

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082323.D
 Acq On : 16 Oct 2015 13:54
 Operator : UM/IZ
 Sample : G4017-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-10

Manual Integrations
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MMdadoda
 10/19/2015 5:32:05 PM

Quant Time: Oct 17 05:02:53 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 17 01:08:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	75233m	20.00	ng	0.02
21) Naphthalene-d8	8.14	136	339897	20.00	ng	0.01
38) Acenaphthene-d10	9.90	164	186035	20.00	ng	0.01
63) Phenanthrene-d10	11.38	188	348277	20.00	ng	0.01
75) Chrysene-d12	14.12	240	309887	20.00	ng	0.05
86) Perylene-d12	15.72	264	234548	20.00	ng	0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	142263	38.16	ng	0.02
7) Phenol-d6	6.49	99	118205	24.37	ng	0.01
23) Nitrobenzene-d5	7.43	82	407263	80.46	ng	0.01
41) 2,4,6-Tribromophenol	10.69	330	135134	77.46	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	932808	83.15	ng	0.01
78) Terphenyl-d14	13.00	244	1041865	89.09	ng	0.03
Target Compounds						
9) Benzaldehyde	6.40	77	8017m	3.24	ng	Qvalue
10) Phenol	6.50	94	96004	17.17	ng	99
20) 3+4-Methylphenols	7.28	107	37368	8.71	ng	# 59
32) Benzoic acid	7.94	122	121989	41.24	ng	98
49) Dimethylphthalate	9.61	163	54025	4.12	ng	99

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

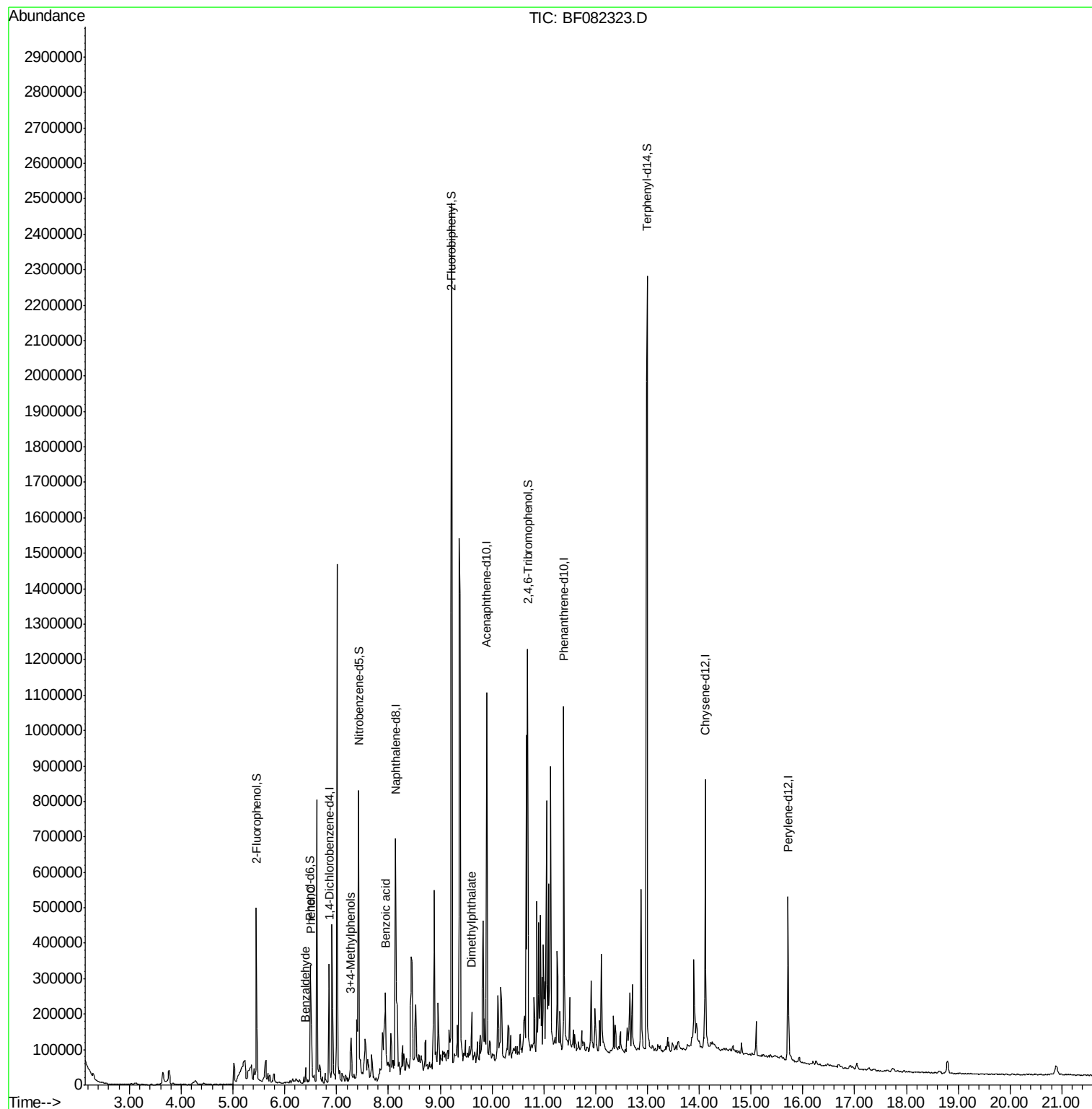
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082323.D
Acq On : 16 Oct 2015 13:54
Operator : UM/IZ
Sample : G4017-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

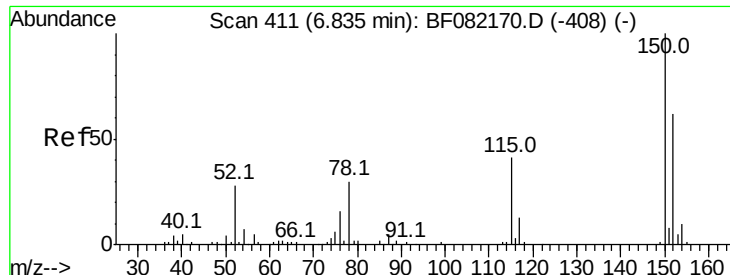
Instrument :
BNA_F
ClientSampleId :
TEC-10

Quant Time: Oct 17 05:02:53 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 17 01:08:23 2015
Response via : Initial Calibration

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#1

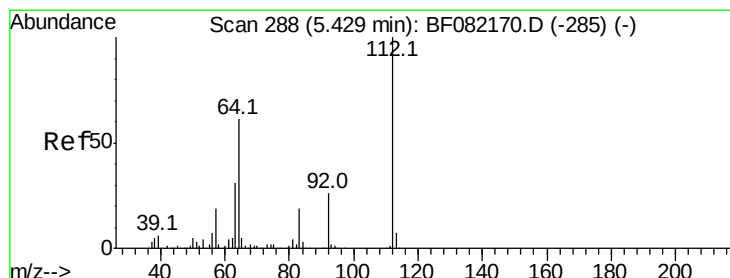
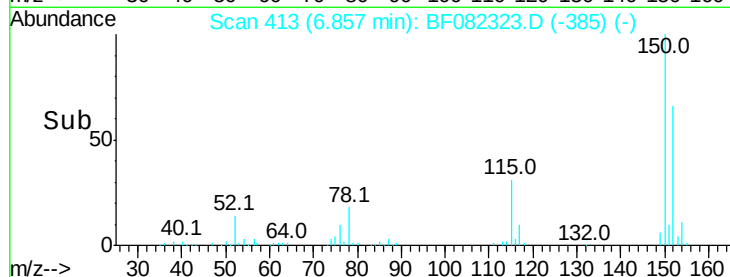
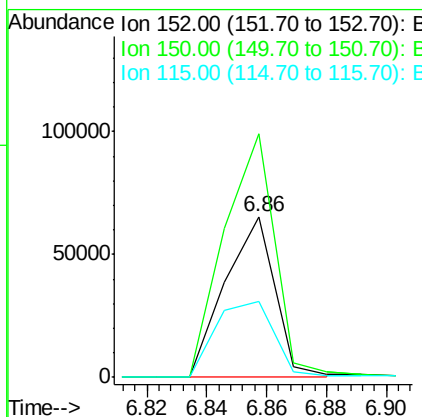
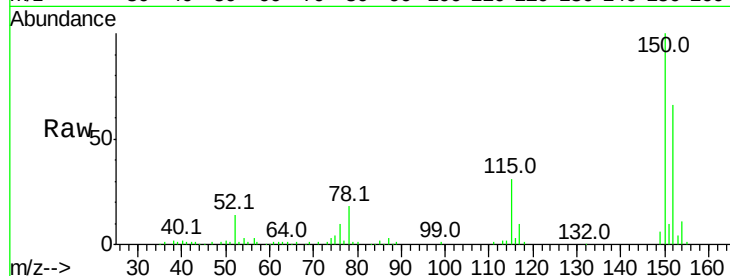
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/ml
RT: 6.86 min Scan# 413
Delta R.T. 0.02 min
Lab File: BF082323.D
Acq: 16 Oct 2015 13:54

Instrument :
BNA_F
ClientSampleId :
TEC-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	129.0	193.4
115	47.3	52.1	78.1

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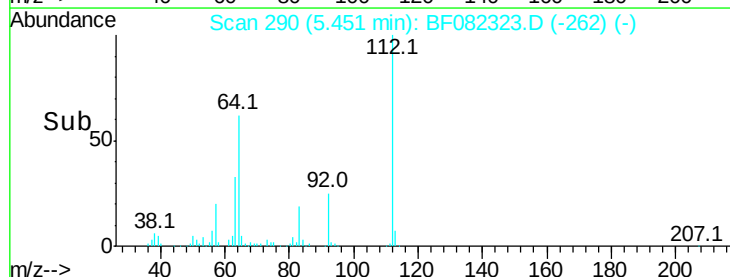
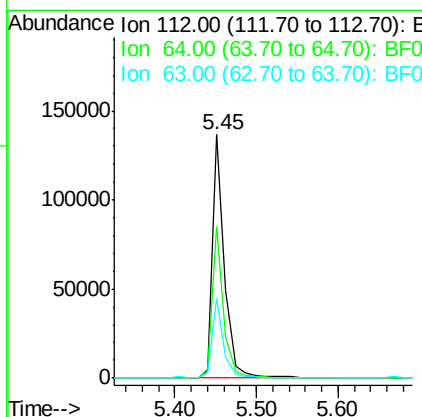
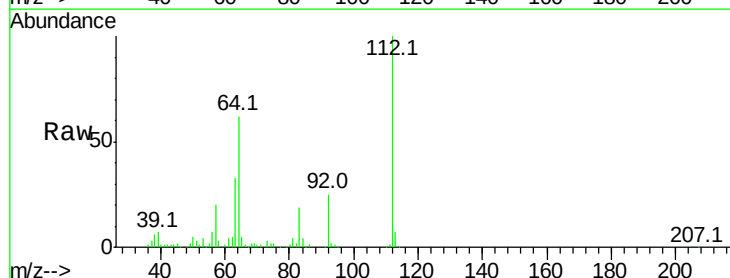
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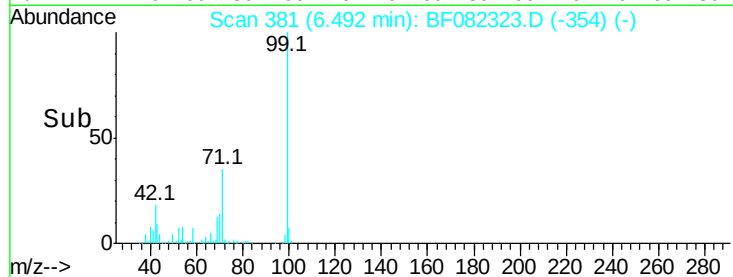
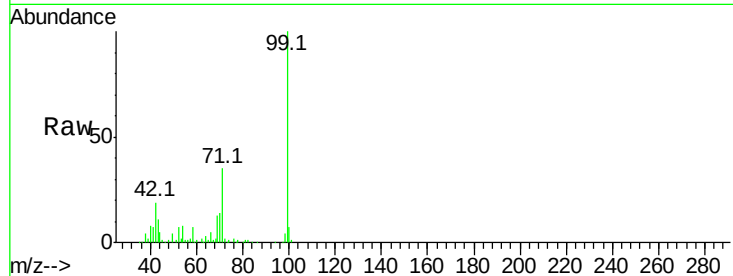
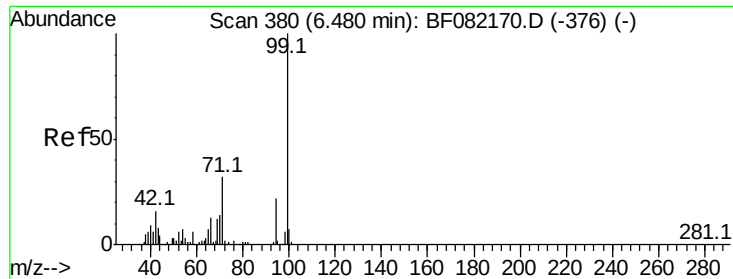


#5

2-Fluorophenol
Concen: 38.16 ng
RT: 5.45 min Scan# 290
Delta R.T. 0.02 min
Lab File: BF082323.D
Acq: 16 Oct 2015 13:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	48.6	73.0
63	32.8	25.1	37.7





#7

Phenol-d6

Concen: 24.37 ng

RT: 6.49 min Scan# 381

Delta R.T. 0.01 min

Lab File: BF082323.D

Acq: 16 Oct 2015 13:54

Instrument :

BNA_F

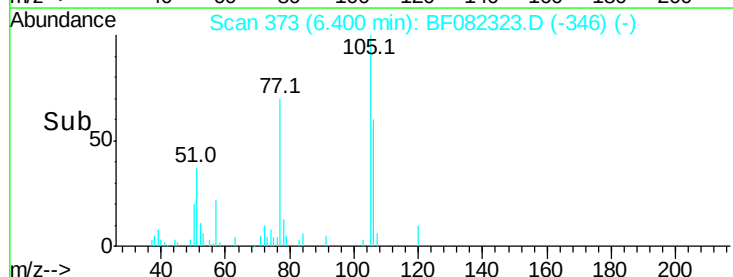
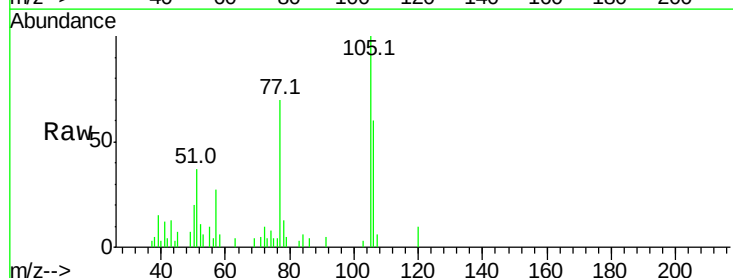
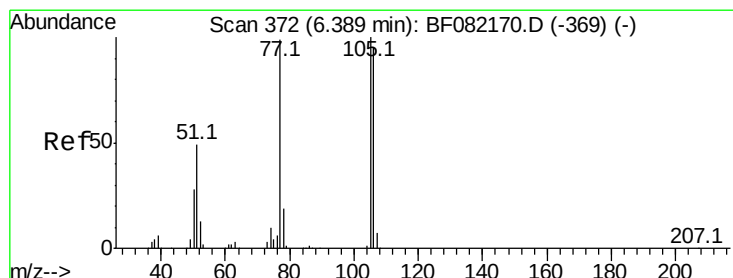
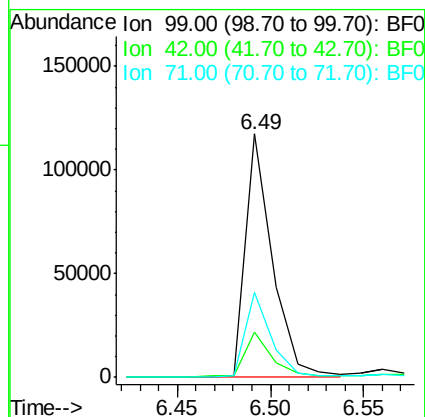
ClientSampleId :

TEC-10

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Tot Ion	99	Resp	118205
Ion Ratio	Lower	Upper	
99	100		
42	18.7	13.2	19.8
71	34.9	25.6	38.4



#9

Benzaldehyde

Concen: 3.24 ng m

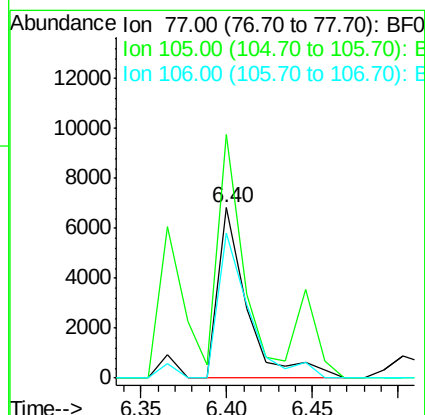
RT: 6.40 min Scan# 373

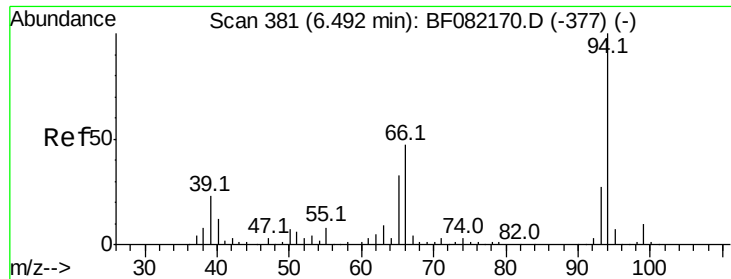
Delta R.T. 0.01 min

Lab File: BF082323.D

Acq: 16 Oct 2015 13:54

Tgt Ion	77	Resp	8017
Ion Ratio	Lower	Upper	
77	100		
105	142.9	80.6	120.6#
106	85.5	75.5	115.5





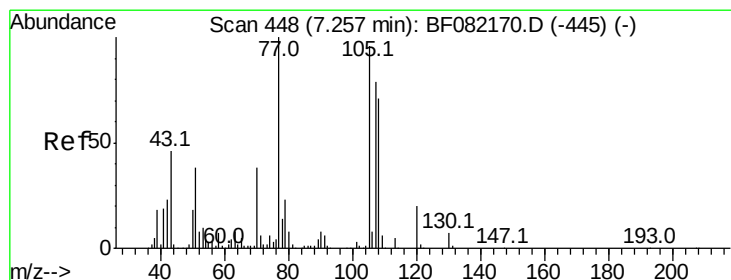
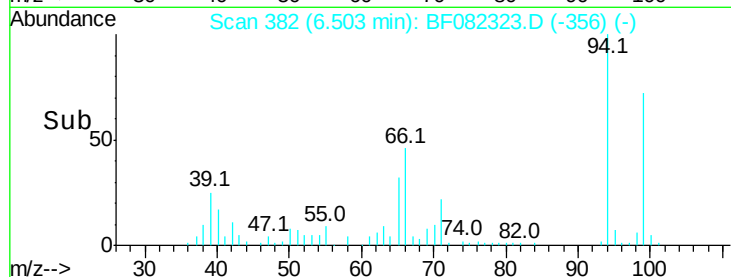
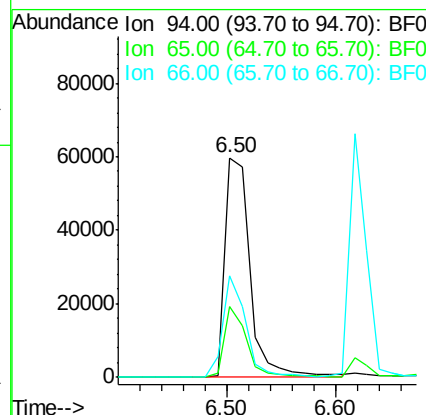
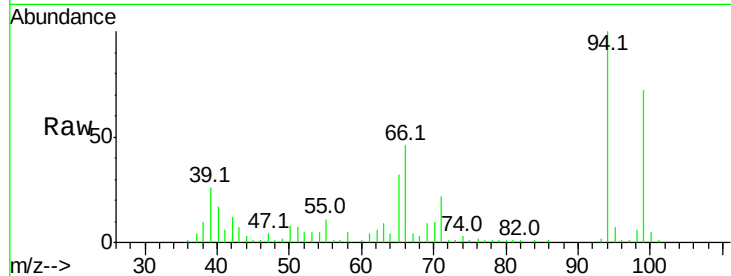
#10
Phenol
Concen: 17.17 ng
RT: 6.50 min Scan# 382
Delta R.T. -0.00 min
Lab File: BF082323.D
Acq: 16 Oct 2015 13:54

Instrument :
BNA_F
ClientSampleId :
TEC-10

Tot Ion	Ratio	Lower	Upper
94	100		
65	32.3	12.6	52.6
66	45.9	27.3	67.3

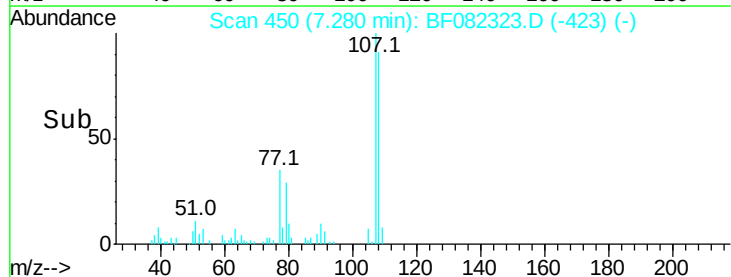
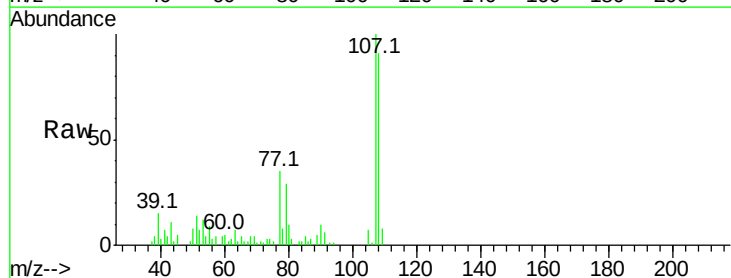
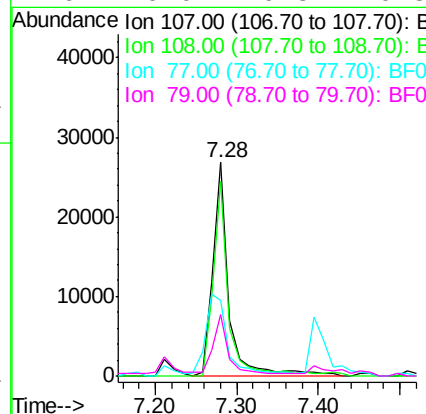
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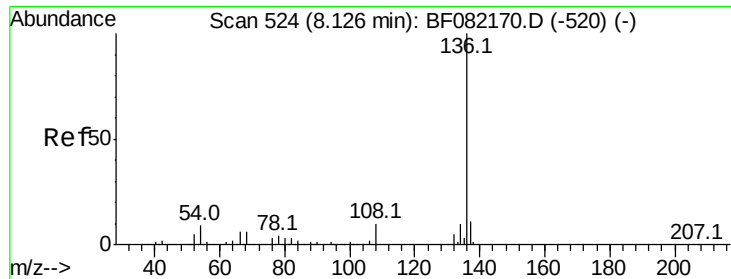
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#20
3+4-Methylphenols
Concen: 8.71 ng
RT: 7.28 min Scan# 450
Delta R.T. 0.01 min
Lab File: BF082323.D
Acq: 16 Oct 2015 13:54

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.2	69.9	109.9
77	35.1	106.0	146.0#
79	29.0	9.8	49.8





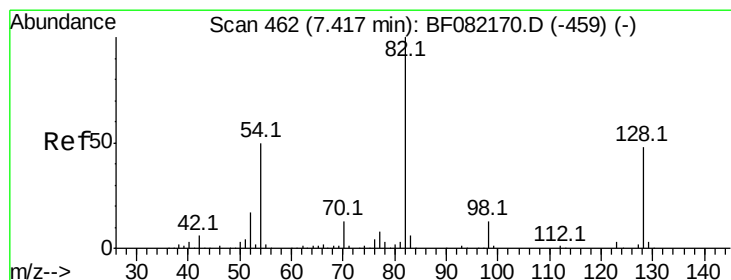
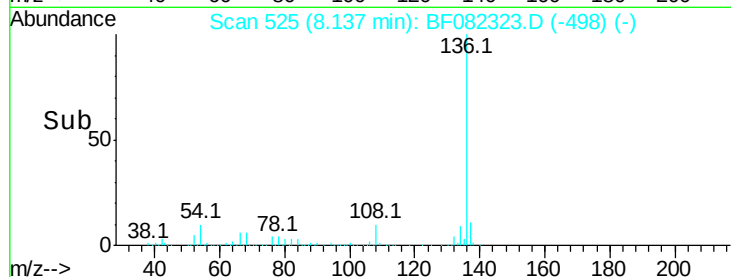
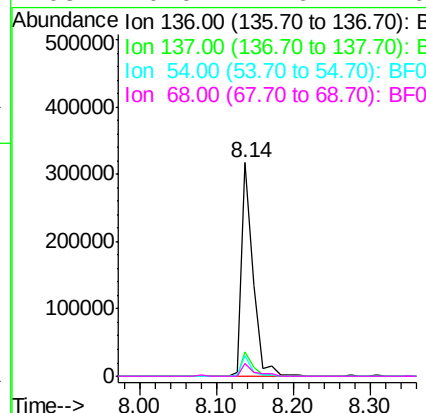
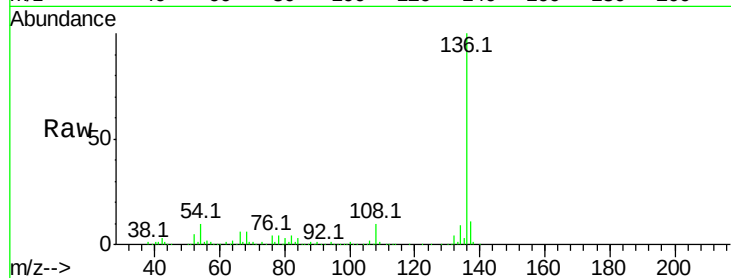
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 525
Delta R.T. 0.01 min
Lab File: BF082323.D
Acq: 16 Oct 2015 13:54

Instrument :
BNA_F
ClientSampled :
TEC-10

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	11.1	9.0	13.6		
54	9.7	7.5	11.3		
68	6.0	4.6	7.0		

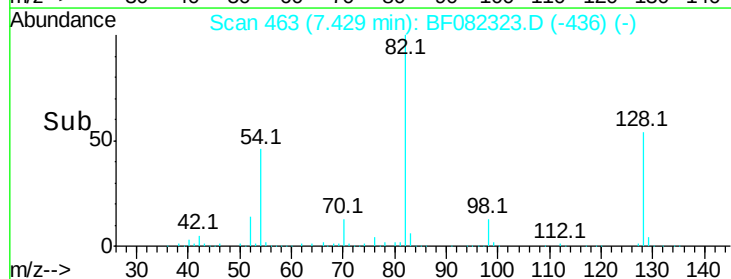
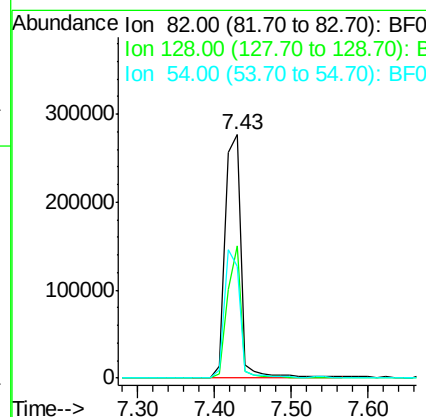
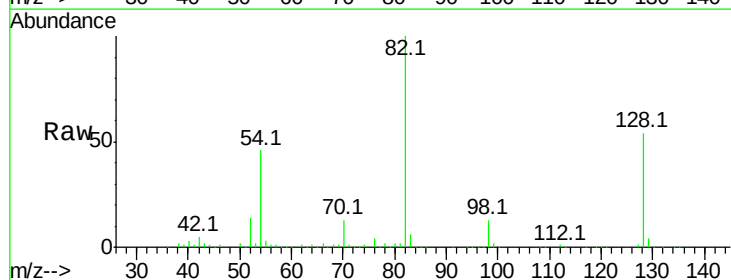
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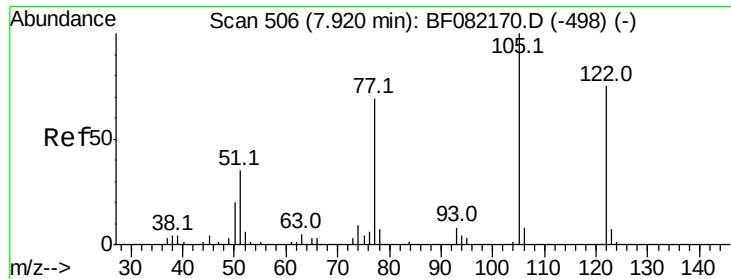
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#23
Nitrobenzene-d5
Concen: 80.46 ng
RT: 7.43 min Scan# 463
Delta R.T. 0.01 min
Lab File: BF082323.D
Acq: 16 Oct 2015 13:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	54.5	38.7	58.1		
54	45.9	40.1	60.1		





#32

Benzoic acid

Concen: 41.24 ng

RT: 7.94 min Scan# 508

Delta R.T. 0.01 min

Lab File: BF082323.D

Acq: 16 Oct 2015 13:54

Instrument :

BNA_F

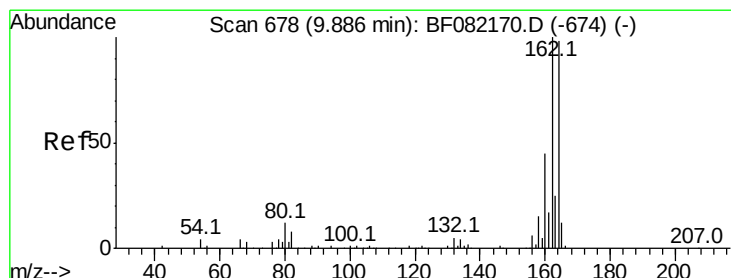
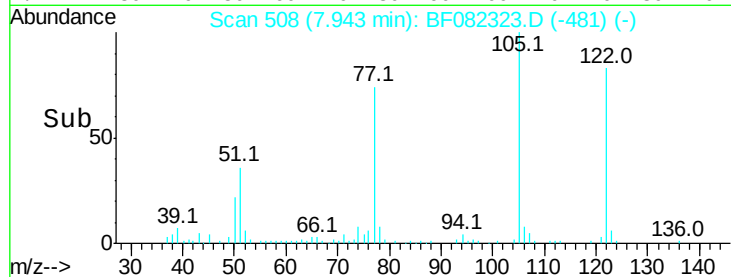
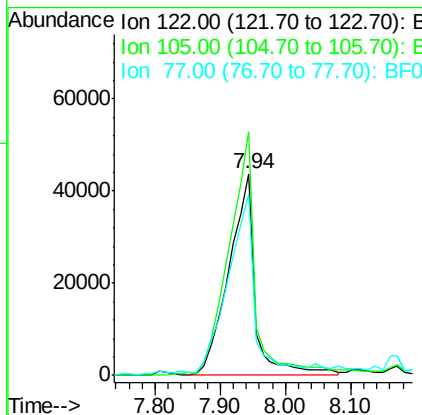
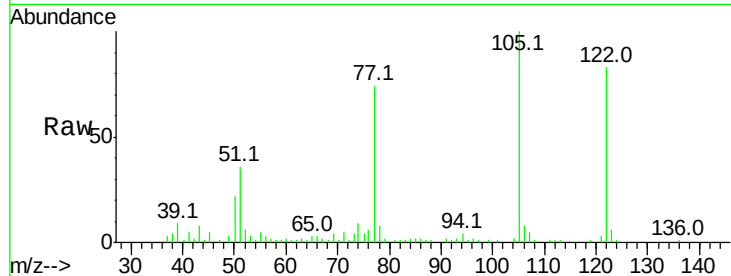
ClientSampleId :

TEC-10

Tot Ion:	122	Resp:	121989
Ion Ratio	Lower	Upper	
122	100		
105	120.6	104.4	144.4
77	89.5	69.0	109.0

Manual Integrations
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#38

Acenaphthene-d10

Concen: 20.00 ng

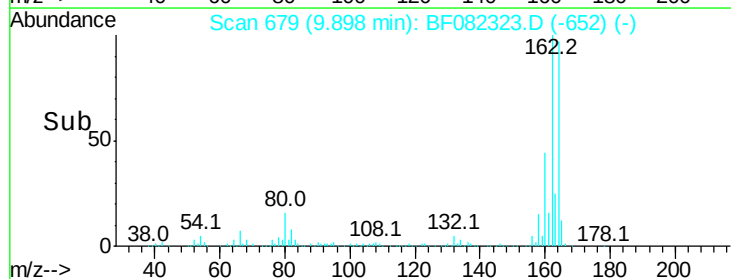
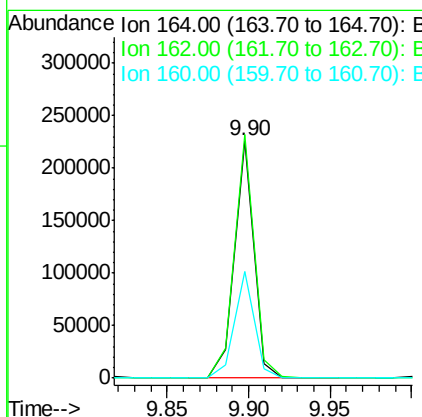
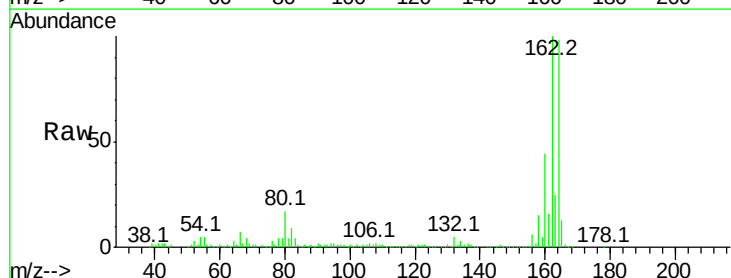
RT: 9.90 min Scan# 679

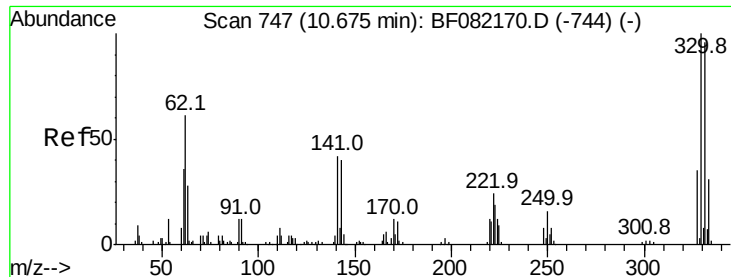
Delta R.T. 0.01 min

Lab File: BF082323.D

Acq: 16 Oct 2015 13:54

Tgt Ion:	164	Resp:	186035
Ion Ratio	Lower	Upper	
164	100		
162	102.4	81.6	122.4
160	45.0	36.4	54.6





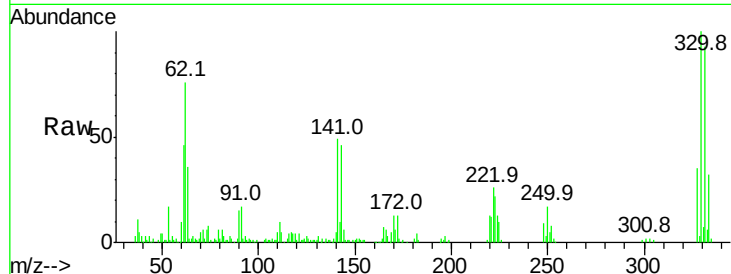
#41
 2,4,6-Tribromophenol
 Concen: 77.46 ng
 RT: 10.69 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF082323.D
 Acq: 16 Oct 2015 13:54

Instrument :
 BNA_F
 ClientSampleId :
 TEC-10

Tot Ion	Ratio	Resp	Lower	Upper
330	100	135134		
332	96.4	77.1	115.7	
141	37.6	29.8	44.8	

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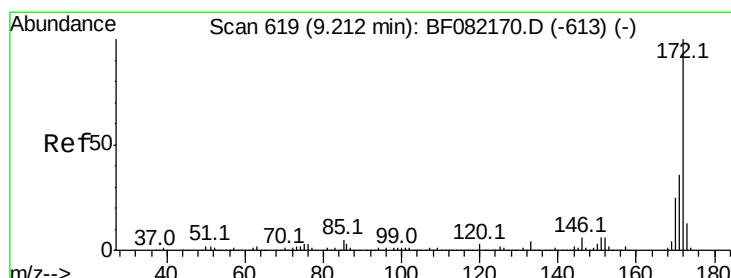
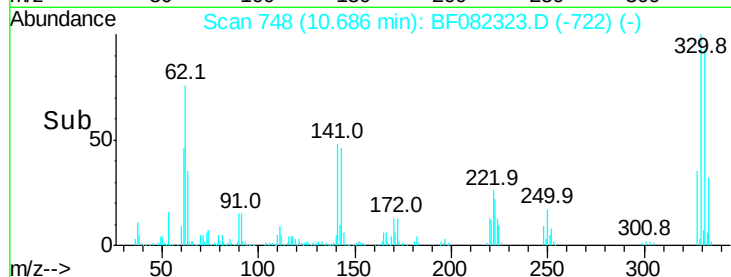
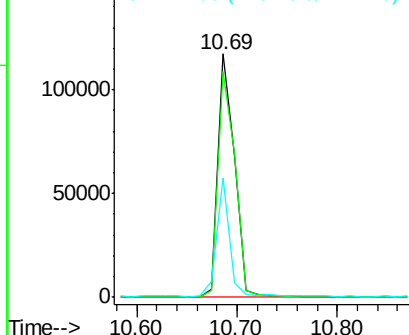


Abundance

Ion 329.80 (329.50 to 330.50): E

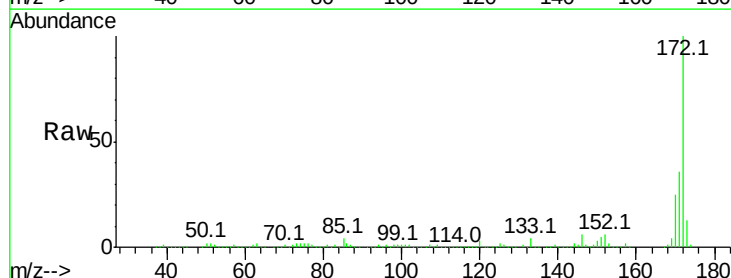
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 83.15 ng
 RT: 9.22 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: BF082323.D
 Acq: 16 Oct 2015 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	932808		
171	36.3	28.6	42.8	
170	24.8	19.7	29.5	

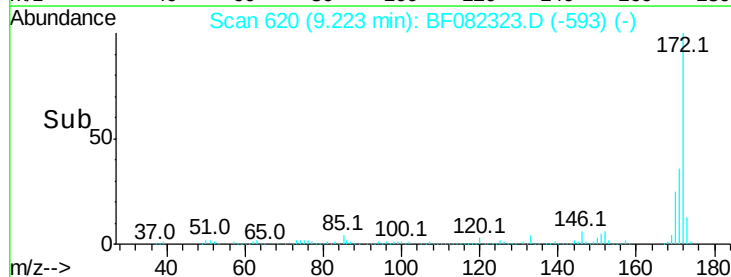
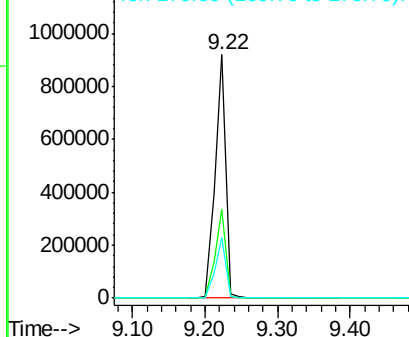


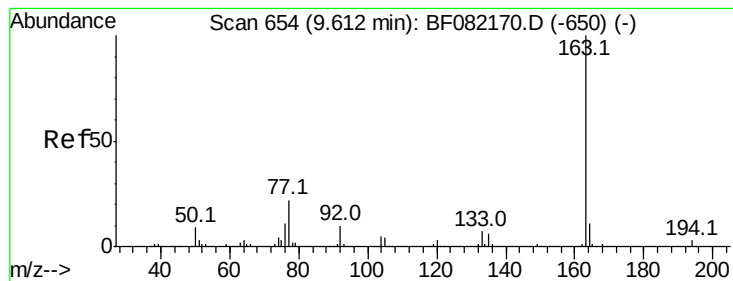
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 4.12 ng

RT: 9.61 min Scan# 654

Delta R.T. -0.00 min

Lab File: BF082323.D

Acq: 16 Oct 2015 13:54

Instrument :

BNA_F

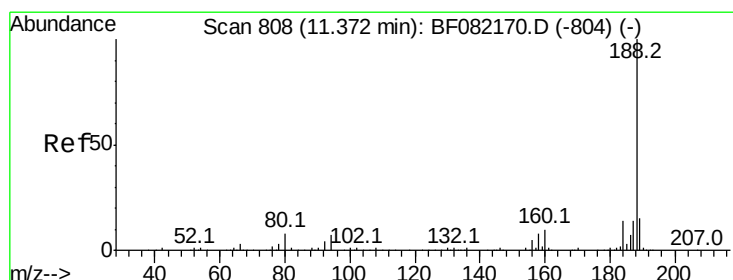
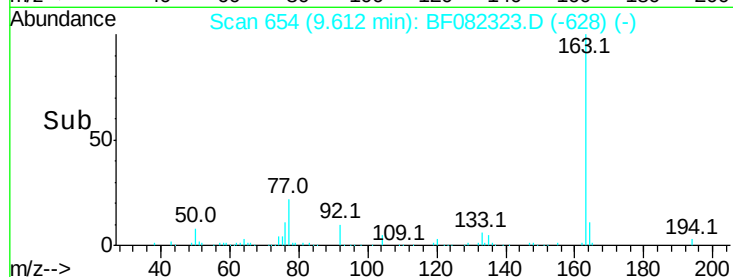
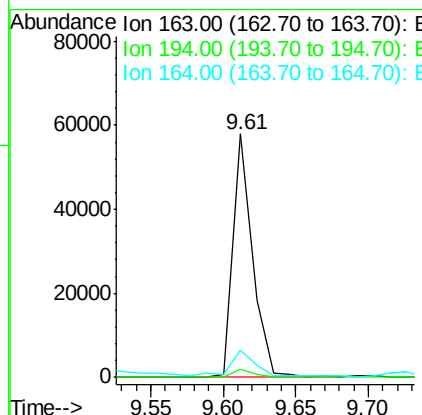
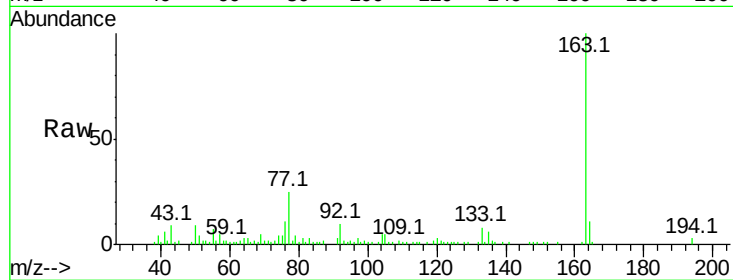
ClientSampleId :

TEC-10

Tot Ion:	163	Resp:	54025
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.6	4.0
164	11.1	8.5	12.7

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

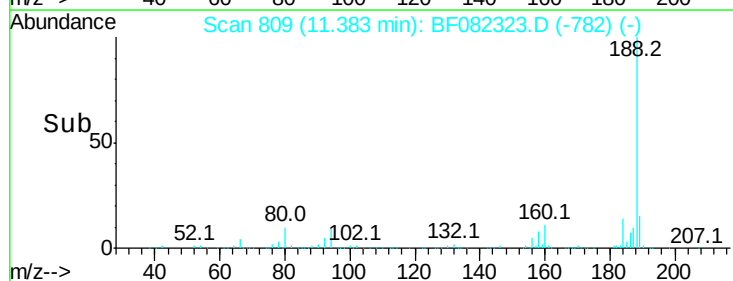
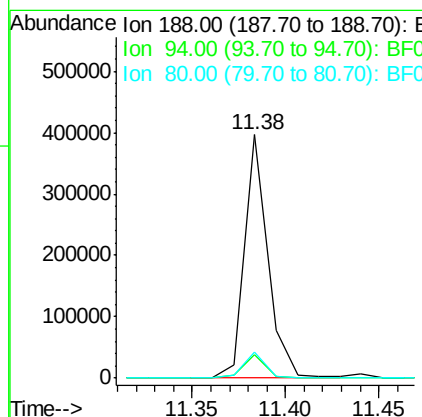
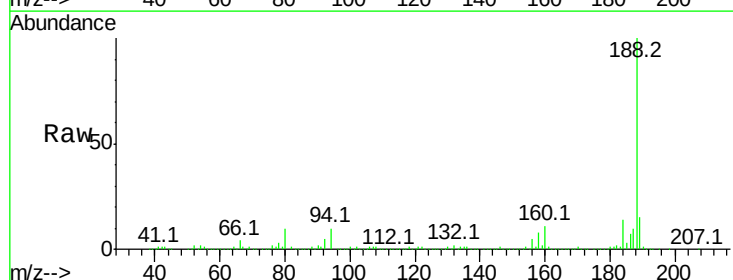
RT: 11.38 min Scan# 809

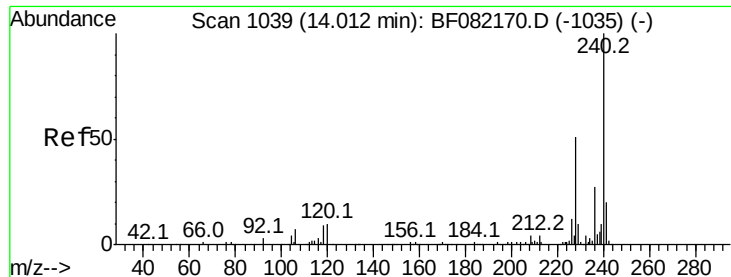
Delta R.T. 0.01 min

Lab File: BF082323.D

Acq: 16 Oct 2015 13:54

Tgt Ion:	188	Resp:	348277
Ion Ratio	Lower	Upper	
188	100		
94	9.6	5.8	8.6#
80	10.4	6.4	9.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 1048

Delta R.T. 0.05 min

Lab File: BF082323.D

Acq: 16 Oct 2015 13:54

Instrument :

BNA_F

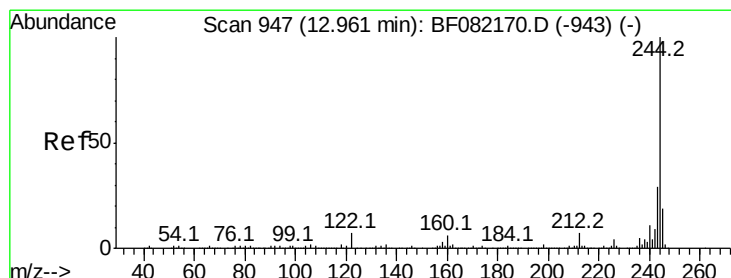
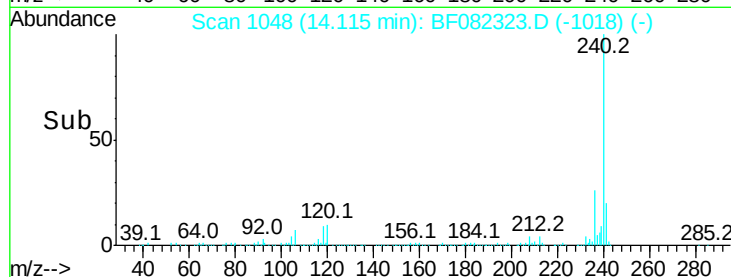
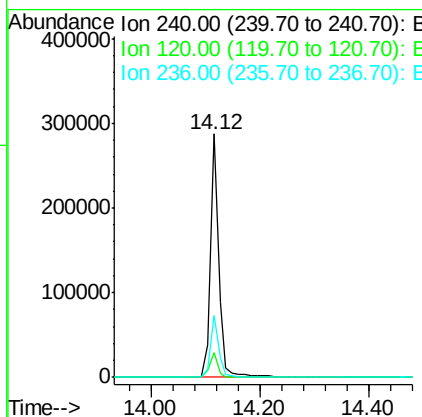
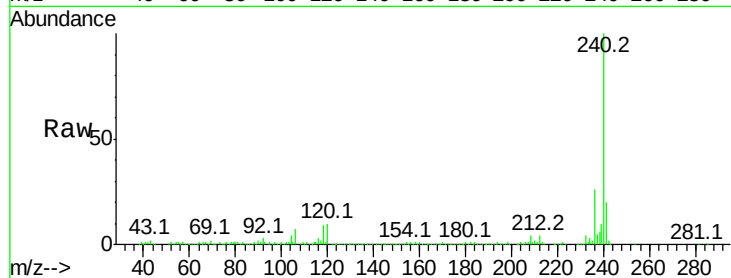
ClientSampleId :

TEC-10

Tot Ion:	240	Resp:	309887
Ion Ratio	Lower	Upper	
240	100		
120	10.3	8.1	12.1
236	25.6	21.3	31.9

Manual Integrations
APPROVED

MMdadoda
10/19/2015 5:32:05 PM



#78

Terphenyl-d14

Concen: 89.09 ng

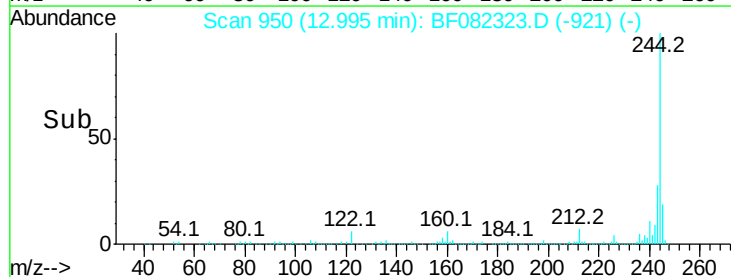
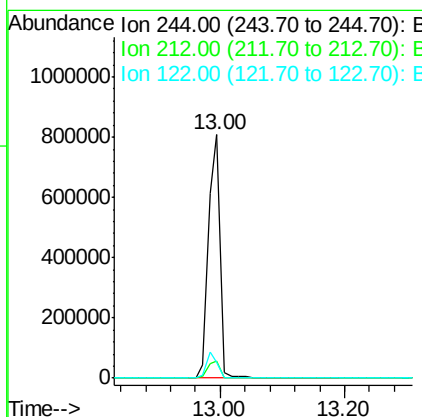
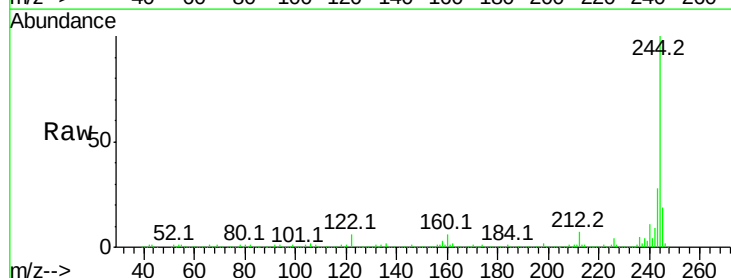
RT: 13.00 min Scan# 950

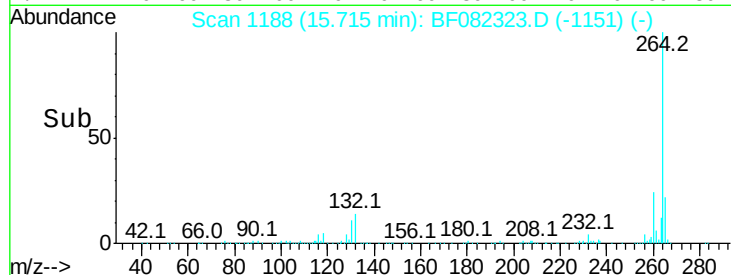
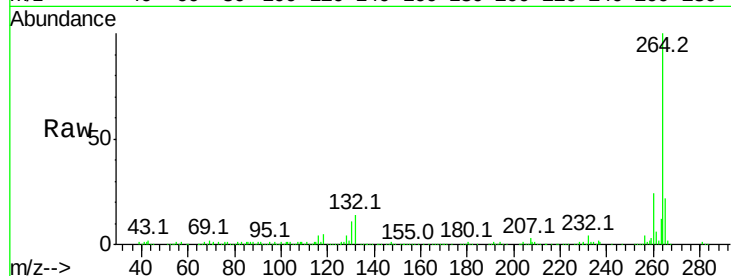
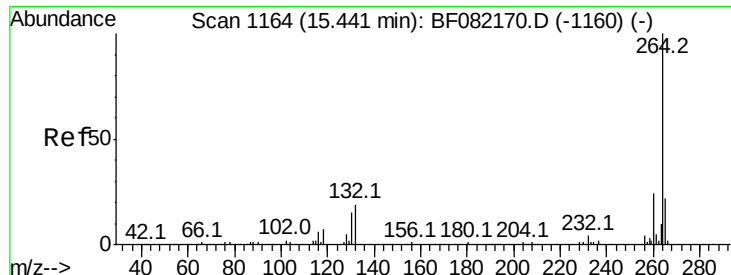
Delta R.T. 0.03 min

Lab File: BF082323.D

Acq: 16 Oct 2015 13:54

Tgt Ion:	244	Resp:	1041865
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.8	8.6
122	6.5	5.9	8.9





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.72 min Scan# 1188
 Delta R.T. 0.13 min
 Lab File: BF082323.D
 Acq: 16 Oct 2015 13:54

Instrument :
 BNA_F
 ClientSampleId :
 TEC-10

Tot Ion:	264	Resp:	234548
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.0	28.6
265	22.1	17.3	25.9

Manual Integrations
 APPROVED

MMdadoda
 10/19/2015 5:32:05 PM

