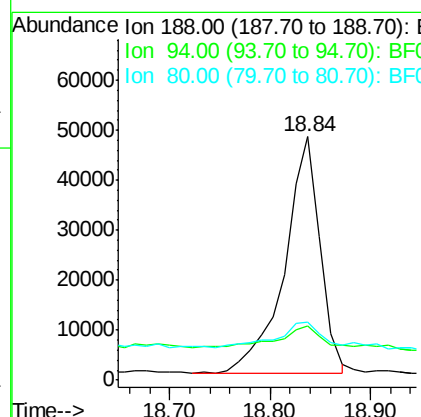
Manual Integrations
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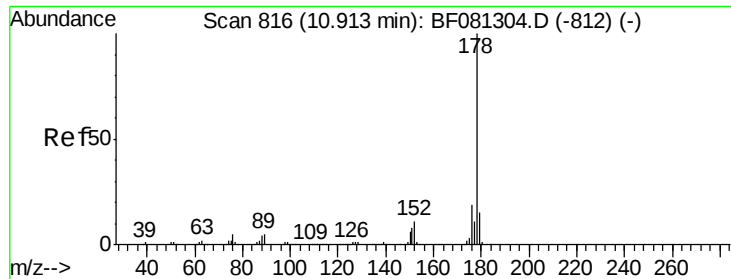
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.84 min Scan# 1553
 Delta R.T. 0.16 min
 Lab File: BF081763.D
 Acq: 23 Sep 2015 9:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	22.3	11.1	16.7
80	23.7	11.0	16.4





#70

Phenanthrene

Concen: 158.72 ng

RT: 18.91 min Scan# 1559

Delta R.T. 0.17 min

Lab File: BF081763.D

Acq: 23 Sep 2015 9:29

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-2

Tot Ion:178 Resp: 1029305

Ion Ratio Lower Upper

178 100

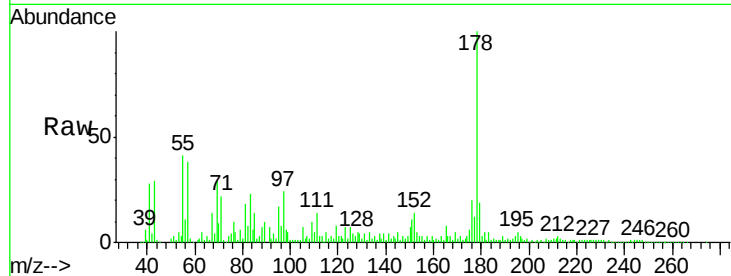
176 19.8 13.8 20.8

179 19.4 12.2 18.2#

Manual Integrations
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MMDadoda

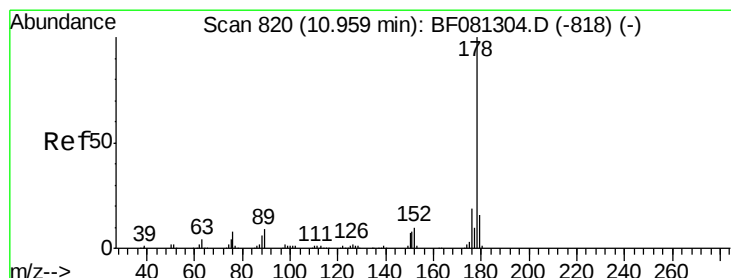
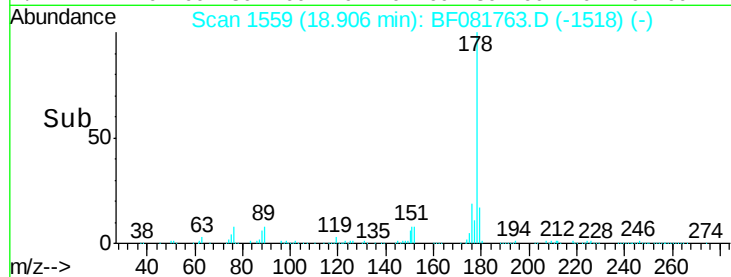
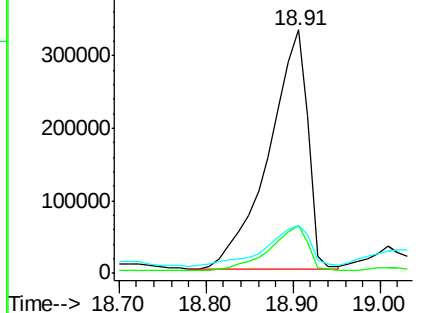
9/23/2015 4:34:17 PM



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



#71

Anthracene

Concen: 11.85 ng

RT: 19.01 min Scan# 1568

Delta R.T. 0.15 min

Lab File: BF081763.D

Acq: 23 Sep 2015 9:29

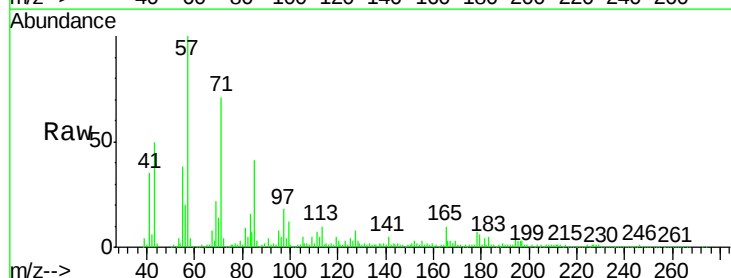
Tgt Ion:178 Resp: 78934

Ion Ratio Lower Upper

178 100

176 21.0 14.1 21.1

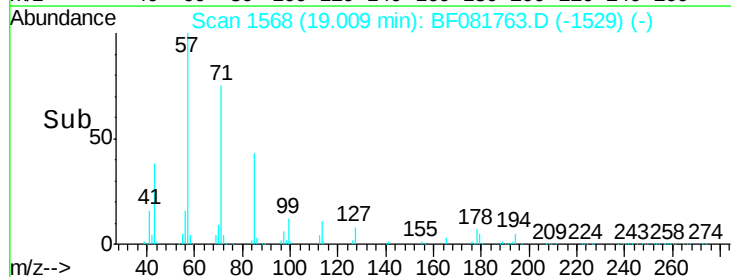
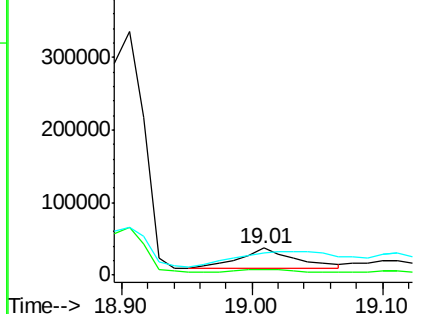
179 85.3 12.2 18.2#

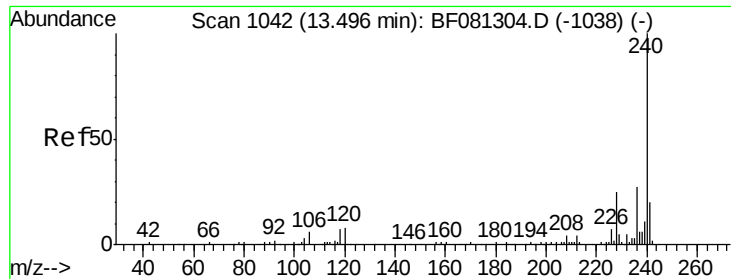


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 23.34 min Scan# 1947

Delta R.T. 0.01 min

Lab File: BF081763.D

Acq: 23 Sep 2015 9:29

Instrument :

BNA_F

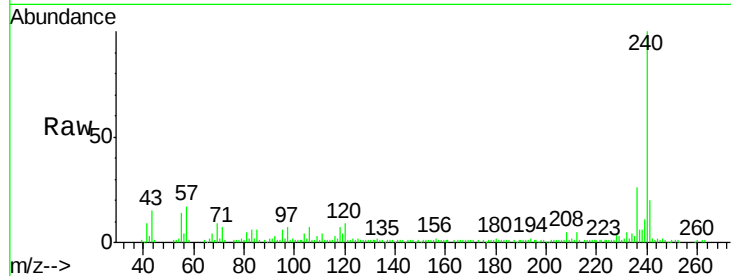
ClientSampleId :

TRENCH-1-2

Tot Ion:	240	Resp:	82584
Ion Ratio	Lower	Upper	
240	100		
120	8.6	16.2	24.2#
236	26.4	18.4	27.6

Manual Integrations
APPROVED

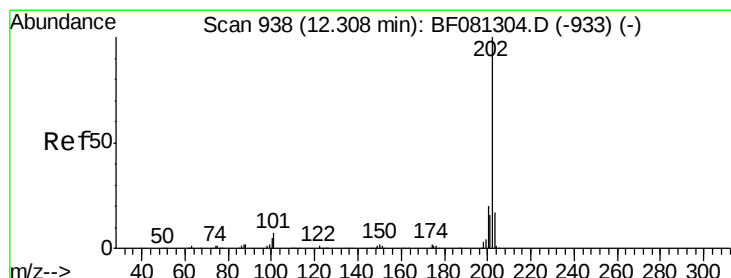
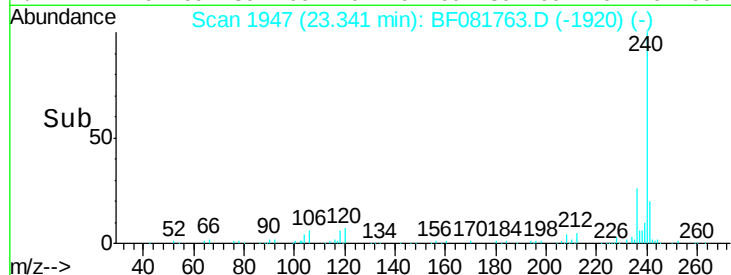
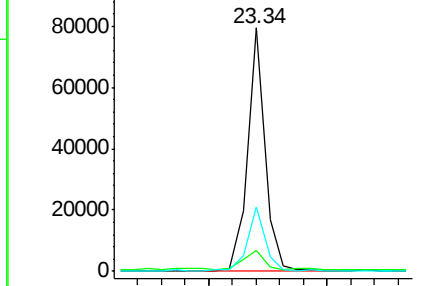
MMDadoda
9/23/2015 4:34:17 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 11.02 ng m

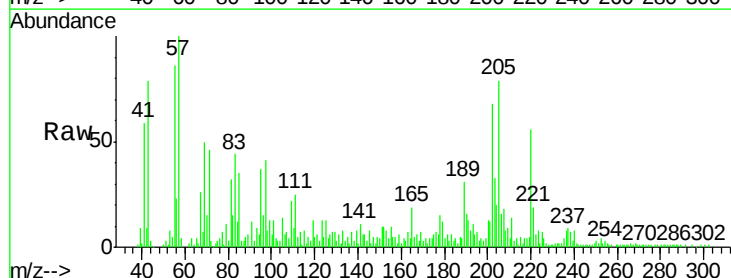
RT: 21.77 min Scan# 1810

Delta R.T. 0.06 min

Lab File: BF081763.D

Acq: 23 Sep 2015 9:29

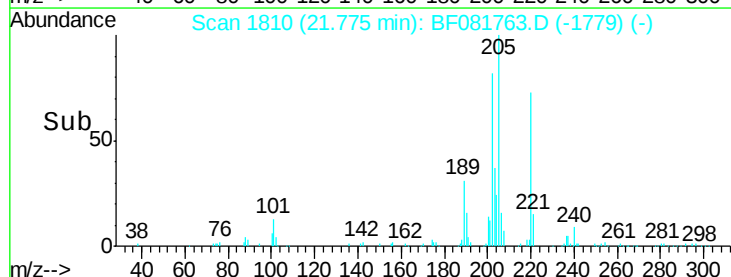
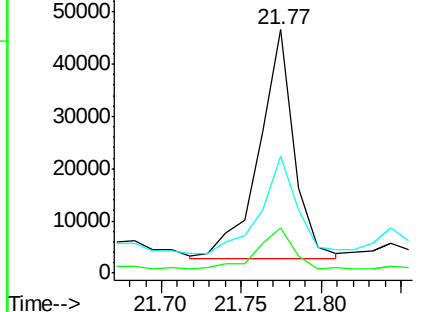
Tgt Ion:	202	Resp:	67419
Ion Ratio	Lower	Upper	
202	100		
200	18.6	15.0	22.4
203	48.2	14.1	21.1#

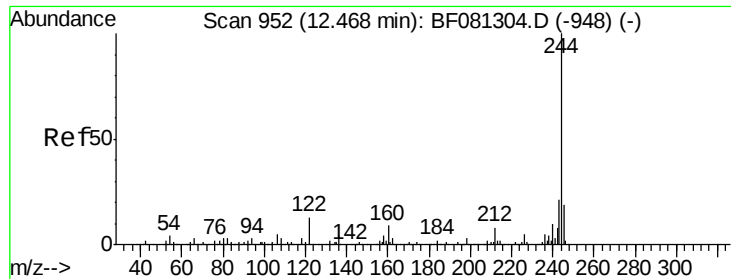


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 82.34 ng

RT: 22.08 min Scan# 1837

Delta R.T. 0.03 min

Lab File: BF081763.D

Acq: 23 Sep 2015 9:29

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-2

Tot Ion:244 Resp: 292104
Ion Ratio Lower Upper

244 100

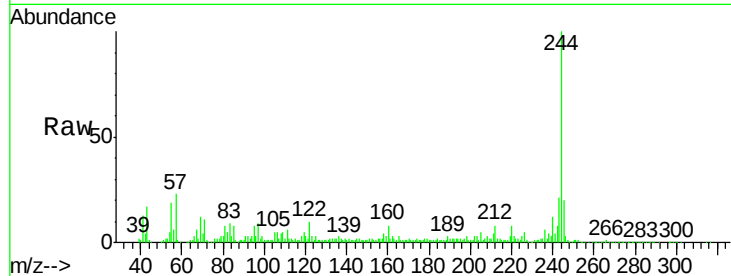
212 7.9 4.3 6.5#

122 10.0 17.4 26.2#

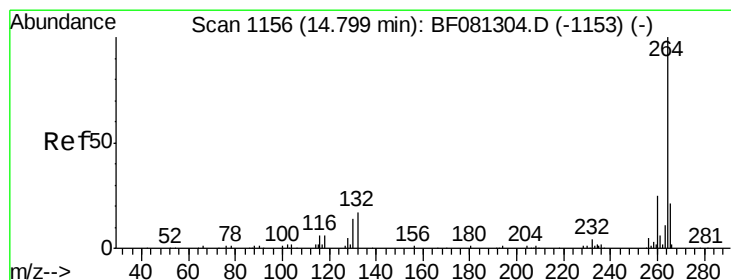
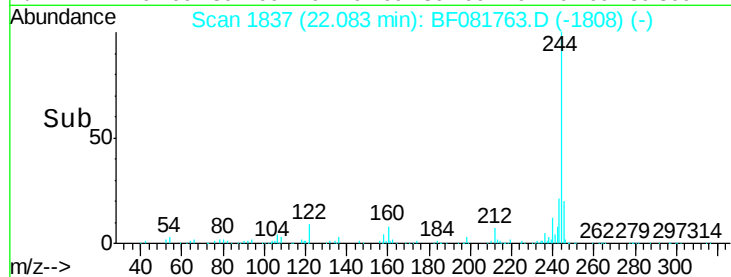
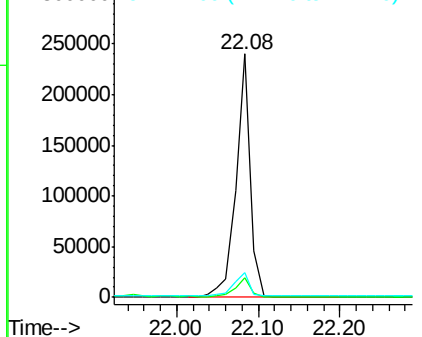
Manual Integrations
APPROVED

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9/23/2015 4:34:17 PM



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 24.77 min Scan# 2072

Delta R.T. 0.00 min

Lab File: BF081763.D

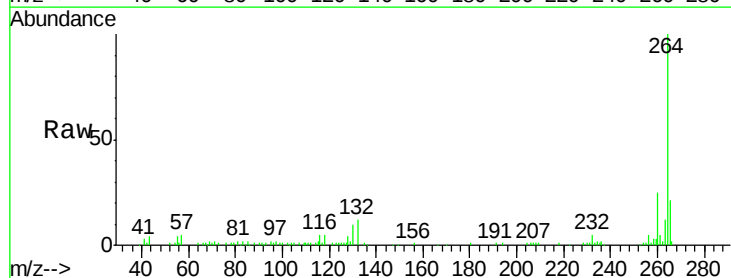
Acq: 23 Sep 2015 9:29

Tgt Ion:264 Resp: 69498
Ion Ratio Lower Upper

264 100

260 25.4 16.7 25.1#

265 21.1 17.2 25.8



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

