

Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
 Data File : BF082396.D
 Acq On : 20 Oct 2015 11:43
 Operator : UM/IZ
 Sample : G4040-04RE
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-1.5-05RE

Manual Integrations
 APPROVED

MMdadoda
 10/20/2015 6:26:17 PM

Quant Time: Oct 20 14:10:58 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 01:46:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	91358	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	343615	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	163579	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	258133	20.00	ng	-0.03
75) Chrysene-d12	14.02	240	210923	20.00	ng	0.01
86) Perylene-d12	15.54	264	192749	20.00	ng	0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	706152	156.00	ng	-0.02
7) Phenol-d6	6.45	99	795408	135.03	ng	-0.03
23) Nitrobenzene-d5	7.37	82	510333	99.74	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	157923	102.94	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	1088059	110.31	ng	-0.03
78) Terphenyl-d14	12.94	244	746829	93.83	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.57	163	215682	18.72	ng	99
70) Phenanthrene	11.36	178	50604	4.00	ng	99
74) Fluoranthene	12.55	202	73530	5.41	ng	96
77) Pyrene	12.78	202	69482	5.55	ng	97
80) Benzo(a)anthracene	14.01	228	39849	3.63	ng	92
82) Chrysene	14.05	228	35506m	3.07	ng	
83) Bis(2-ethylhexyl)phthalate	14.00	149	31124	3.82	ng	98
87) Benzo(b)fluoranthene	15.12	252	40801m	3.48	ng	
89) Benzo(a)pyrene	15.48	252	30233	3.00	ng	# 79

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

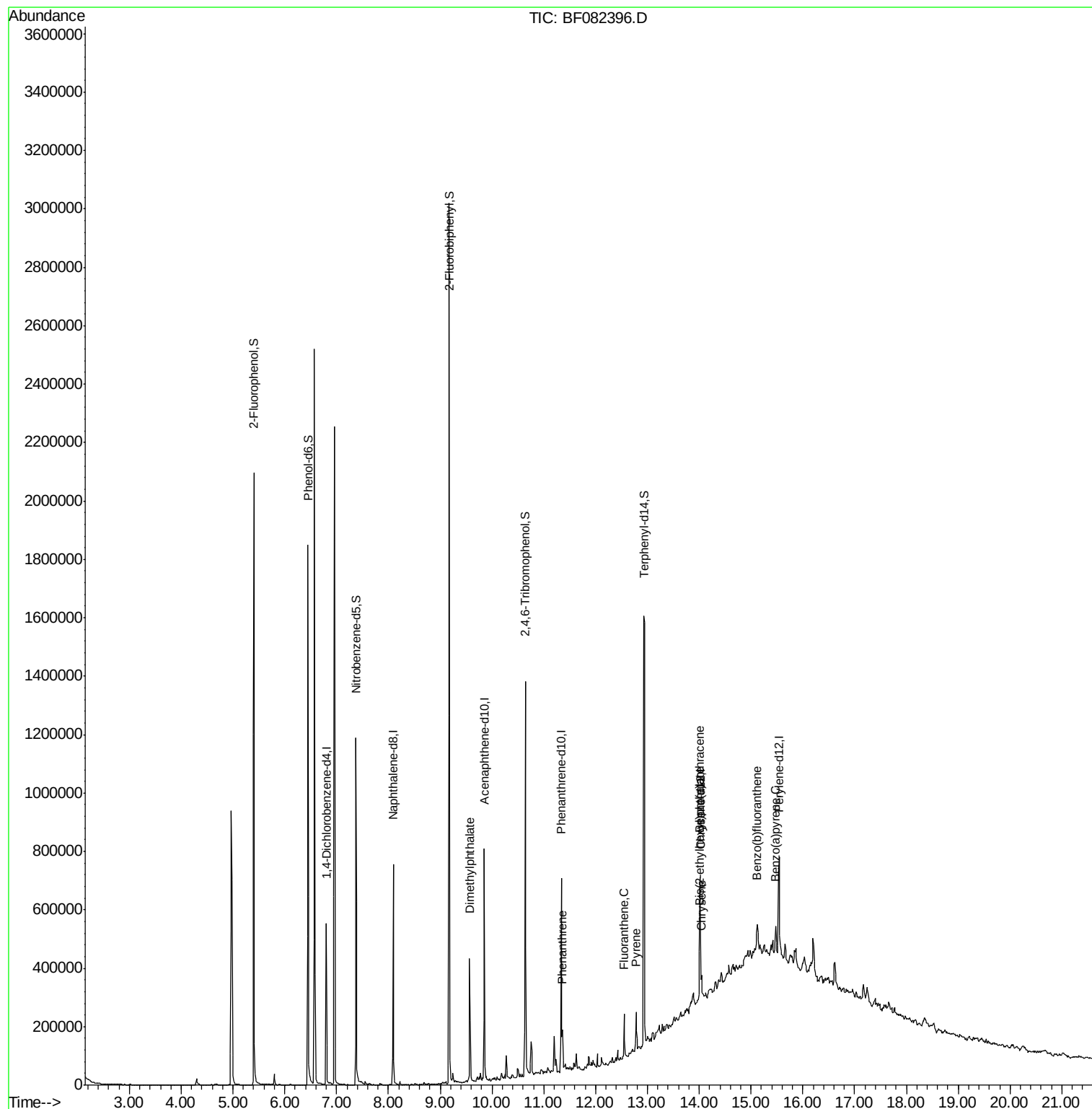
Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
Data File : BF082396.D
Acq On : 20 Oct 2015 11:43
Operator : UM/IZ
Sample : G4040-04RE
Misc :
ALS Vial : 43 Sample Multiplier: 1

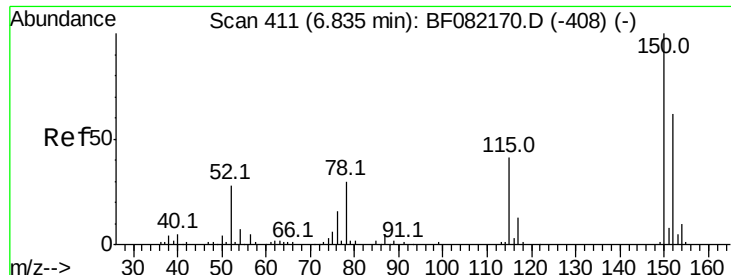
Instrument :
BNA_F
ClientSampleId :
IM-MLA-1.5-05RE

Manual Integrations
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Quant Time: Oct 20 14:10:58 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 12 01:46:21 2015
Response via : Initial Calibration





#1

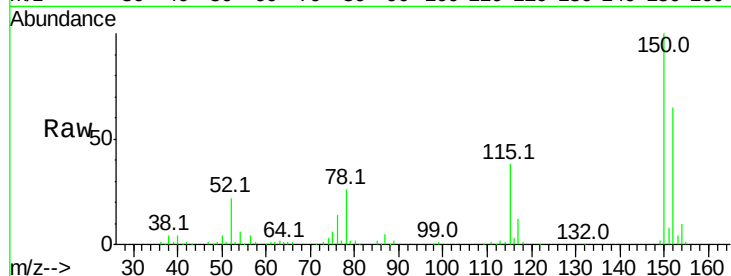
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 408
Delta R.T. -0.03 min
Lab File: BF082396.D
Acq: 20 Oct 2015 11:43

Instrument :
BNA_F
ClientSampleId :
IM-MLA-1.5-05RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	129.0	193.4
115	58.5	52.1	78.1

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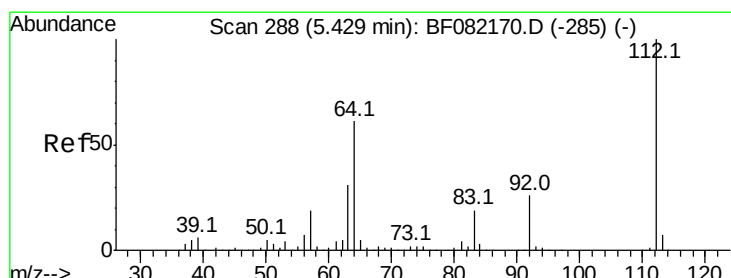
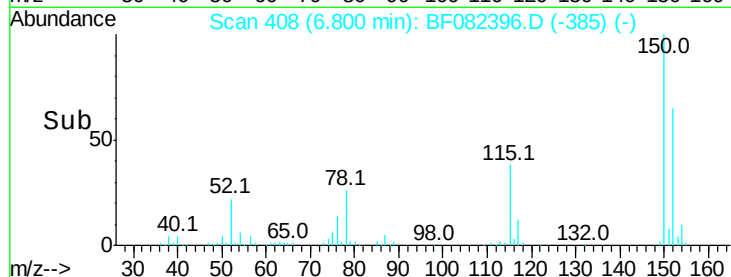
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

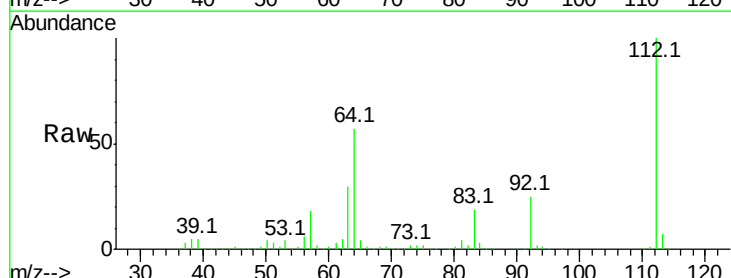
Time-->



#5

2-Fluorophenol
Concen: 156.00 ng
RT: 5.41 min Scan# 286
Delta R.T. -0.02 min
Lab File: BF082396.D
Acq: 20 Oct 2015 11:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	48.6	73.0
63	30.4	25.1	37.7



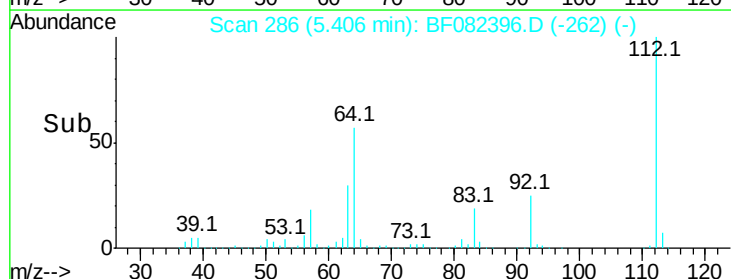
Abundance

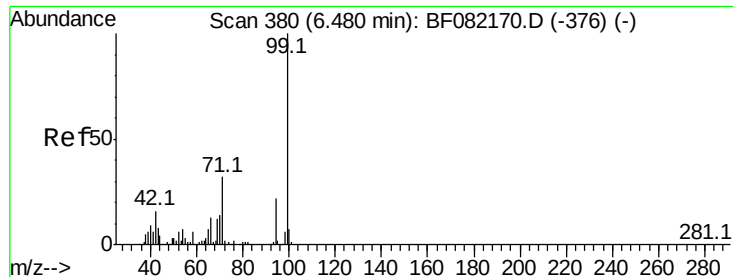
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 135.03 ng

RT: 6.45 min Scan# 377

Delta R.T. -0.03 min

Lab File: BF082396.D

Acq: 20 Oct 2015 11:43

Instrument :

BNA_F

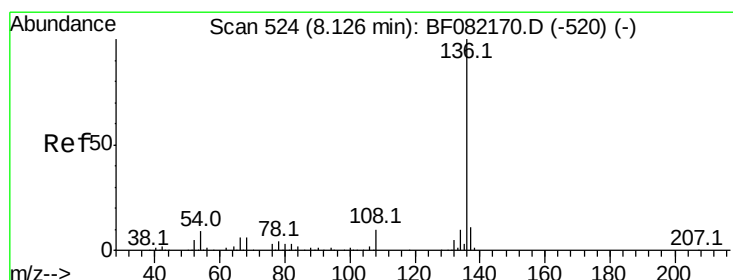
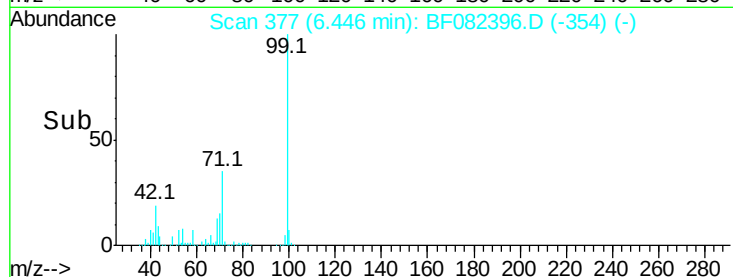
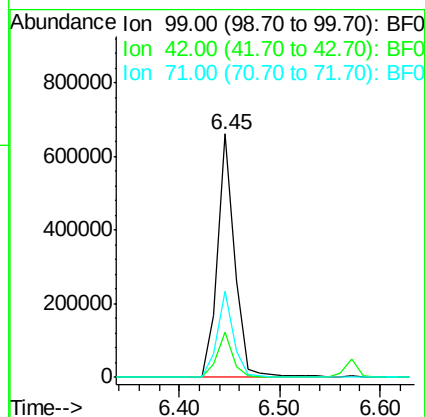
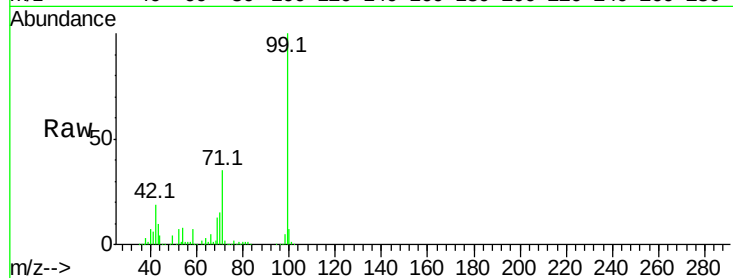
ClientSampleId :

IM-MLA-1.5-05RE

Tot Ion	99	Resp	795408
Ion Ratio	Lower	Upper	
99	100		
42	18.6	13.2	19.8
71	35.2	25.6	38.4

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#21

Naphthalene-d8

Concen: 20.00 ng

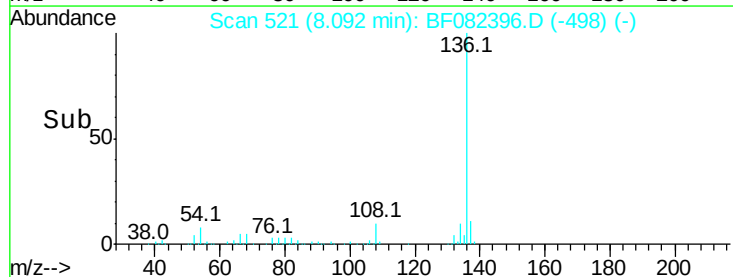
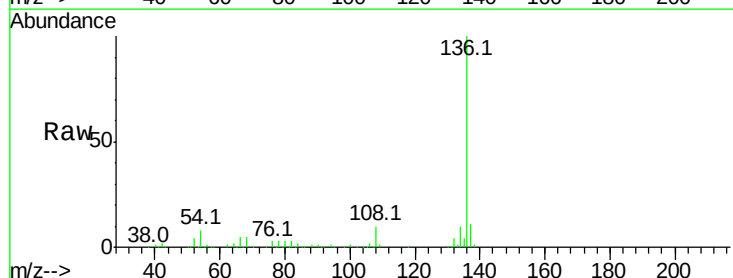
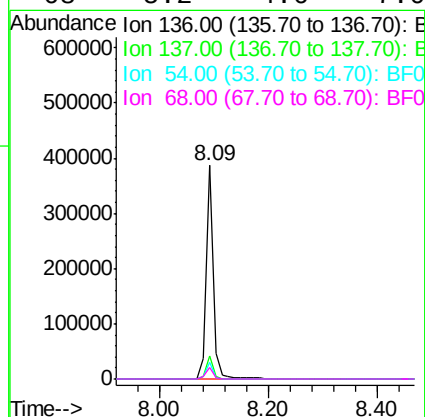
RT: 8.09 min Scan# 521

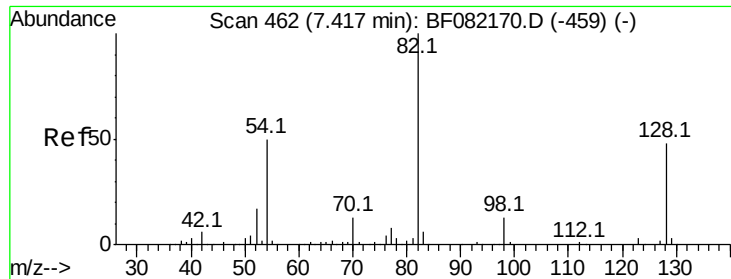
Delta R.T. -0.03 min

Lab File: BF082396.D

Acq: 20 Oct 2015 11:43

Tgt Ion	136	Resp	343615
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.6
54	7.6	7.5	11.3
68	5.2	4.6	7.0





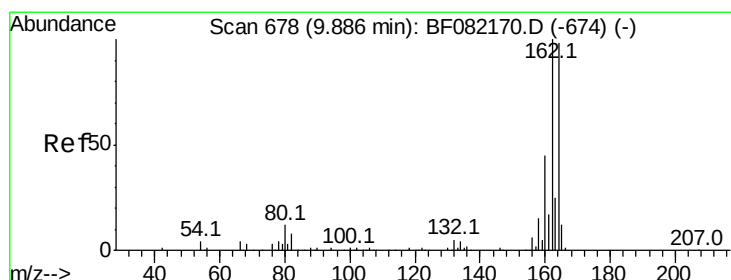
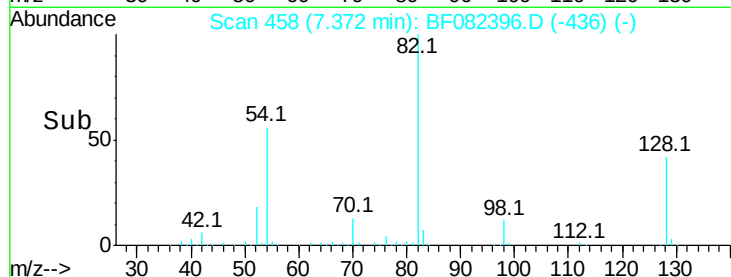
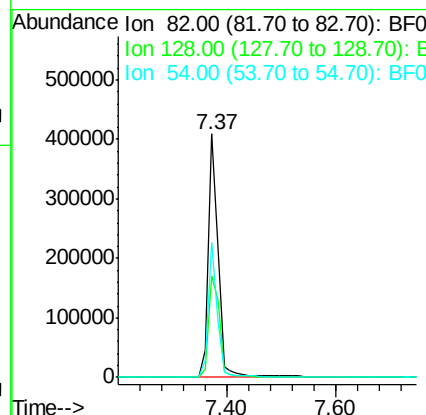
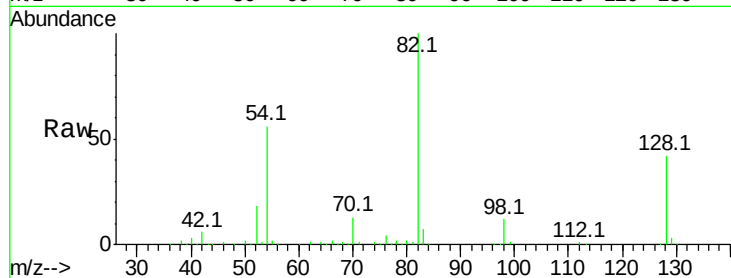
#23
Nitrobenzene-d5
Concen: 99.74 ng
RT: 7.37 min Scan# 458
Delta R.T. -0.05 min
Lab File: BF082396.D
Acq: 20 Oct 2015 11:43

Instrument :
BNA_F
ClientSampleId :
IM-MLA-1.5-05RE

Tot Ion	Ratio	Resp	Lower	Upper
82	100	510333		
128	41.8	38.7	58.1	
54	55.5	40.1	60.1	

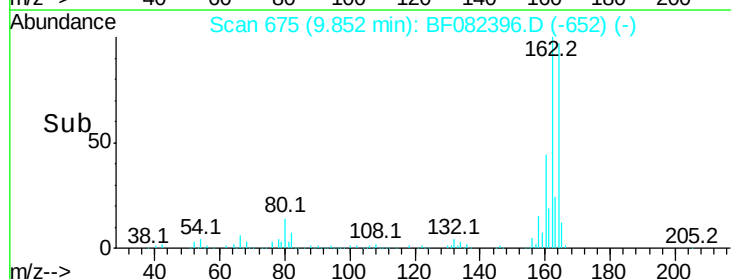
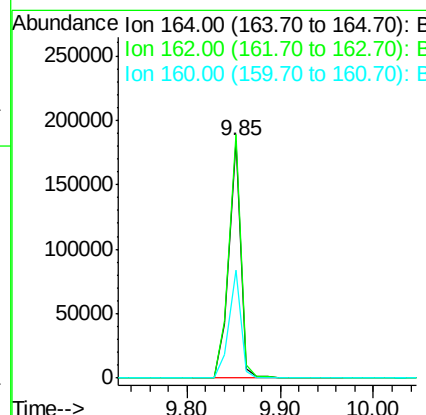
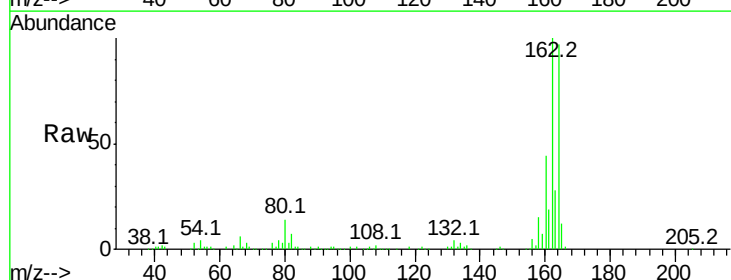
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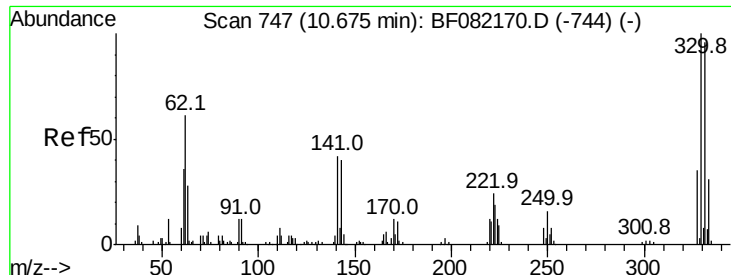
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 675
Delta R.T. -0.03 min
Lab File: BF082396.D
Acq: 20 Oct 2015 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	163579		
162	102.6	81.6	122.4	
160	45.3	36.4	54.6	





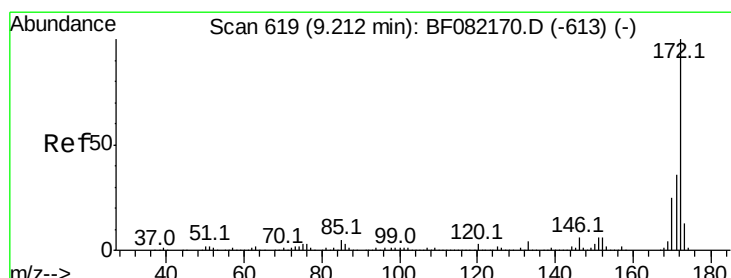
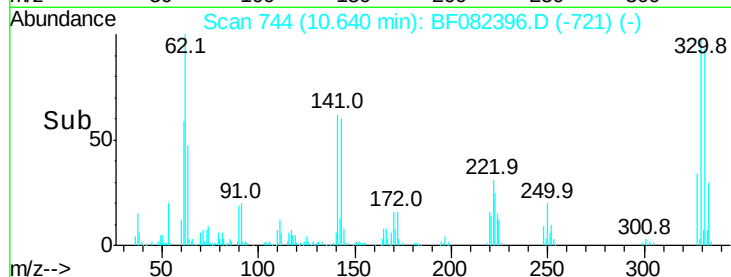
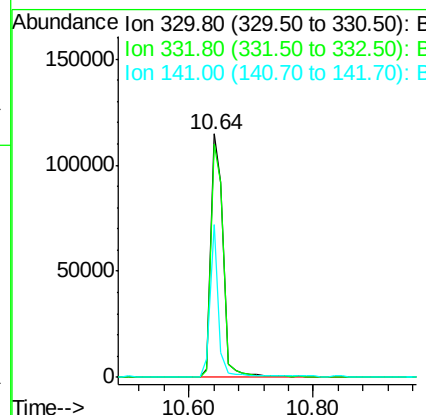
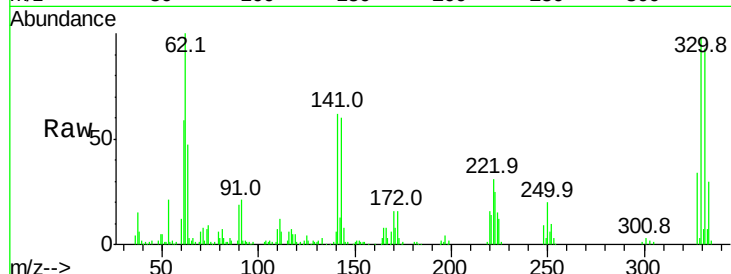
#41
 2,4,6-Tribromophenol
 Concen: 102.94 ng
 RT: 10.64 min Scan# 744
 Delta R.T. -0.03 min
 Lab File: BF082396.D
 Acq: 20 Oct 2015 11:43

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-1.5-05RE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	157923		
332	97.4		77.1	115.7
141	43.6		29.8	44.8

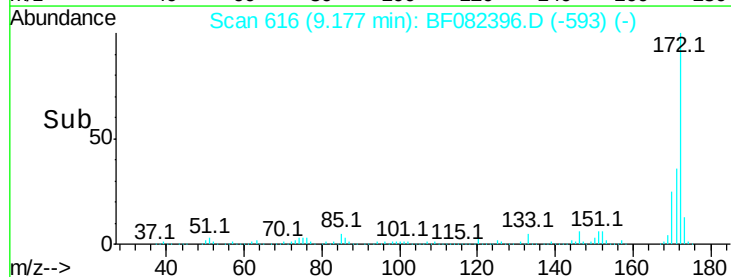
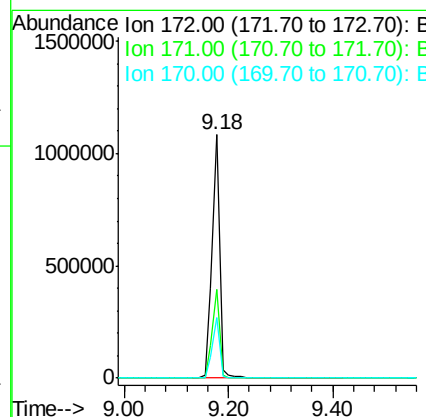
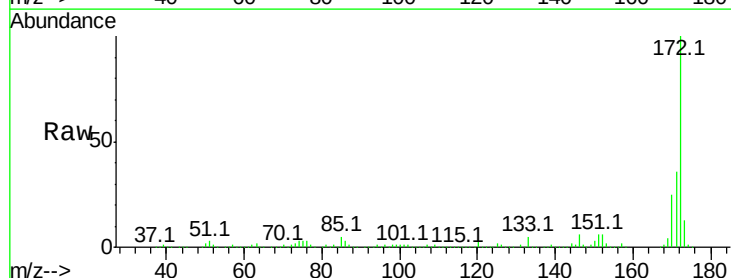
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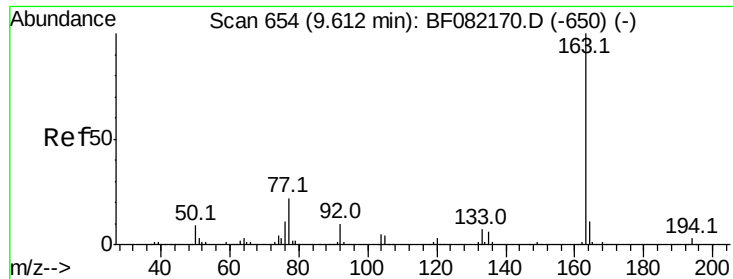
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#44
 2-Fluorobiphenyl
 Concen: 110.31 ng
 RT: 9.18 min Scan# 616
 Delta R.T. -0.03 min
 Lab File: BF082396.D
 Acq: 20 Oct 2015 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1088059		
171	36.2		28.6	42.8
170	24.9		19.7	29.5





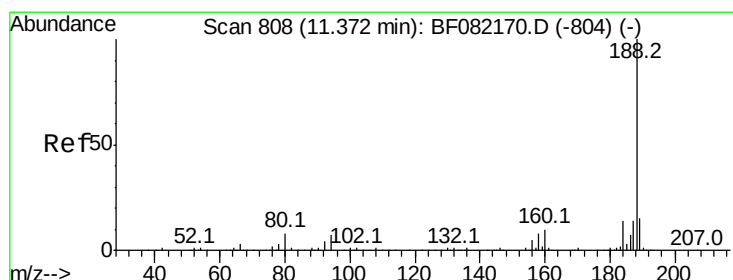
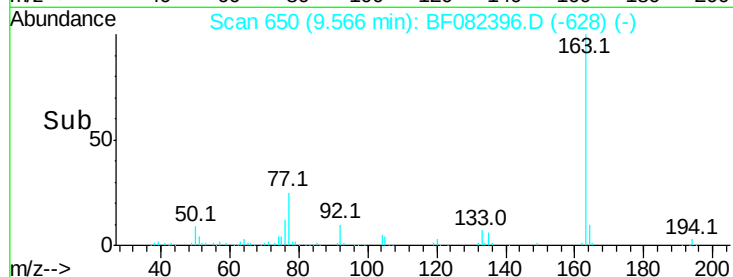
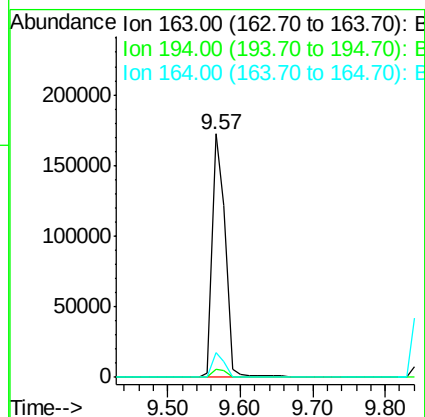
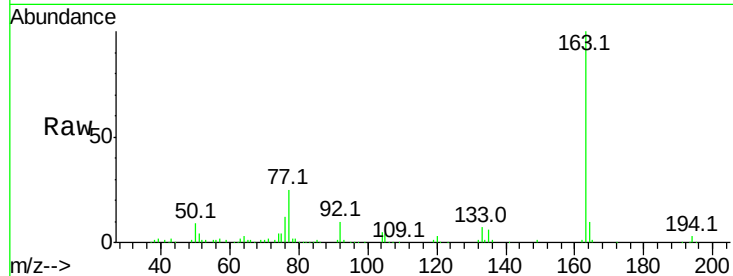
#49
Dimethylphthalate
Concen: 18.72 ng
RT: 9.57 min Scan# 650
Delta R.T. -0.05 min
Lab File: BF082396.D
Acq: 20 Oct 2015 11:43

Instrument :
BNA_F
ClientSampleId :
IM-MLA-1.5-05RE

Tot Ion	Ratio	Resp	Lower	Upper
163	100	215682		
194	3.1	2.6	4.0	
164	10.2	8.5	12.7	

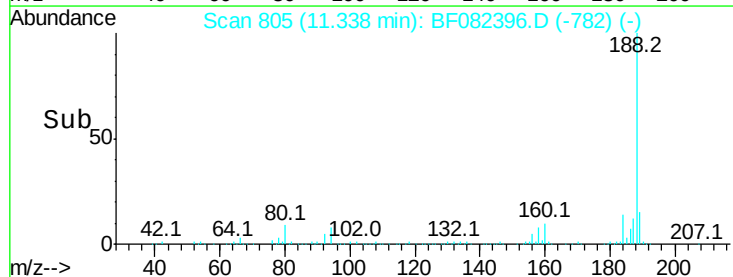
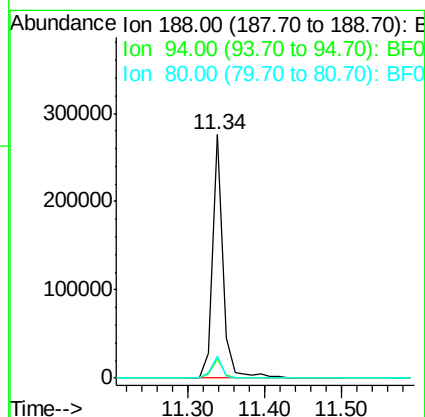
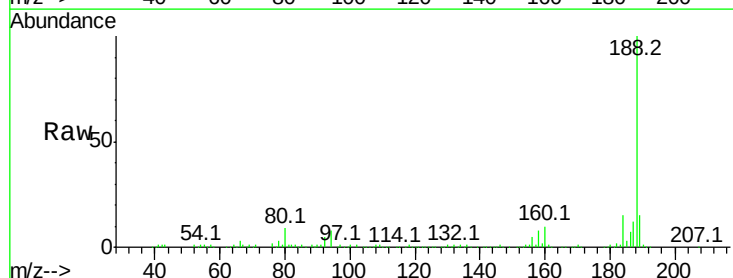
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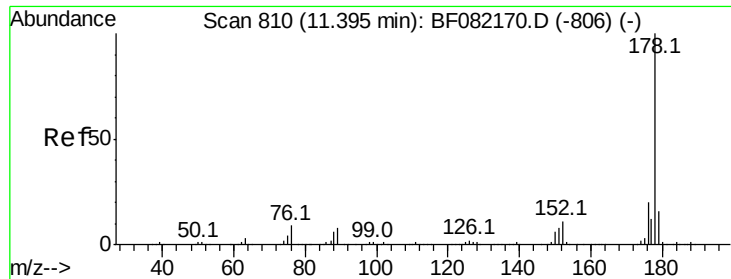
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 805
Delta R.T. -0.03 min
Lab File: BF082396.D
Acq: 20 Oct 2015 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	258133		
94	8.1	5.8	8.6	
80	9.0	6.4	9.6	





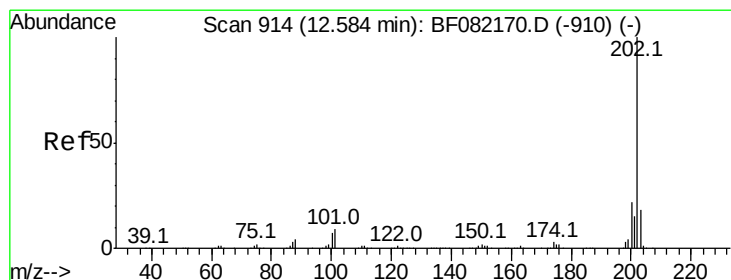
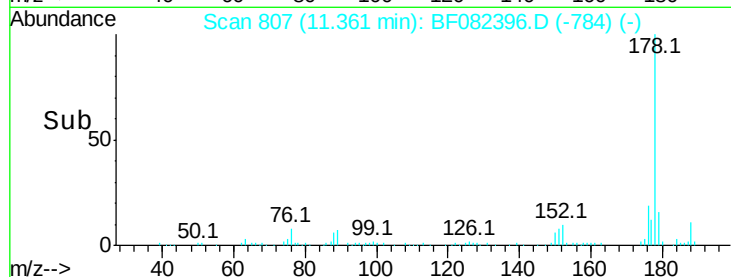
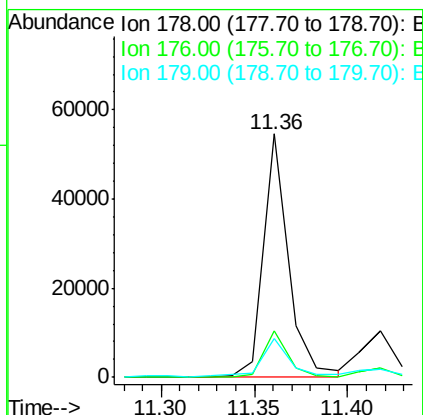
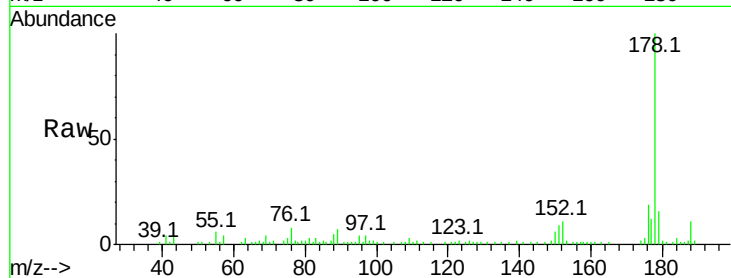
#70
Phenanthrene
Concen: 4.00 ng
RT: 11.36 min Scan# 807
Delta R.T. -0.03 min
Lab File: BF082396.D
Acq: 20 Oct 2015 11:43

Instrument :
BNA_F
ClientSampleId :
IM-MLA-1.5-05RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.0	24.0
179	15.7	12.6	19.0

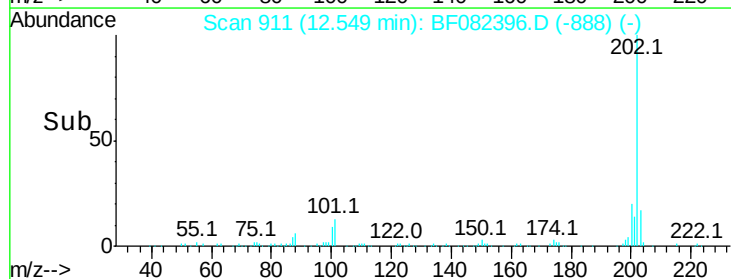
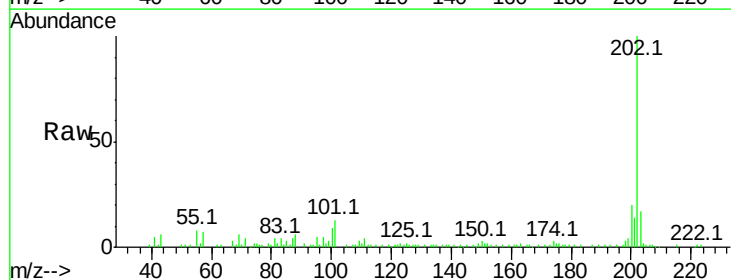
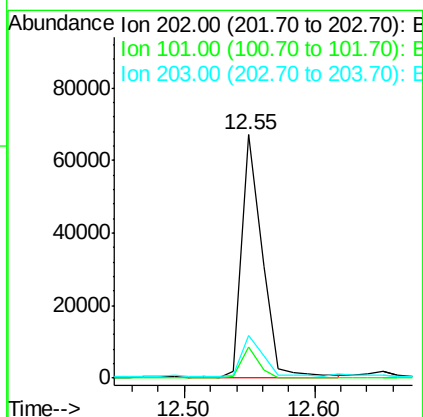
Manual Integrations
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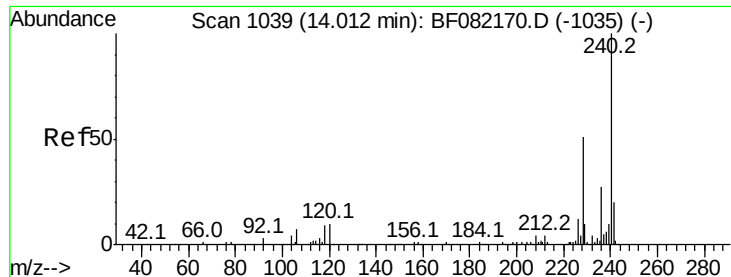
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#74
Fluoranthene
Concen: 5.41 ng
RT: 12.55 min Scan# 911
Delta R.T. -0.03 min
Lab File: BF082396.D
Acq: 20 Oct 2015 11:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	29.3
203	17.4	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1040

Delta R.T. 0.01 min

Lab File: BF082396.D

Acq: 20 Oct 2015 11:43

Instrument :

BNA_F

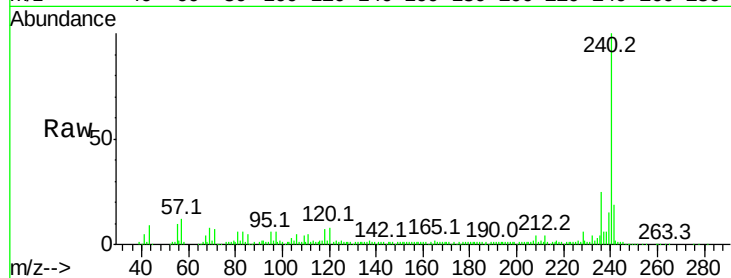
ClientSampleId :

IM-MLA-1.5-05RE

Tot Ion:	240	Resp:	210923
Ion Ratio	Lower	Upper	
240	100		
120	7.6	8.1	12.1#
236	25.2	21.3	31.9

Manual Integrations
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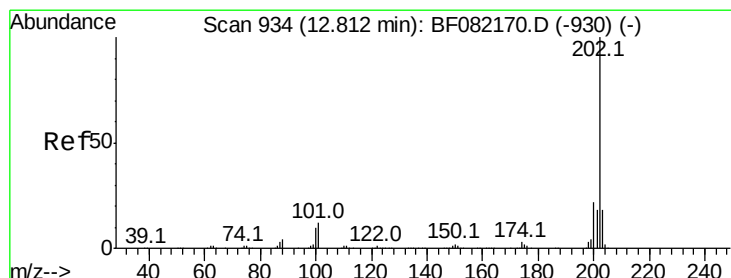
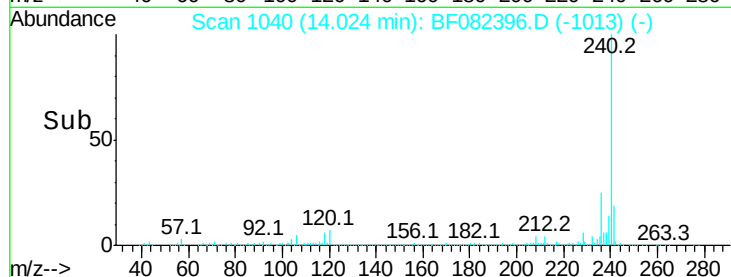
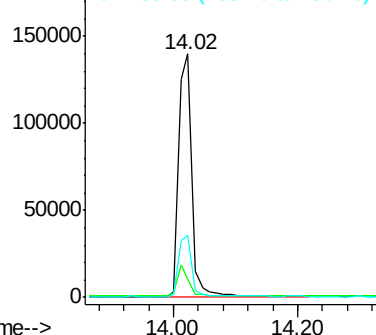
MMdadoda
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 5.55 ng

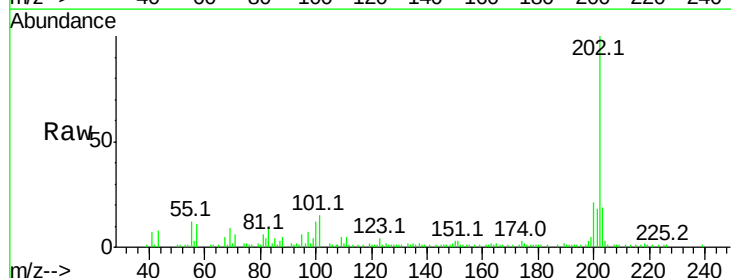
RT: 12.78 min Scan# 931

Delta R.T. -0.03 min

Lab File: BF082396.D

Acq: 20 Oct 2015 11:43

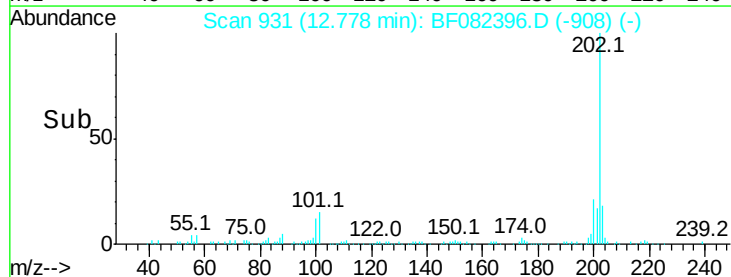
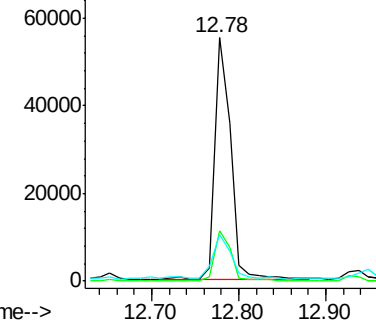
Tgt Ion:	202	Resp:	69482
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.9	26.9
203	19.1	14.5	21.7

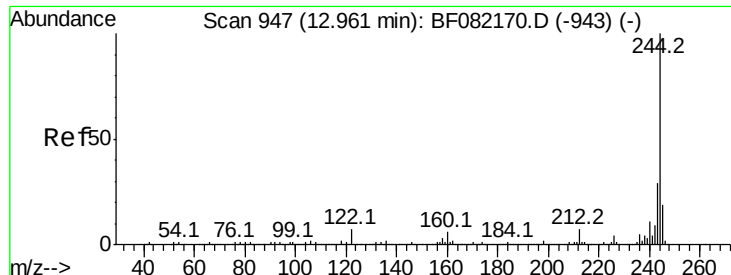


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





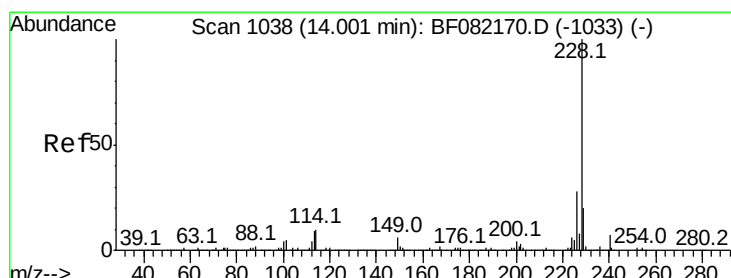
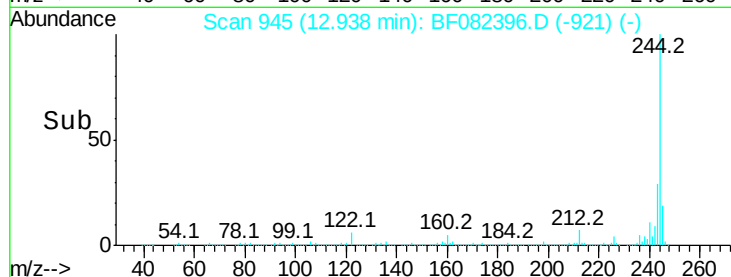
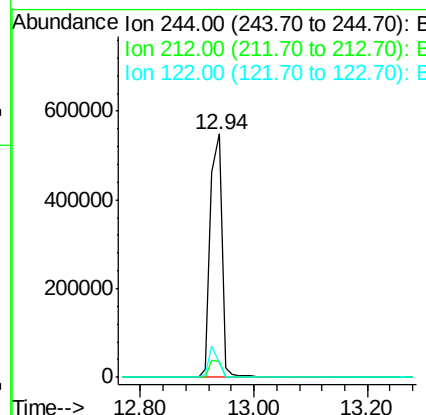
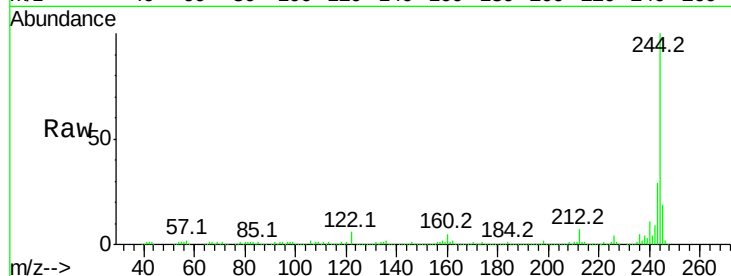
#78
 Terphenyl-d14
 Concen: 93.83 ng
 RT: 12.94 min Scan# 945
 Delta R.T. -0.02 min
 Lab File: BF082396.D
 Acq: 20 Oct 2015 11:43

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-1.5-05RE

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	5.8	8.6
122	5.8	5.9	8.9#

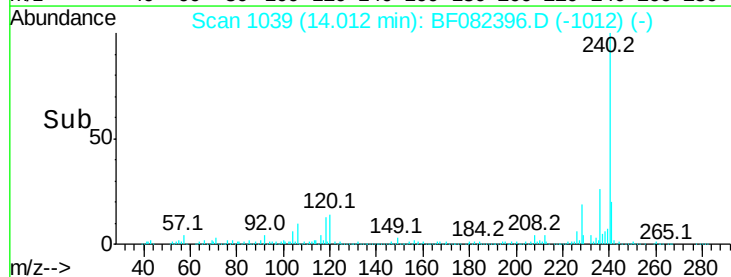
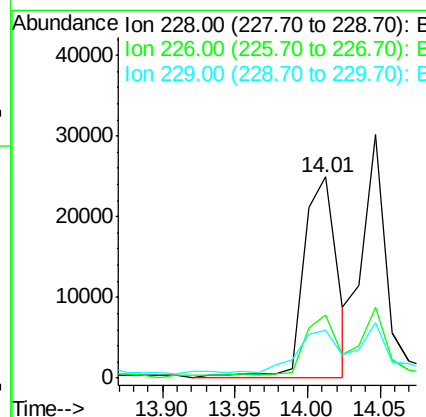
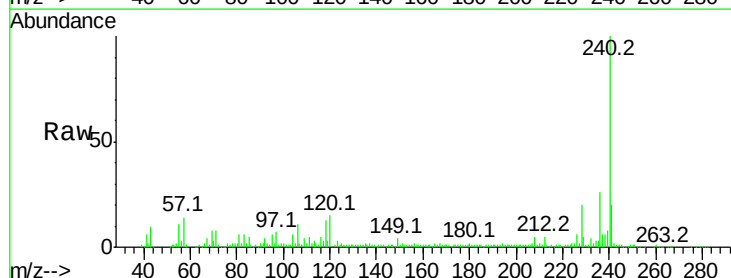
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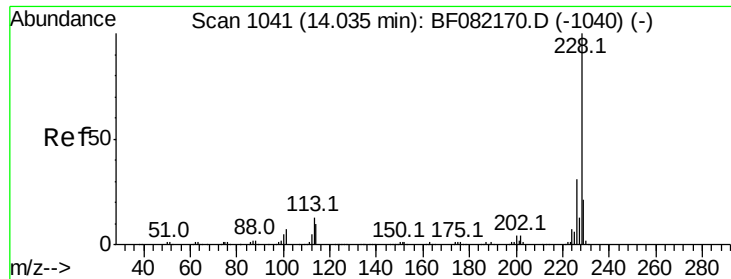
MMdadoda
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#80
 Benzo(a)anthracene
 Concen: 3.63 ng
 RT: 14.01 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: BF082396.D
 Acq: 20 Oct 2015 11:43

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.6	22.3	33.5
229	24.0	16.2	24.2





#82

Chrysene

Concen: 3.07 ng/mL

RT: 14.05 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BF082396.D

Acq: 20 Oct 2015 11:43

Instrument :

BNA_F

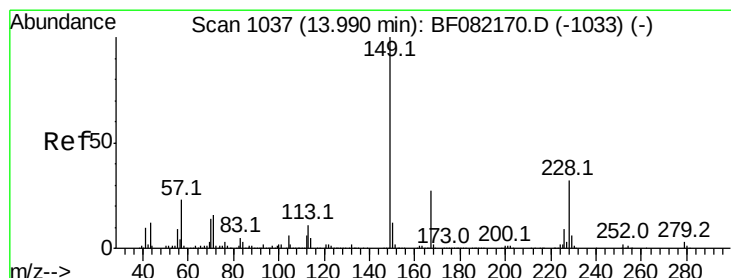
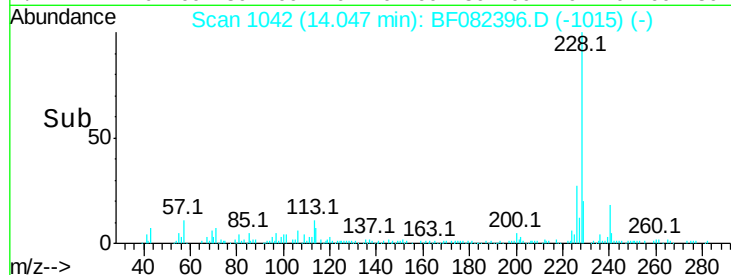
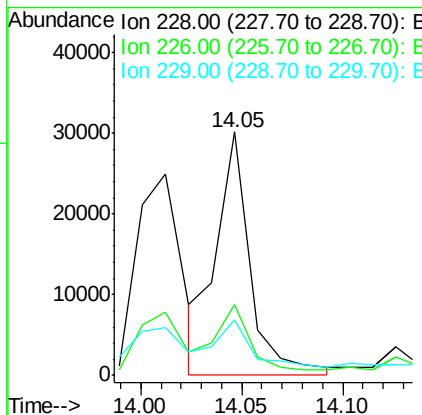
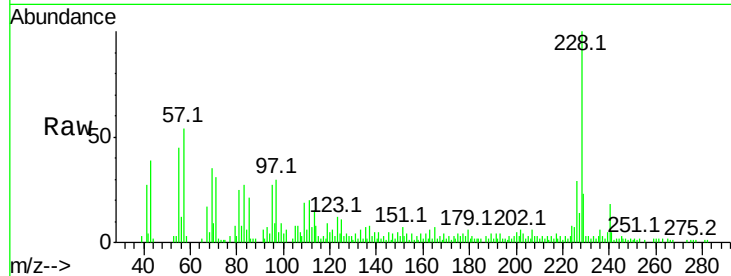
ClientSampleId :

IM-MLA-1.5-05RE

Tot Ion:	228	Resp:	35506
Ion Ratio	Lower	Upper	
228	100		
226	29.2	24.4	36.6
229	23.0	16.3	24.5

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#83

Bis(2-ethylhexyl)phthalate

Concen: 3.82 ng/mL

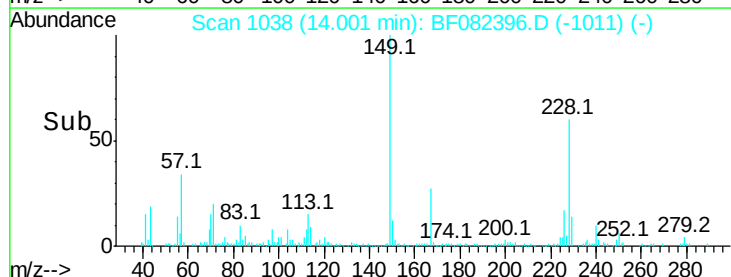
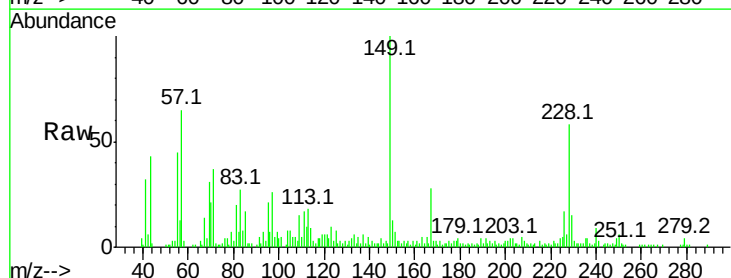
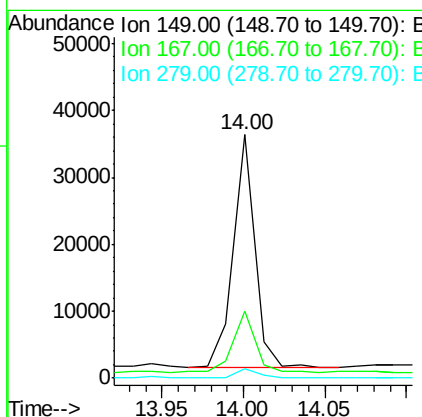
RT: 14.00 min Scan# 1038

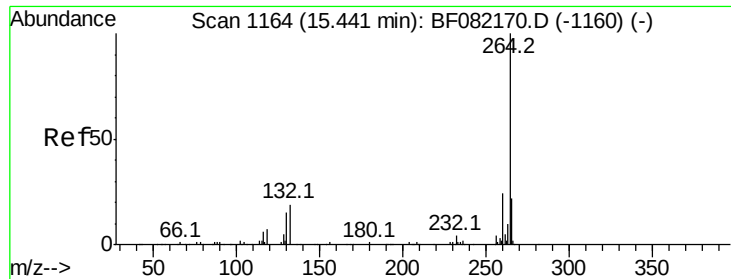
Delta R.T. 0.01 min

Lab File: BF082396.D

Acq: 20 Oct 2015 11:43

Tgt Ion:	149	Resp:	31124
Ion Ratio	Lower	Upper	
149	100		
167	27.7	21.3	31.9
279	3.7	2.6	4.0





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.54 min Scan# 1173

Delta R.T. 0.10 min

Lab File: BF082396.D

Acq: 20 Oct 2015 11:43

Instrument :

BNA_F

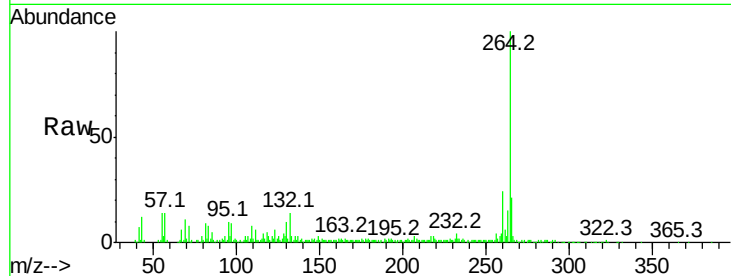
ClientSampleId :

IM-MLA-1.5-05RE

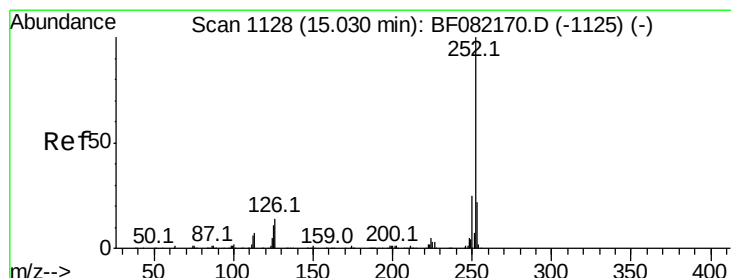
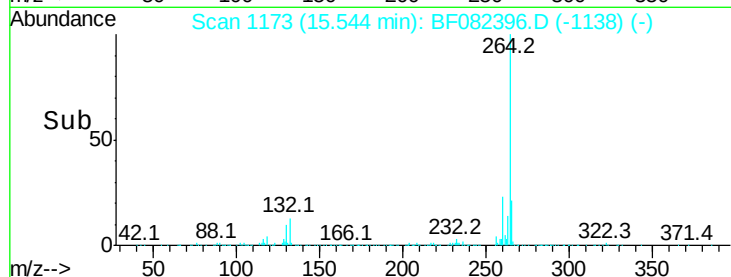
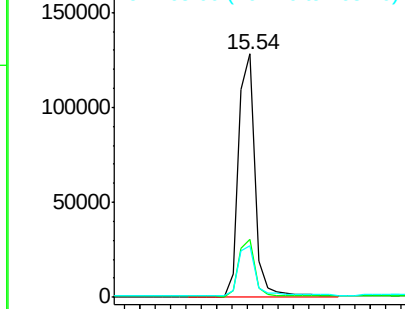
Tot Ion:	264	Resp:	192749
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.0	28.6
265	21.3	17.3	25.9

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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



#87

Benzo(b)fluoranthene

Concen: 3.48 ng m

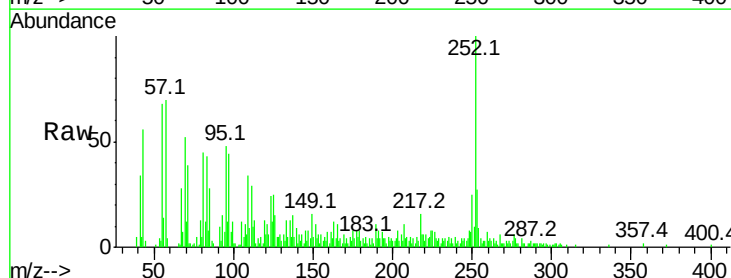
RT: 15.12 min Scan# 1136

Delta R.T. 0.09 min

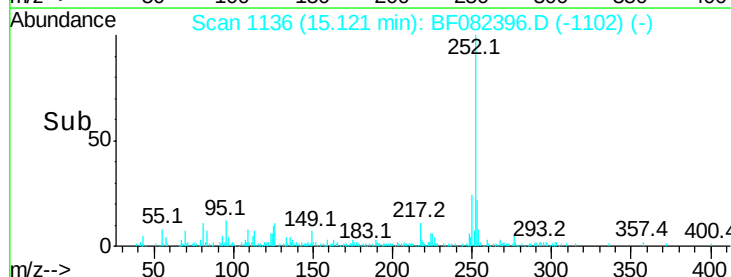
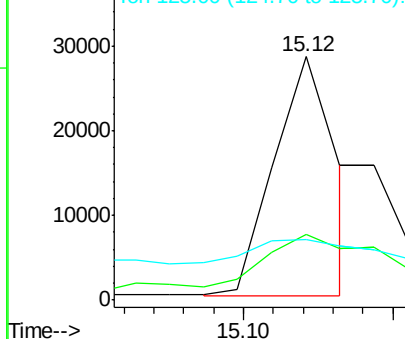
Lab File: BF082396.D

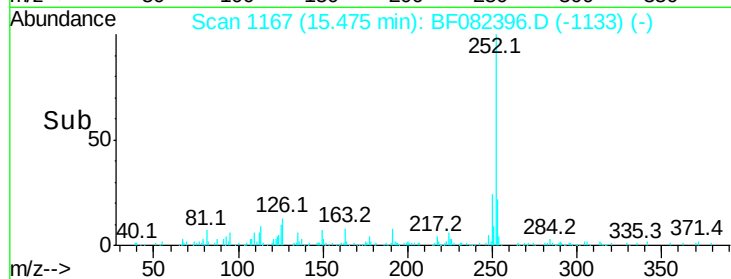
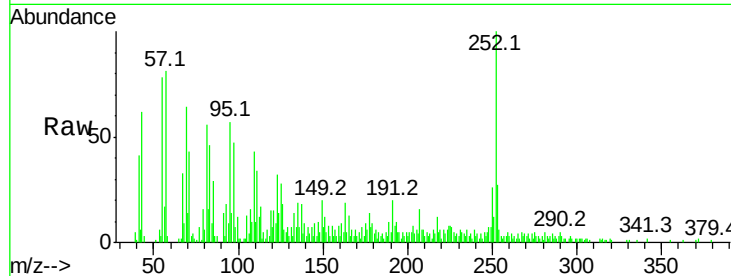
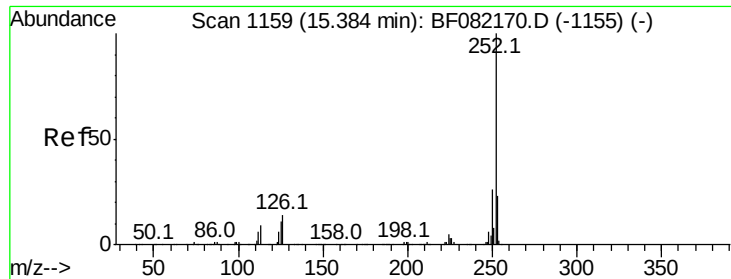
Acq: 20 Oct 2015 11:43

Tgt Ion:	252	Resp:	40801
Ion Ratio	Lower	Upper	
252	100		
253	27.1	18.0	27.0#
125	24.9	8.6	12.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.00 ng

RT: 15.48 min Scan# 1167

Delta R.T. 0.09 min

Lab File: BF082396.D

Acq: 20 Oct 2015 11:43

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.4	18.2	27.2#
125	28.2	8.9	13.3#

Instrument :

BNA_F

ClientSampleId :

IM-MLA-1.5-05RE

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