

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
 Data File : BF096984.D
 Acq On : 24 Jul 2017 11:57
 Operator : SJ/JU
 Sample : I4370-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-N5-NWSW

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:36:10 PM

Quant Time: Jul 24 14:21:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 24 14:10:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	115904	20.00	ng	0.00
21) Naphthalene-d8	7.82	136	491333	20.00	ng	0.00
38) Acenaphthene-d10	9.57	164	191366	20.00	ng	0.00
63) Phenanthrene-d10	11.05	188	329668	20.00	ng	0.00
75) Chrysene-d12	13.67	240	274448	20.00	ng	-0.01
86) Perylene-d12	15.03	264	198181	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	883812	114.65	ng	0.01
7) Phenol-d6	6.22	99	1102644	119.20	ng	0.00
23) Nitrobenzene-d5	7.11	82	707766	89.23	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	200432	122.70	ng	0.00
44) 2-Fluorobiphenyl	8.90	172	885462	73.10	ng	0.00
78) Terphenyl-d14	12.63	244	704656	44.53	ng	0.00
Target Compounds						
11) bis(2-Chloroethyl)ether	6.28	93	49772	6.329	ng	93
12) 1,3-Dichlorobenzene	6.48	146	34686	3.924	ng	96
13) 1,4-Dichlorobenzene	6.56	146	65209	7.284	ng	96
14) 1,2-Dichlorobenzene	6.71	146	130447	16.021	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.83	45	64055m	3.947	ng	
49) Dimethylphthalate	9.30	163	110860	7.694	ng	100
70) Phenanthrene	11.07	178	67499	3.766	ng	97
74) Fluoranthene	12.25	202	116310	6.779	ng	97
77) Pyrene	12.47	202	110801	4.448	ng	98
80) Benzo(a)anthracene	13.66	228	54646	3.196	ng	98
82) Chrysene	13.69	228	49436	2.937	ng	97
85) Indeno(1,2,3-cd)pyrene	16.28	276	23388	4.773	ng	97
87) Benzo(b)fluoranthene	14.66	252	58255m	4.874	ng	
89) Benzo(a)pyrene	14.97	252	38471	3.509	ng	# 92
91) Benzo(a,h,i)perylene	16.65	276	22782	2.109	ng	92

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

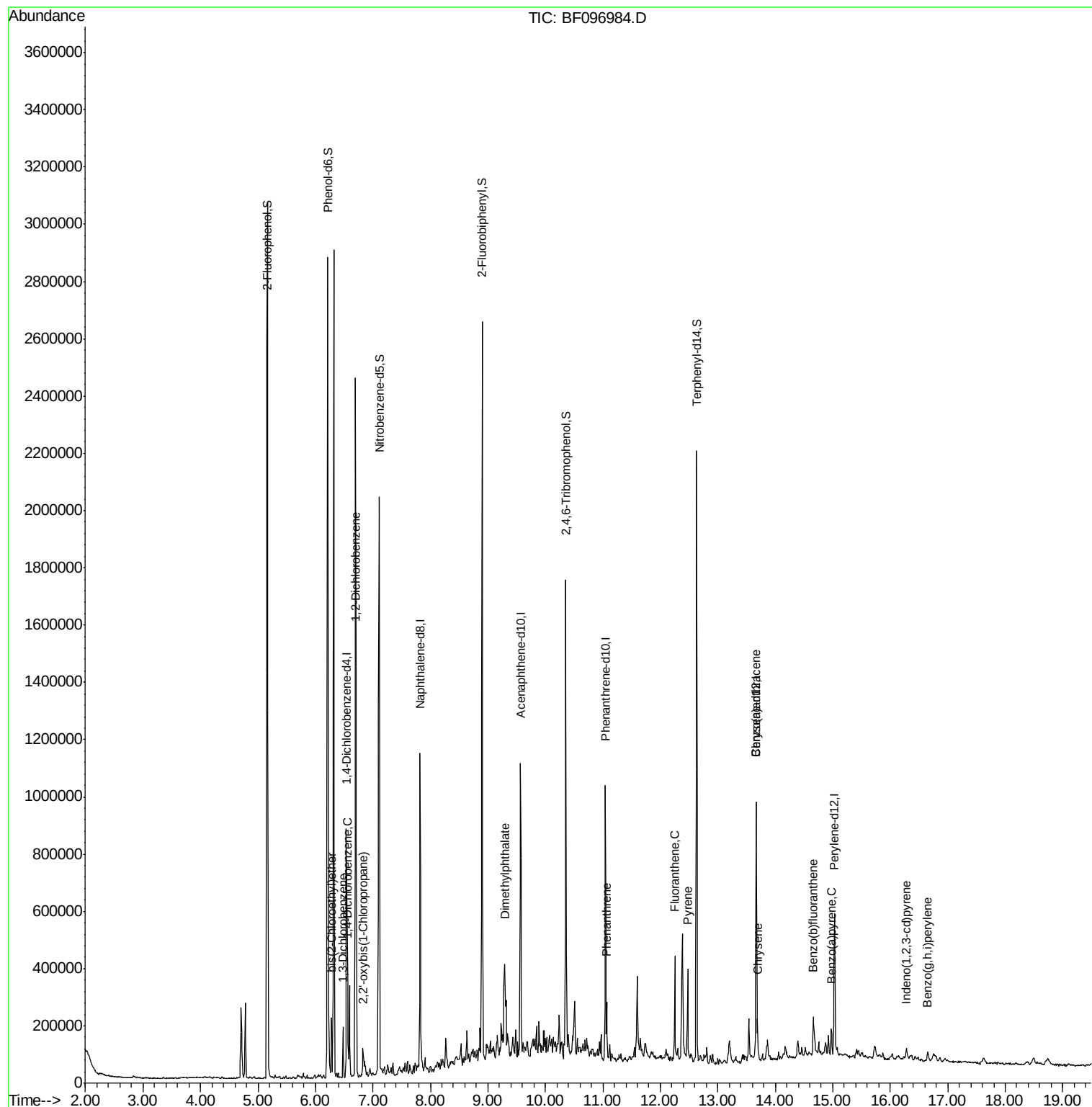
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
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ALS Vial : 3 Sample Multiplier: 1

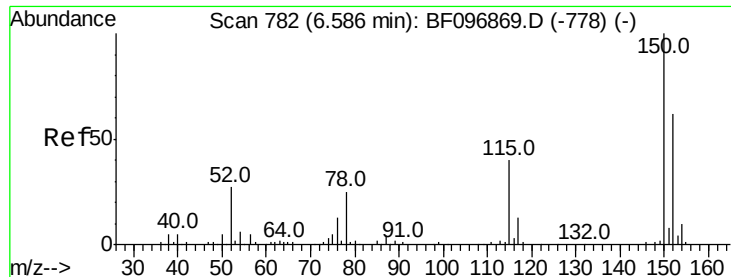
Instrument :
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#1

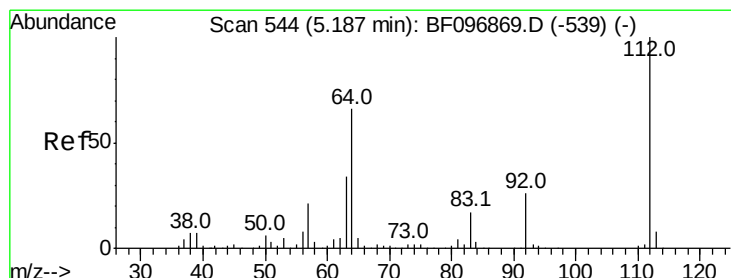
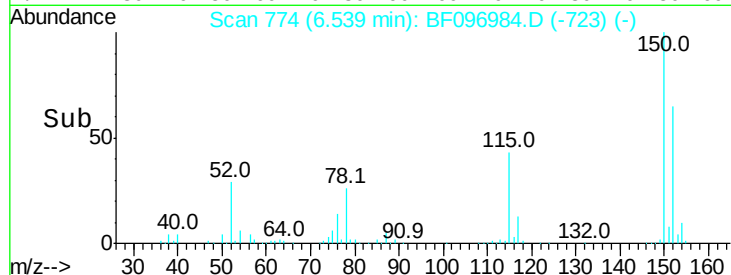
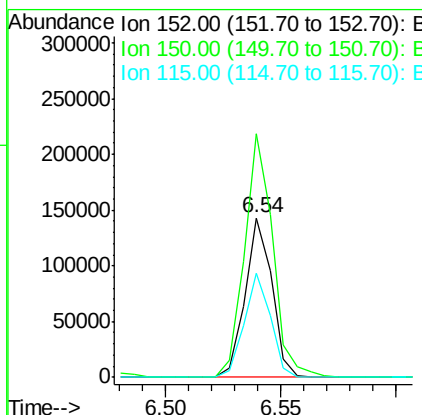
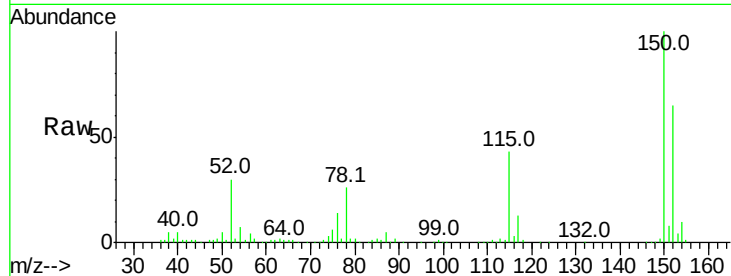
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.54 min Scan# 774
Delta R.T. -0.00 min
Lab File: BF096984.D
Acq: 24 Jul 2017 11:57

Instrument :
BNA_F
ClientSampleId :
E2-N5-NWSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	126.2	189.2
115	65.8	52.2	78.2

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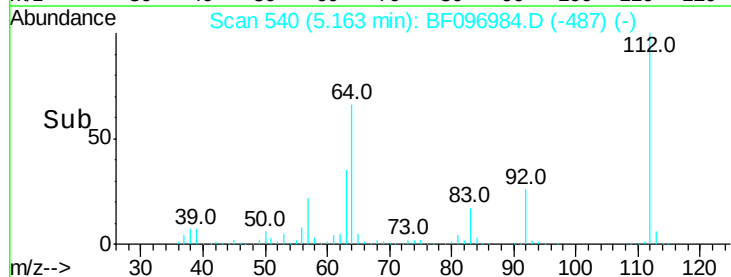
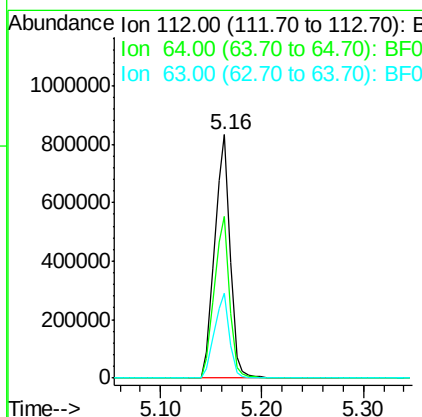
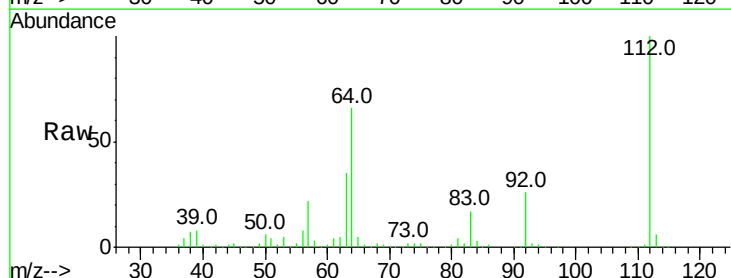
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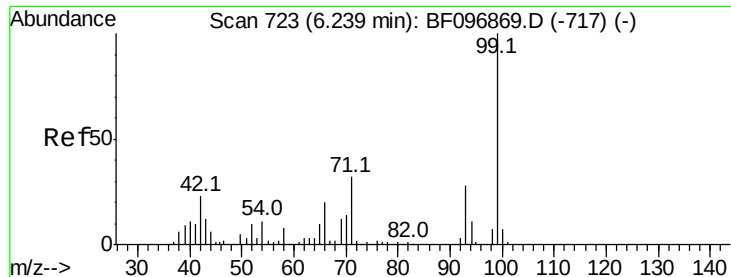


#5

2-Fluorophenol
Concen: 114.654 ng
RT: 5.16 min Scan# 540
Delta R.T. 0.01 min
Lab File: BF096984.D
Acq: 24 Jul 2017 11:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	46.0	69.0
63	34.7	23.4	35.0





#7

Phenol-d6

Concen: 119.199 ng

RT: 6.22 min Scan# 719

Delta R.T. -0.00 min

Lab File: BF096984.D

Acq: 24 Jul 2017 11:57

Instrument :

BNA_F

ClientSampleId :

E2-N5-NWSW

Tot Ion: 99 Resp: 1102644

Ion Ratio Lower Upper

99 100

42 23.5 13.5 20.3#

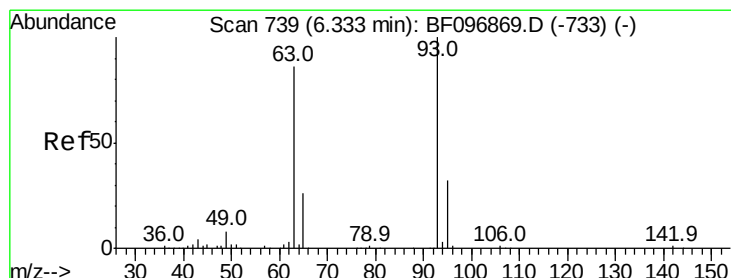
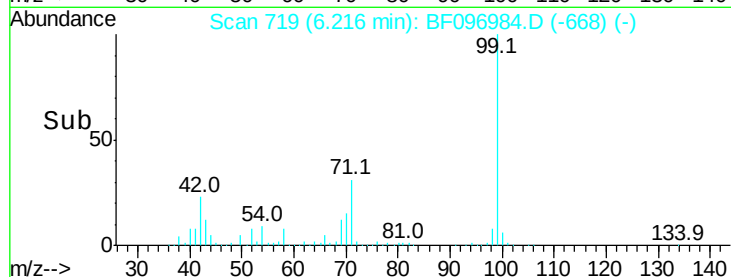
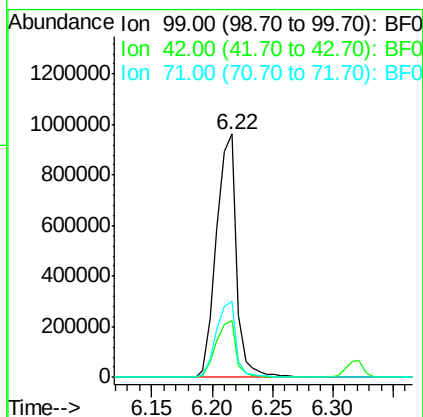
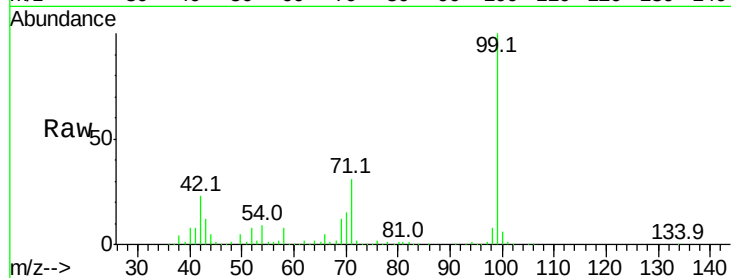
71 31.2 24.5 36.7

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#11

bis(2-Chloroethyl)ether

Concen: 6.329 ng

RT: 6.28 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF096984.D

Acq: 24 Jul 2017 11:57

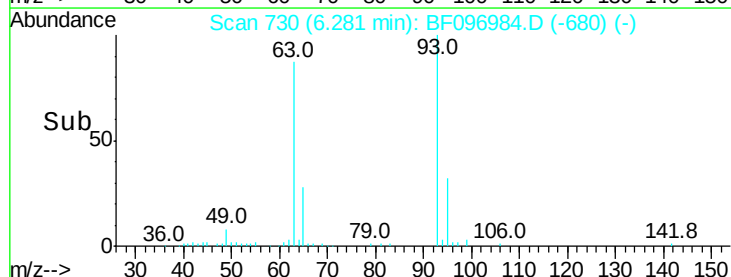
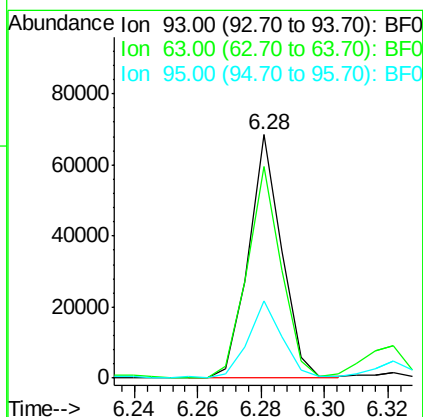
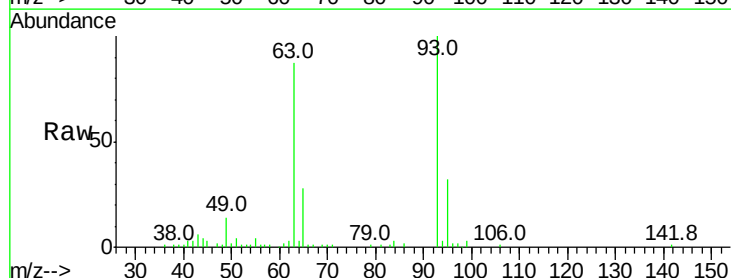
Tgt Ion: 93 Resp: 49772

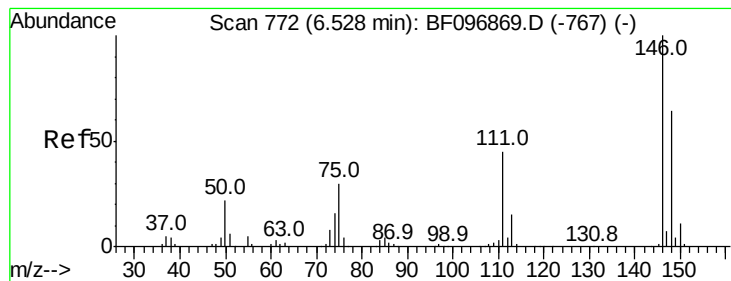
Ion Ratio Lower Upper

93 100

63 87.1 59.2 99.2

95 31.9 12.8 52.8





#12

1,3-Dichlorobenzene

Concen: 3.924 ng

RT: 6.48 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF096984.D

Acq: 24 Jul 2017 11:57

Instrument :

BNA_F

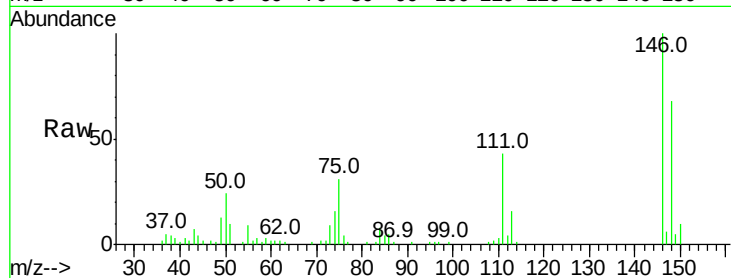
ClientSampleId :

E2-N5-NWSW

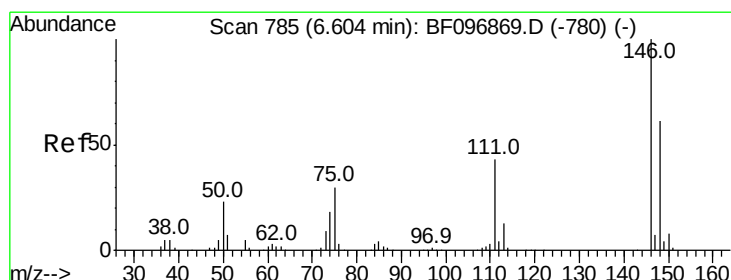
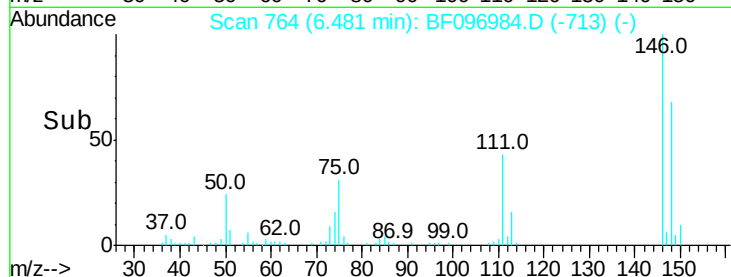
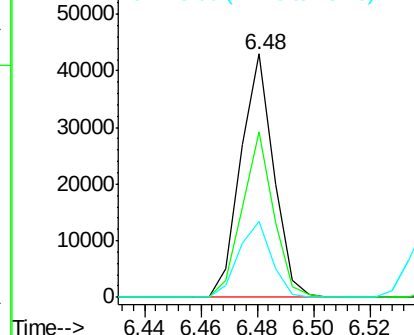
Tot Ion:	146	Resp:	34686
Ion Ratio	Lower	Upper	
146	100		
148	68.2	51.8	77.6
75	31.3	23.1	34.7

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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 7.284 ng

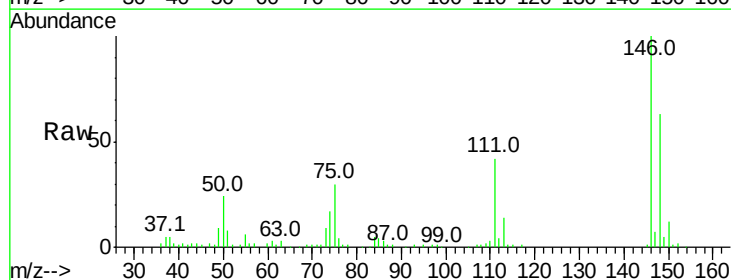
RT: 6.56 min Scan# 777

Delta R.T. -0.01 min

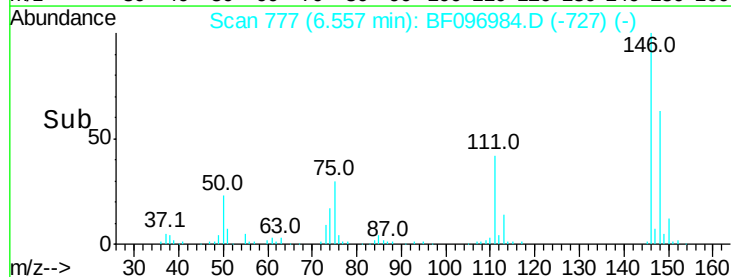
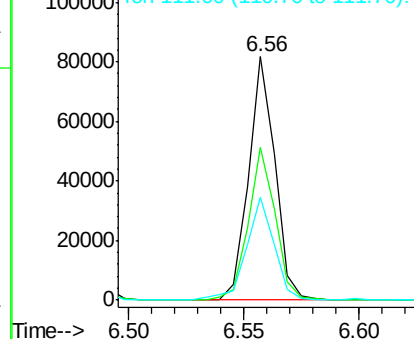
Lab File: BF096984.D

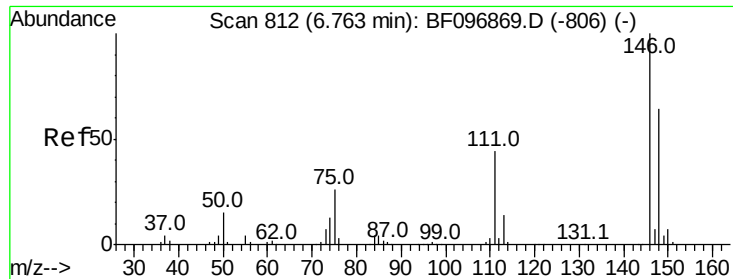
Acq: 24 Jul 2017 11:57

Tgt Ion:	146	Resp:	65209
Ion Ratio	Lower	Upper	
146	100		
148	62.8	52.2	78.2
111	42.0	30.3	45.5



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 16.021 ng

RT: 6.71 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF096984.D

Acq: 24 Jul 2017 11:57

Instrument :

BNA_F

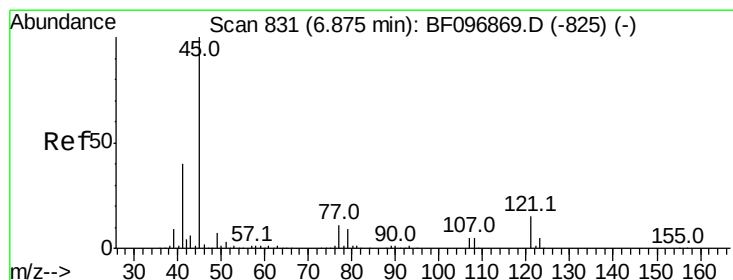
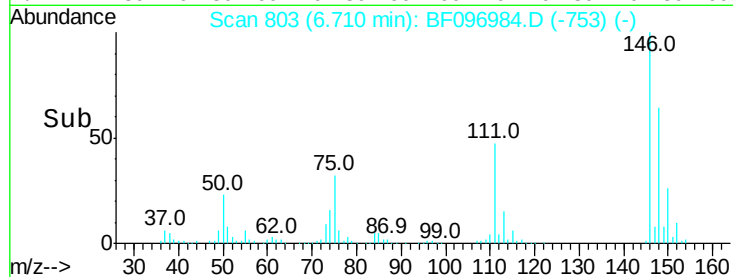
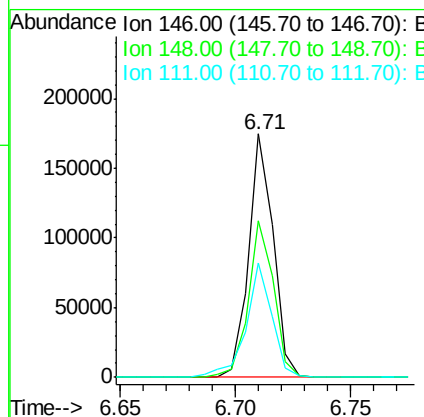
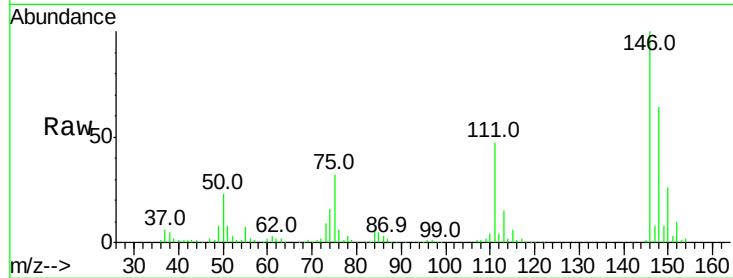
ClientSampleId :

E2-N5-NWSW

Tot Ion:	146	Resp:	130447
Ion Ratio	Lower	Upper	
146	100		
148	64.2	50.4	75.6
111	46.8	38.2	57.4

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 3.947 ng m

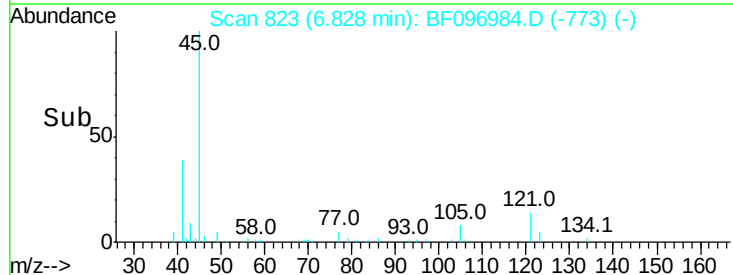
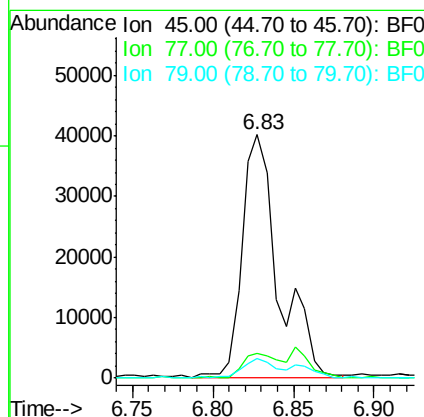
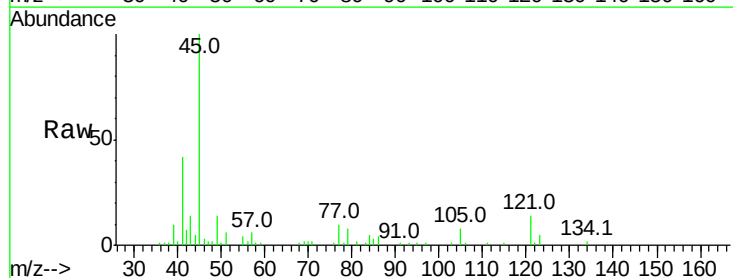
RT: 6.83 min Scan# 823

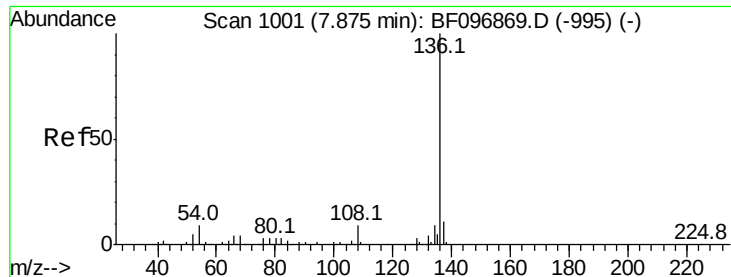
Delta R.T. -0.01 min

Lab File: BF096984.D

Acq: 24 Jul 2017 11:57

Tgt Ion:	45	Resp:	64055
Ion Ratio	Lower	Upper	
45	100		
77	10.2	0.0	33.2
79	7.9	0.0	30.0





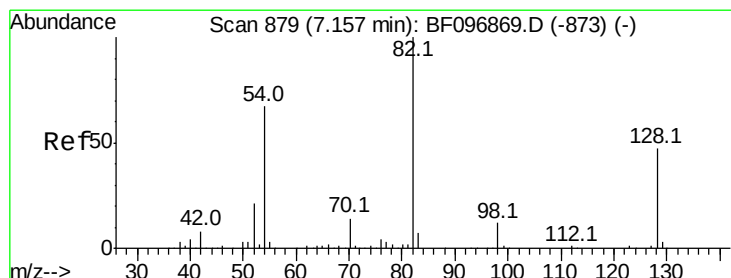
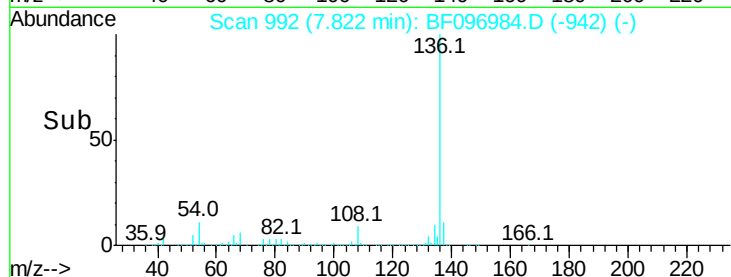
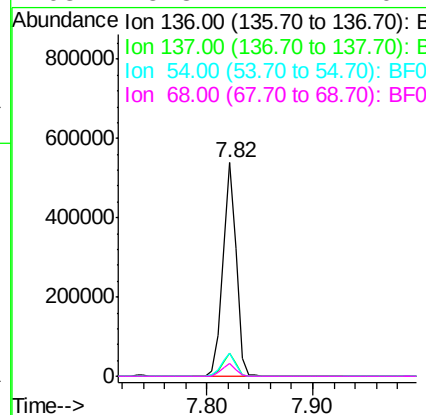
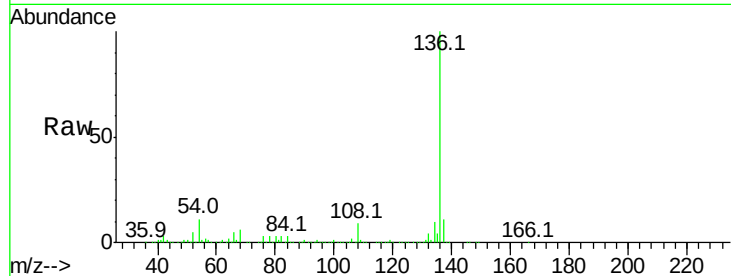
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.82 min Scan# 992
Delta R.T. -0.01 min
Lab File: BF096984.D
Acq: 24 Jul 2017 11:57

Instrument :
BNA_F
ClientSampleId :
E2-N5-NWSW

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.5	12.7	
54	11.0	4.9	7.3	
68	5.8	4.1	6.1	

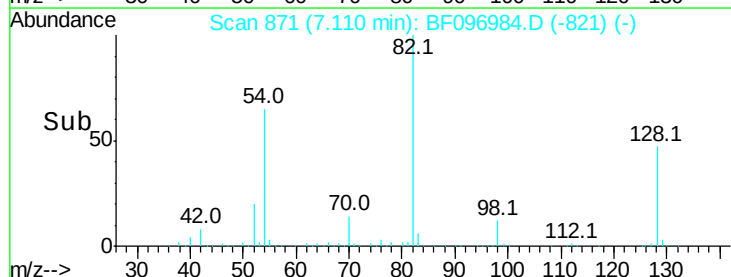
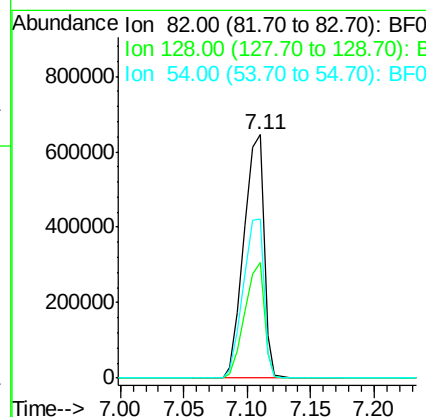
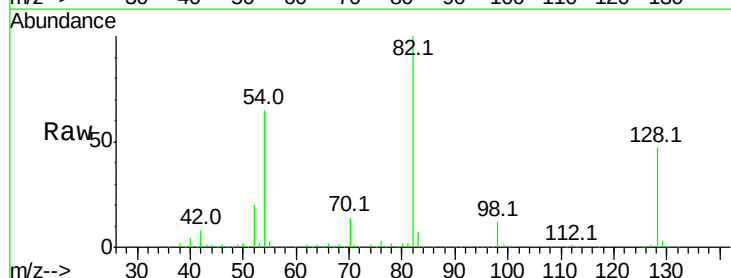
Manual Integrations
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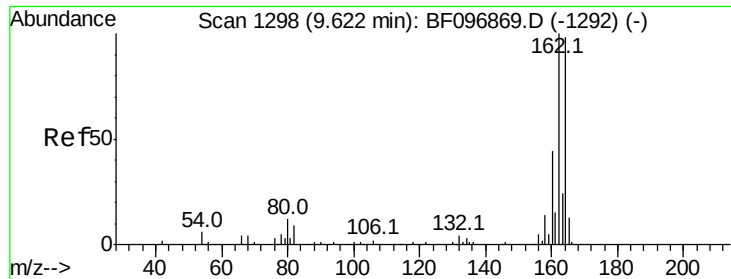
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#23
Nitrobenzene-d5
Concen: 89.226 ng
RT: 7.11 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF096984.D
Acq: 24 Jul 2017 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.2	34.0	51.0	
54	65.2	42.2	63.2	





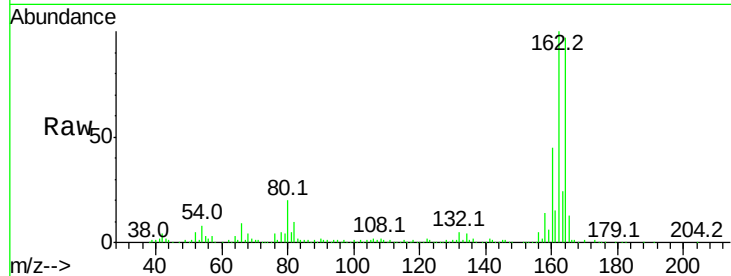
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.57 min Scan# 1289
 Delta R.T. -0.01 min
 Lab File: BF096984.D
 Acq: 24 Jul 2017 11:57

Instrument :
 BNA_F
 ClientSampleId :
 E2-N5-NWSW

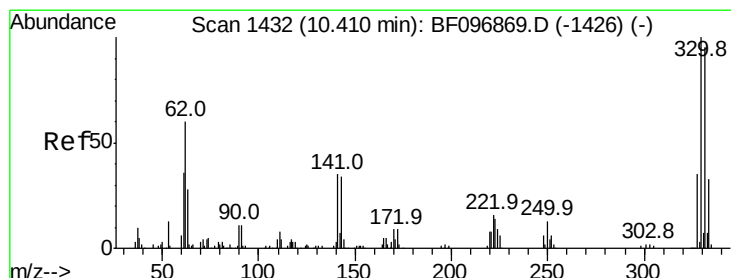
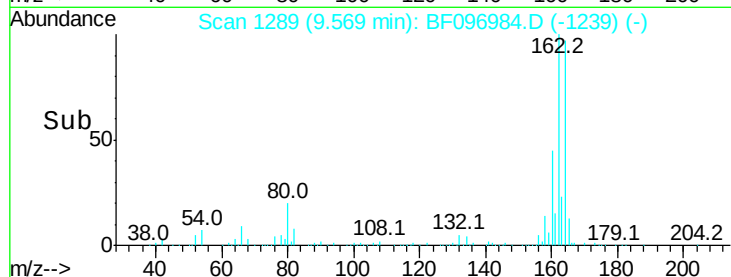
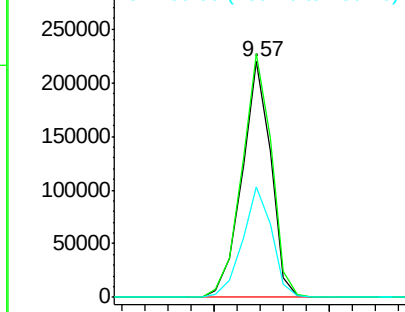
Tot Ion	Ratio	Resp	Lower	Upper
164	100	191366		
162	103.4	82.6	123.8	
160	46.9	36.2	54.2	

Manual Integrations
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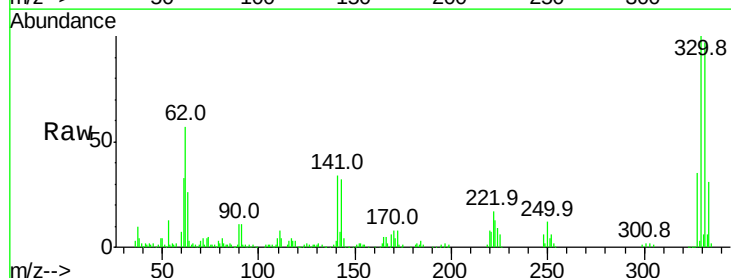


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

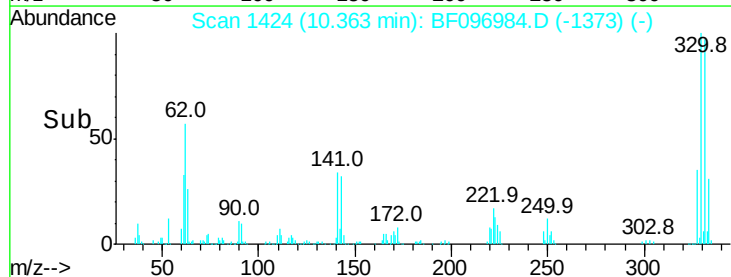
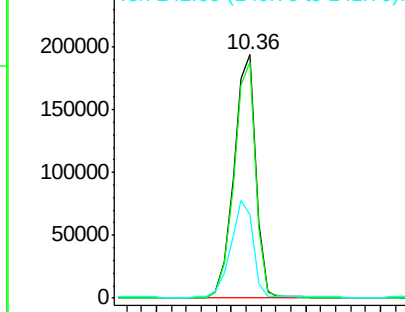


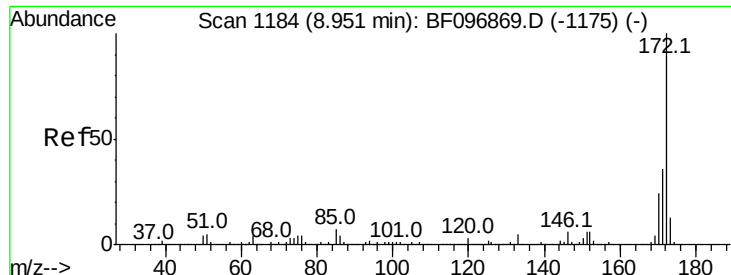
#41
 2,4,6-Tribromophenol
 Concen: 122.703 ng
 RT: 10.36 min Scan# 1424
 Delta R.T. -0.00 min
 Lab File: BF096984.D
 Acq: 24 Jul 2017 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	200432		
332	96.3	76.6	115.0	
141	40.6	31.4	47.2	



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





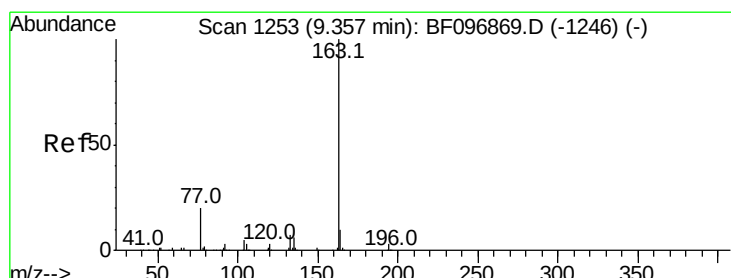
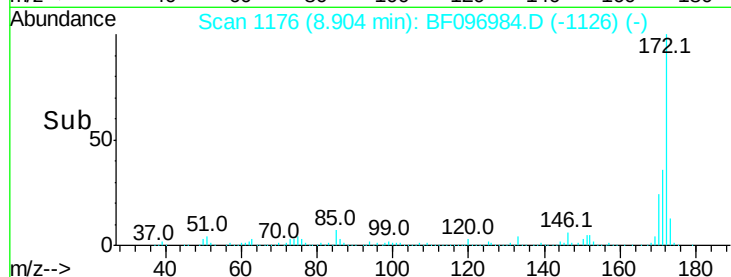
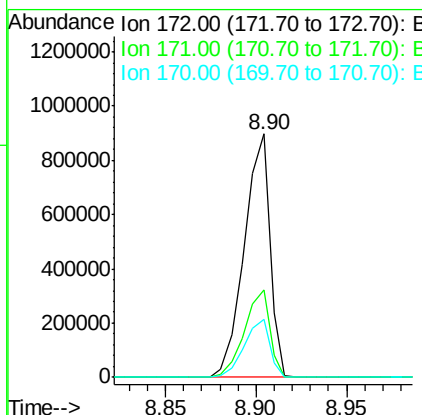
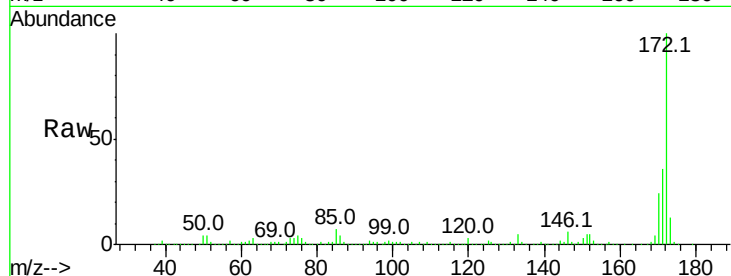
#44
2-Fluorobiphenyl
Concen: 73.104 ng
RT: 8.90 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF096984.D
Acq: 24 Jul 2017 11:57

Instrument :
BNA_F
ClientSampleId :
E2-N5-NWSW

Tot Ion	Ratio	Resp	Lower	Upper
172	100	885462		
171	36.0		29.6	44.4
170	23.7		19.8	29.8

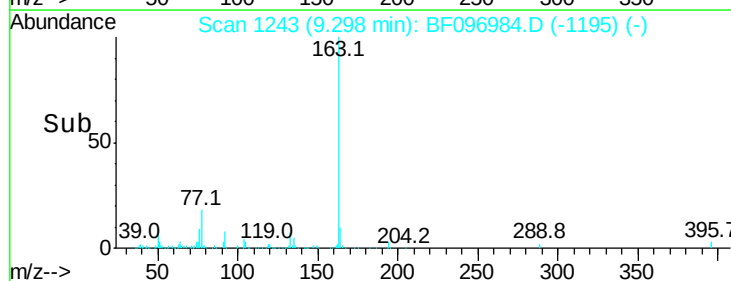
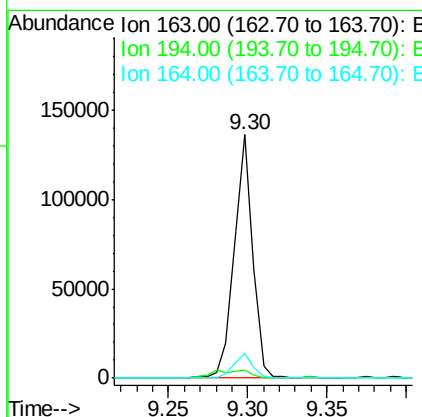
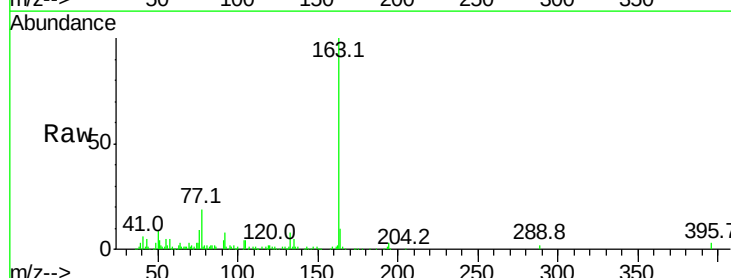
Manual Integrations
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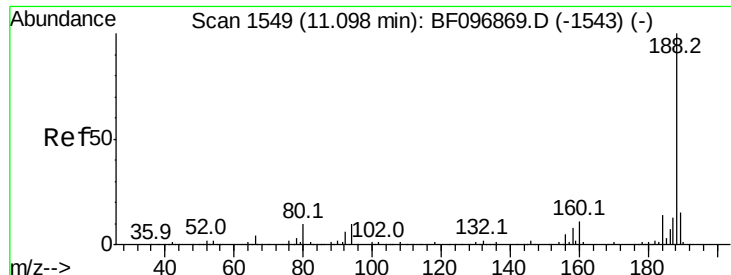
Sohil
7/25/2017 5:36:10 PM



#49
Dimethylphthalate
Concen: 7.694 ng
RT: 9.30 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BF096984.D
Acq: 24 Jul 2017 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	110860		
194	3.1		2.6	4.0
164	10.4		8.4	12.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.05 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BF096984.D

Acq: 24 Jul 2017 11:57

Instrument :

BNA_F

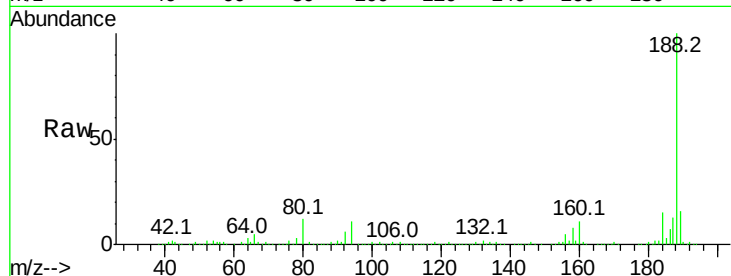
ClientSampleId :

E2-N5-NWSW

Tot Ion:	188	Resp:	329668
Ion Ratio	Lower	Upper	
188	100		
94	11.1	9.4	14.2
80	12.1	10.2	15.2

Manual Integrations
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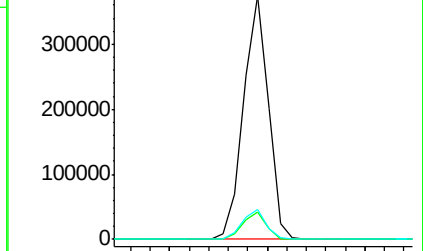
Sohil
7/25/2017 5:36:10 PM



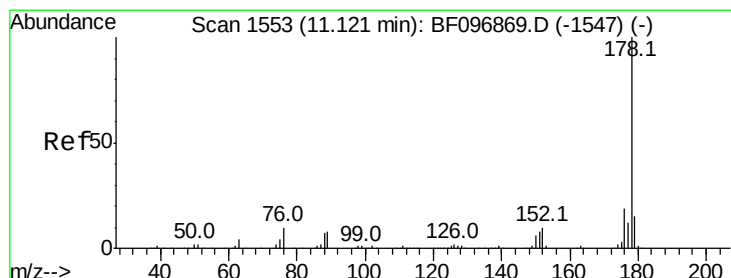
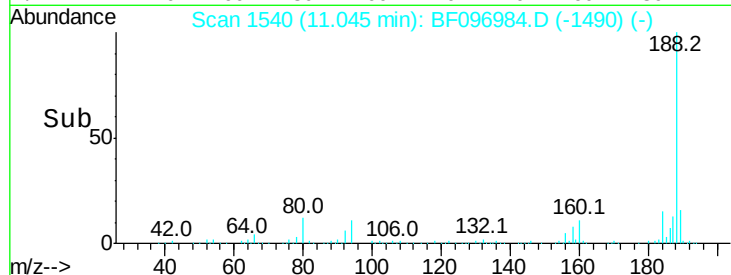
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#70

Phenanthrene

Concen: 3.766 ng

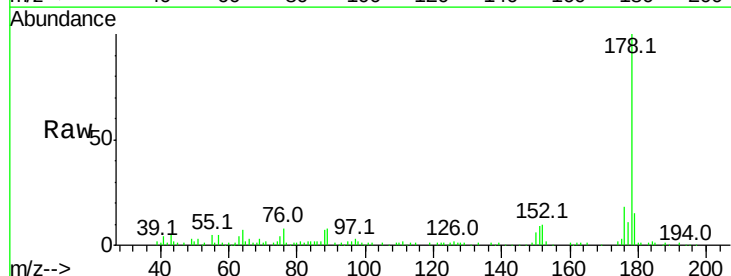
RT: 11.07 min Scan# 1544

Delta R.T. -0.01 min

Lab File: BF096984.D

Acq: 24 Jul 2017 11:57

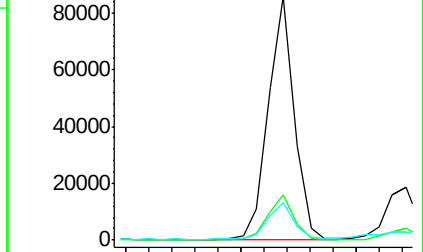
Tgt Ion:	178	Resp:	67499
Ion Ratio	Lower	Upper	
178	100		
176	18.4	16.2	24.4
179	15.2	12.6	19.0



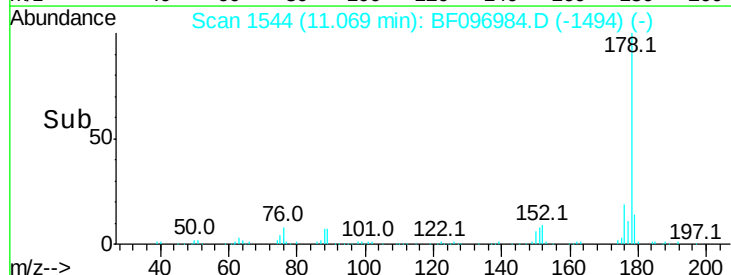
Abundance Ion 178.00 (177.70 to 178.70): E

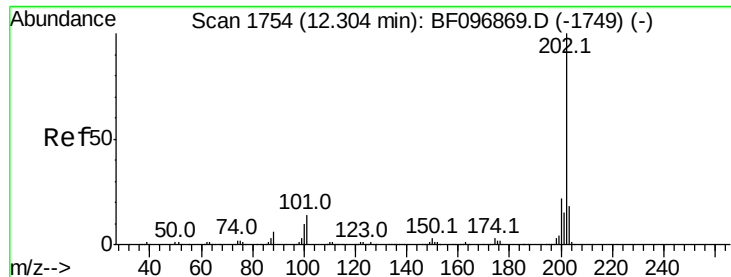
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Fluoranthene

Concen: 6.779 ng

RT: 12.25 min Scan# 1745

Delta R.T. -0.01 min

Lab File: BF096984.D

Acq: 24 Jul 2017 11:57

Instrument :

BNA_F

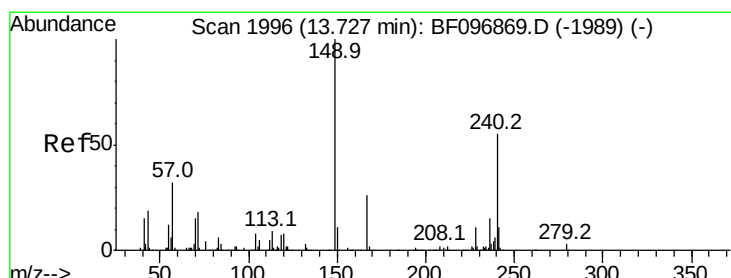
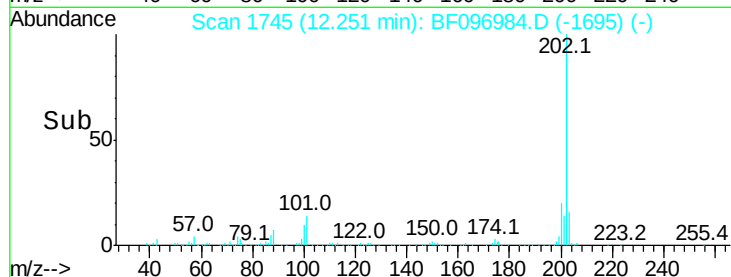
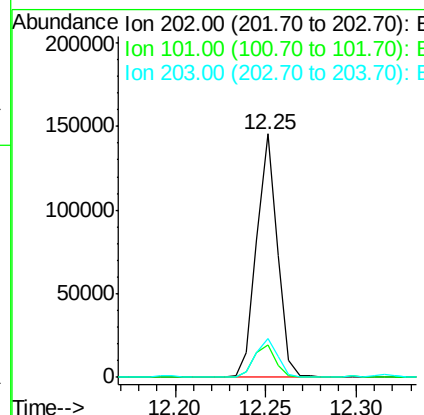
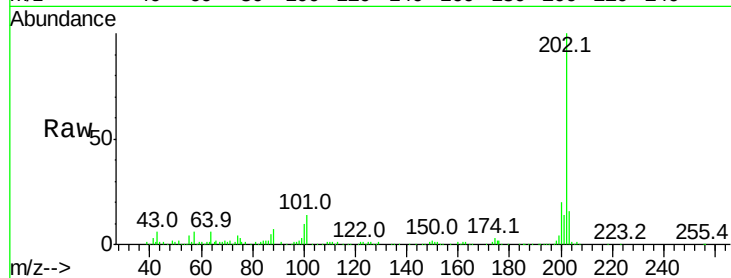
ClientSampleId :

E2-N5-NWSW

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.6	0.0	33.2
203	16.1	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

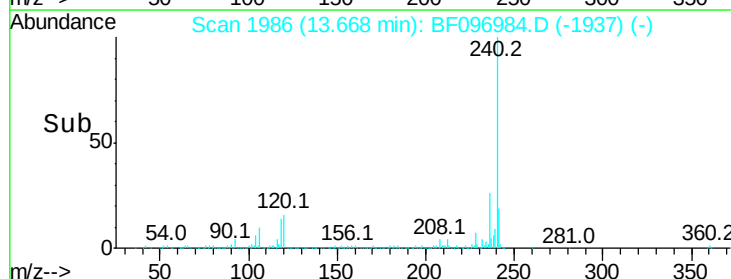
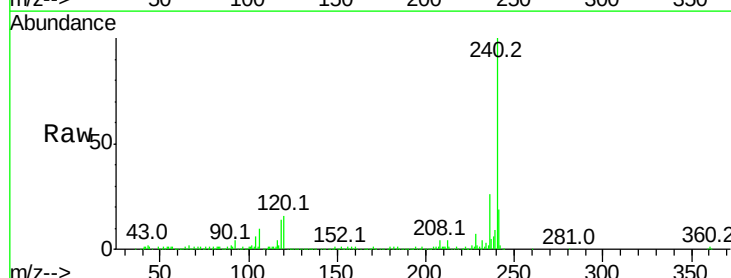
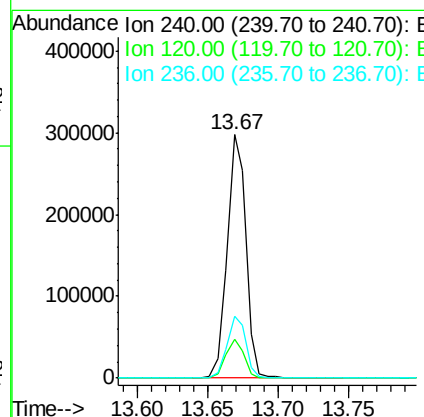
RT: 13.67 min Scan# 1986

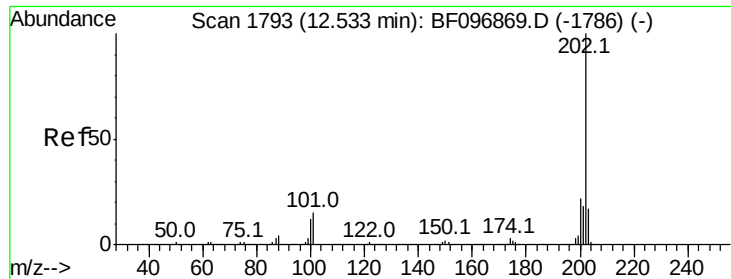
Delta R.T. -0.01 min

Lab File: BF096984.D

Acq: 24 Jul 2017 11:57

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	16.0	5.8	8.8#
236	25.6	20.5	30.7





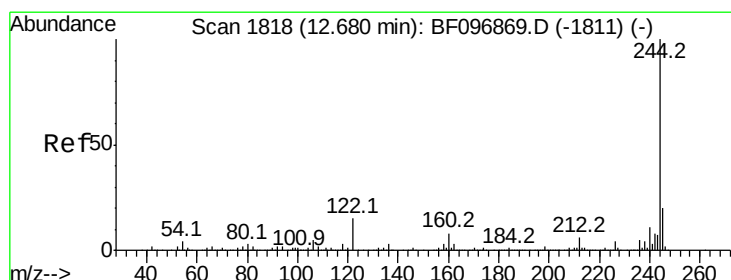
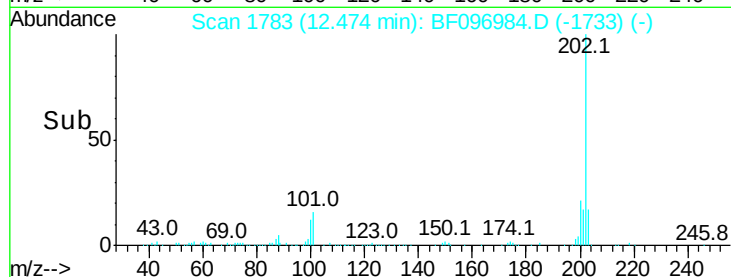
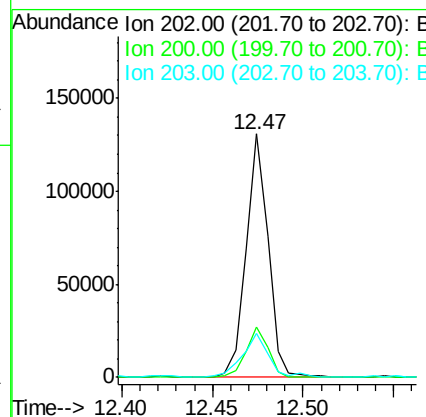
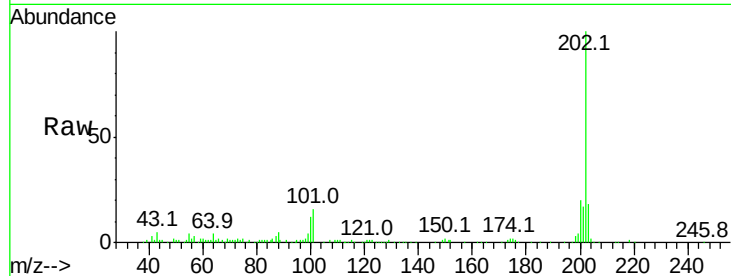
#77
Pvrene
Concen: 4.448 ng
RT: 12.47 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF096984.D
Acq: 24 Jul 2017 11:57

Instrument :
BNA_F
ClientSampleId :
E2-N5-NWSW

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.4	17.6	26.4
203	17.8	14.4	21.6

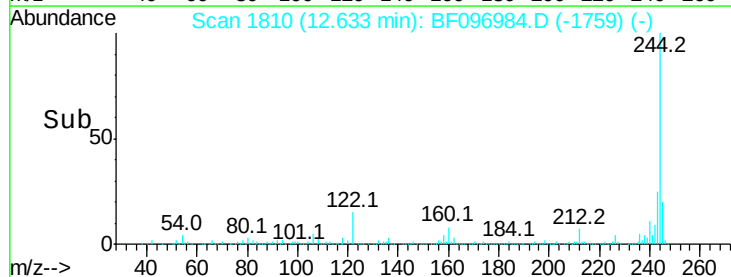
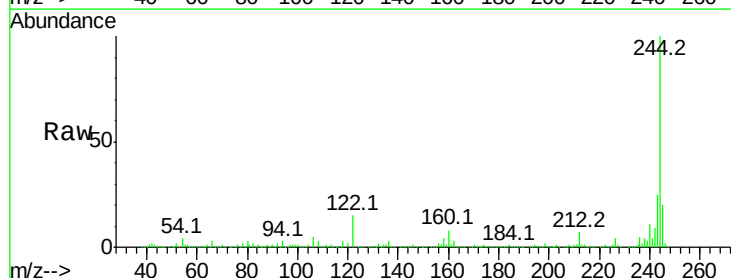
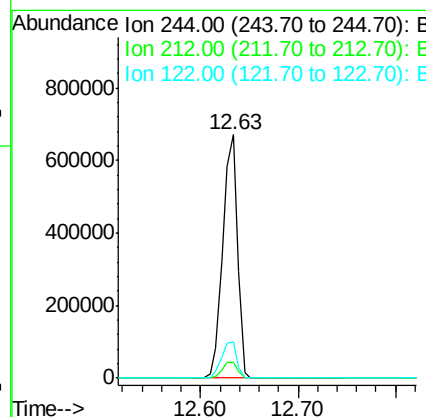
Manual Integrations
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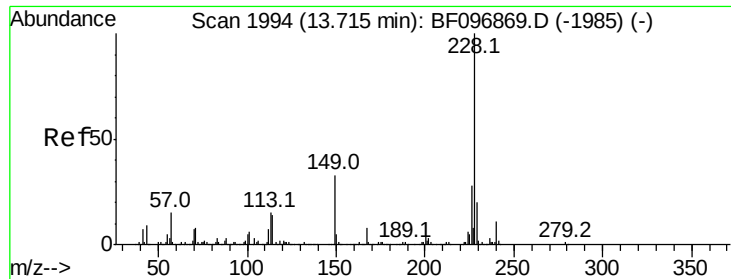
Sohil
7/25/2017 5:36:10 PM



#78
Terphenyl-d14
Concen: 44.528 ng
RT: 12.63 min Scan# 1810
Delta R.T. -0.00 min
Lab File: BF096984.D
Acq: 24 Jul 2017 11:57

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	6.0	9.0
122	14.8	10.3	15.5





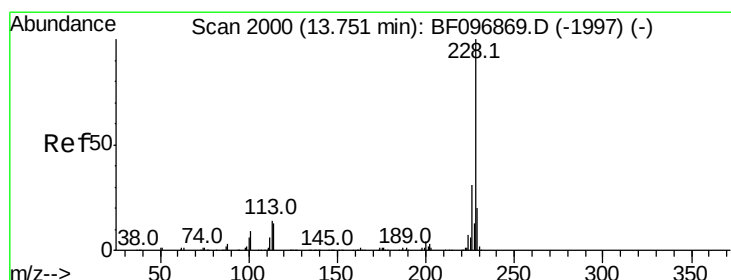
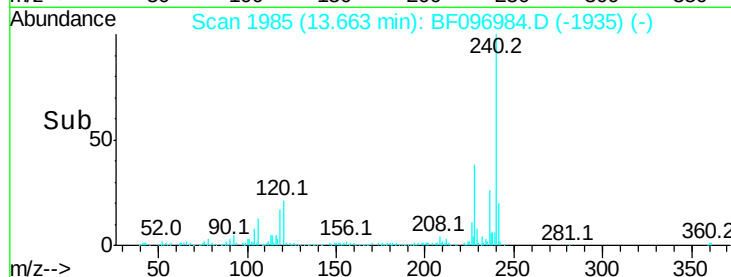
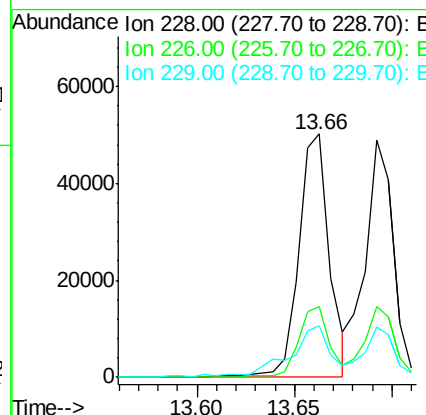
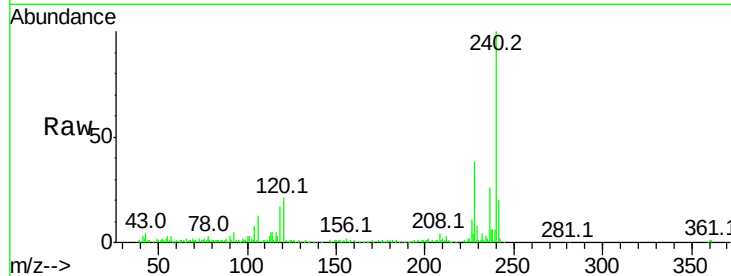
#80
Benzo(a)anthracene
Concen: 3.196 ng
RT: 13.66 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BF096984.D
Acq: 24 Jul 2017 11:57

Instrument :
BNA_F
ClientSampleId :
E2-N5-NWSW

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	21.0	16.3	24.5

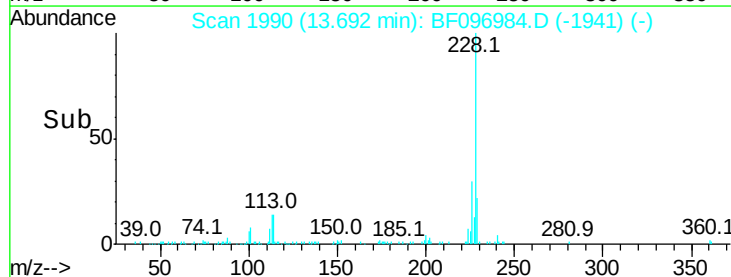
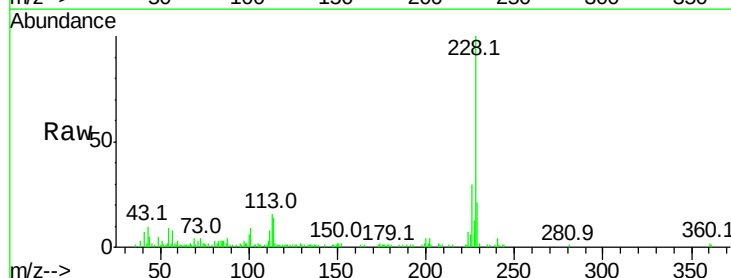
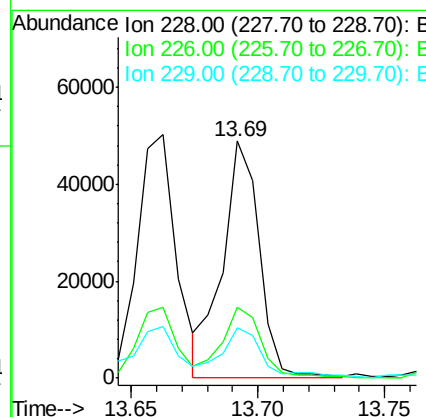
Manual Integrations
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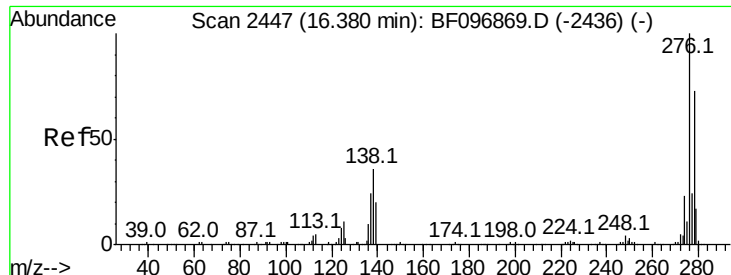
Sohil
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#82
Chrysene
Concen: 2.937 ng
RT: 13.69 min Scan# 1990
Delta R.T. -0.01 min
Lab File: BF096984.D
Acq: 24 Jul 2017 11:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.9	37.3
229	21.5	15.8	23.6





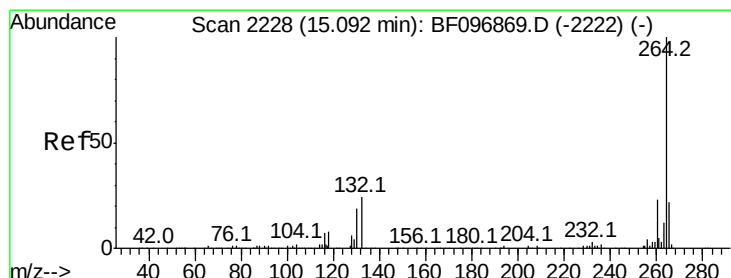
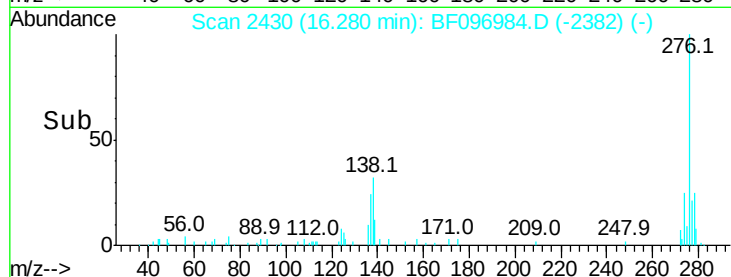
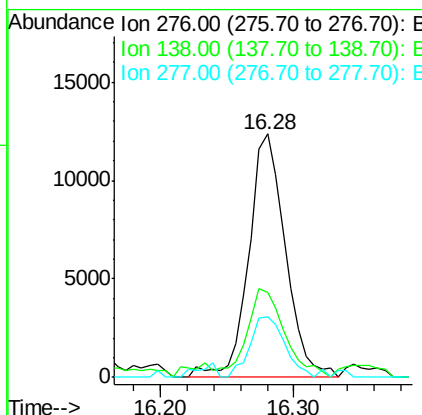
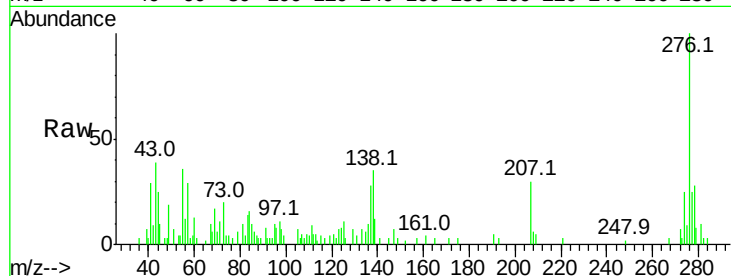
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.773 ng
RT: 16.28 min Scan# 2430
Delta R.T. -0.02 min
Lab File: BF096984.D
Acq: 24 Jul 2017 11:57

Instrument :
BNA_F
ClientSampleId :
E2-N5-NWSW

Tot Ion	Ratio	Lower	Upper
276	100		
138	36.5	27.8	41.6
277	23.8	20.2	30.4

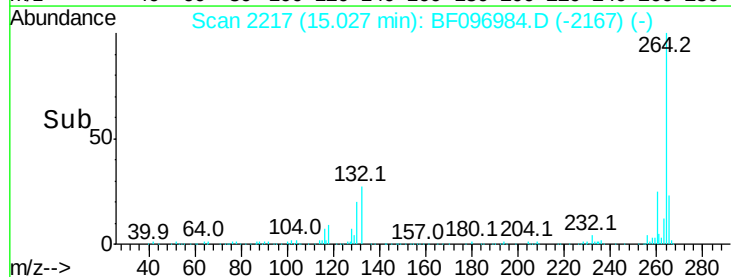
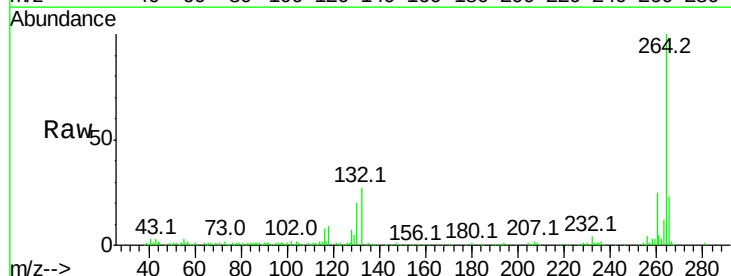
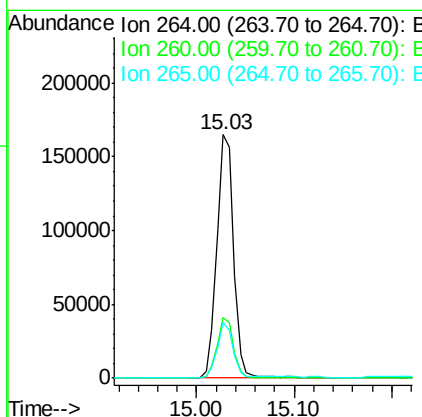
Manual Integrations
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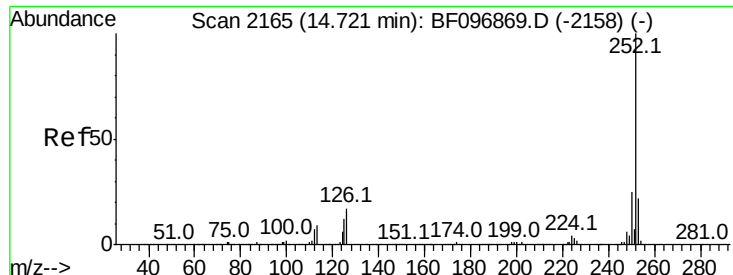
Sohil
7/25/2017 5:36:10 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.03 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF096984.D
Acq: 24 Jul 2017 11:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	22.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 4.874 ng

RT: 14.66 min Scan# 2155

Delta R.T. -0.01 min

Lab File: BF096984.D

Acq: 24 Jul 2017 11:57

Instrument :

BNA_F

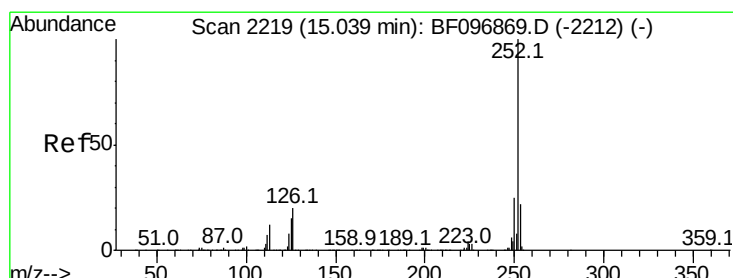
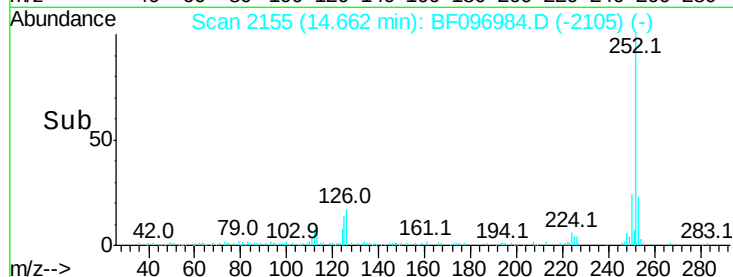
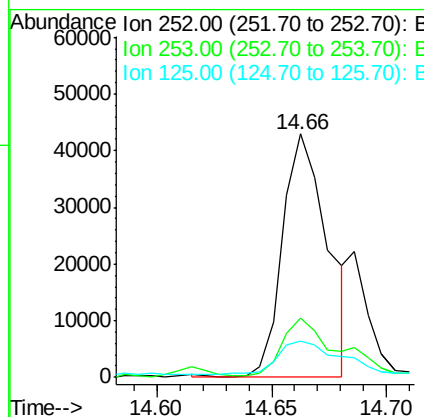
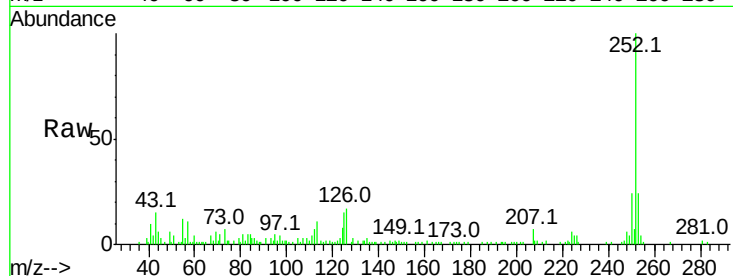
ClientSampleId :

E2-N5-NWSW

Tot Ion	Ratio	Resp	Lower	Upper
252	100	58255		
253	24.2	18.1	27.1	
125	15.0	9.8	14.8	

Manual Integrations
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7/25/2017 5:36:10 PM



#89

Benzo(a)pyrene

Concen: 3.509 ng

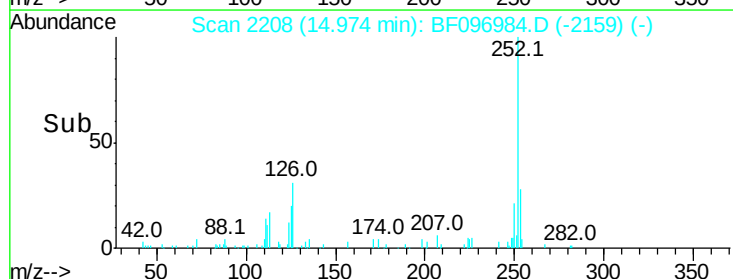
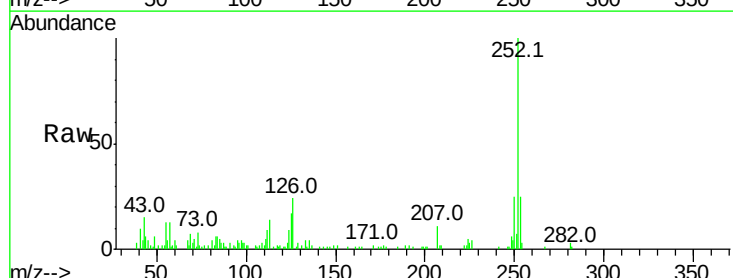
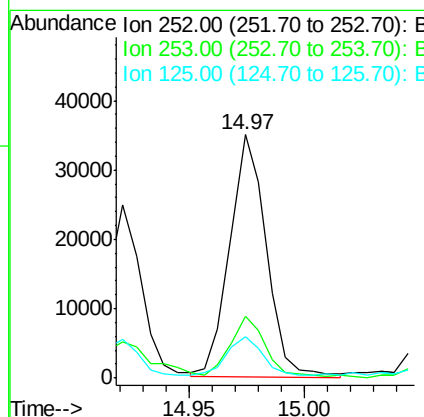
RT: 14.97 min Scan# 2208

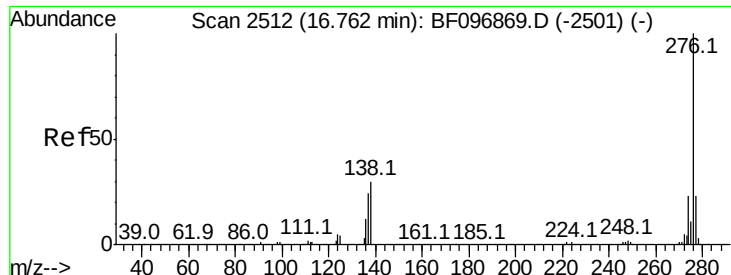
Delta R.T. -0.01 min

Lab File: BF096984.D

Acq: 24 Jul 2017 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	38471		
253	25.4	17.5	26.3	
125	17.2	11.0	16.4	





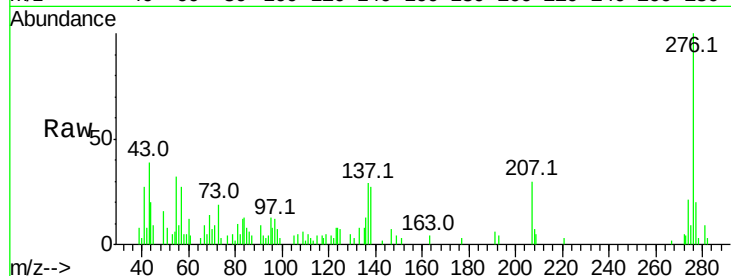
#91
 Benzo(a,h,i)perylene
 Concen: 2.109 ng
 RT: 16.65 min Scan# 2493
 Delta R.T. -0.02 min
 Lab File: BF096984.D
 Acq: 24 Jul 2017 11:57

Instrument :
 BNA_F
 ClientSampleId :
 E2-N5-NWSW

Tot Ion:	276	Resp:	22782
Ion Ratio	Lower	Upper	
276	100		
277	20.5	18.6	28.0
138	26.7	25.4	38.0

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

