

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
 Data File : BF096986.D
 Acq On : 24 Jul 2017 12:52
 Operator : SJ/JU
 Sample : I4370-02 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-N6-BASE

Manual Integrations
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Quant Time: Jul 24 14:37:00 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	139338	20.00	ng	0.00
21) Naphthalene-d8	7.82	136	540299	20.00	ng	0.00
38) Acenaphthene-d10	9.57	164	231329	20.00	ng	0.00
63) Phenanthrene-d10	11.05	188	369847	20.00	ng	0.00
75) Chrysene-d12	13.67	240	217302	20.00	ng	-0.01
86) Perylene-d12	15.03	264	201188	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	176215	19.02	ng	0.00
7) Phenol-d6	6.20	99	223653	20.11	ng	-0.01
23) Nitrobenzene-d5	7.10	82	122790	14.08	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	34251	17.35	ng	0.00
44) 2-Fluorobiphenyl	8.90	172	216705	14.80	ng	-0.01
78) Terphenyl-d14	12.63	244	125508	10.02	ng	0.00
Target Compounds						Qvalue
11) bis(2-Chloroethyl)ether	6.27	93	133608	14.133	ng	92
13) 1,4-Dichlorobenzene	6.56	146	24691m	2.294	ng	
14) 1,2-Dichlorobenzene	6.71	146	111177	11.358	ng	96
30) 1,2,4-Trichlorobenzene	7.77	180	24406	3.436	ng	95
49) Dimethylphthalate	9.30	163	44584	2.560	ng	99
85) Indeno(1,2,3-cd)pyrene	16.28	276	41840	6.583	ng	99
87) Benzo(b)fluoranthene	14.66	252	43617m	3.595	ng	
91) Benzo(q,h,i)perylene	16.66	276	43648	3.980	ng	97

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

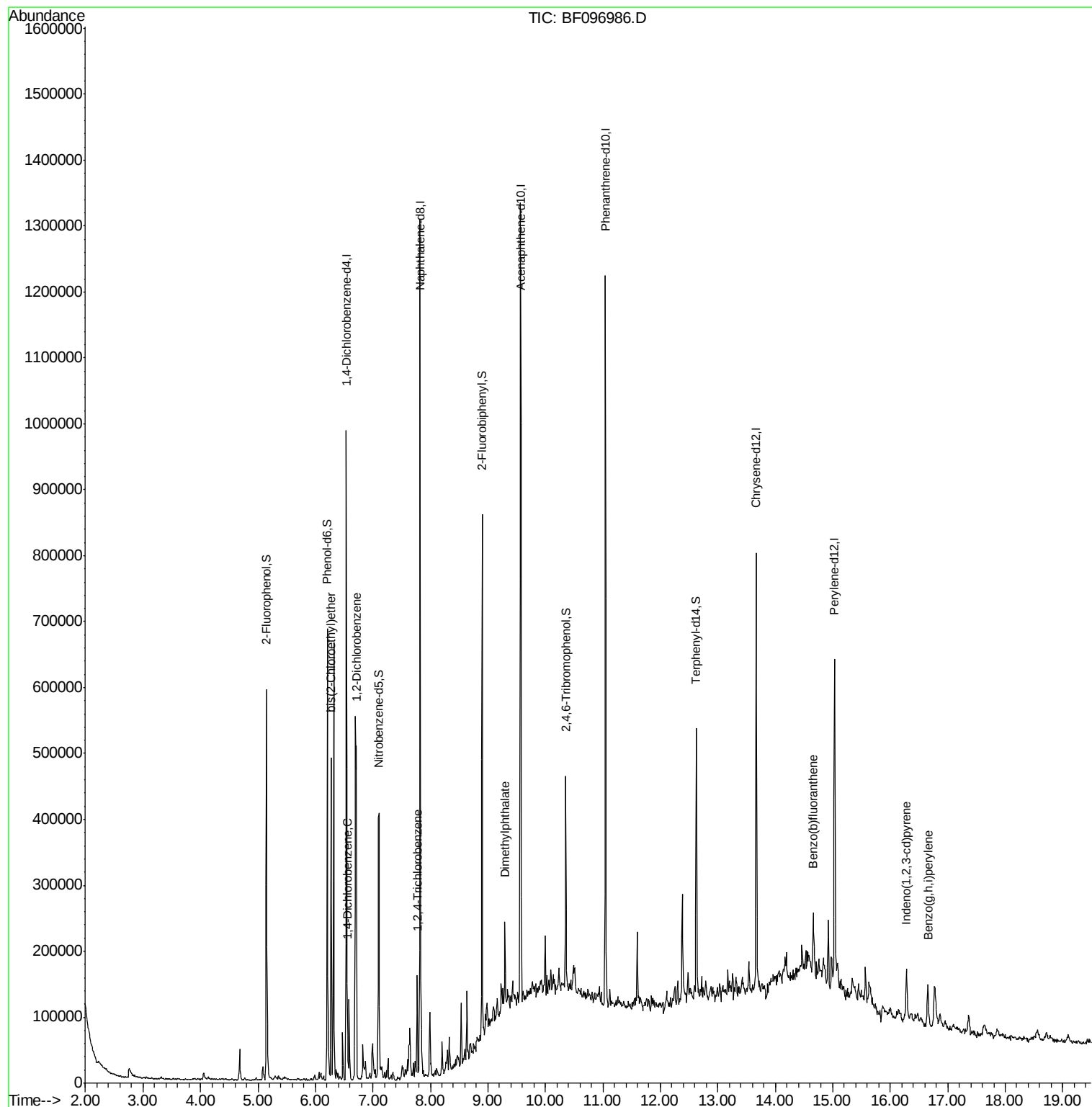
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
Data File : BF096986.D
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Operator : SJ/JU
Sample : I4370-02 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

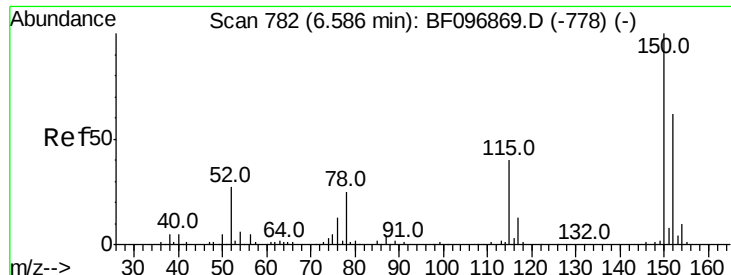
Instrument :
BNA_F
ClientSampleId :
E2-N6-BASE

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Quant Time: Jul 24 14:37:00 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





#1

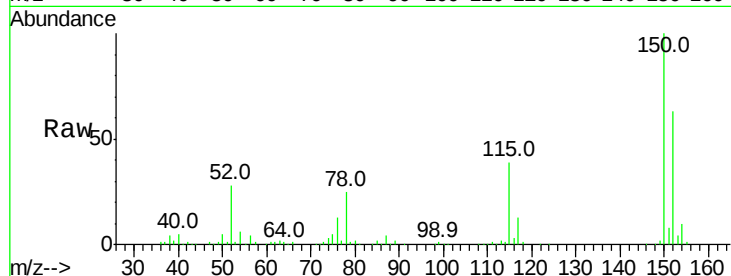
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.54 min Scan# 774
Delta R.T. 0.00 min
Lab File: BF096986.D
Acq: 24 Jul 2017 12:52

Instrument :
BNA_F
ClientSampleId :
E2-N6-BASE

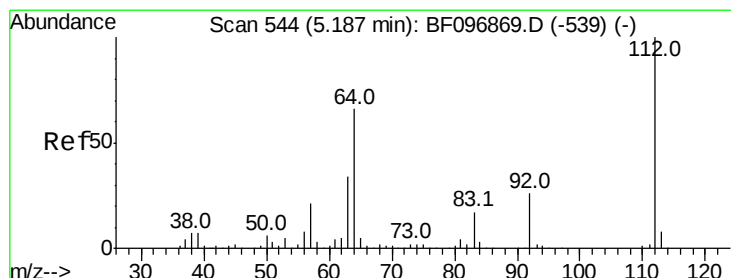
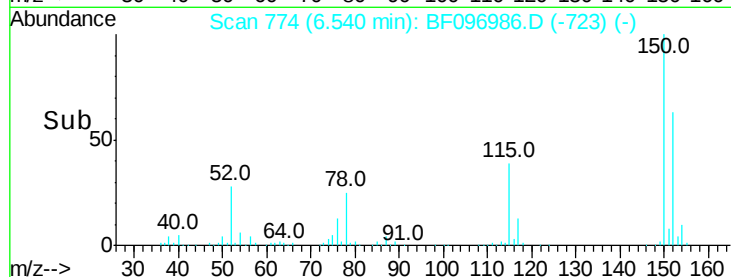
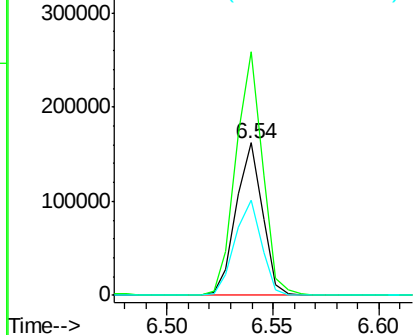
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	126.2	189.2
115	62.1	52.2	78.2

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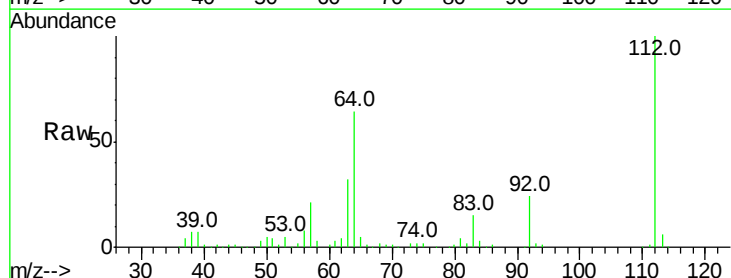
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



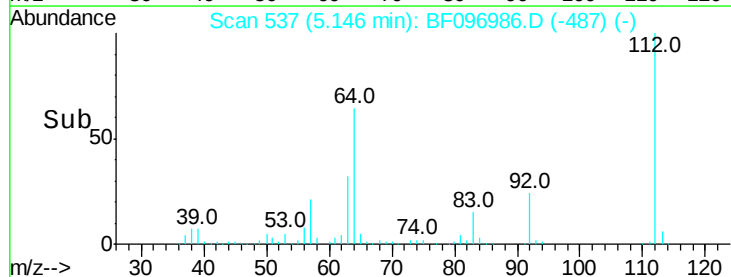
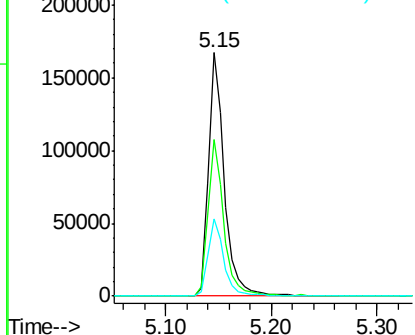
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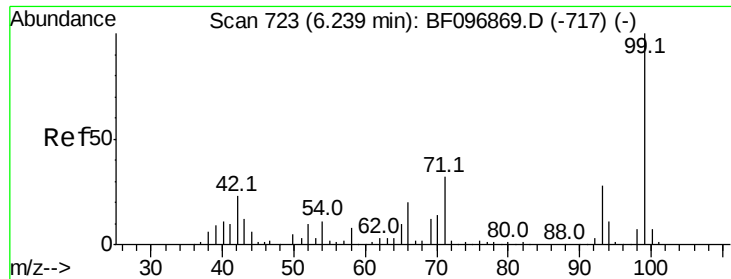
2-Fluorophenol
Concen: 19.015 ng
RT: 5.15 min Scan# 537
Delta R.T. -0.01 min
Lab File: BF096986.D
Acq: 24 Jul 2017 12:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	46.0	69.0
63	31.9	23.4	35.0



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





#7

Phenol-d6

Concen: 20.111 ng

RT: 6.20 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF096986.D

Acq: 24 Jul 2017 12:52

Instrument :

BNA_F

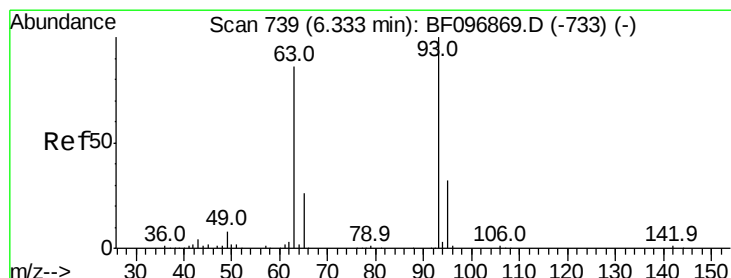
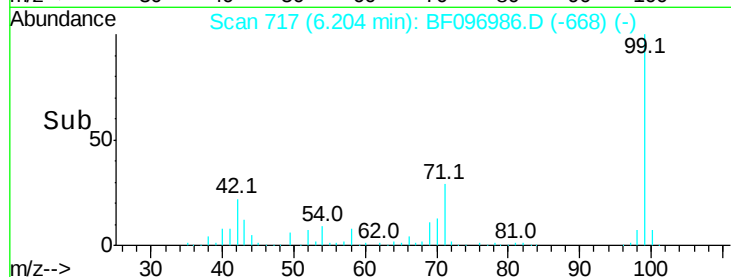
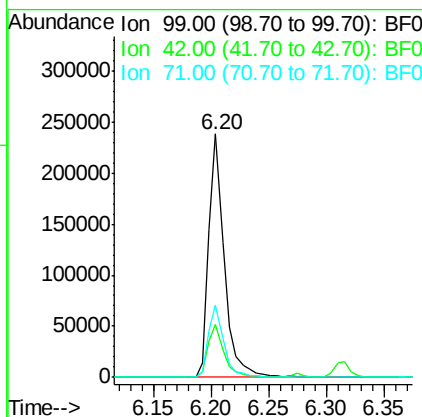
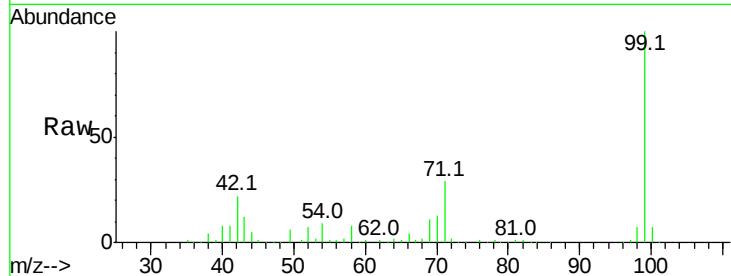
ClientSampleId :

E2-N6-BASE

Tot Ion:	99	Resp:	223653
Ion Ratio	Lower	Upper	
99	100		
42	21.8	13.5	20.3#
71	29.4	24.5	36.7

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#11

bis(2-Chloroethyl)ether

Concen: 14.133 ng

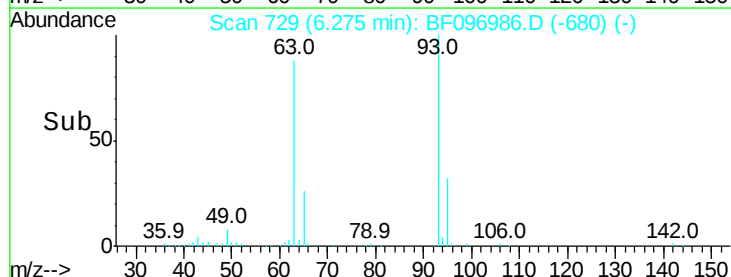
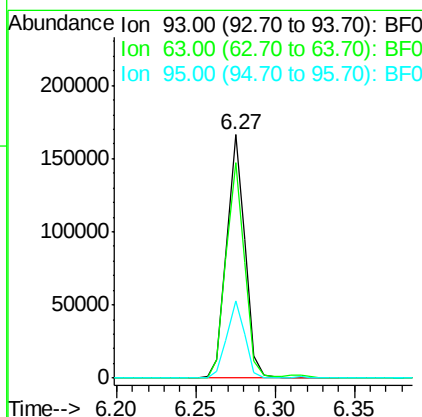
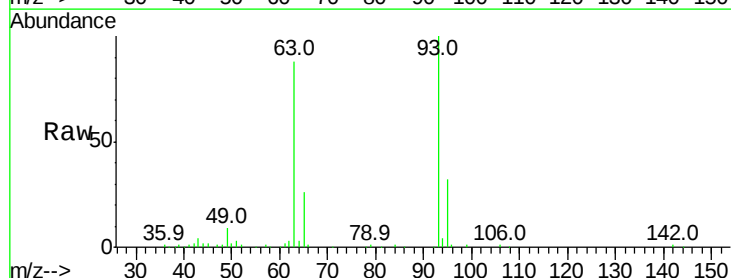
RT: 6.27 min Scan# 729

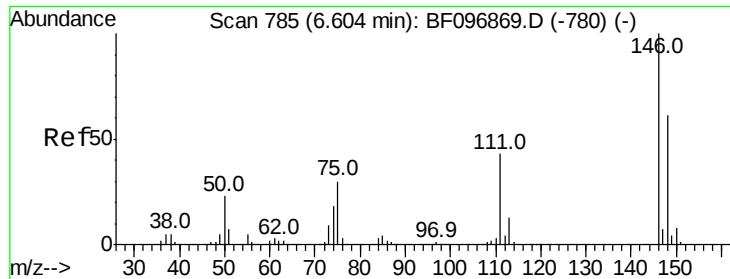
Delta R.T. -0.01 min

Lab File: BF096986.D

Acq: 24 Jul 2017 12:52

Tgt Ion:	93	Resp:	133608
Ion Ratio	Lower	Upper	
93	100		
63	88.5	59.2	99.2
95	31.7	12.8	52.8





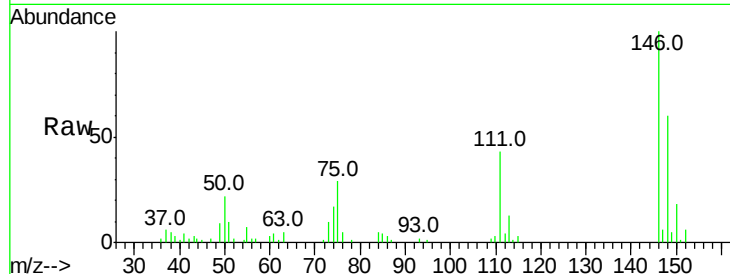
#13
 1,4-Dichlorobenzene
 Concen: 2.294 ng/mL
 RT: 6.56 min Scan# 777
 Delta R.T. -0.01 min
 Lab File: BF096986.D
 Acq: 24 Jul 2017 12:52

Instrument :
 BNA_F
 ClientSampleId :
 E2-N6-BASE

Tot Ion	Ratio	Lower	Upper
146	100		
148	59.7	52.2	78.2
111	42.8	30.3	45.5

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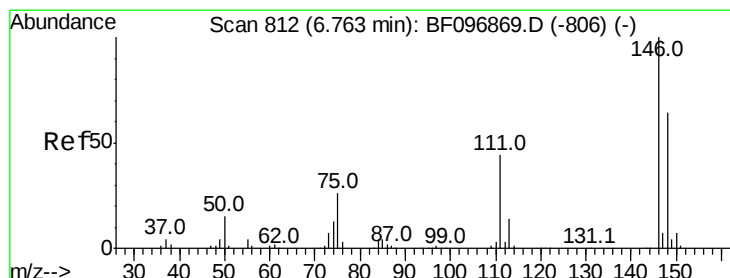
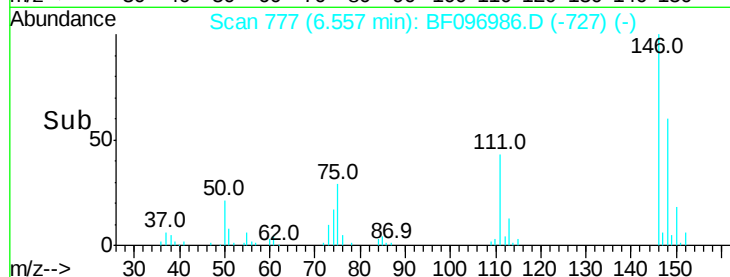
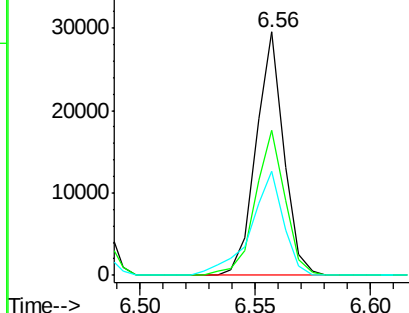


Abundance

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: 11.358 ng/mL
 RT: 6.71 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF096986.D
 Acq: 24 Jul 2017 12:52

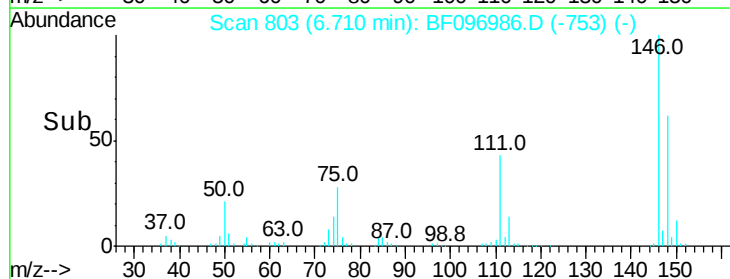
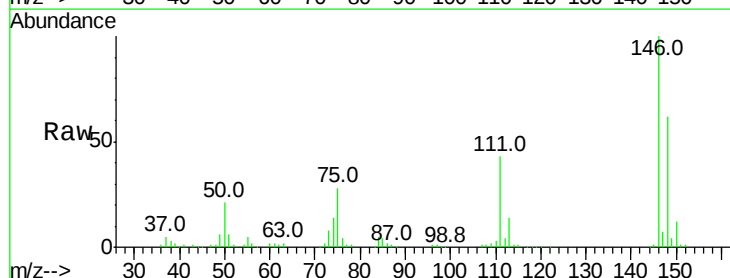
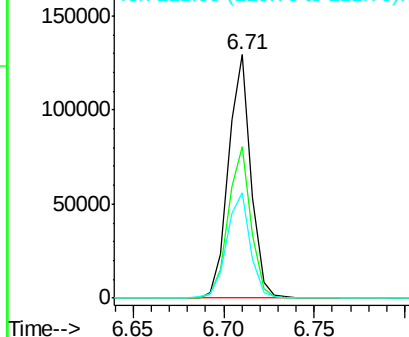
Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.0	50.4	75.6
111	43.1	38.2	57.4

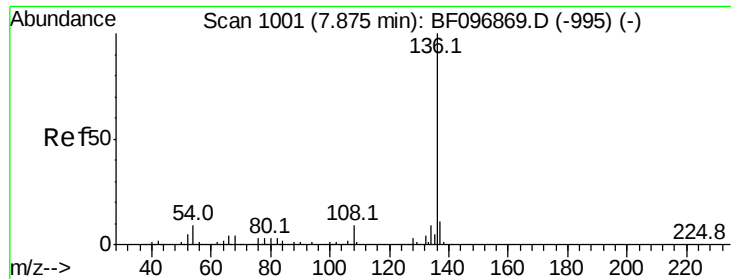
Abundance

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





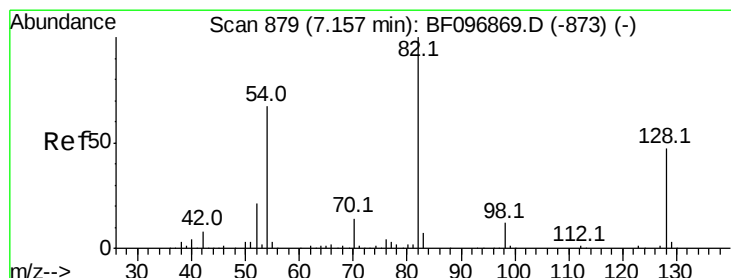
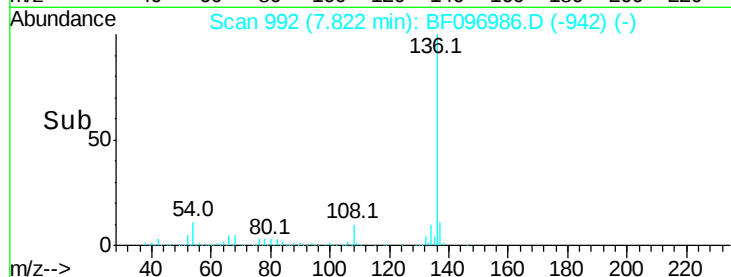
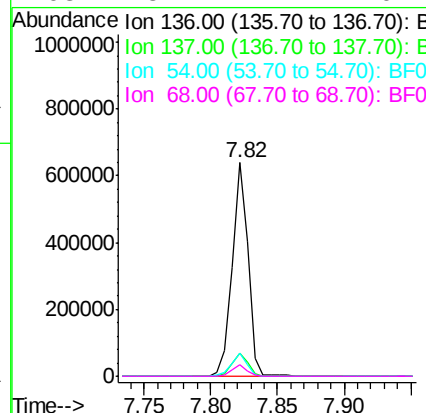
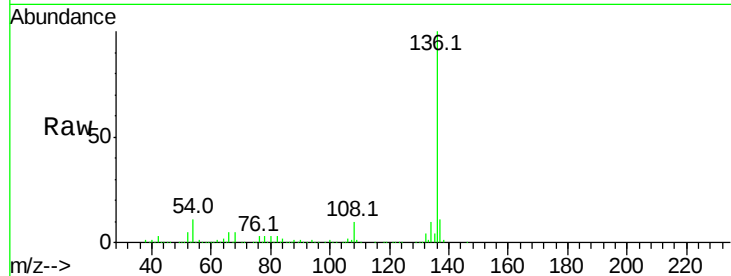
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.82 min Scan# 992
Delta R.T. -0.01 min
Lab File: BF096986.D
Acq: 24 Jul 2017 12:52

Instrument :
BNA_F
ClientSampleId :
E2-N6-BASE

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.5	12.7	
54	10.7	4.9	7.3	
68	5.4	4.1	6.1	

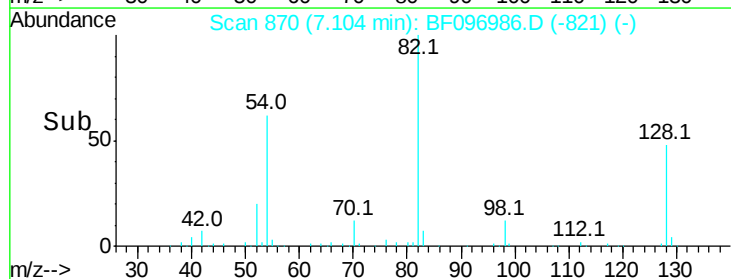
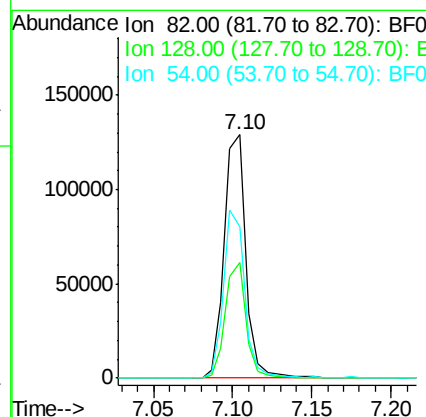
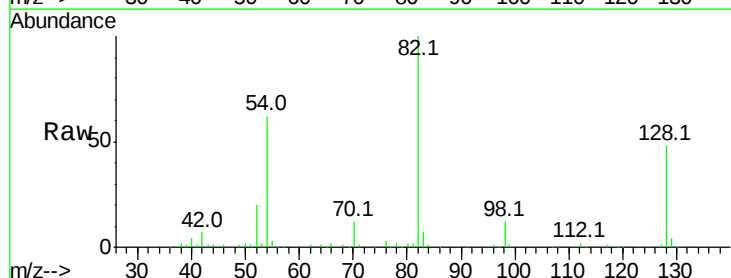
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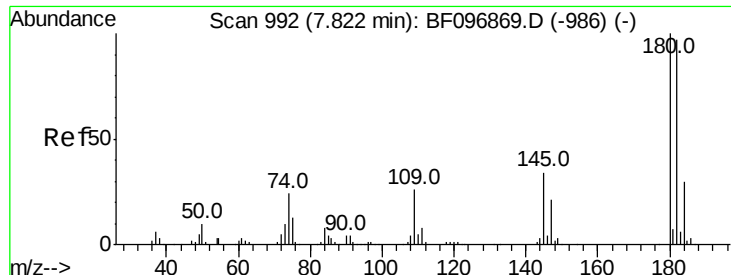
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#23
Nitrobenzene-d5
Concen: 14.077 ng
RT: 7.10 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF096986.D
Acq: 24 Jul 2017 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.7	34.0	51.0	
54	62.3	42.2	63.2	





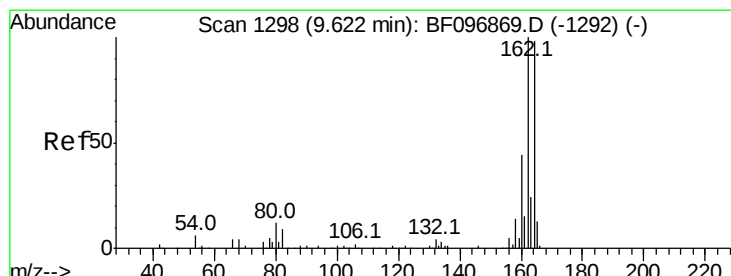
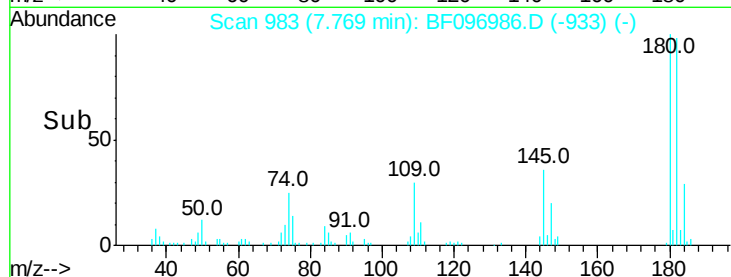
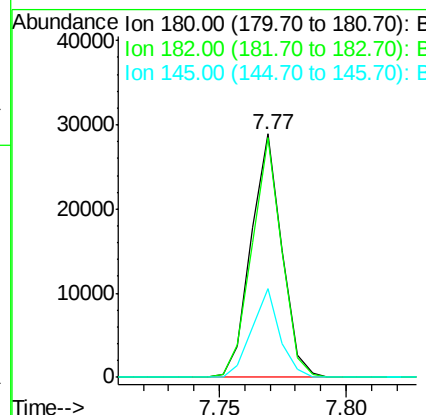
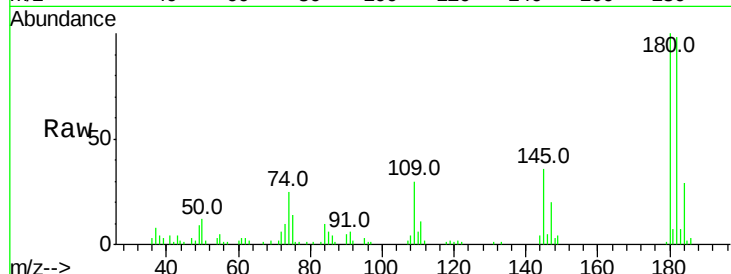
#30
 1,2,4-Trichlorobenzene
 Concen: 3.436 ng
 RT: 7.77 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: BF096986.D
 Acq: 24 Jul 2017 12:52

Instrument :
 BNA_F
 ClientSampleId :
 E2-N6-BASE

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.5	75.8	113.6
145	36.4	25.3	37.9

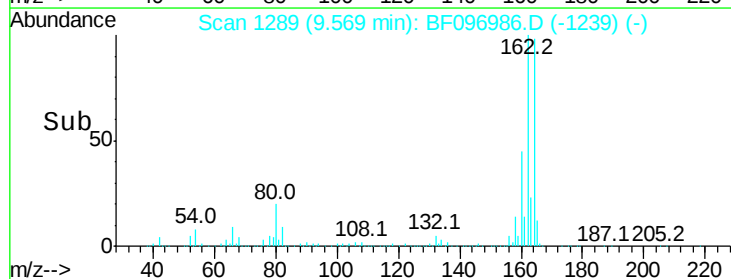
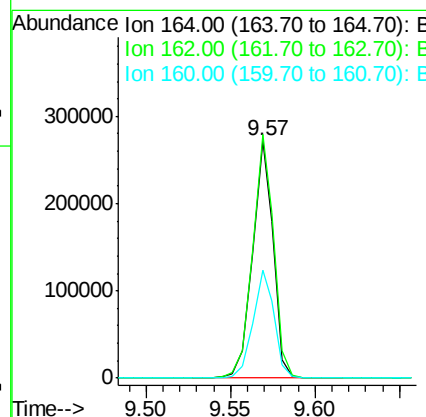
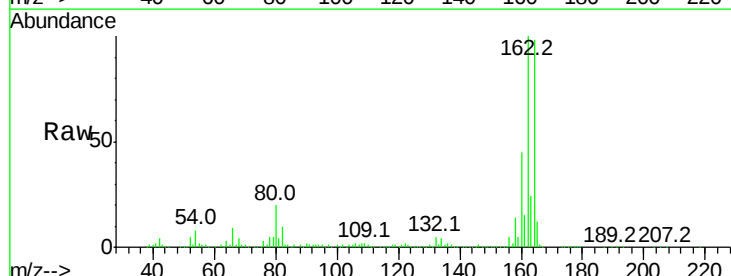
Manual Integrations
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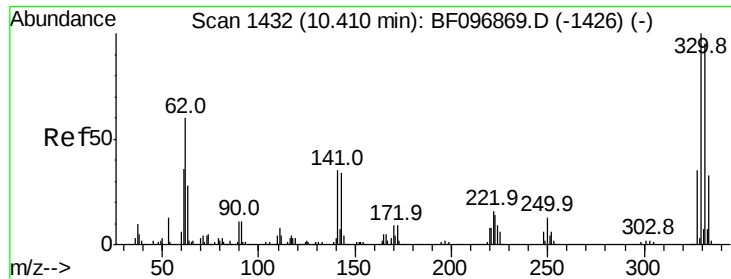
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.57 min Scan# 1289
 Delta R.T. -0.01 min
 Lab File: BF096986.D
 Acq: 24 Jul 2017 12:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.6	123.8
160	45.6	36.2	54.2





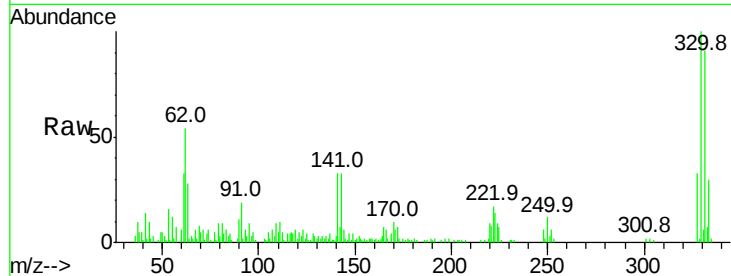
#41
 2,4,6-Tribromophenol
 Concen: 17.346 ng
 RT: 10.36 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: BF096986.D
 Acq: 24 Jul 2017 12:52

Instrument :
 BNA_F
 ClientSampleId :
 E2-N6-BASE

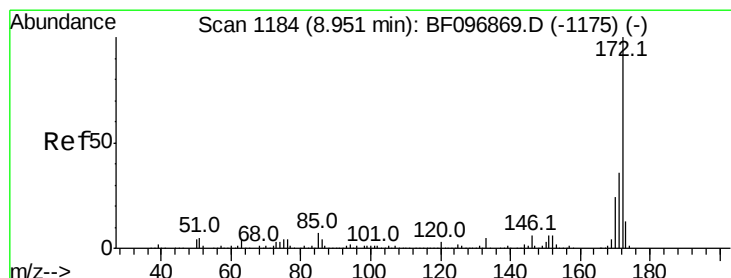
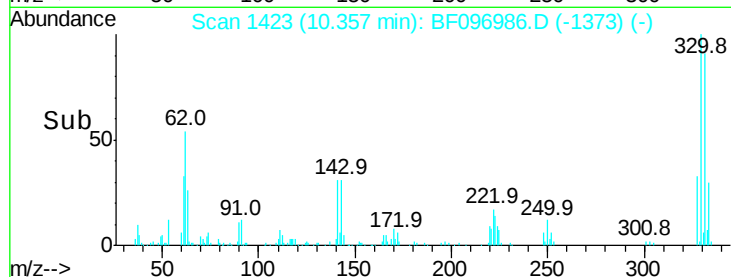
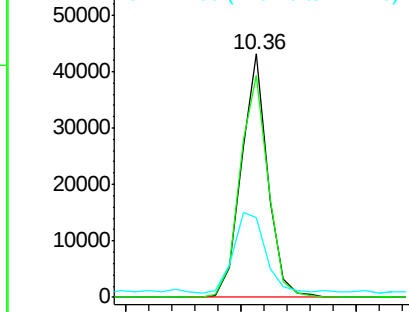
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.4	76.6	115.0	
141	42.7	31.4	47.2	

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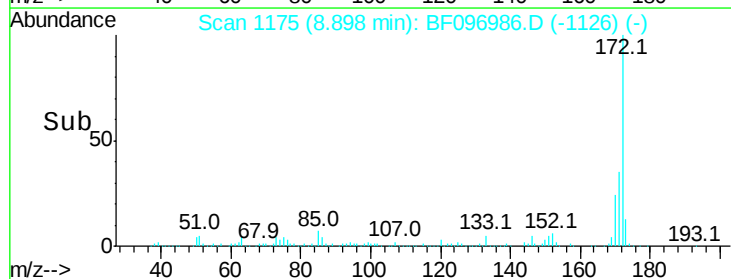
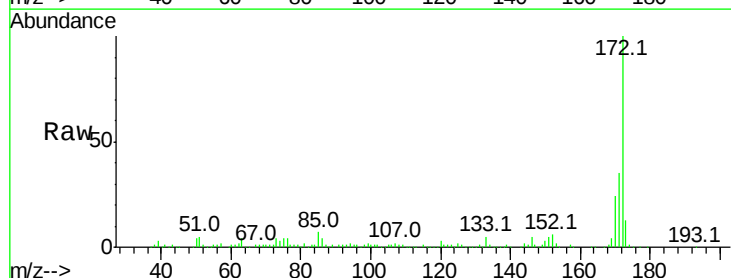
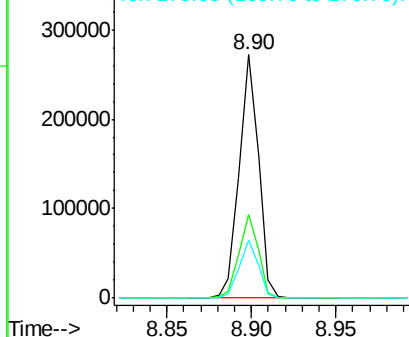
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

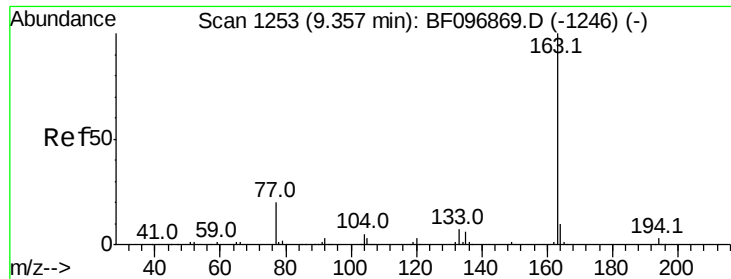


#44
 2-Fluorobiphenyl
 Concen: 14.800 ng
 RT: 8.90 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: BF096986.D
 Acq: 24 Jul 2017 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.5	29.6	44.4	
170	23.8	19.8	29.8	

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





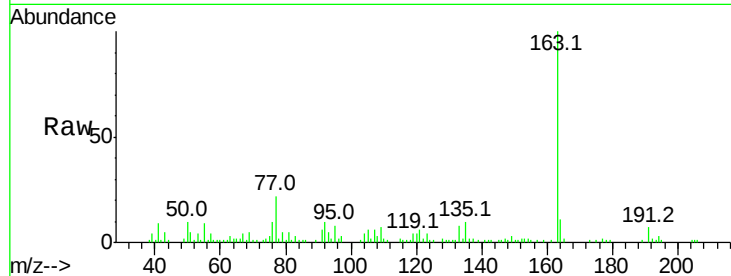
#49
Dimethylphthalate
Concen: 2.560 ng
RT: 9.30 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BF096986.D
Acq: 24 Jul 2017 12:52

Instrument :
BNA_F
ClientSampleId :
E2-N6-BASE

Tot Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	4.0
164	10.7	8.4	12.6

Manual Integrations
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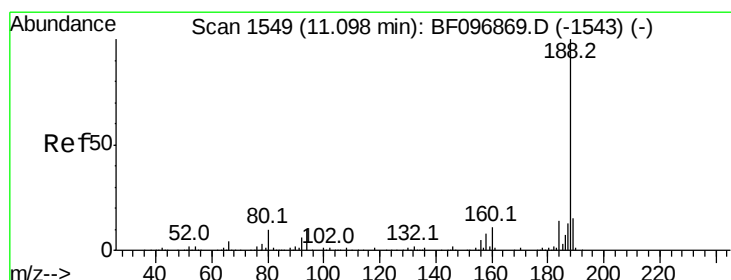
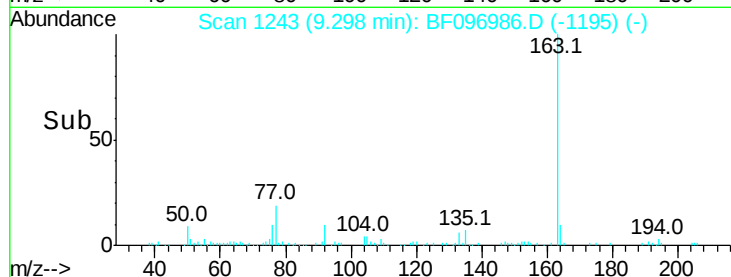
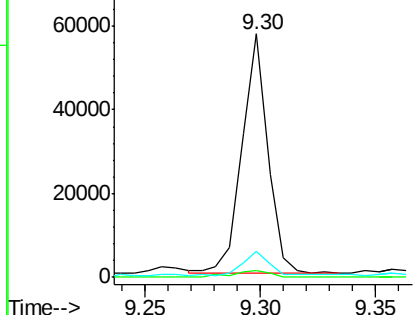


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.05 min Scan# 1540
Delta R.T. -0.01 min
Lab File: BF096986.D
Acq: 24 Jul 2017 12:52

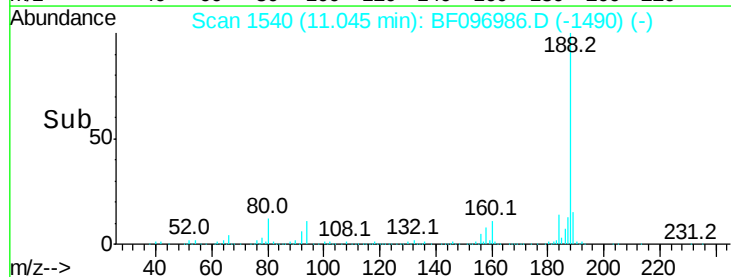
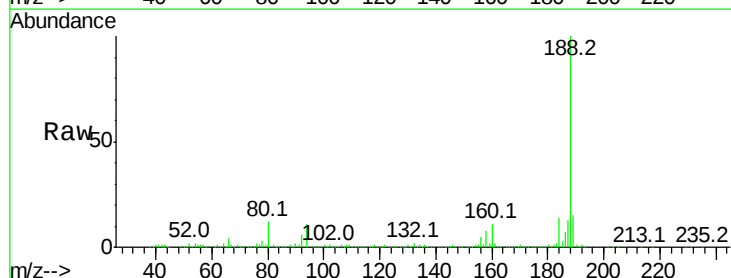
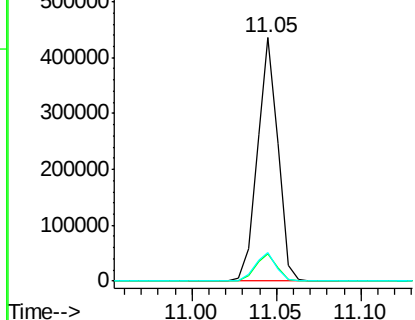
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.4	14.2
80	11.9	10.2	15.2

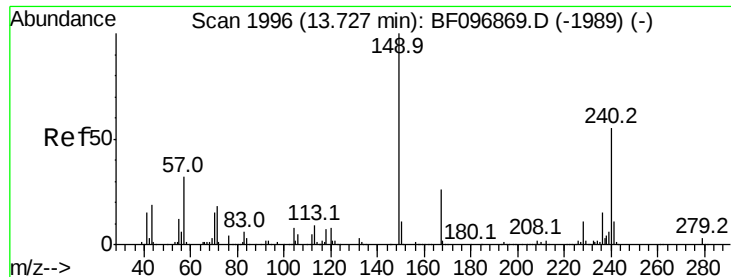
Abundance

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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.67 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF096986.D

Acq: 24 Jul 2017 12:52

Instrument :

BNA_F

ClientSampleId :

E2-N6-BASE

Tot Ion:240 Resp: 217302
Ion Ratio Lower Upper

240 100

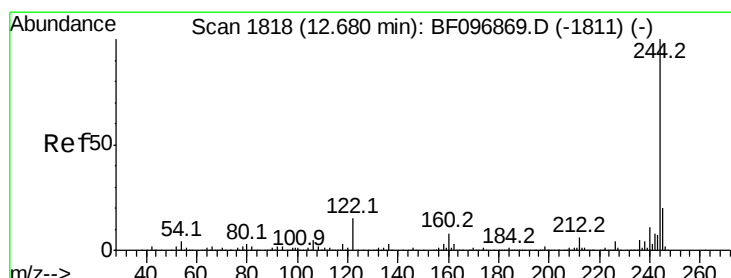
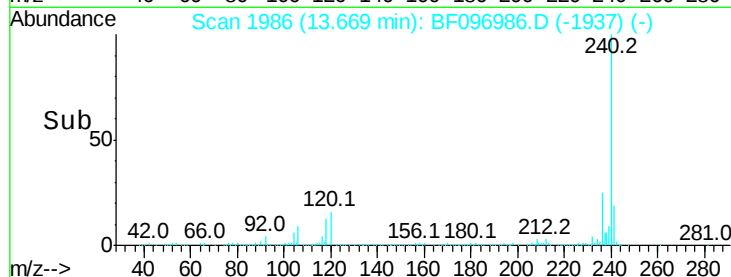
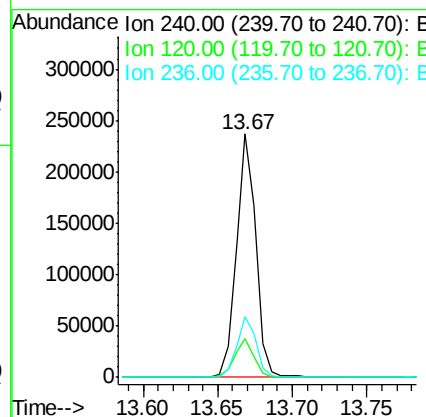
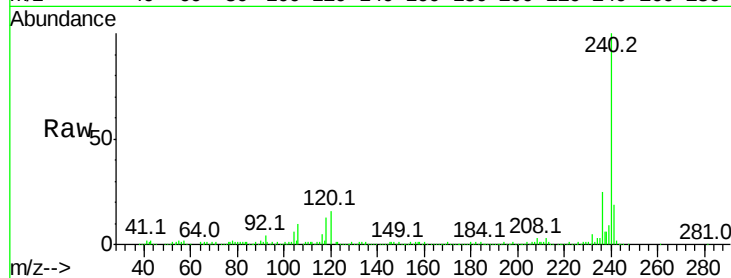
120 16.2 5.8 8.8#

236 24.9 20.5 30.7

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#78

Terphenyl-d14

Concen: 10.017 ng

RT: 12.63 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF096986.D

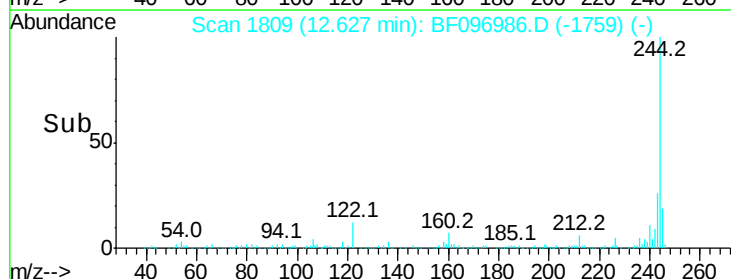
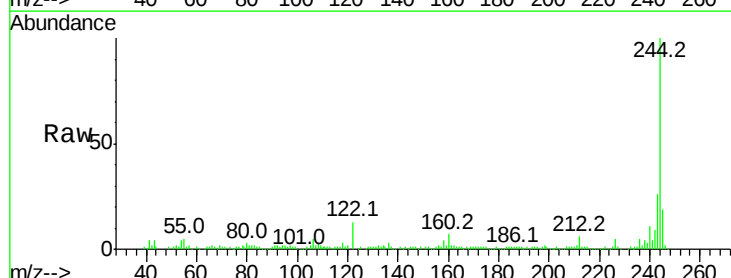
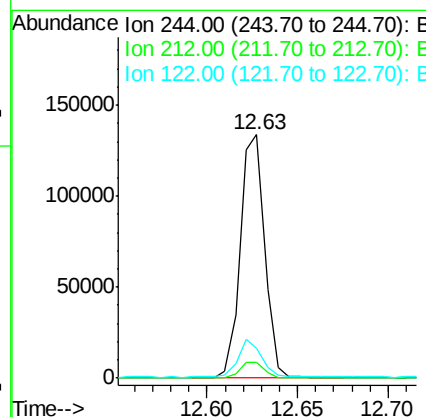
Acq: 24 Jul 2017 12:52

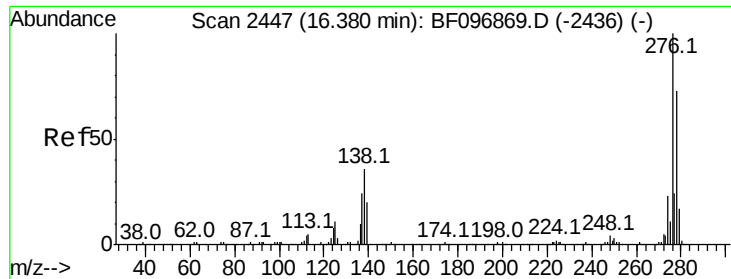
Tgt Ion:244 Resp: 125508
Ion Ratio Lower Upper

244 100

212 6.3 6.0 9.0

122 12.5 10.3 15.5





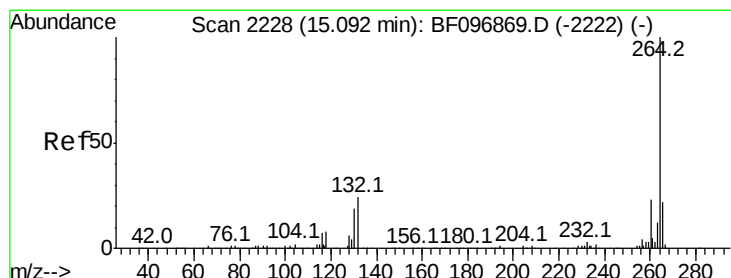
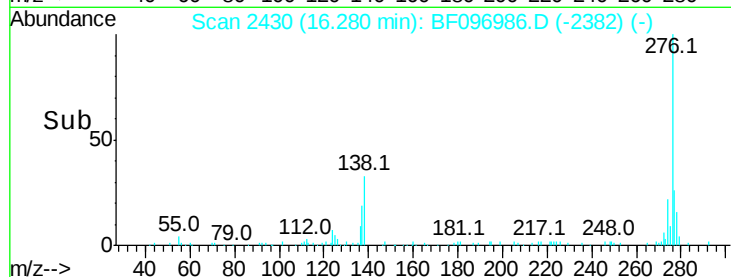
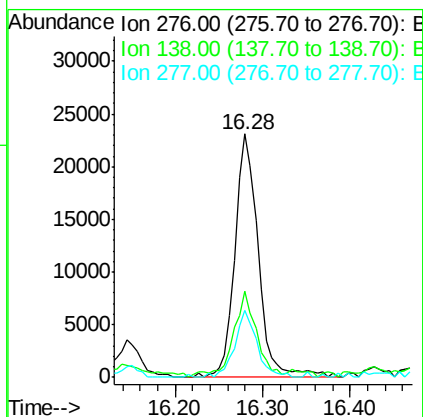
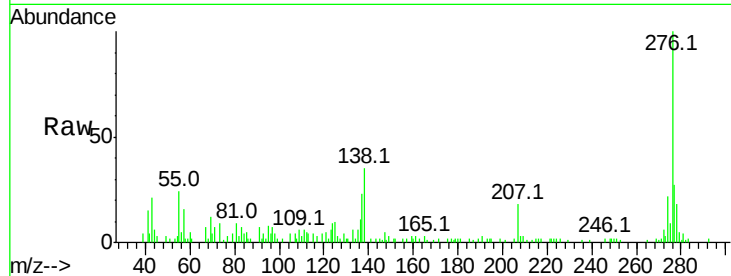
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.583 ng
 RT: 16.28 min Scan# 2430
 Delta R.T. -0.02 min
 Lab File: BF096986.D
 Acq: 24 Jul 2017 12:52

Instrument :
 BNA_F
 ClientSampleId :
 E2-N6-BASE

Tot Ion	Ratio	Lower	Upper
276	100		
138	35.6	27.8	41.6
277	25.9	20.2	30.4

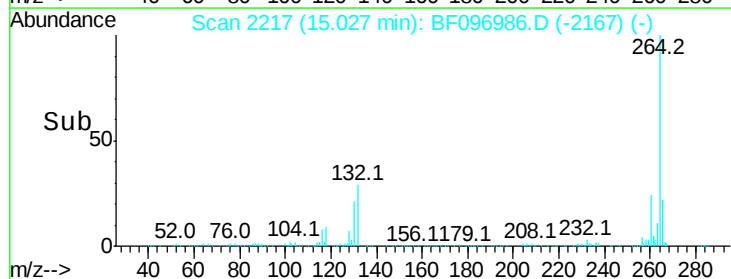
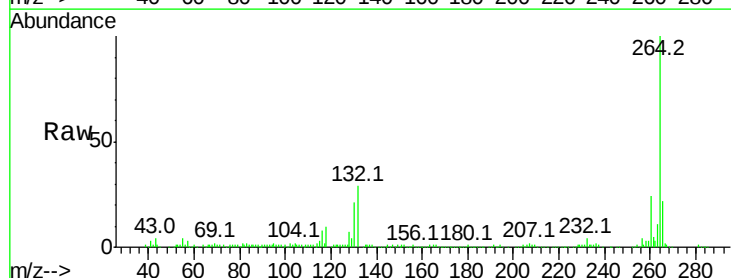
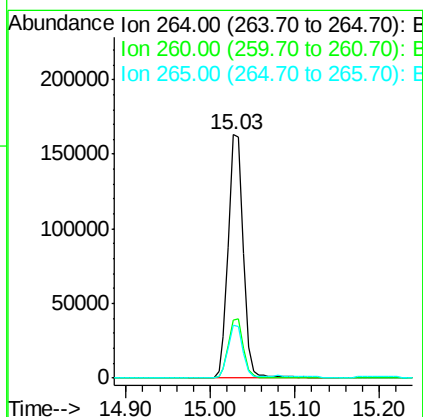
Manual Integrations
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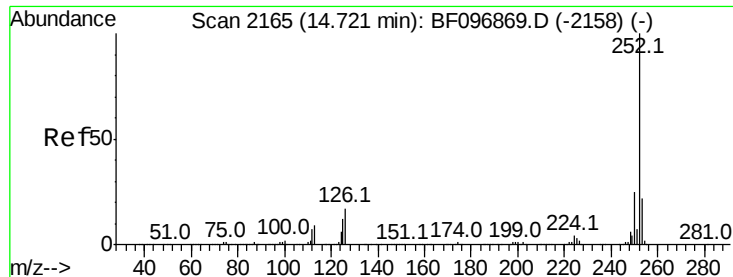
Sohil
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.03 min Scan# 2217
 Delta R.T. -0.01 min
 Lab File: BF096986.D
 Acq: 24 Jul 2017 12:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 3.595 ng m

RT: 14.66 min Scan# 2155

Delta R.T. -0.01 min

Lab File: BF096986.D

Acq: 24 Jul 2017 12:52

Instrument :

BNA_F

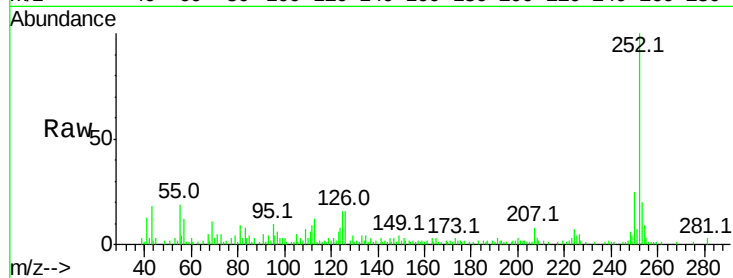
ClientSampleId :

E2-N6-BASE

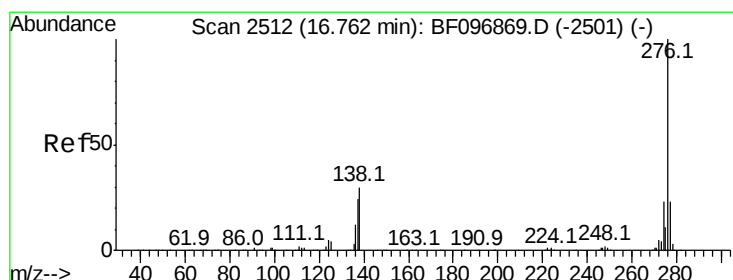
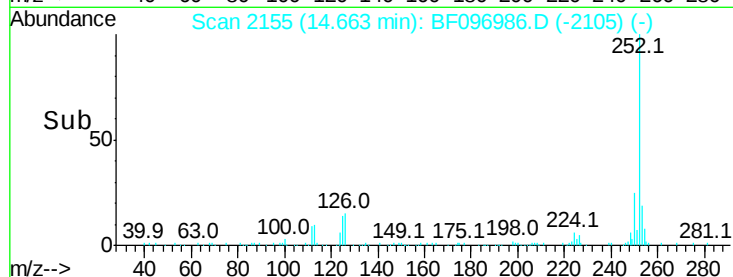
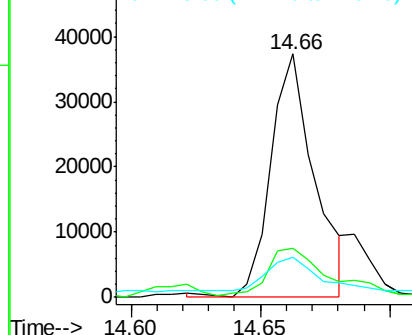
Tot Ion:	252	Resp:	43617
Ion Ratio	Lower	Upper	
252	100		
253	19.9	18.1	27.1
125	16.2	9.8	14.8#

Manual Integrations
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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



#91

Benzo(g,h,i)perylene

Concen: 3.980 ng

RT: 16.66 min Scan# 2494

Delta R.T. -0.01 min

Lab File: BF096986.D

Acq: 24 Jul 2017 12:52

Tgt Ion:	276	Resp:	43648
Ion Ratio	Lower	Upper	
276	100		
277	22.9	18.6	28.0
138	29.4	25.4	38.0

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

