

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072017\
 Data File : BF096933.D
 Acq On : 21 Jul 2017 5:28
 Operator : SJ/JU
 Sample : I4253-05
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-06-BASE

Manual Integrations
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Sohil
 7/21/2017 1:06:15 PM

Quant Time: Jul 21 09:13:27 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	96392	20.00	ng	-0.03
21) Naphthalene-d8	7.85	136	401490	20.00	ng	-0.04
38) Acenaphthene-d10	9.60	164	165511	20.00	ng	-0.04
63) Phenanthrene-d10	11.07	188	234943	20.00	ng	-0.03
75) Chrysene-d12	13.70	240	186311	20.00	ng	-0.03
86) Perylene-d12	15.07	264	154467	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	688954	107.47	ng	-0.02
7) Phenol-d6	6.23	99	835544	108.61	ng	-0.02
23) Nitrobenzene-d5	7.13	82	402266	62.06	ng	-0.04
41) 2,4,6-Tribromophenol	10.39	330	122128	86.45	ng	-0.04
44) 2-Fluorobiphenyl	8.93	172	705555	67.35	ng	-0.03
78) Terphenyl-d14	12.66	244	415783	38.70	ng	-0.03
Target Compounds						
10) Phenol	6.23	94	20876	2.400	ng	90
49) Dimethylphthalate	9.33	163	153708	12.334	ng	99
70) Phenanthrene	11.10	178	144916	11.344	ng	98
71) Anthracene	11.15	178	32716	2.533	ng	98
74) Fluoranthene	12.28	202	195934	16.024	ng	99
77) Pyrene	12.50	202	184898	10.935	ng	99
80) Benzo(a)anthracene	13.69	228	98127	8.453	ng	98
82) Chrysene	13.73	228	82912	7.255	ng	95
85) Indeno(1,2,3-cd)pyrene	16.34	276	36603	6.649	ng	96
87) Benzo(b)fluoranthene	14.70	252	105829m	11.360	ng	
88) Benzo(k)fluoranthene	14.72	252	24945m	2.828	ng	
89) Benzo(a)pyrene	15.02	252	69302	8.111	ng	99
91) Benzo(a,h,i)perylene	16.72	276	34340	4.079	ng	94

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

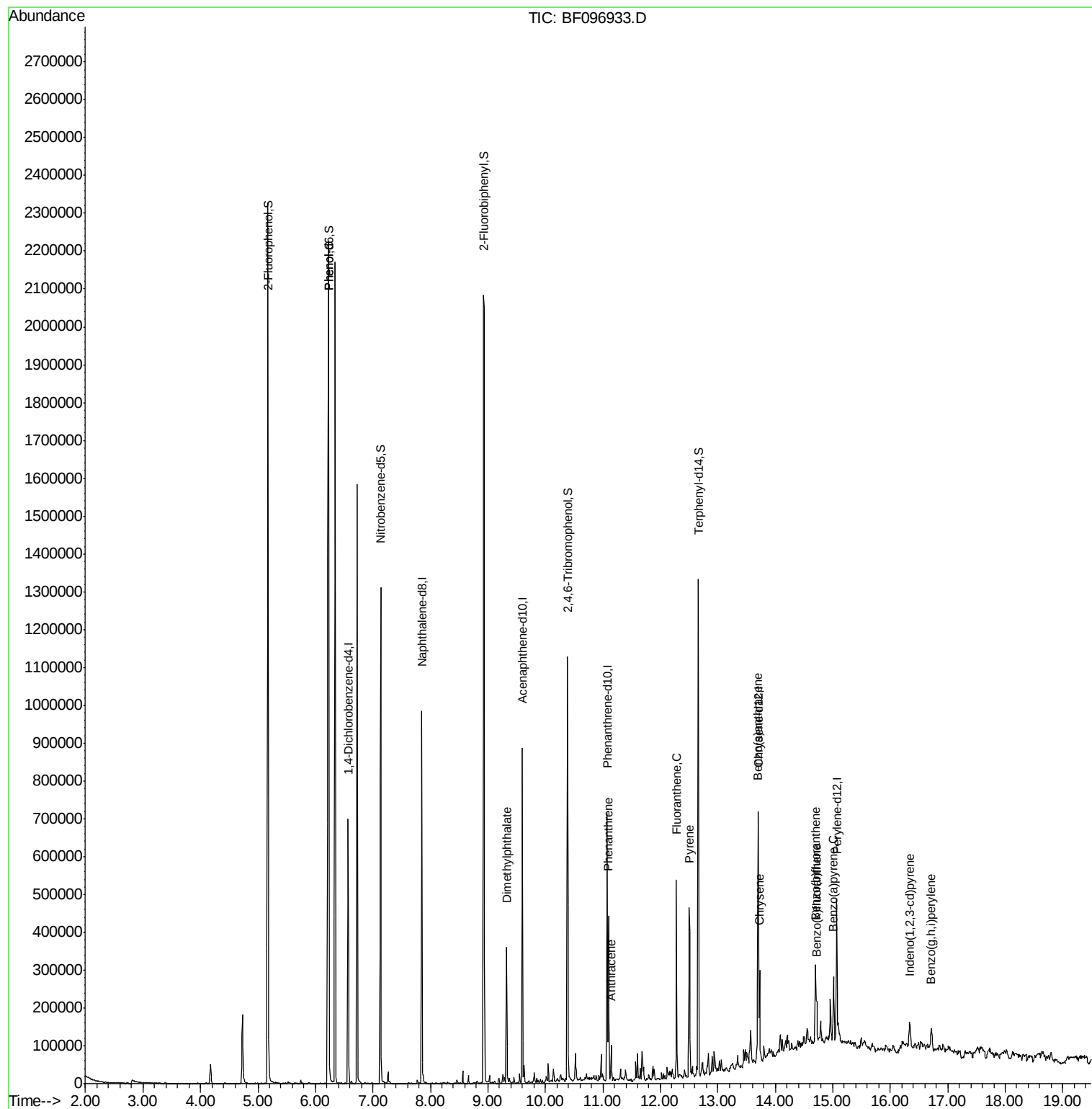
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072017\
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ALS Vial : 30 Sample Multiplier: 1

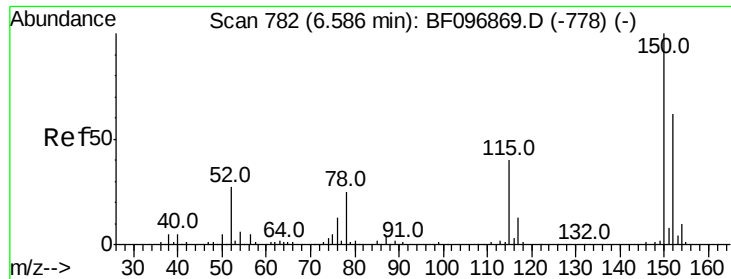
Instrument :
BNA_F
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E2-06-BASE

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#1

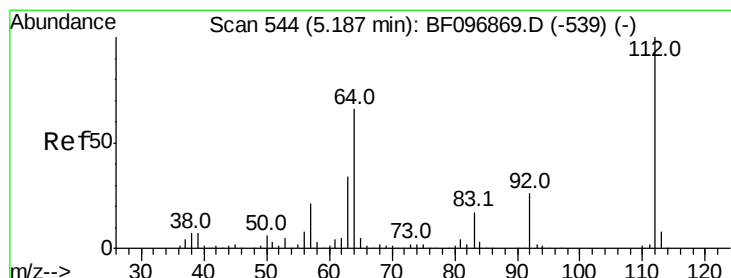
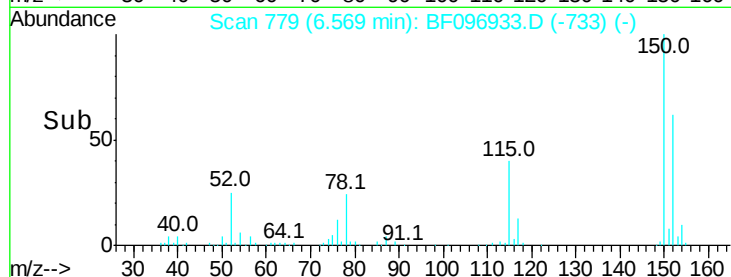
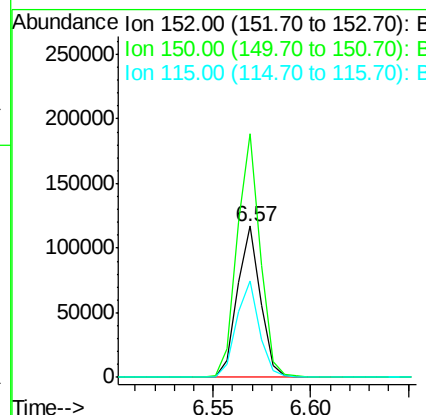
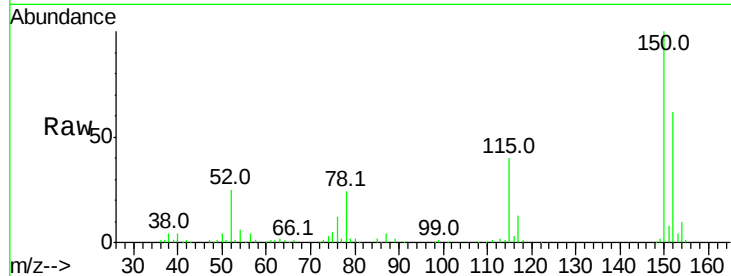
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.57 min Scan# 779
Delta R.T. -0.03 min
Lab File: BF096933.D
Acq: 21 Jul 2017 5:28

Instrument :
BNA_F
ClientSampled :
E2-06-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.8	126.2	189.2
115	63.8	52.2	78.2

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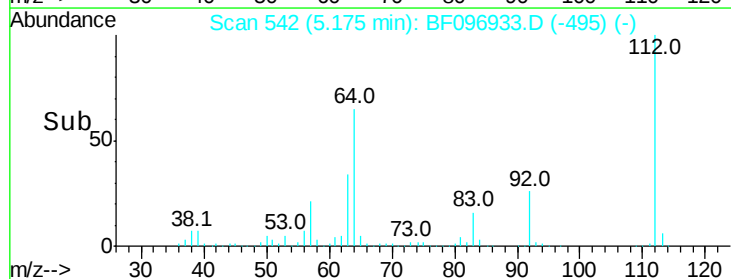
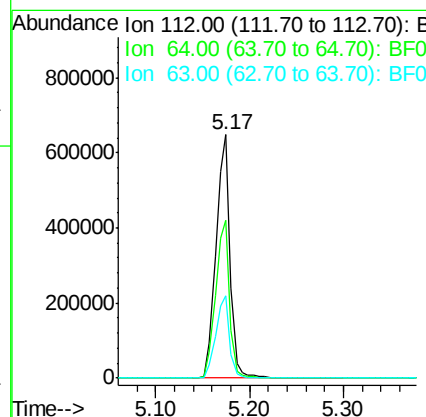
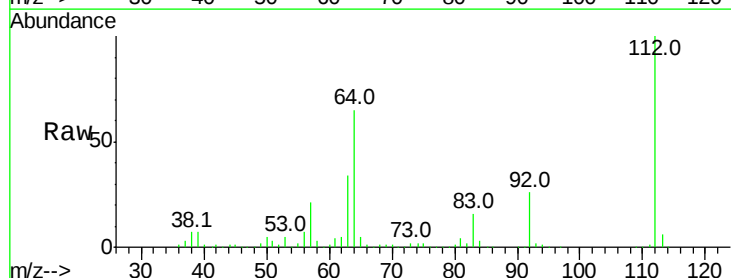
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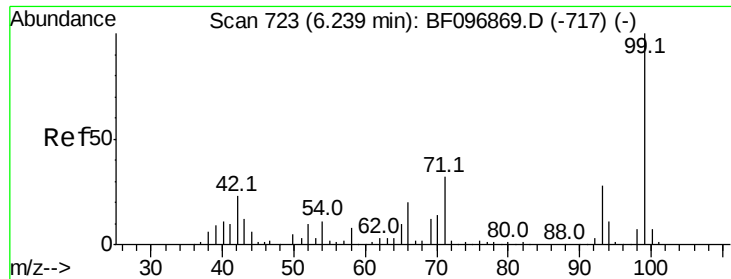


#5

2-Fluorophenol
Concen: 107.467 ng
RT: 5.17 min Scan# 542
Delta R.T. -0.02 min
Lab File: BF096933.D
Acq: 21 Jul 2017 5:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	46.0	69.0
63	33.7	23.4	35.0





#7

Phenol-d6

Concen: 108.609 ng

RT: 6.23 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096933.D

Acq: 21 Jul 2017 5:28

Instrument :

BNA_F

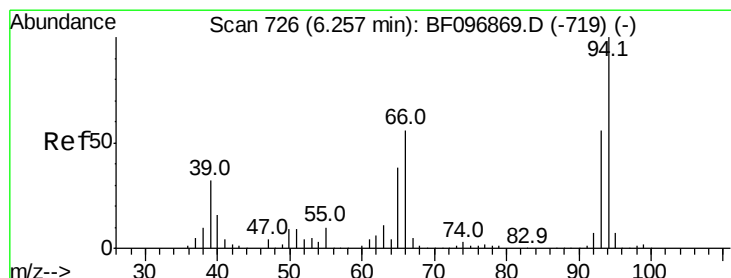
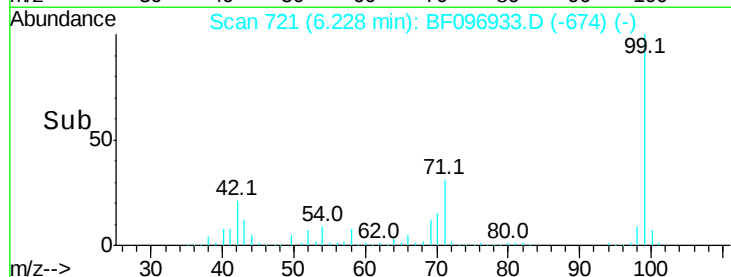
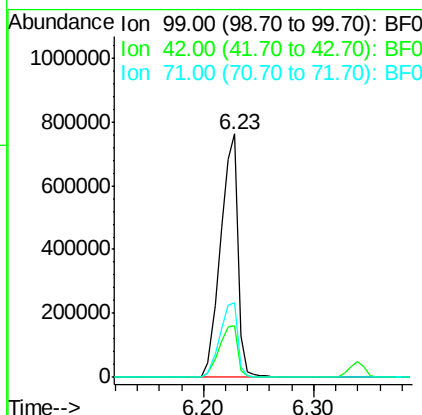
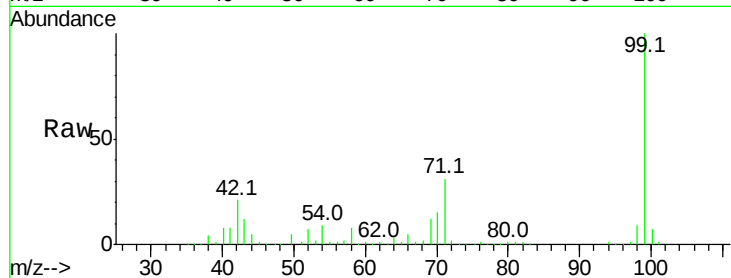
ClientSampleId :

E2-06-BASE

Tot Ion:	99	Resp:	835544
Ion Ratio	Lower	Upper	
99	100		
42	21.4	13.5	20.3#
71	30.9	24.5	36.7

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#10

Phenol

Concen: 2.400 ng

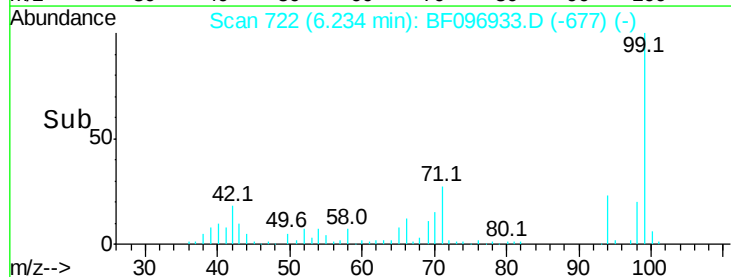
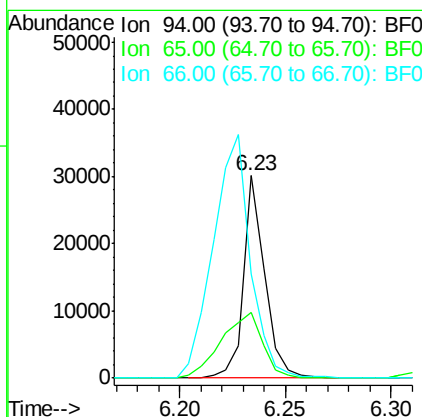
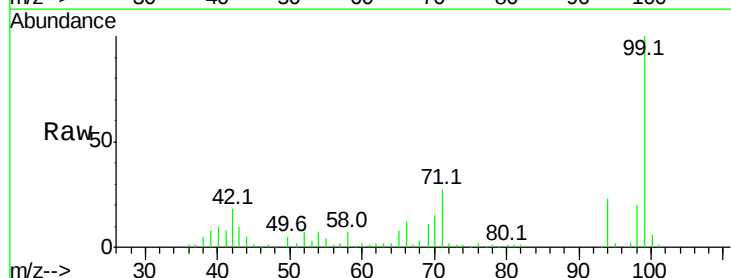
RT: 6.23 min Scan# 722

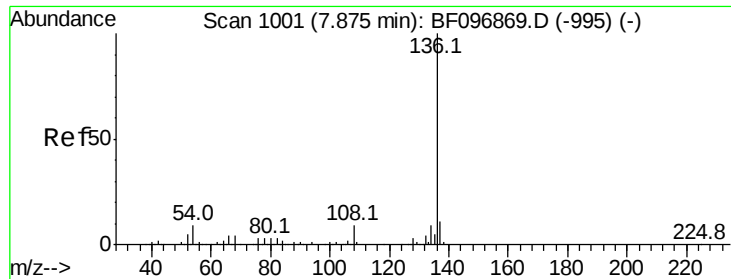
Delta R.T. -0.04 min

Lab File: BF096933.D

Acq: 21 Jul 2017 5:28

Tgt Ion:	94	Resp:	20876
Ion Ratio	Lower	Upper	
94	100		
65	32.4	9.9	49.9
66	51.7	23.1	63.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.85 min Scan# 997

Delta R.T. -0.04 min

Lab File: BF096933.D

Acq: 21 Jul 2017 5:28

Instrument :

BNA_F

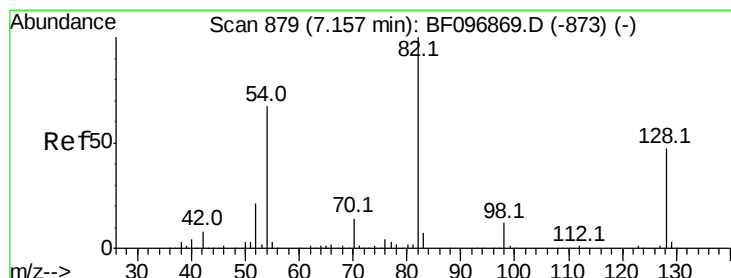
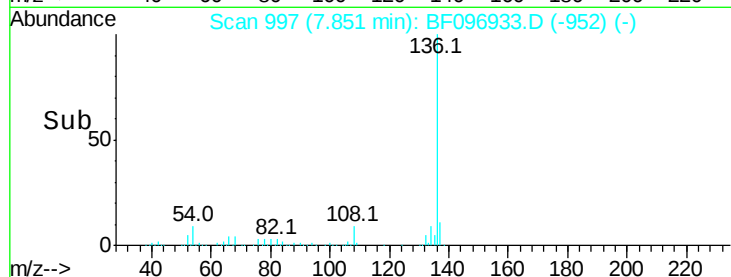
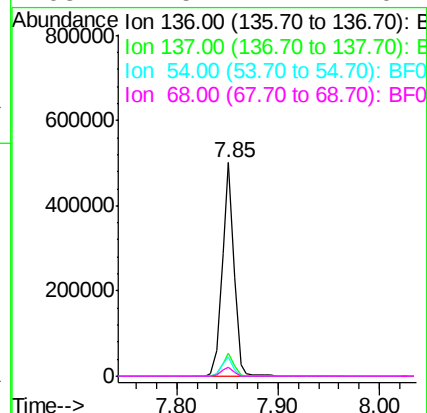
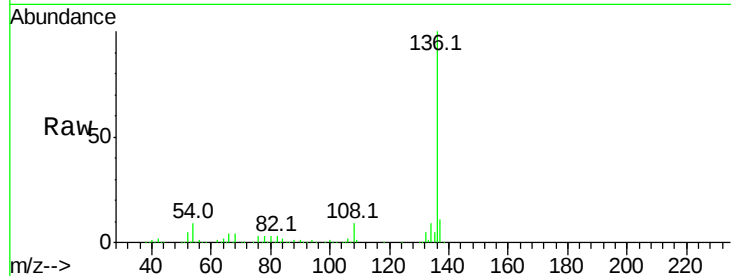
ClientSampleId :

E2-06-BASE

Tot Ion	Ratio	Resp	Lower	Upper
136	100	401490		
137	11.0	8.5	12.7	
54	9.1	4.9	7.3	
68	4.5	4.1	6.1	

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#23

Nitrobenzene-d5

Concen: 62.061 ng

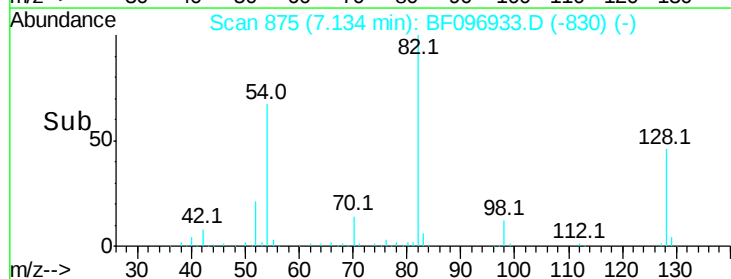
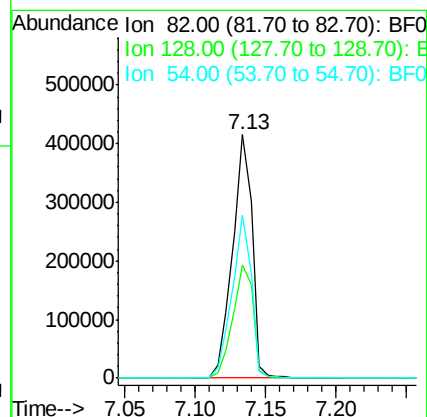
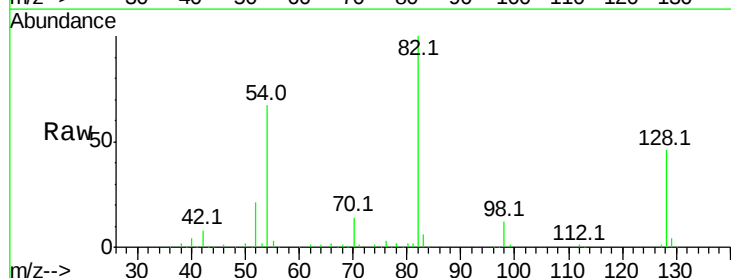
RT: 7.13 min Scan# 875

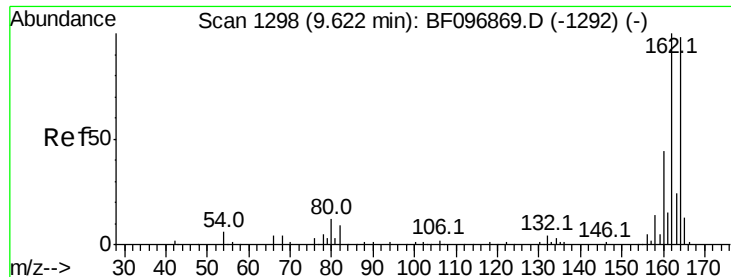
Delta R.T. -0.04 min

Lab File: BF096933.D

Acq: 21 Jul 2017 5:28

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	402266		
128	46.4	34.0	51.0	
54	67.1	42.2	63.2	





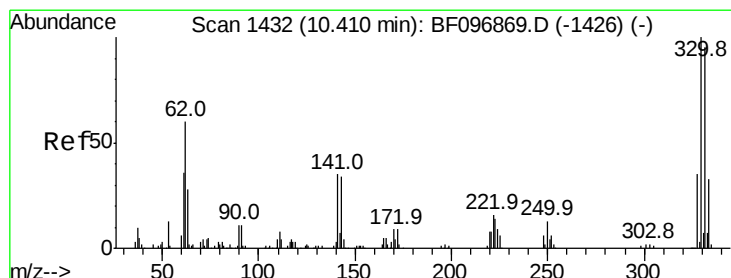
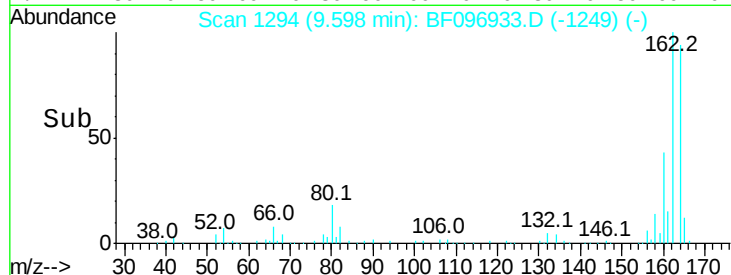
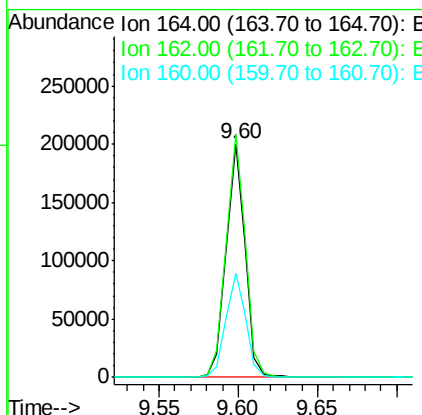
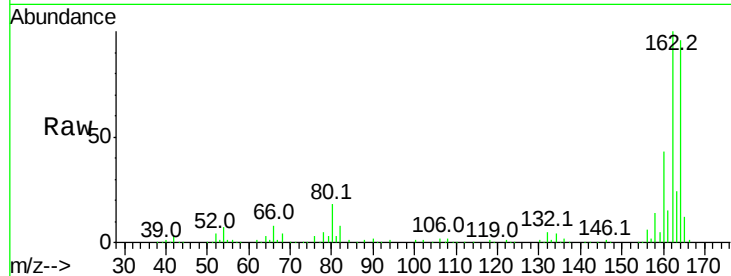
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.60 min Scan# 1294
Delta R.T. -0.04 min
Lab File: BF096933.D
Acq: 21 Jul 2017 5:28

Instrument :
BNA_F
ClientSampleId :
E2-06-BASE

Tot Ion	Ratio	Resp	Lower	Upper
164	100	165511		
162	104.2	82.6	123.8	
160	44.8	36.2	54.2	

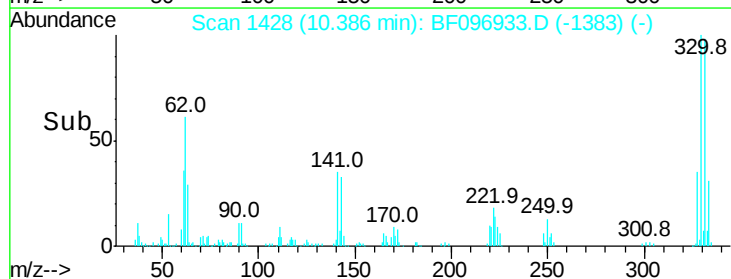
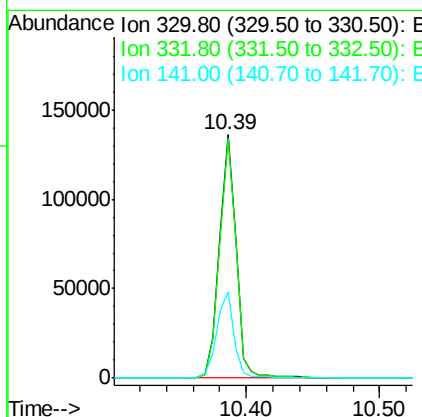
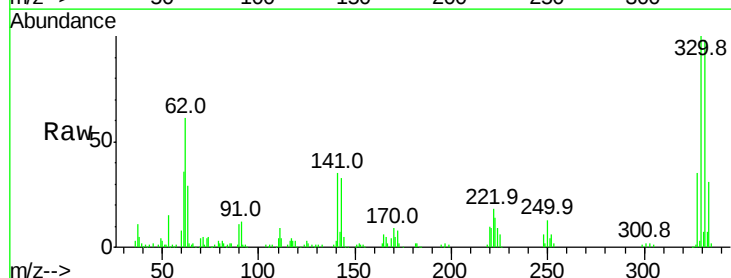
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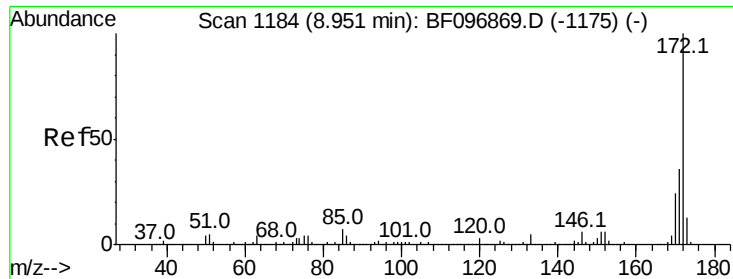
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#41
2,4,6-Tribromophenol
Concen: 86.445 ng
RT: 10.39 min Scan# 1428
Delta R.T. -0.04 min
Lab File: BF096933.D
Acq: 21 Jul 2017 5:28

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	122128		
332	98.1	76.6	115.0	
141	36.7	31.4	47.2	





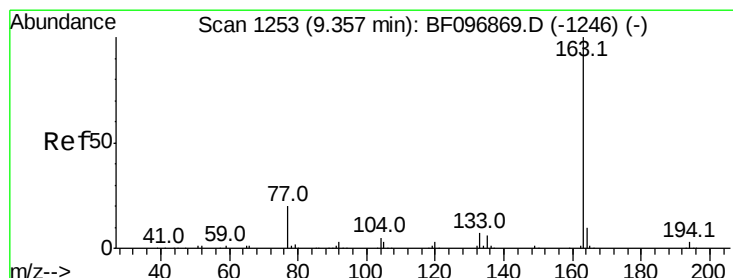
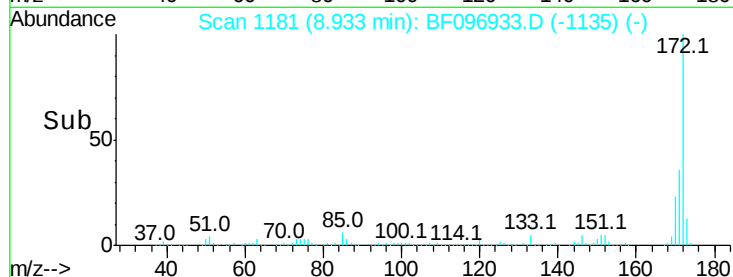
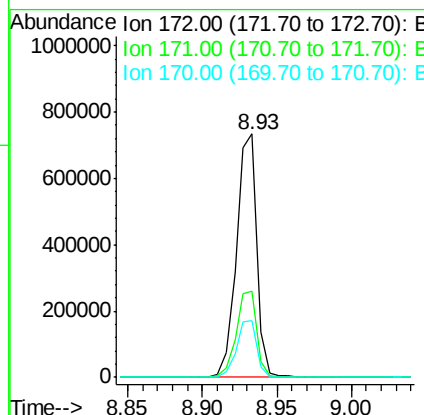
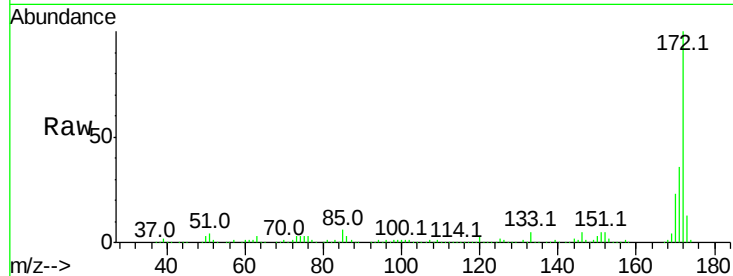
#44
 2-Fluorobiphenyl
 Concen: 67.350 ng
 RT: 8.93 min Scan# 1181
 Delta R.T. -0.03 min
 Lab File: BF096933.D
 Acq: 21 Jul 2017 5:28

Instrument :
 BNA_F
 ClientSampleId :
 E2-06-BASE

Tot Ion:	172	Resp:	705555
Ion Ratio	Lower	Upper	
172	100		
171	35.6	29.6	44.4
170	23.5	19.8	29.8

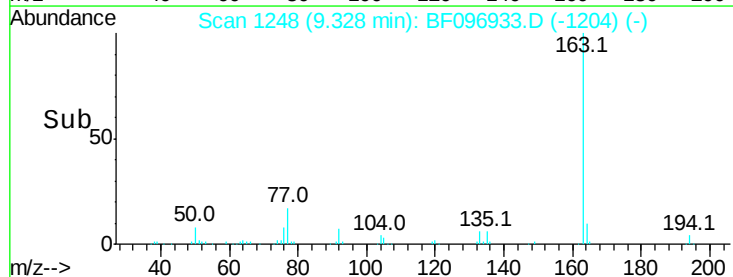
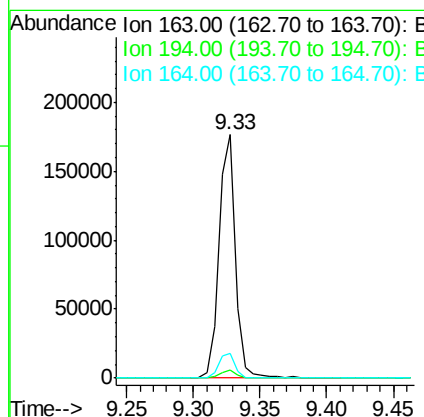
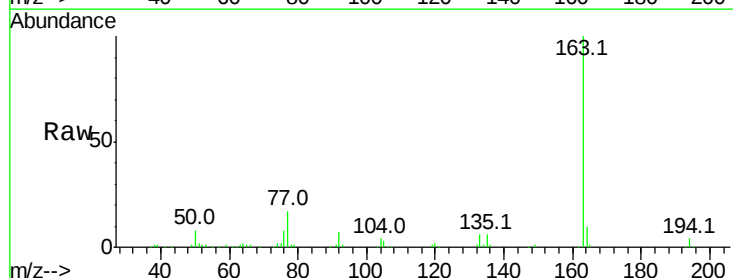
Manual Integrations
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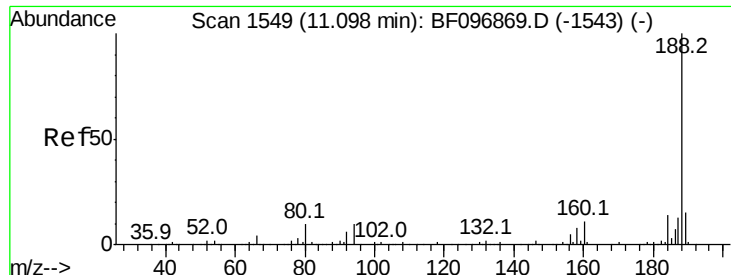
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#49
 Dimethylphthalate
 Concen: 12.334 ng
 RT: 9.33 min Scan# 1248
 Delta R.T. -0.04 min
 Lab File: BF096933.D
 Acq: 21 Jul 2017 5:28

Tgt Ion:	163	Resp:	153708
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.6	4.0
164	10.0	8.4	12.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.07 min Scan# 1545

Delta R.T. -0.03 min

Lab File: BF096933.D

Acq: 21 Jul 2017 5:28

Instrument :

BNA_F

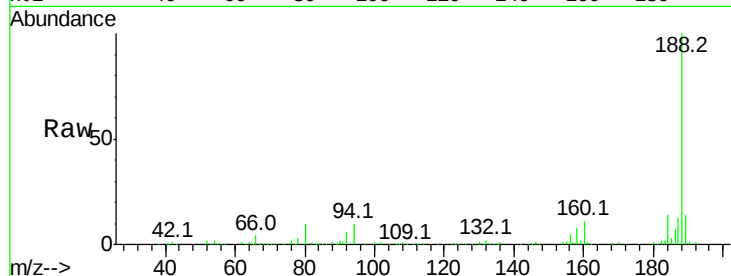
ClientSampleId :

E2-06-BASE

Tot Ion:	188	Resp:	234943
Ion Ratio	Lower	Upper	
188	100		
94	10.1	9.4	14.2
80	10.5	10.2	15.2

Manual Integrations
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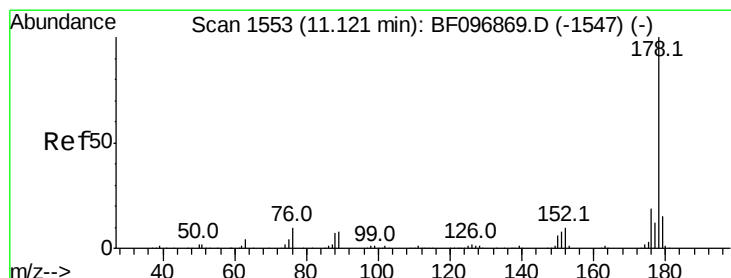
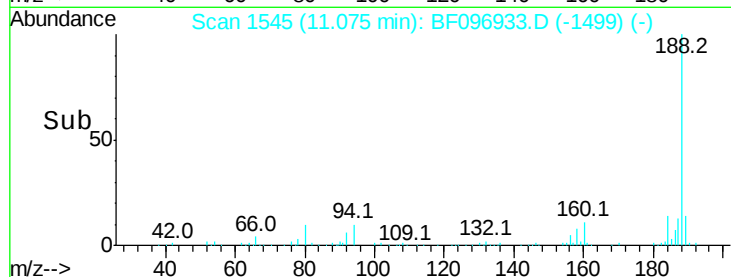
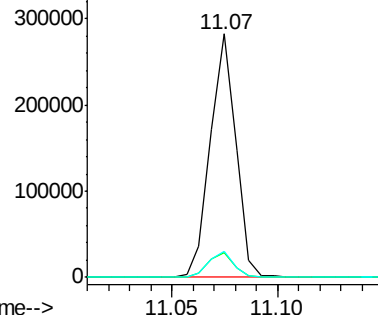
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 11.344 ng

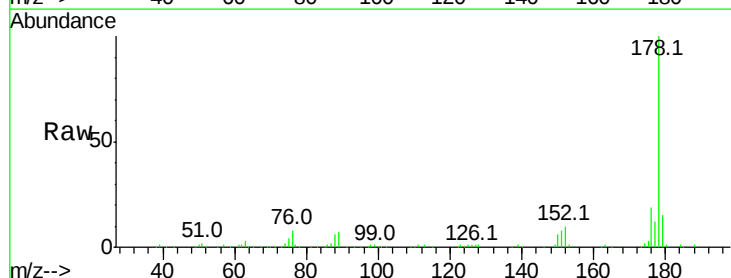
RT: 11.10 min Scan# 1549

Delta R.T. -0.04 min

Lab File: BF096933.D

Acq: 21 Jul 2017 5:28

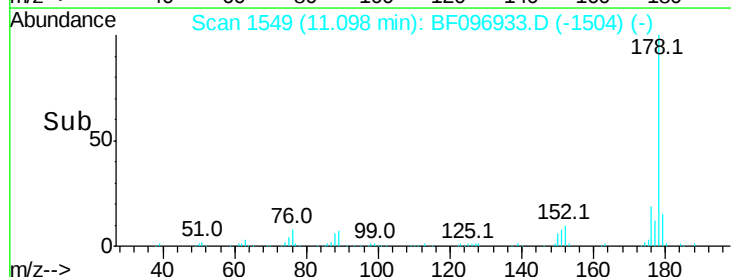
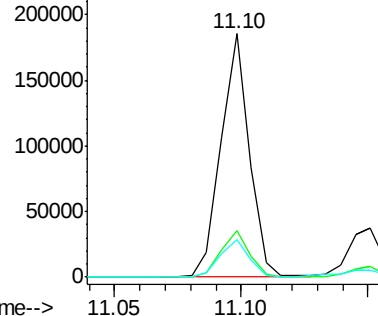
Tgt Ion:	178	Resp:	144916
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.2	24.4
179	15.4	12.6	19.0

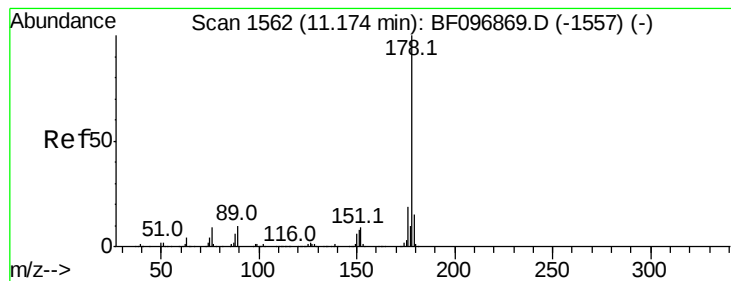


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





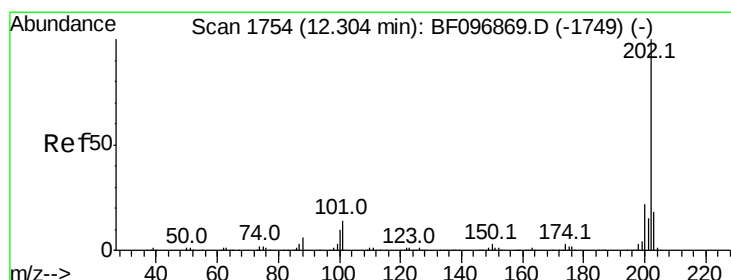
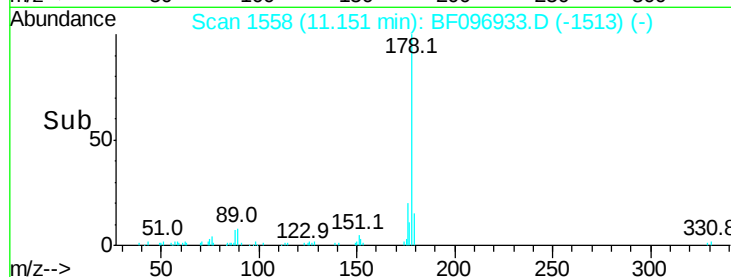
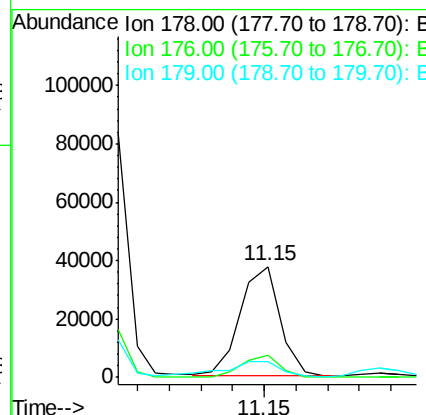
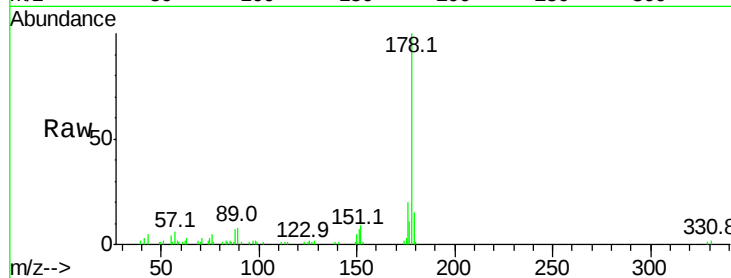
#71
 Anthracene
 Concen: 2.533 ng
 RT: 11.15 min Scan# 1558
 Delta R.T. -0.04 min
 Lab File: BF096933.D
 Acq: 21 Jul 2017 5:28

Instrument :
 BNA_F
 ClientSampled :
 E2-06-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.8	23.8
179	14.5	12.7	19.1

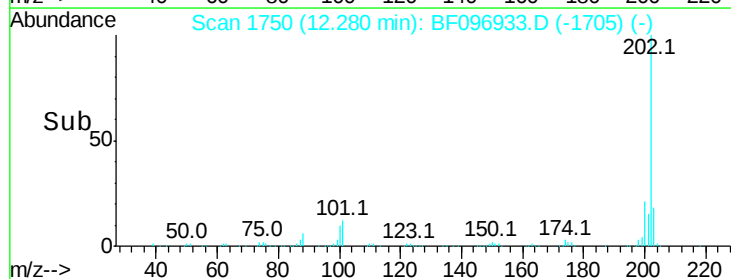
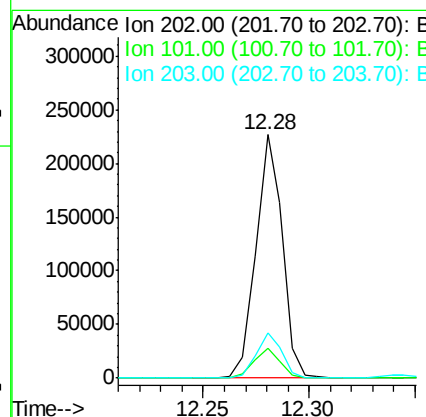
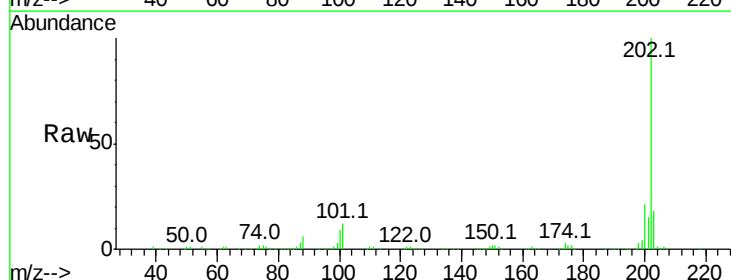
Manual Integrations
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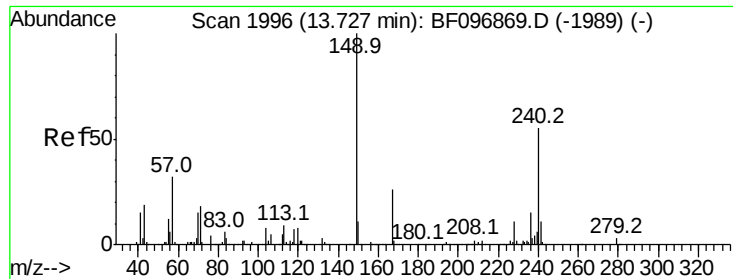
Sohil
 7/21/2017 1:06:15 PM



#74
 Fluoranthene
 Concen: 16.024 ng
 RT: 12.28 min Scan# 1750
 Delta R.T. -0.04 min
 Lab File: BF096933.D
 Acq: 21 Jul 2017 5:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	33.2
203	18.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.70 min Scan# 1992

Delta R.T. -0.03 min

Lab File: BF096933.D

Acq: 21 Jul 2017 5:28

Instrument :

BNA_F

ClientSampled :

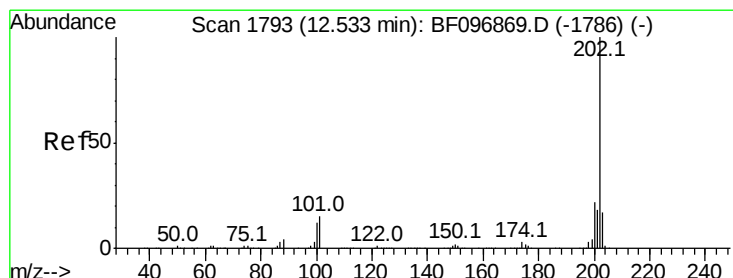
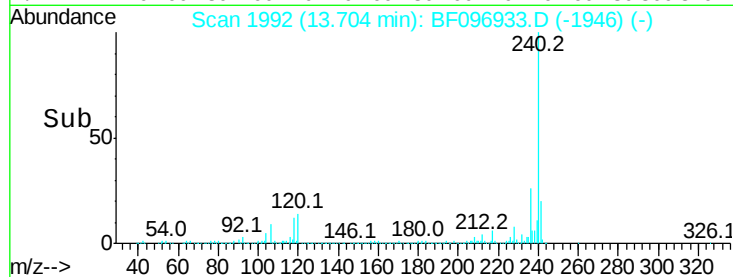
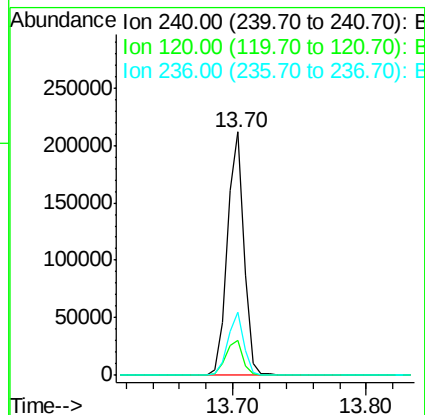
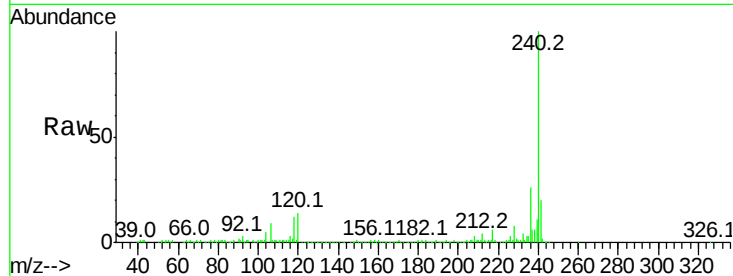
E2-06-BASE

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.3	5.8	8.8#
236	25.8	20.5	30.7

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#77

Pyrene

Concen: 10.935 ng

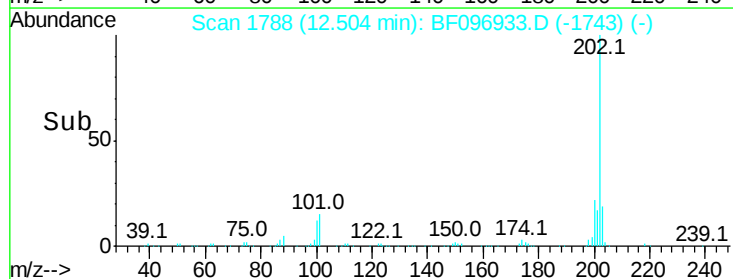
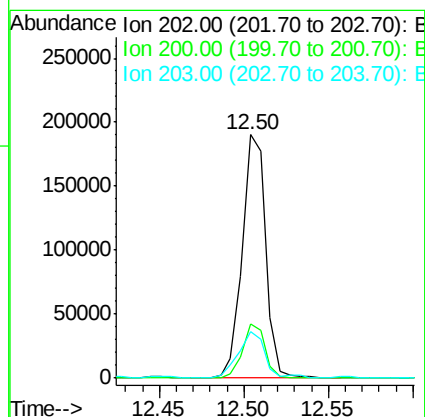
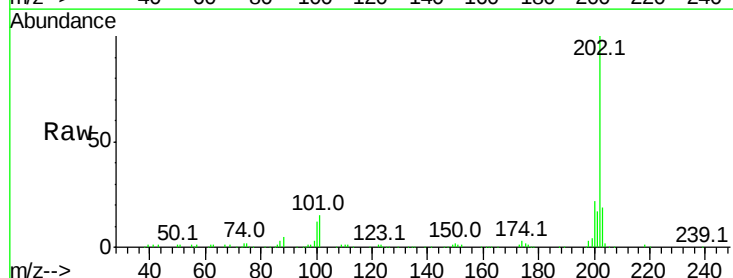
RT: 12.50 min Scan# 1788

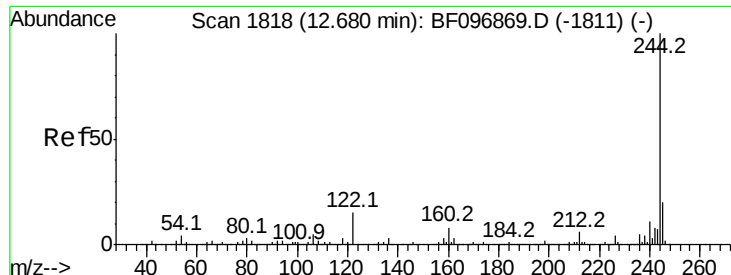
Delta R.T. -0.04 min

Lab File: BF096933.D

Acq: 21 Jul 2017 5:28

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.6	26.4
203	18.9	14.4	21.6





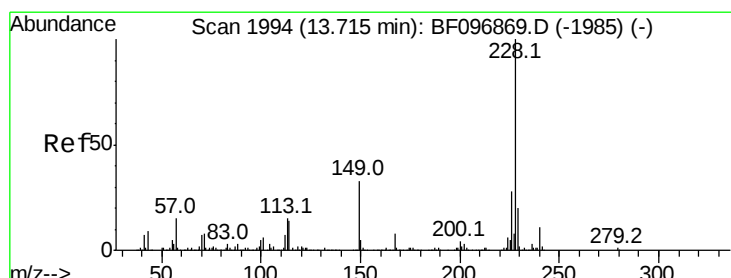
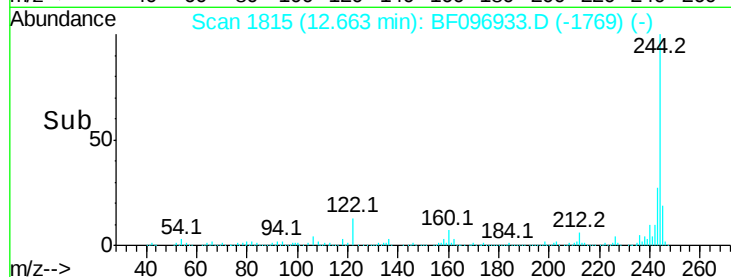
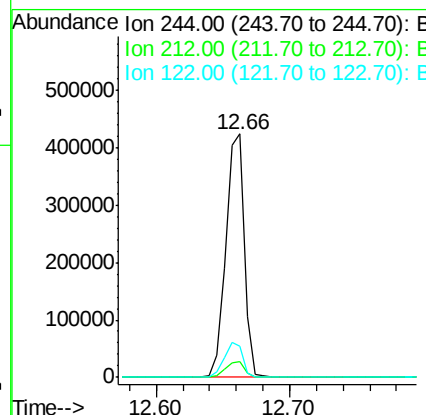
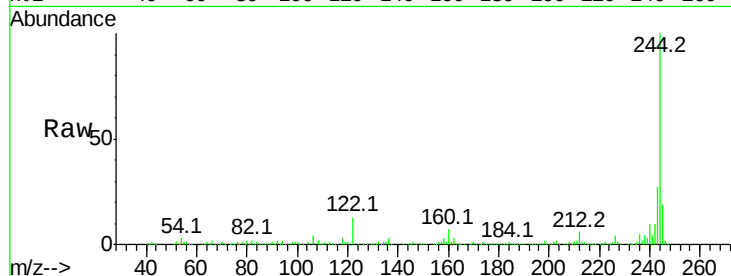
#78
 Terphenyl-d14
 Concen: 38.703 ng
 RT: 12.66 min Scan# 1815
 Delta R.T. -0.03 min
 Lab File: BF096933.D
 Acq: 21 Jul 2017 5:28

Instrument :
 BNA_F
 ClientSampled :
 E2-06-BASE

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.0	9.0
122	12.7	10.3	15.5

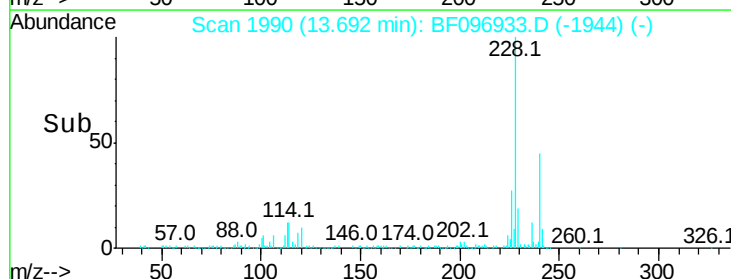
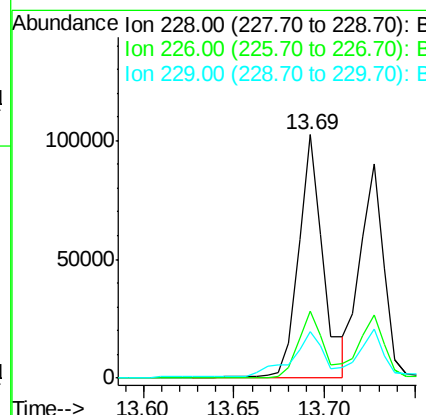
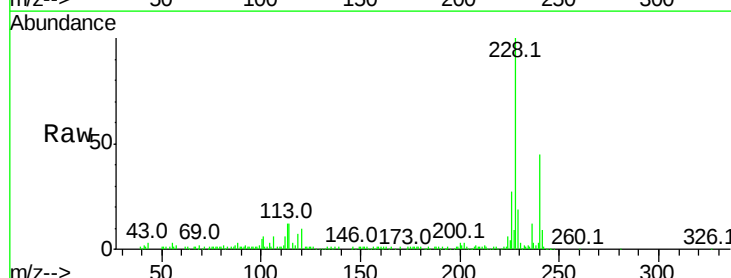
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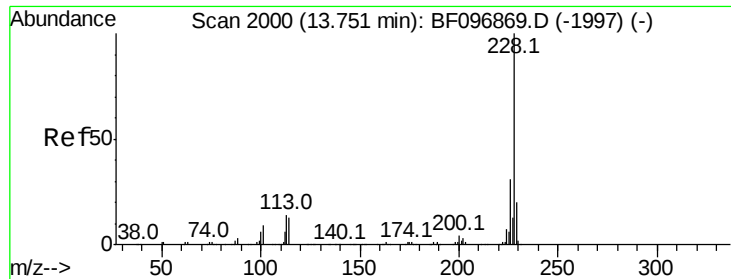
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#80
 Benzo(a)anthracene
 Concen: 8.453 ng
 RT: 13.69 min Scan# 1990
 Delta R.T. -0.03 min
 Lab File: BF096933.D
 Acq: 21 Jul 2017 5:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	19.3	16.3	24.5





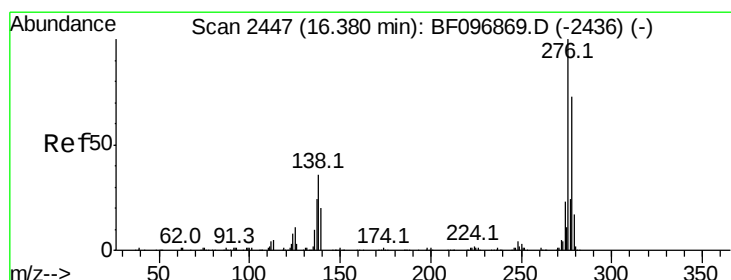
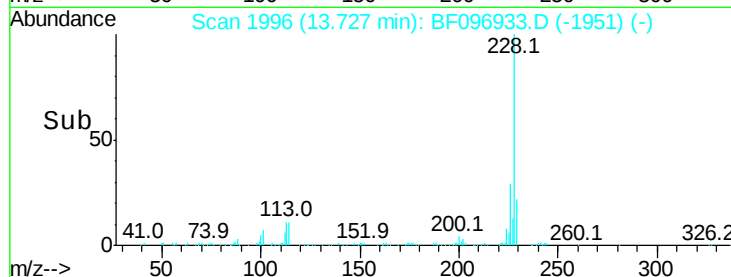
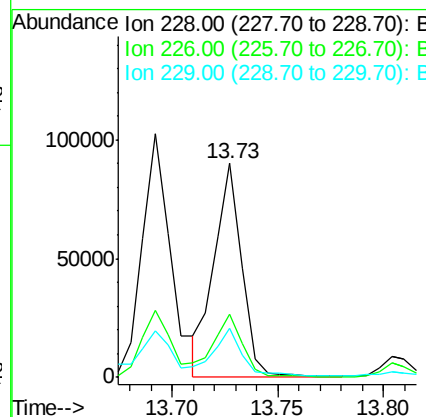
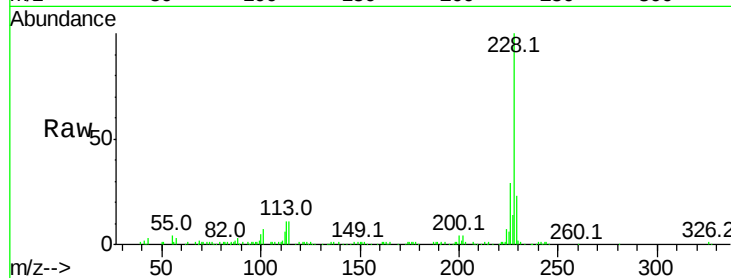
#82
Chrysene
Concen: 7.255 ng
RT: 13.73 min Scan# 1996
Delta R.T. -0.04 min
Lab File: BF096933.D
Acq: 21 Jul 2017 5:28

Instrument :
BNA_F
ClientSampled :
E2-06-BASE

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.9	37.3
229	22.9	15.8	23.6

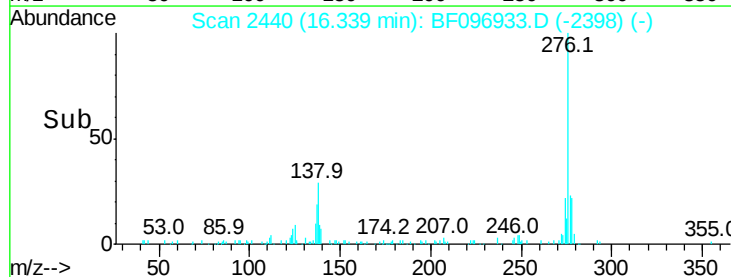
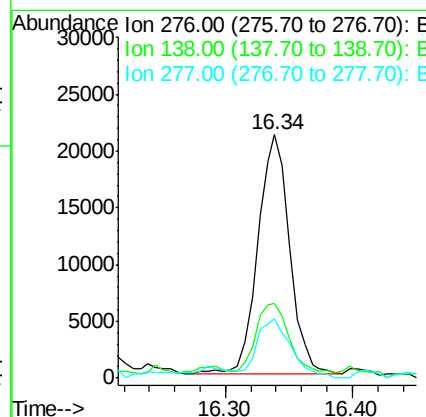
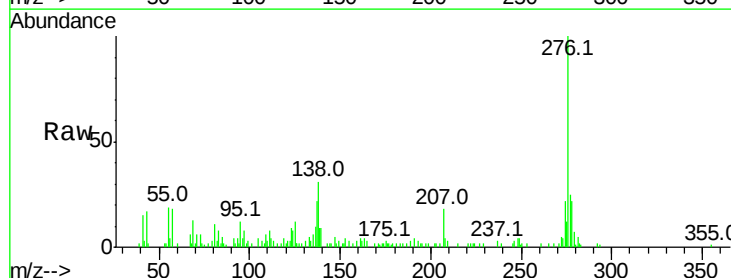
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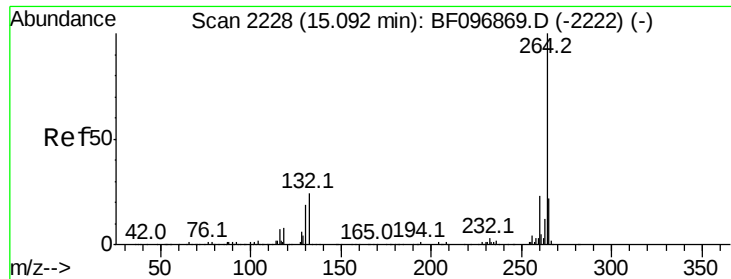
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.649 ng
RT: 16.34 min Scan# 2440
Delta R.T. -0.05 min
Lab File: BF096933.D
Acq: 21 Jul 2017 5:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.1	27.8	41.6
277	26.8	20.2	30.4





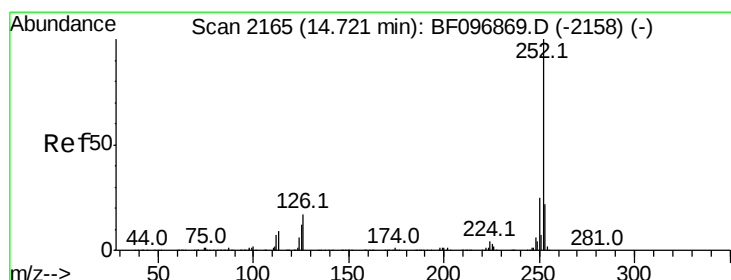
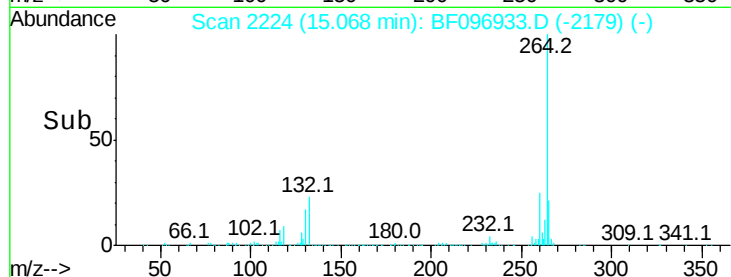
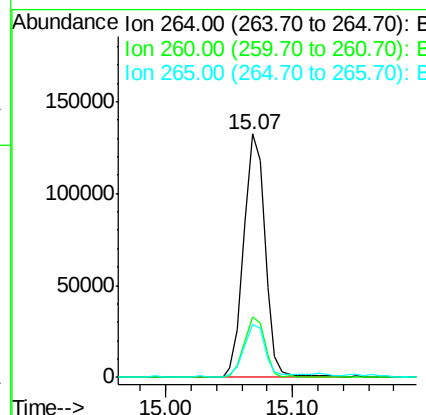
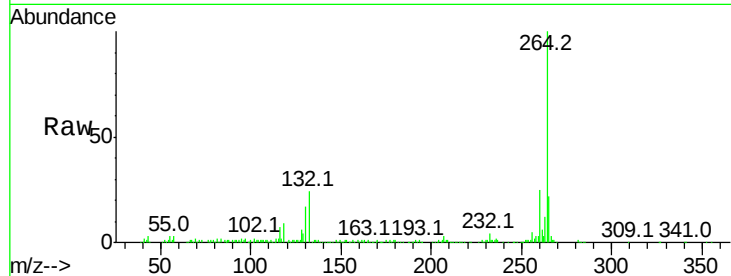
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.07 min Scan# 2224
Delta R.T. -0.04 min
Lab File: BF096933.D
Acq: 21 Jul 2017 5:28

Instrument :
BNA_F
ClientSampleId :
E2-06-BASE

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.5	29.3
265	21.6	17.2	25.8

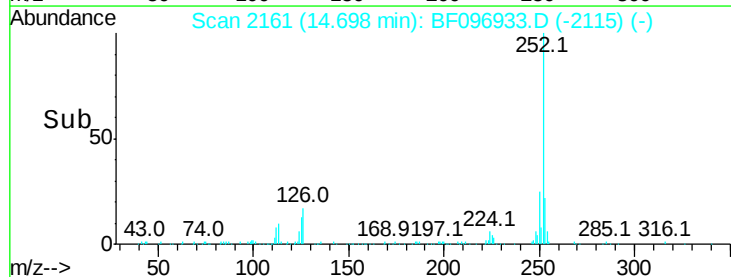
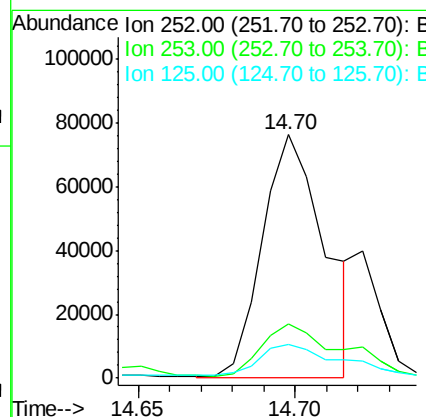
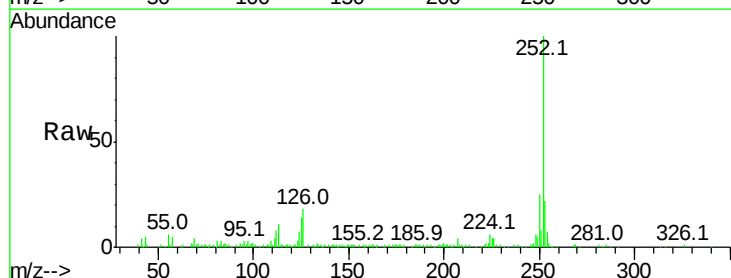
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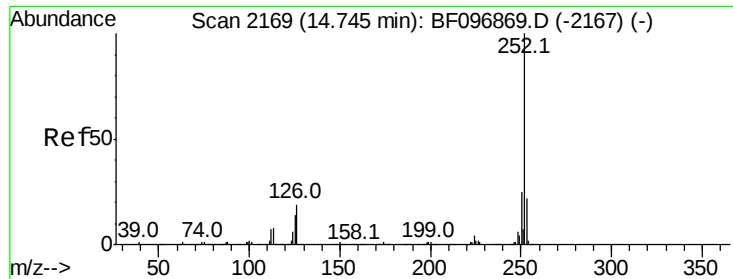
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#87
Benzo(b)fluoranthene
Concen: 11.360 ng m
RT: 14.70 min Scan# 2161
Delta R.T. -0.03 min
Lab File: BF096933.D
Acq: 21 Jul 2017 5:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	13.7	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 2.828 ng

RT: 14.72 min Scan# 2165

Delta R.T. -0.04 min

Lab File: BF096933.D

Acq: 21 Jul 2017 5:28

Instrument :

BNA_F

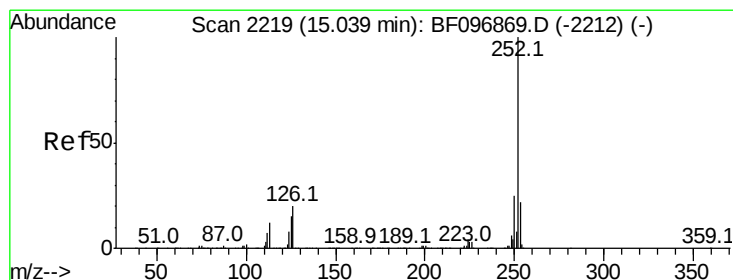
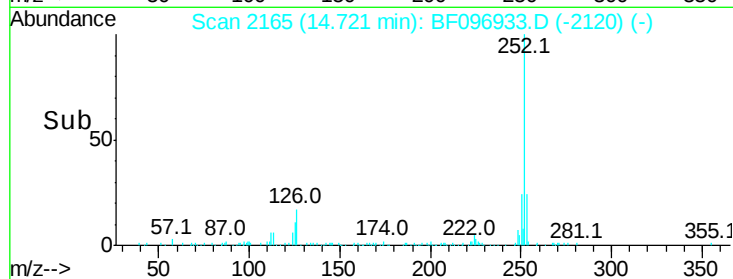
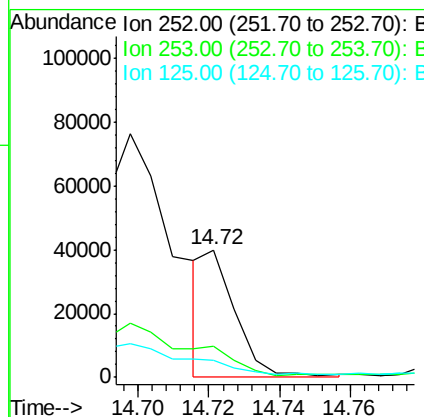
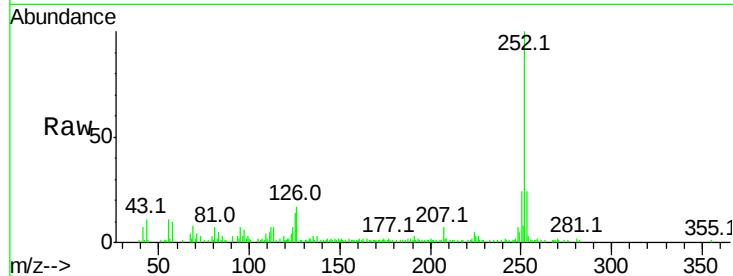
ClientSampled :

E2-06-BASE

Tot Ion:	252	Resp:	24945
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.4	27.6
125	13.7	13.1	19.7

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 8.111 ng

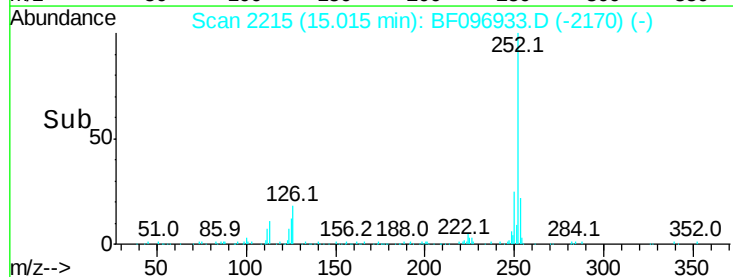
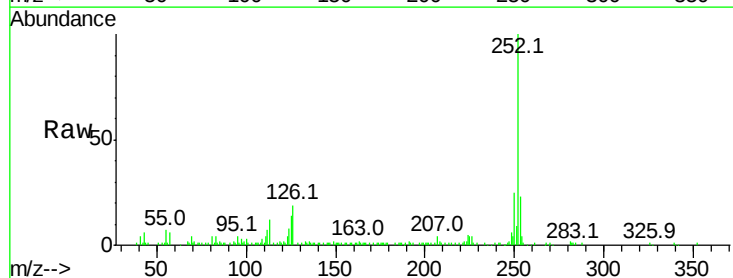
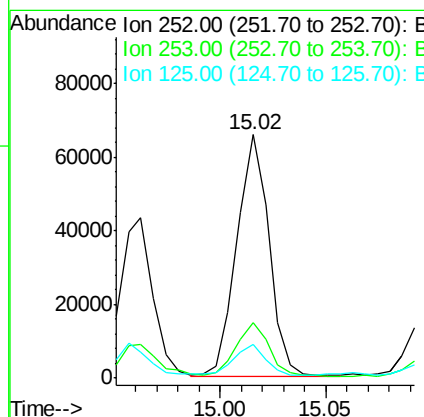
RT: 15.02 min Scan# 2215

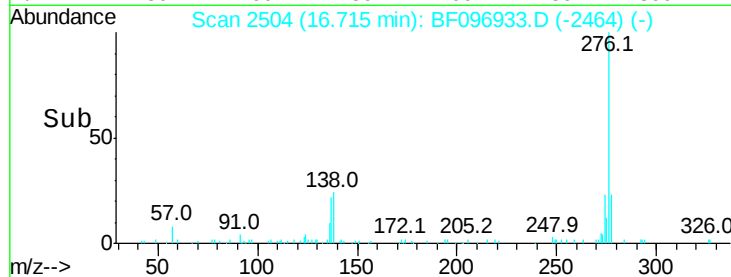
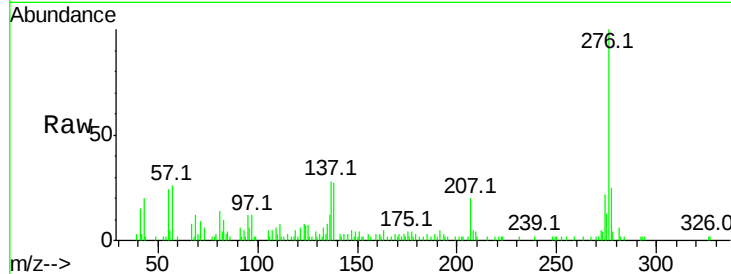
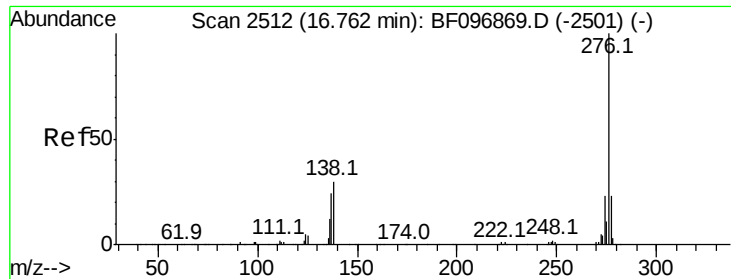
Delta R.T. -0.04 min

Lab File: BF096933.D

Acq: 21 Jul 2017 5:28

Tgt Ion:	252	Resp:	69302
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.5	26.3
125	13.8	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 4.079 ng
 RT: 16.72 min Scan# 2504
 Delta R.T. -0.06 min
 Lab File: BF096933.D
 Acq: 21 Jul 2017 5:28

Instrument :
 BNA_F
 ClientSampleId :
 E2-06-BASE

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.6	28.0
138	27.3	25.4	38.0

Manual Integrations
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