

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
 Data File : BF100801.D
 Acq On : 22 Nov 2017 1:33
 Operator : SJ/JU
 Sample : I6466-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHAP-4-E(3-4)

Manual Integrations
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Quant Time: Nov 22 07:16:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 15:22:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	89195	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	350949	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	157938	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	253403	20.00	ng	0.00
75) Chrysene-d12	14.03	240	187801	20.00	ng	-0.01
86) Perylene-d12	15.51	264	171056	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	530371	95.32	ng	0.00
7) Phenol-d6	6.50	99	656670	95.70	ng	0.00
23) Nitrobenzene-d5	7.43	82	402953	75.91	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	146166	90.82	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	750610	72.37	ng	-0.01
78) Terphenyl-d14	12.98	244	492934	60.31	ng	0.00
Target Compounds						
10) Phenol	6.51	94	34600	4.803	ng	81
49) Dimethylphthalate	9.62	163	25659	2.128	ng	# 98
70) Phenanthrene	11.42	178	32815	2.460	ng	96
74) Fluoranthene	12.61	202	50395	3.564	ng	94
77) Pyrene	12.84	202	46122	3.445	ng	98
80) Benzo(a)anthracene	14.02	228	26050	2.303	ng	95
82) Chrysene	14.06	228	27667	2.526	ng	97
87) Benzo(b)fluoranthene	15.07	252	31289m	3.087	ng	
89) Benzo(a)pyrene	15.44	252	21844	2.431	ng	# 91

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

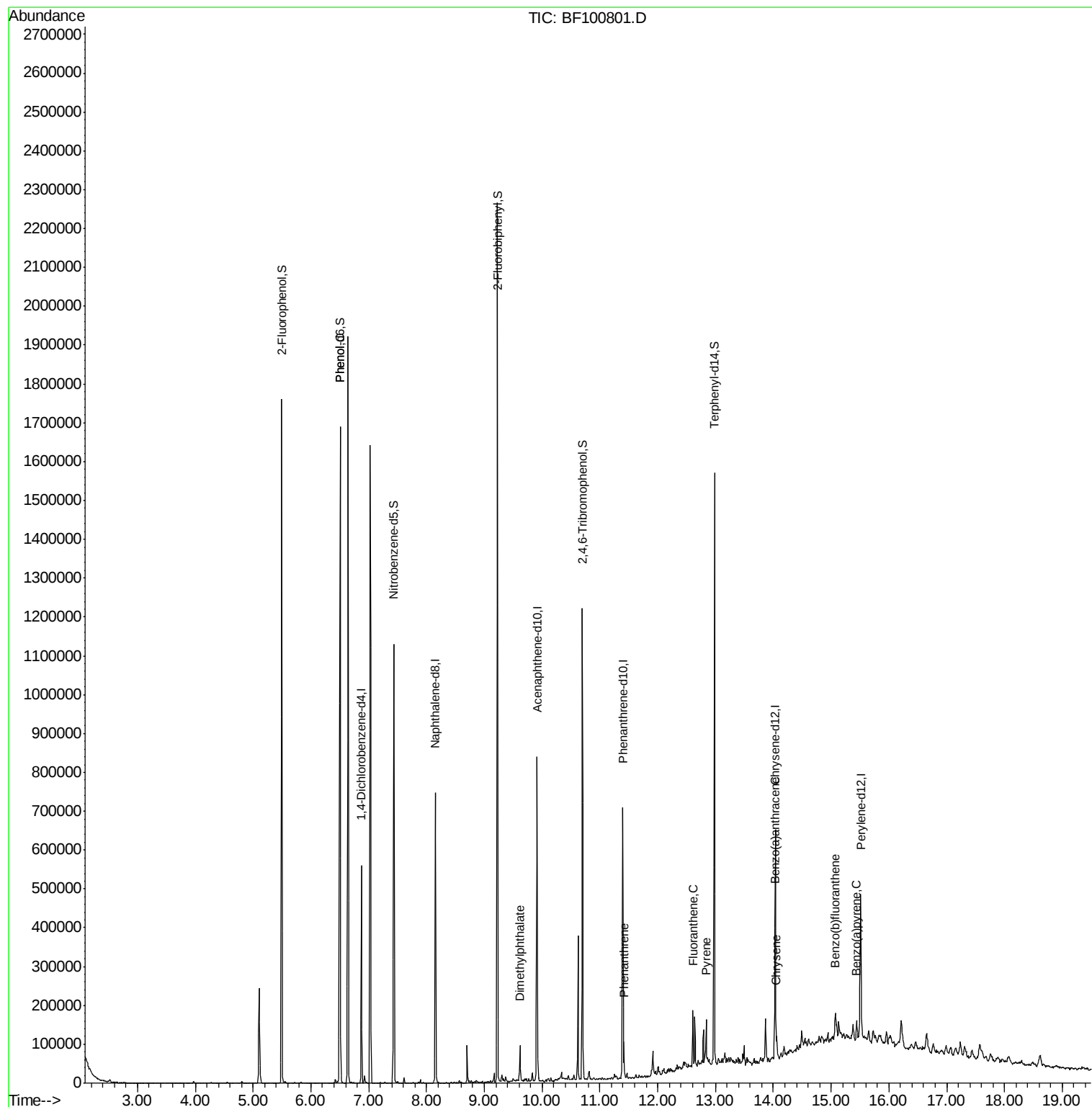
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
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Misc :
ALS Vial : 29 Sample Multiplier: 1

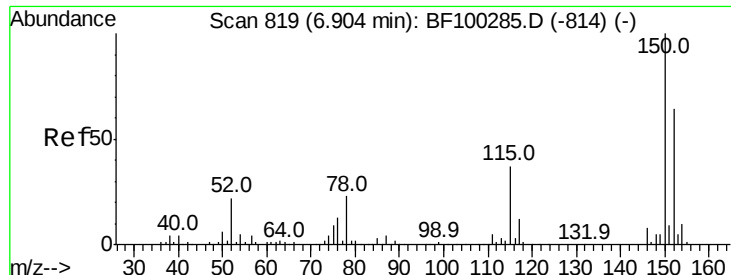
Instrument :
BNA_F
ClientSampleId :
CHAP-4-E(3-4)

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Quant Time: Nov 22 07:16:17 2017
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#1

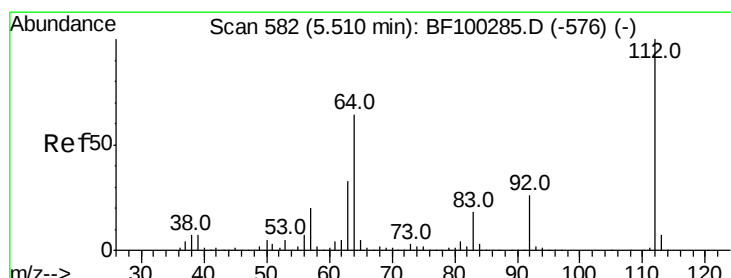
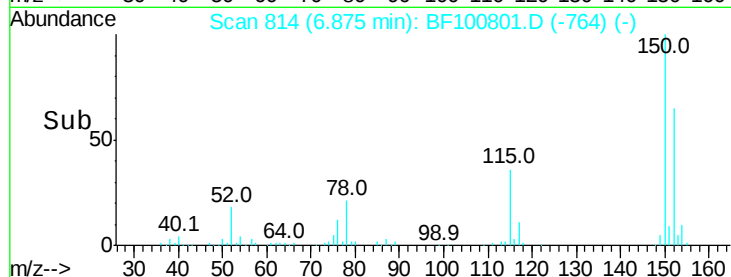
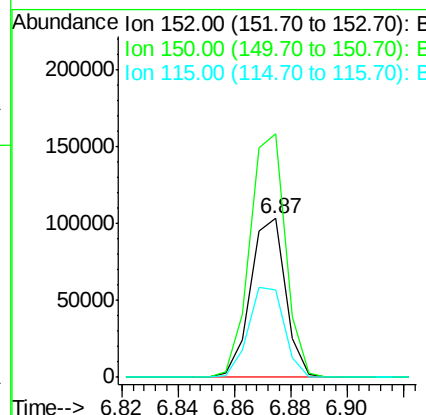
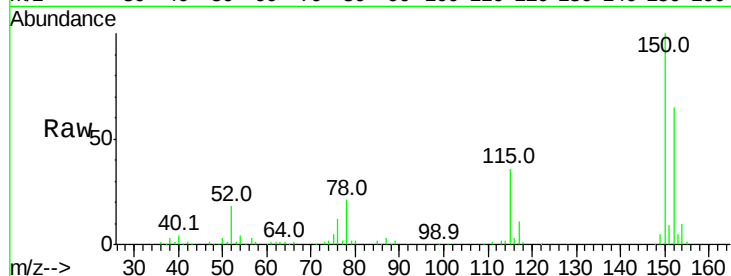
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF100801.D
Acq: 22 Nov 2017 1:33

Instrument :
BNA_F
ClientSampleId :
CHAP-4-E(3-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.6	186.8
115	55.2	50.1	75.1

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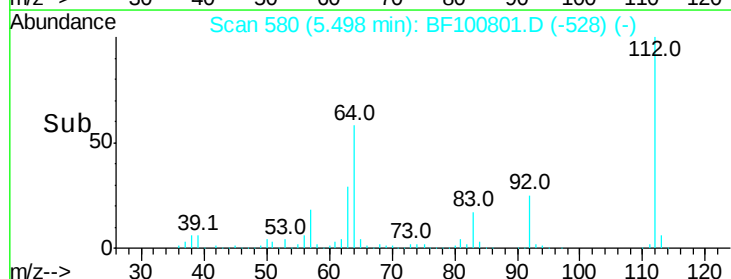
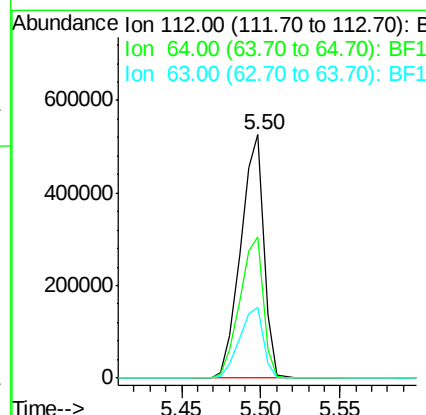
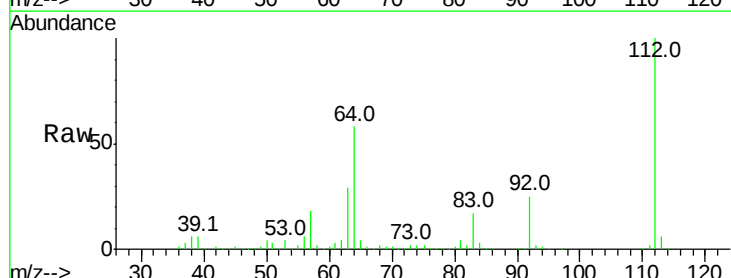
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#5

2-Fluorophenol
Concen: 95.317 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF100801.D
Acq: 22 Nov 2017 1:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.9	71.9
63	29.3	23.7	35.5





#7

Phenol-d6

Concen: 95.703 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100801.D

Acq: 22 Nov 2017 1:33

Instrument :

BNA_F

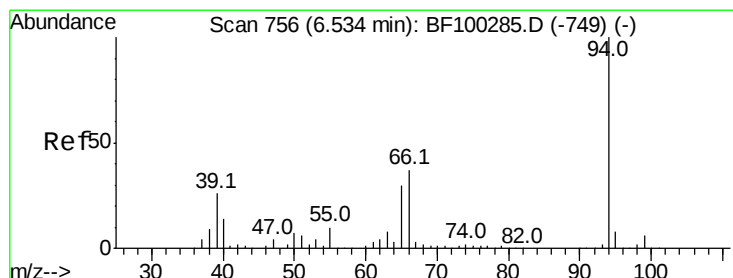
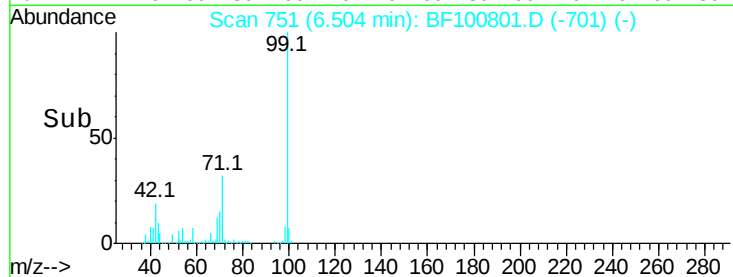
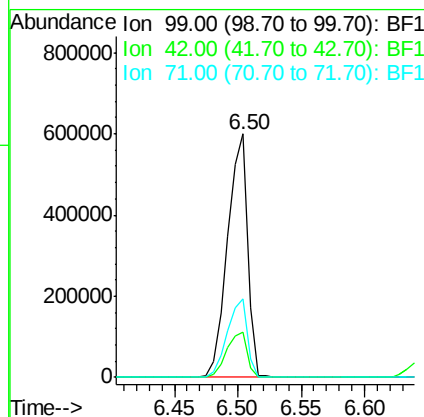
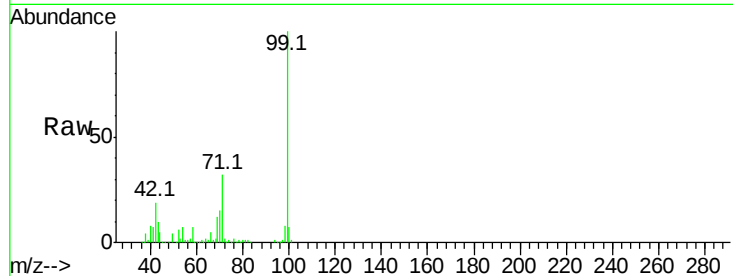
ClientSampleId :

CHAP-4-E(3-4)

Tot Ion:	99	Resp:	656670
Ion Ratio	Lower	Upper	
99	100		
42	18.7	14.5	21.7
71	32.5	25.4	38.0

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#10

Phenol

Concen: 4.803 ng

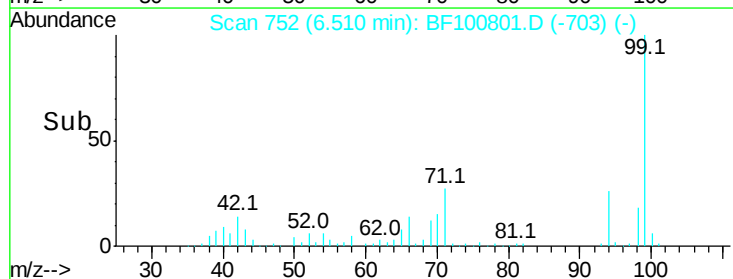
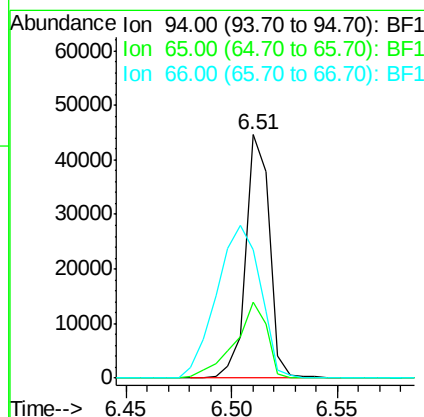
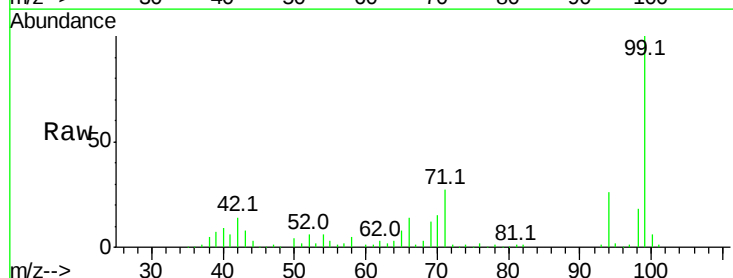
RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF100801.D

Acq: 22 Nov 2017 1:33

Tgt Ion:	94	Resp:	34600
Ion Ratio	Lower	Upper	
94	100		
65	31.4	7.9	47.9
66	52.7	16.2	56.2





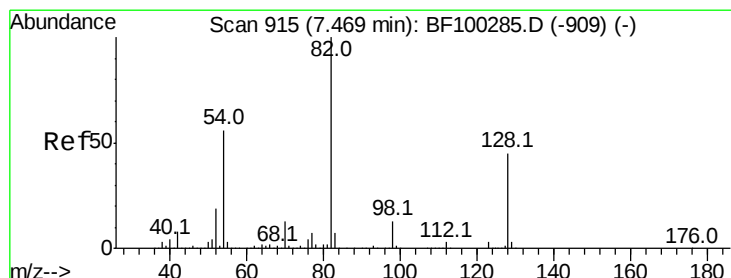
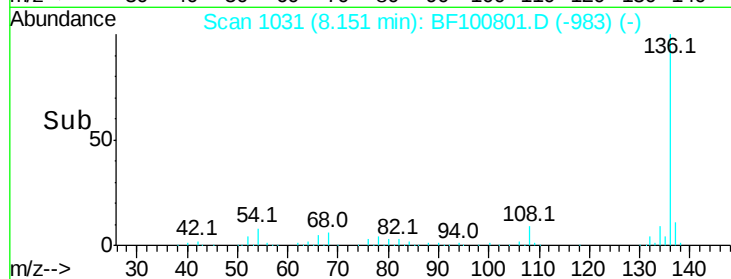
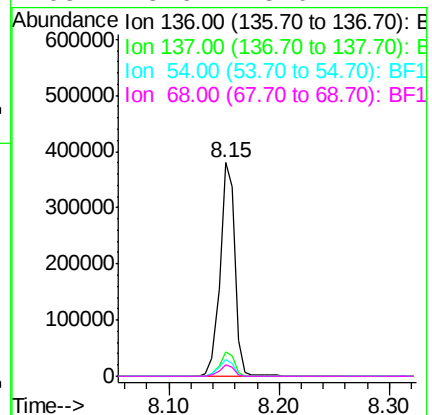
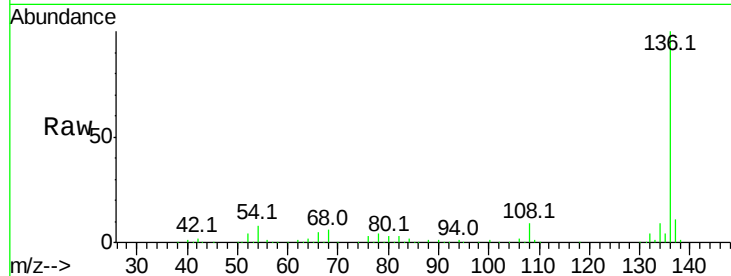
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF100801.D
Acq: 22 Nov 2017 1:33

Instrument :
BNA_F
ClientSampleId :
CHAP-4-E(3-4)

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.4	8.9	13.3
54	8.0	6.6	9.8
68	5.6	5.0	7.4

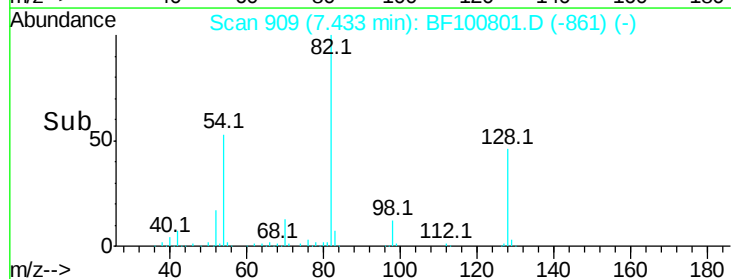
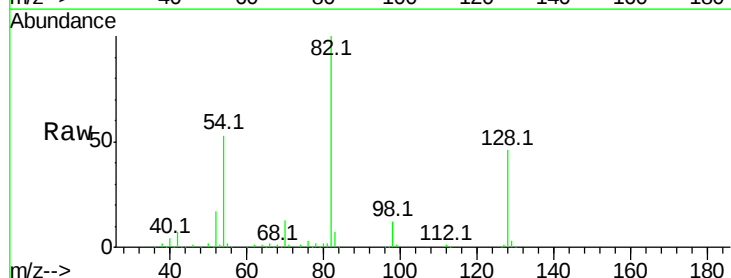
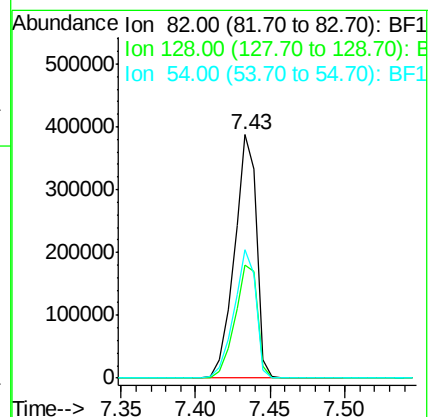
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#23
Nitrobenzene-d5
Concen: 75.910 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF100801.D
Acq: 22 Nov 2017 1:33

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	46.2	36.1	54.1
54	52.9	41.4	62.2





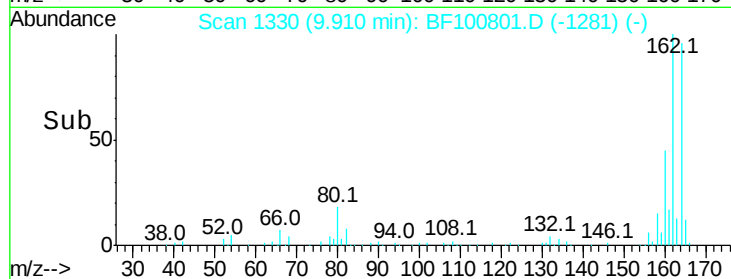
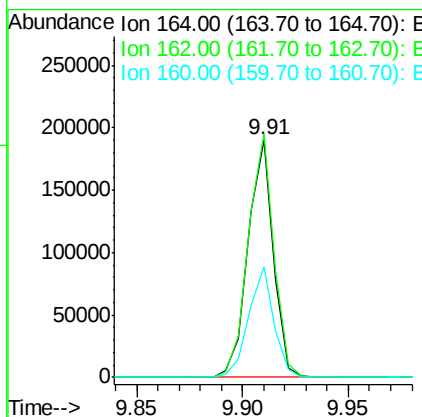
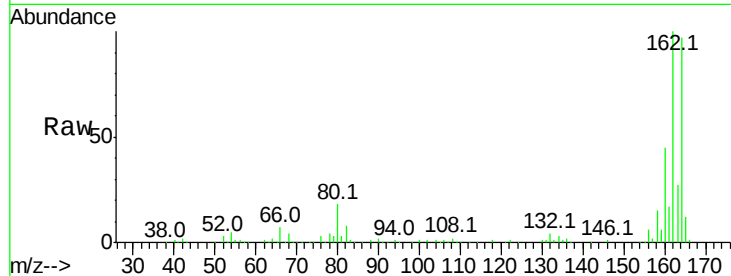
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF100801.D
 Acq: 22 Nov 2017 1:33

Instrument :
 BNA_F
 ClientSampleId :
 CHAP-4-E(3-4)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	157938		
162	102.6	86.1	129.1	
160	46.5	38.3	57.5	

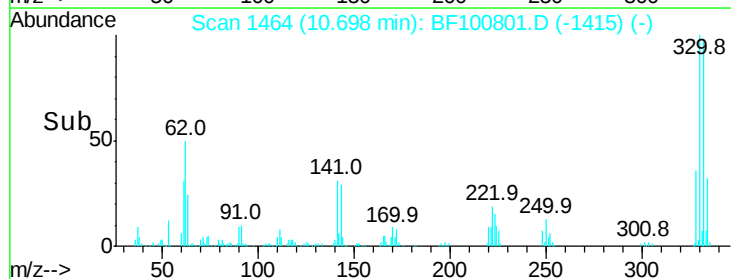
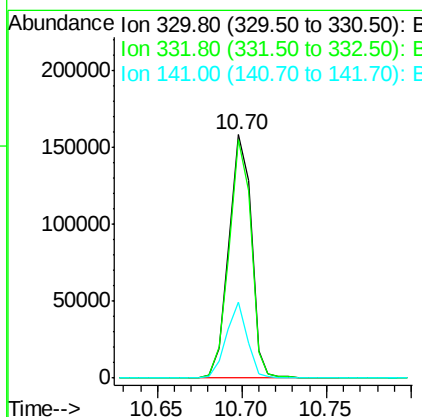
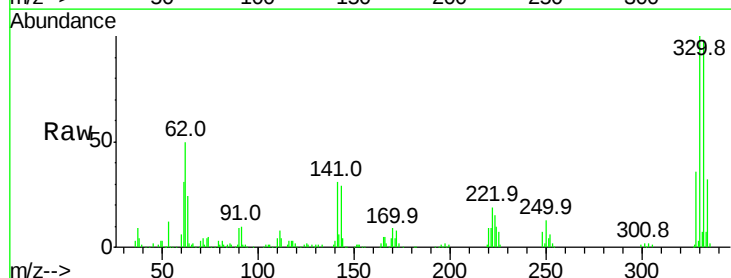
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#41
 2,4,6-Tribromophenol
 Concen: 90.821 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF100801.D
 Acq: 22 Nov 2017 1:33

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	146166		
332	96.2	77.0	115.6	
141	29.1	29.9	44.9#	





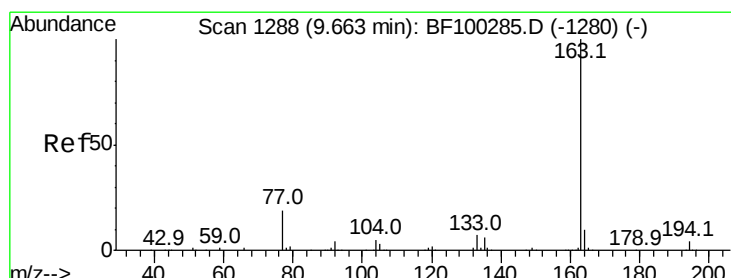
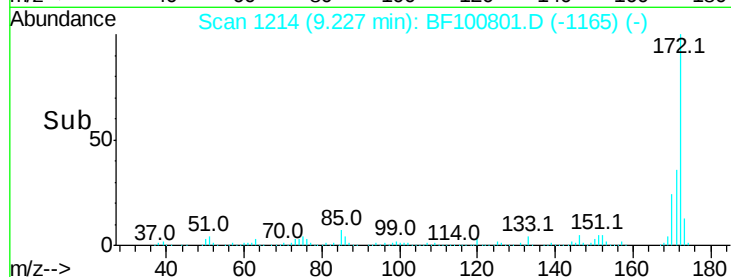
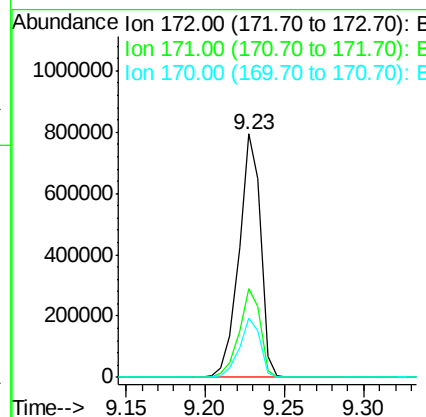
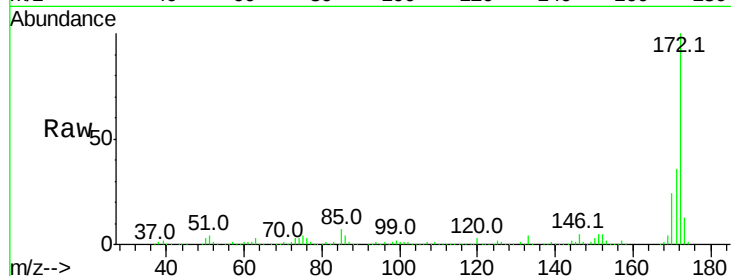
#44
2-Fluorobiphenyl
Concen: 72.368 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF100801.D
Acq: 22 Nov 2017 1:33

Instrument :
BNA_F
ClientSampleId :
CHAP-4-E(3-4)

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.2	29.7	44.5	
170	24.1	19.6	29.4	

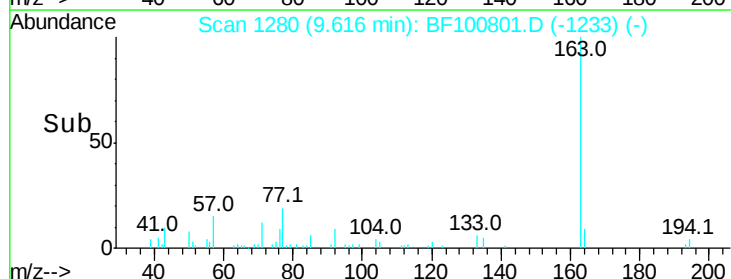
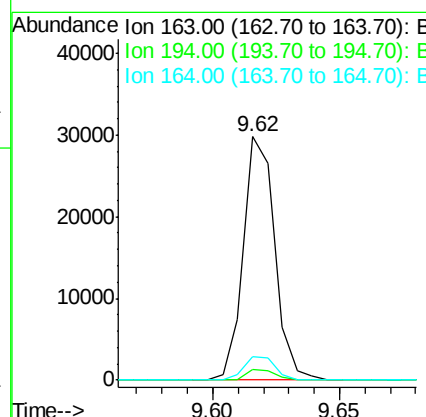
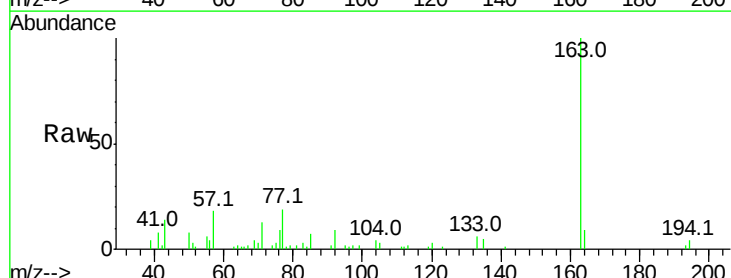
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#49
Dimethylphthalate
Concen: 2.128 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF100801.D
Acq: 22 Nov 2017 1:33

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.2	2.7	4.1#	
164	9.4	8.2	12.2	





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF100801.D

Acq: 22 Nov 2017 1:33

Instrument :

BNA_F

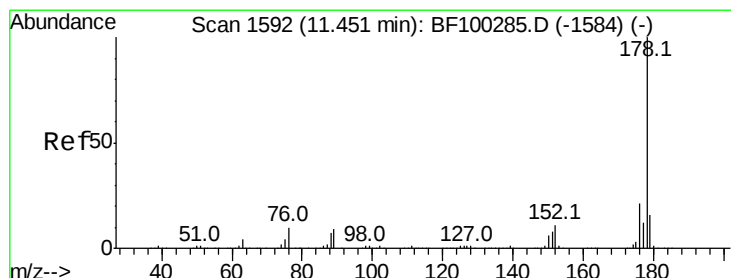
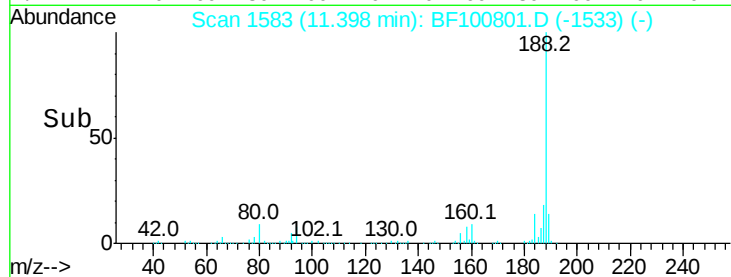
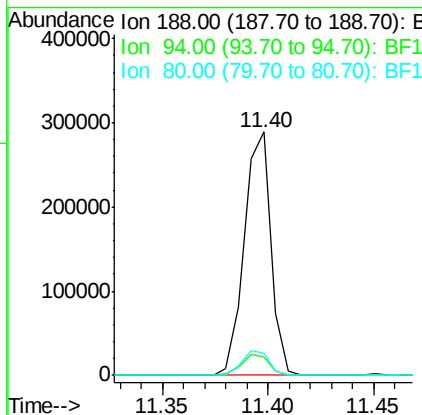
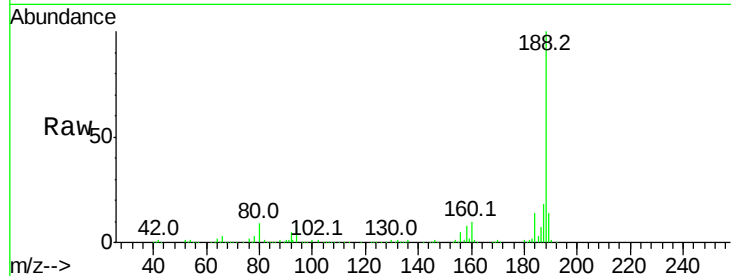
ClientSampleId :

CHAP-4-E(3-4)

Tot Ion:	188	Resp:	253403
Ion Ratio	Lower	Upper	
188	100		
94	7.5	8.5	12.7#
80	9.0	9.2	13.8#

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#70

Phenanthrene

Concen: 2.460 ng

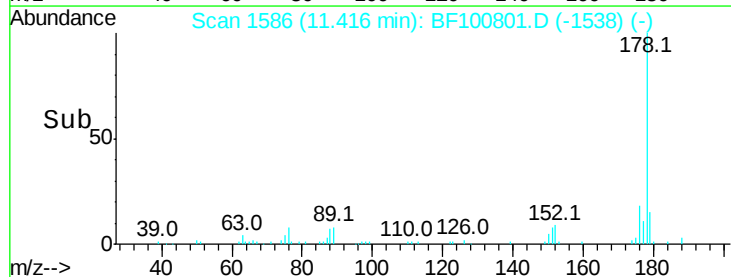
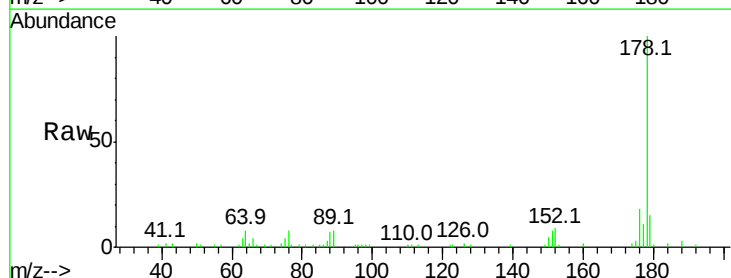
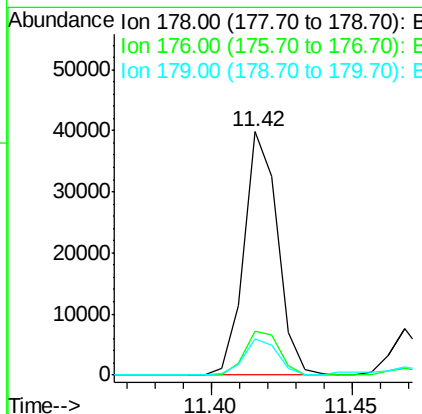
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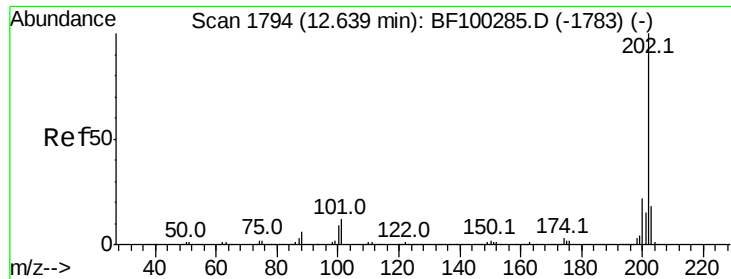
Delta R.T. -0.02 min

Lab File: BF100801.D

Acq: 22 Nov 2017 1:33

Tgt Ion:	178	Resp:	32815
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.8	23.8
179	14.9	13.0	19.6





#74

Fluoranthene

Concen: 3.564 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF100801.D

Acq: 22 Nov 2017 1:33

Instrument :

BNA_F

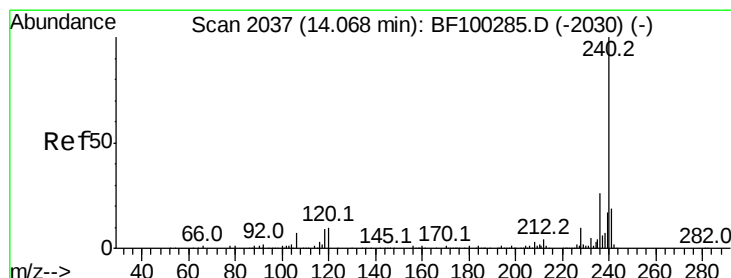
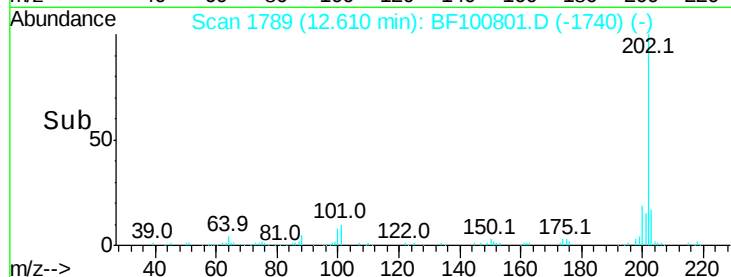
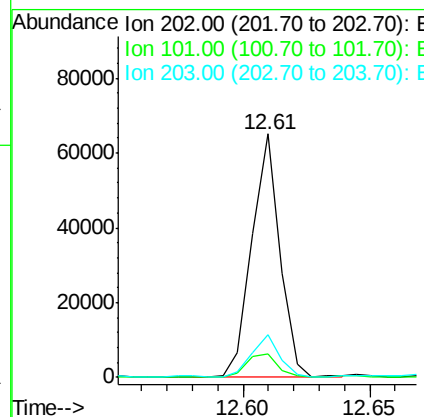
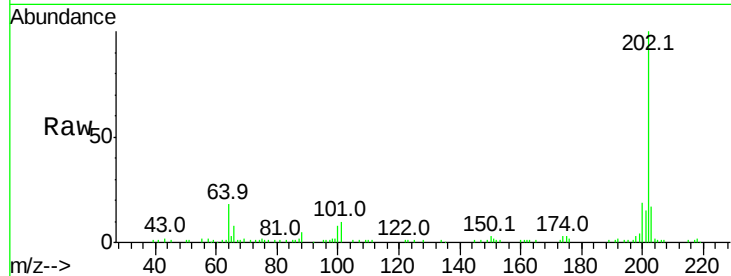
ClientSampleId :

CHAP-4-E(3-4)

Tot Ion:	202	Resp:	50395
Ion Ratio	Lower	Upper	
202	100		
101	9.6	0.0	34.1
203	17.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

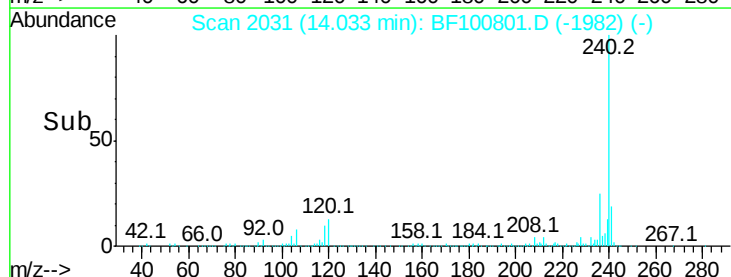
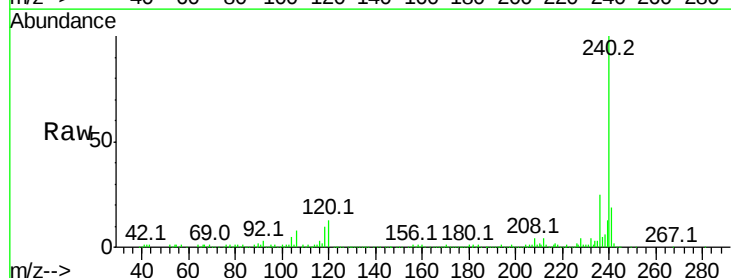
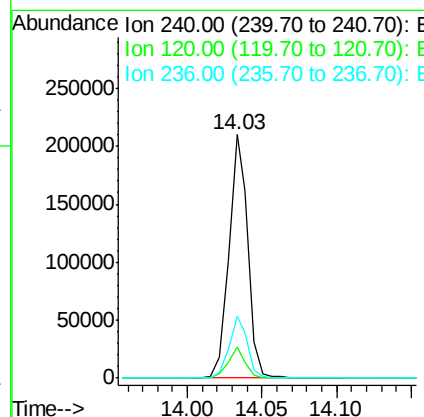
RT: 14.03 min Scan# 2031

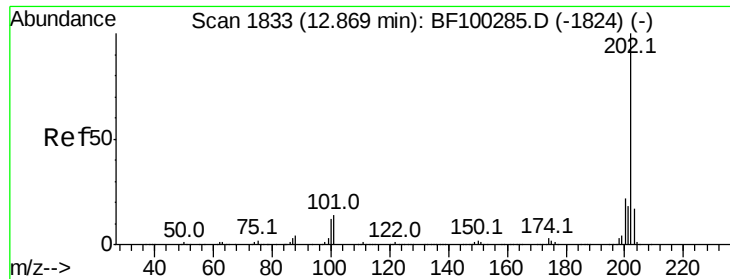
Delta R.T. -0.01 min

Lab File: BF100801.D

Acq: 22 Nov 2017 1:33

Tgt Ion:	240	Resp:	187801
Ion Ratio	Lower	Upper	
240	100		
120	12.7	9.5	14.3
236	25.2	20.7	31.1





#77

Pvrene

Concen: 3.445 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF100801.D

Acq: 22 Nov 2017 1:33

Instrument :

BNA_F

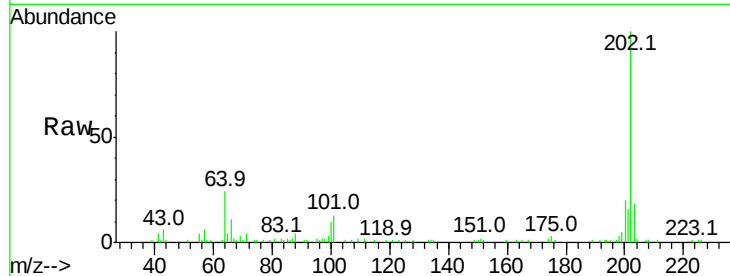
ClientSampleId :

CHAP-4-E(3-4)

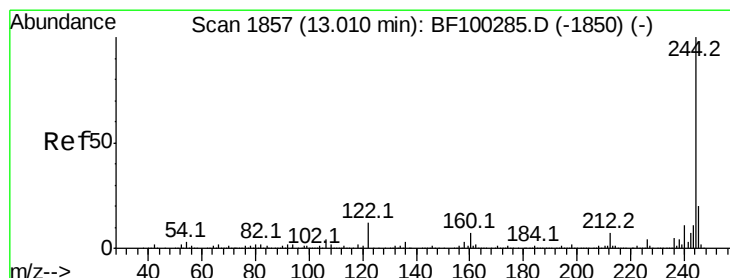
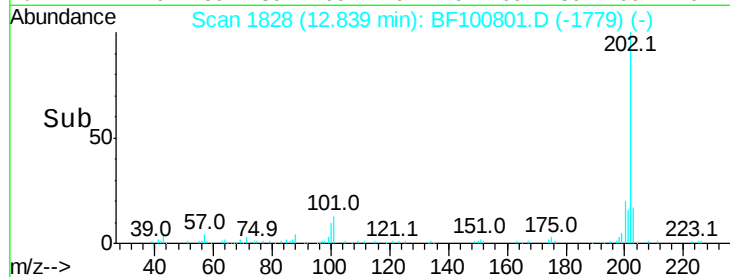
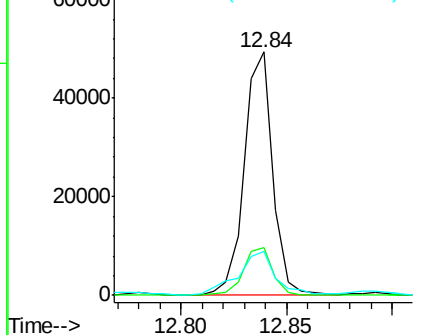
Tot Ion:	202	Resp:	46122
Ion Ratio	Lower	Upper	
202	100		
200	19.8	17.4	26.2
203	17.8	14.3	21.5

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 60.309 ng

RT: 12.98 min Scan# 1852

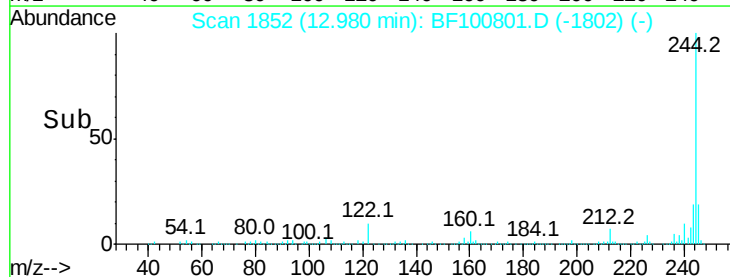
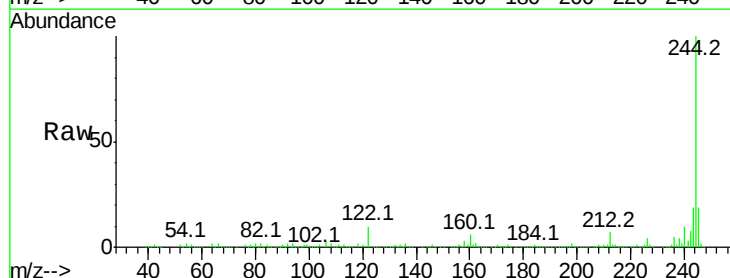
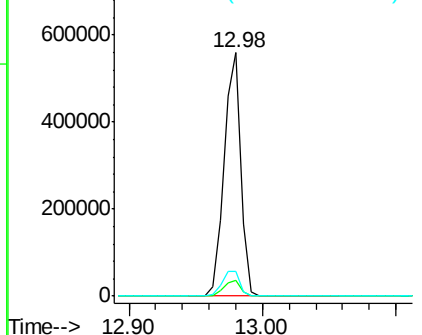
Delta R.T. -0.01 min

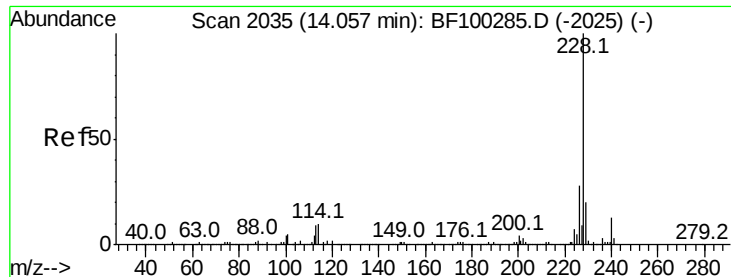
Lab File: BF100801.D

Acq: 22 Nov 2017 1:33

Tgt Ion:	244	Resp:	492934
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	10.3	11.0	16.4#

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





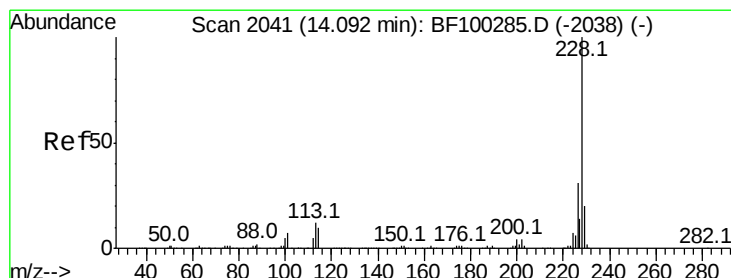
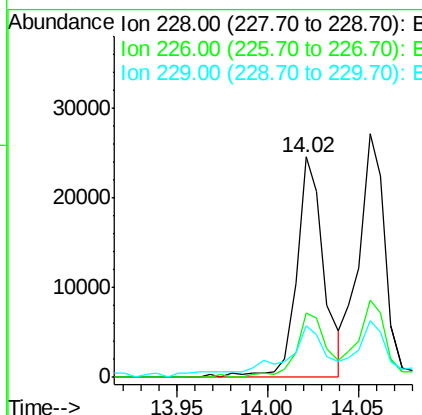
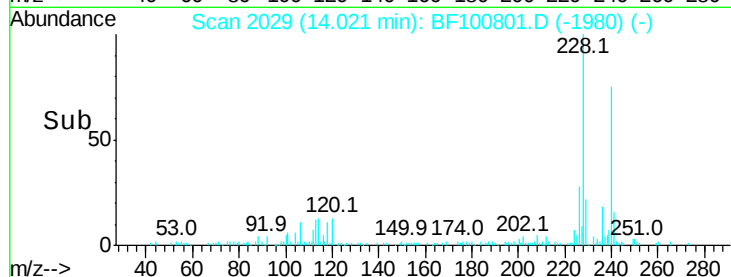
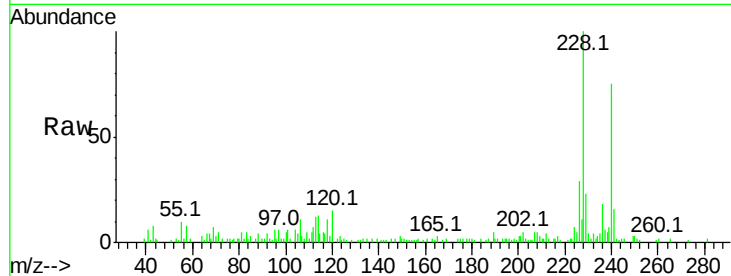
#80
Benzo(a)anthracene
Concen: 2.303 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF100801.D
Acq: 22 Nov 2017 1:33

Instrument :
BNA_F
ClientSampleId :
CHAP-4-E(3-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	23.4	15.8	23.6

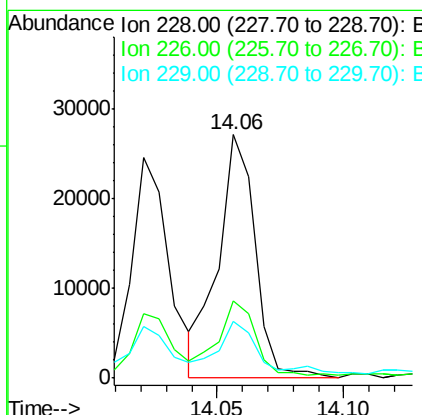
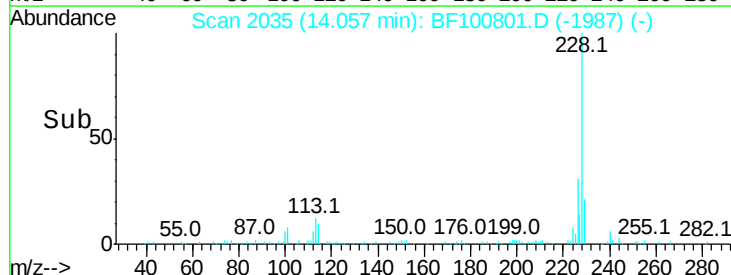
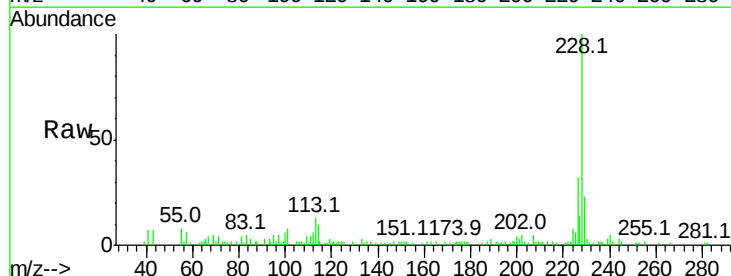
Manual Integrations
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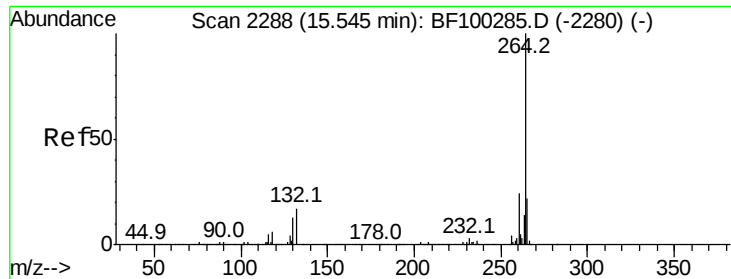
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#82
Chrysene
Concen: 2.526 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.02 min
Lab File: BF100801.D
Acq: 22 Nov 2017 1:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.0	37.6
229	23.1	16.2	24.4





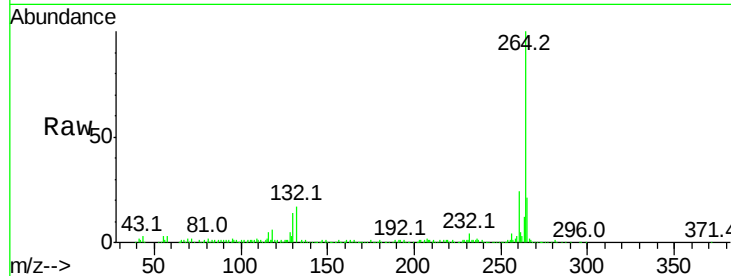
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF100801.D
Acq: 22 Nov 2017 1:33

Instrument :
BNA_F
ClientSampleId :
CHAP-4-E(3-4)

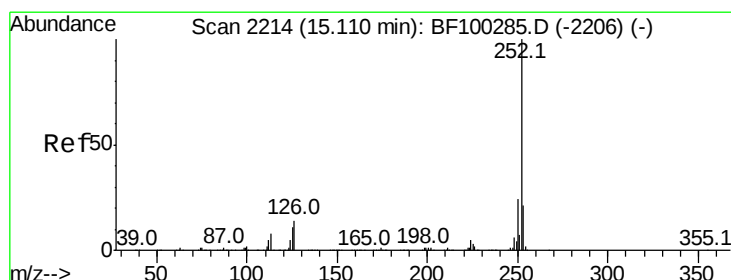
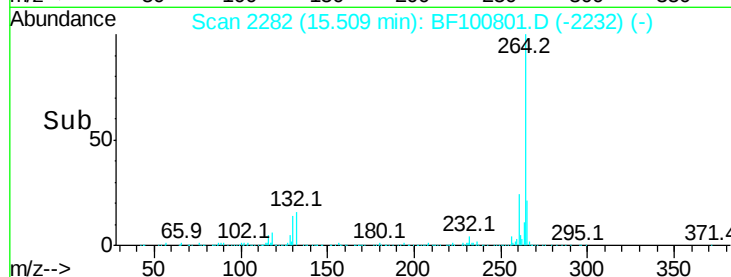
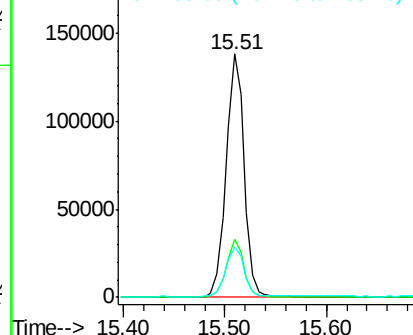
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	20.9	17.5	26.3

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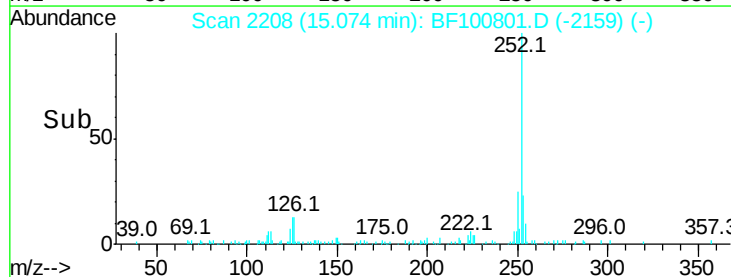
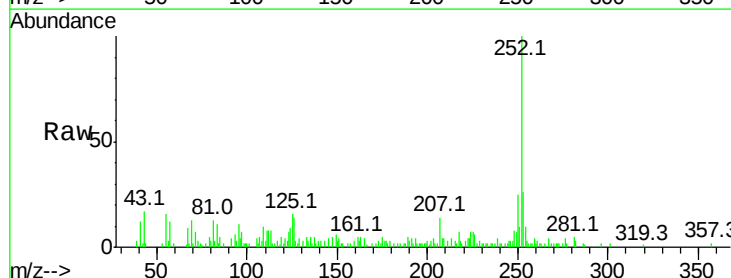
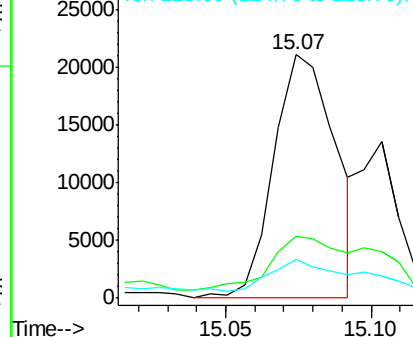
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

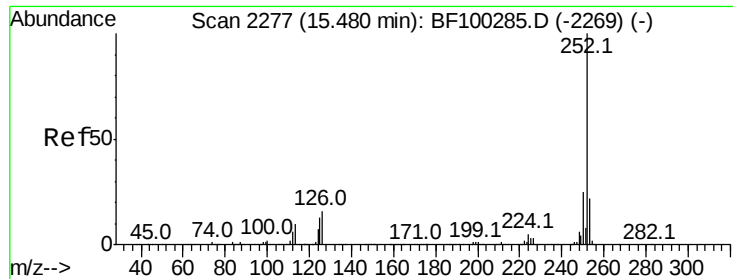


#87
Benzo(b)fluoranthene
Concen: 3.087 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF100801.D
Acq: 22 Nov 2017 1:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.0	25.6
125	16.2	9.0	13.6#

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





#89

Benzo(a)pyrene

Concen: 2.431 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BF100801.D

Acq: 22 Nov 2017 1:33

Instrument :

BNA_F

ClientSampleId :

CHAP-4-E(3-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.1	25.7
125	16.8	9.8	14.6

Manual Integrations
APPROVED

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