

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011217\
 Data File : BF092230.D
 Acq On : 13 Jan 2017 2:52
 Operator : UM/SJ
 Sample : I1131-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW-001

Manual Integrations
 APPROVED

Sohil
 1/13/2017 11:07:13 AM

Quant Time: Jan 13 06:59:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	166268	20.00	ng	-0.05
21) Naphthalene-d8	7.88	136	571642	20.00	ng	-0.06
38) Acenaphthene-d10	9.62	164	416551	20.00	ng	-0.06
63) Phenanthrene-d10	11.11	188	653366	20.00	ng	-0.05
75) Chrysene-d12	13.73	240	396754	20.00	ng	-0.06
86) Perylene-d12	15.09	264	414720	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1110755	111.55	ng	-0.05
7) Phenol-d6	6.26	99	1681034	138.27	ng	-0.05
23) Nitrobenzene-d5	7.17	82	984060	95.72	ng	-0.05
41) 2,4,6-Tribromophenol	10.42	330	406462	117.91	ng	-0.05
44) 2-Fluorobiphenyl	8.96	172	1242127	56.82	ng	-0.05
78) Terphenyl-d14	12.69	244	1142195	69.82	ng	-0.06
Target Compounds						
10) Phenol	6.28	94	96135	6.94	ng	Qvalue # 66
49) Dimethylphthalate	9.36	163	381527	14.32	ng	99
70) Phenanthrene	11.13	178	397656	11.22	ng	96
71) Anthracene	11.18	178	106156	2.05	ng	97
74) Fluoranthene	12.31	202	575016	16.04	ng	98
77) Pyrene	12.54	202	520076	17.87	ng	98
80) Benzo(a)anthracene	13.72	228	223808	9.99	ng	98
82) Chrysene	13.76	228	176529m	7.86	ng	
85) Indeno(1,2,3-cd)pyrene	16.33	276	131627	6.76	ng	97
87) Benzo(b)fluoranthene	14.72	252	235448m	9.12	ng	
88) Benzo(k)fluoranthene	14.73	252	116714m	5.30	ng	
89) Benzo(a)pyrene	15.04	252	189269	8.26	ng	97
91) Benzo(a,h,i)perylene	16.70	276	118959	6.07	ng	# 88

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

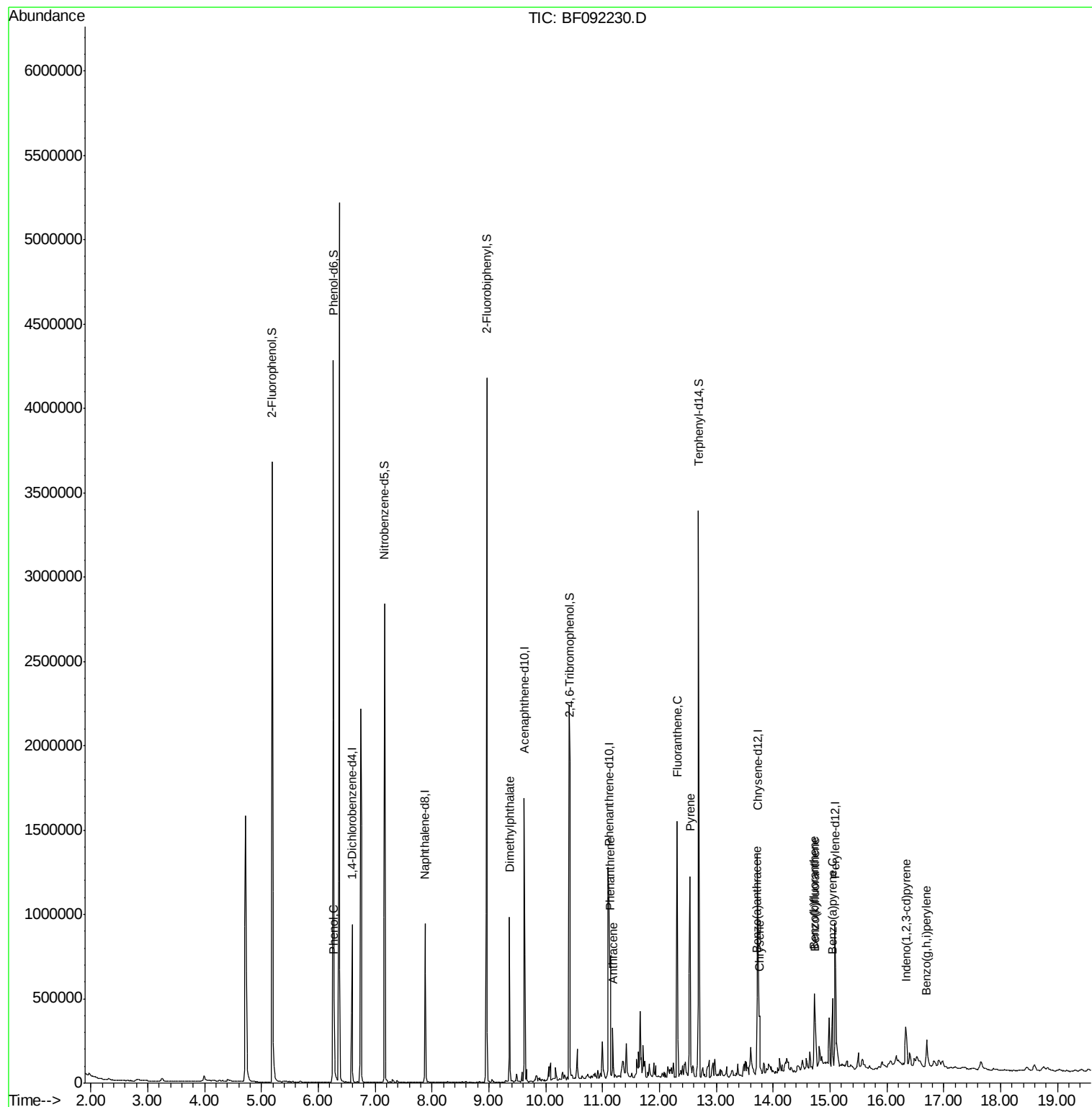
Data Path : Z:\HPCHEM1\BNA F\DATA\BF011217\
Data File : BF092230.D
Acq On : 13 Jan 2017 2:52
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

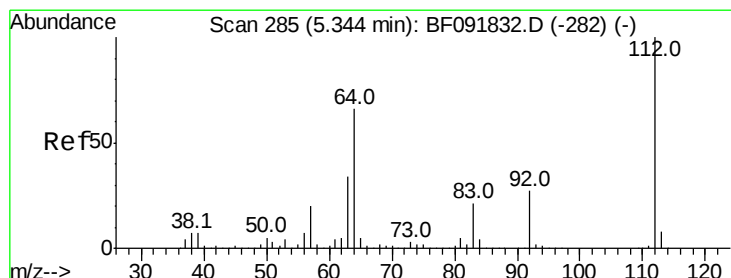
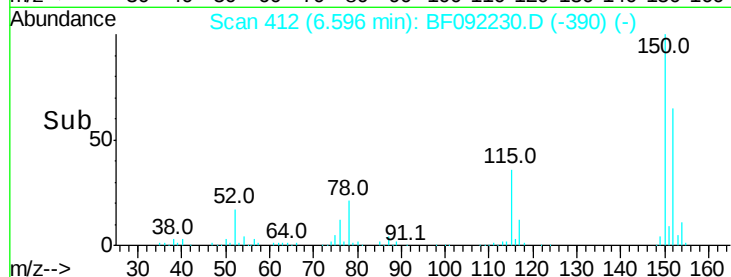
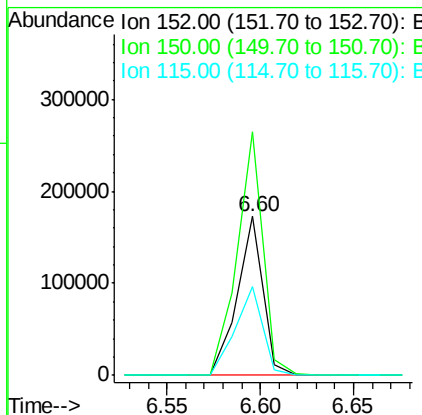
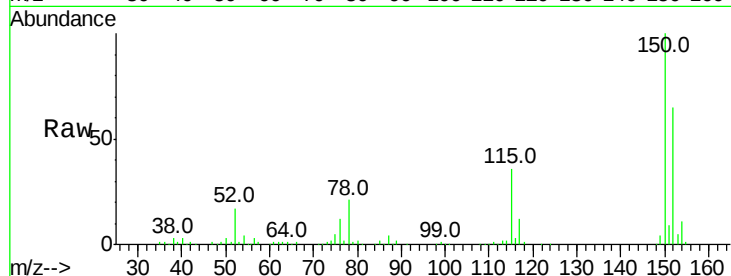
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 412
Delta R.T. -0.05 min
Lab File: BF092230.D
Acq: 13 Jan 2017 2:52

Instrument :
BNA_F
ClientSampleId :
SW-001

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.9	187.3
115	55.8	46.0	69.0

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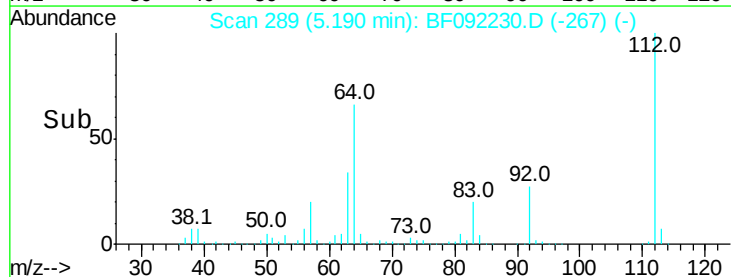
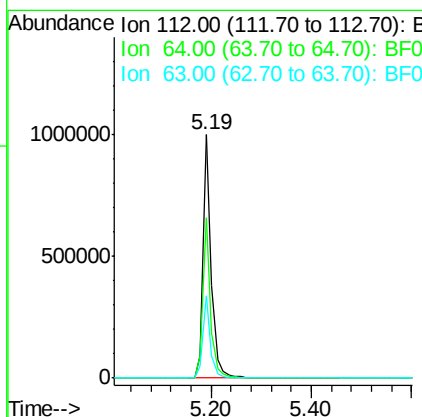
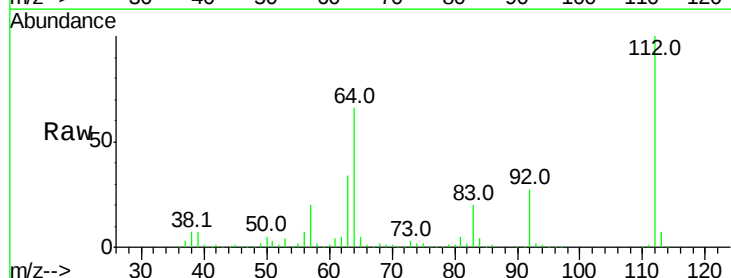
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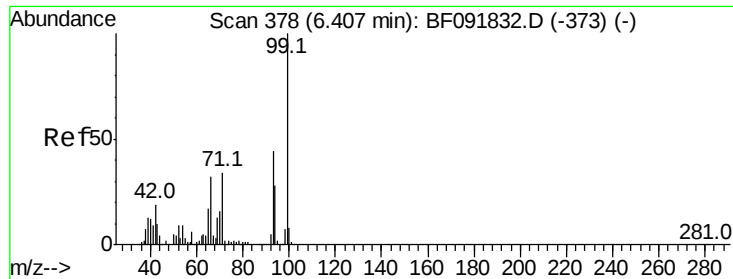


#5

2-Fluorophenol
Concen: 111.55 ng
RT: 5.19 min Scan# 289
Delta R.T. -0.05 min
Lab File: BF092230.D
Acq: 13 Jan 2017 2:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	46.1	69.1
63	33.8	23.8	35.6





#7

Phenol-d6

Concen: 138.27 ng

RT: 6.26 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF092230.D

Acq: 13 Jan 2017 2:52

Instrument :

BNA_F

ClientSampleId :

SW-001

Tot Ion: 99 Resp: 1681034

Ion Ratio Lower Upper

99 100

42 17.9 15.6 23.4

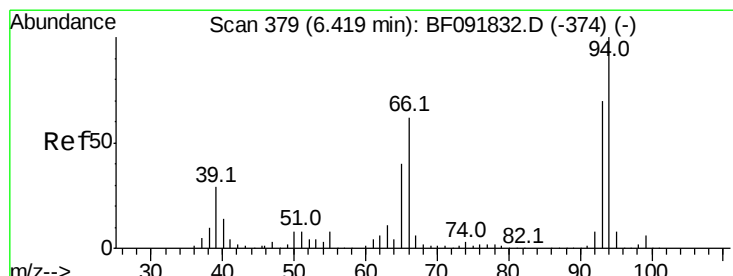
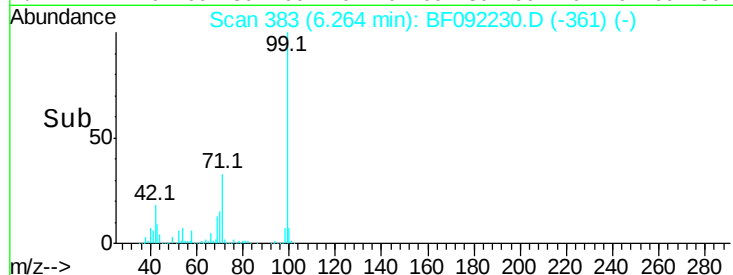
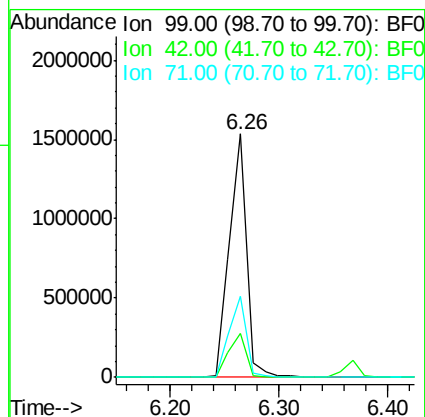
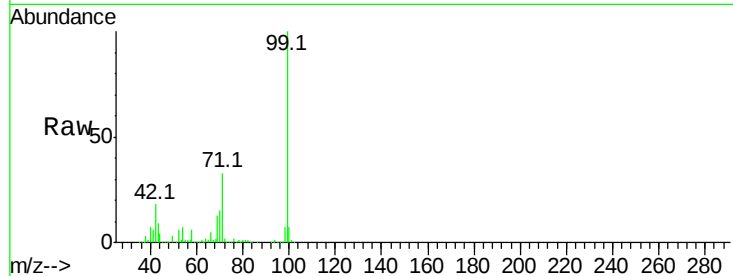
71 33.4 27.5 41.3

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#10

Phenol

Concen: 6.94 ng

RT: 6.28 min Scan# 384

Delta R.T. -0.05 min

Lab File: BF092230.D

Acq: 13 Jan 2017 2:52

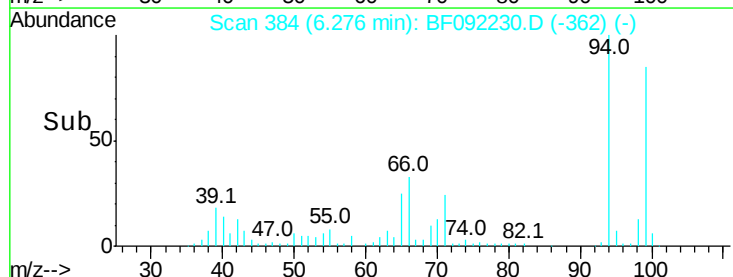
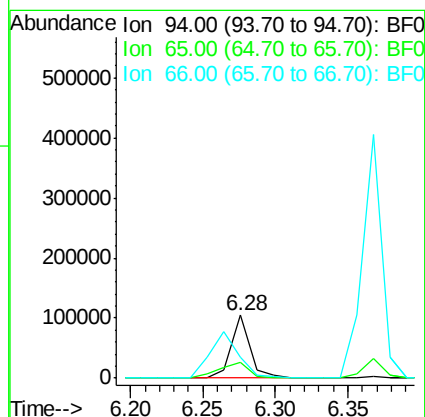
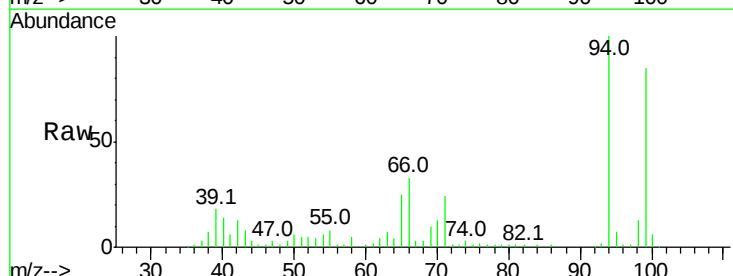
Tgt Ion: 94 Resp: 96135

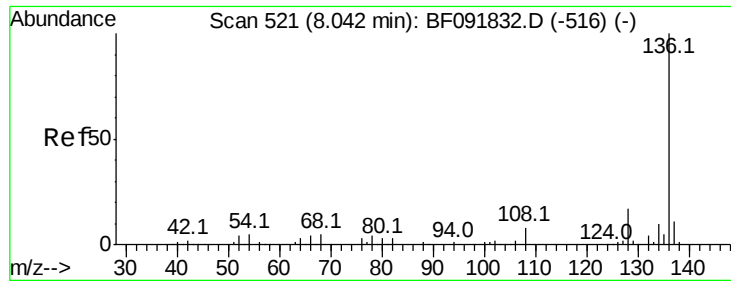
Ion Ratio Lower Upper

94 100

65 25.0 21.4 61.4

66 33.0 44.0 84.0#





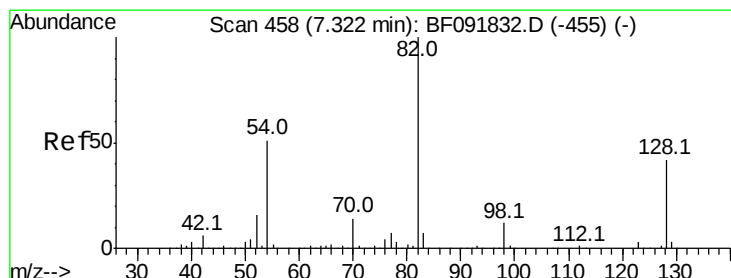
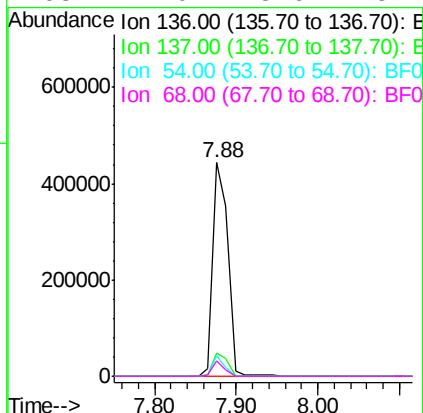
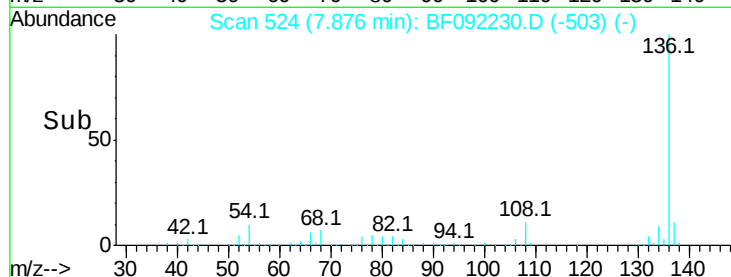
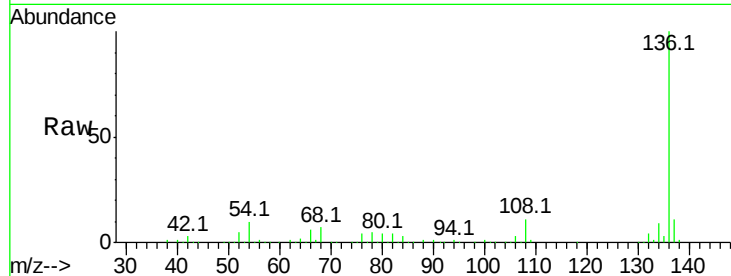
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 524
Delta R.T. -0.06 min
Lab File: BF092230.D
Acq: 13 Jan 2017 2:52

Instrument :
BNA_F
ClientSampleId :
SW-001

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.4	12.6	
54	9.9	4.5	6.7#	
68	7.0	3.6	5.4#	

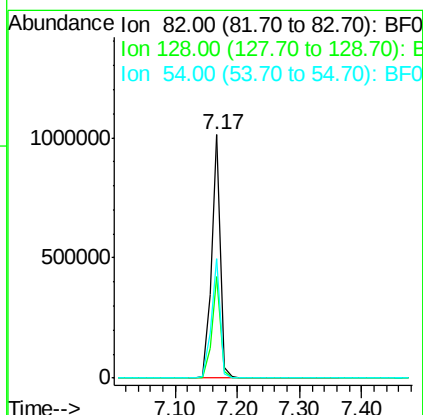
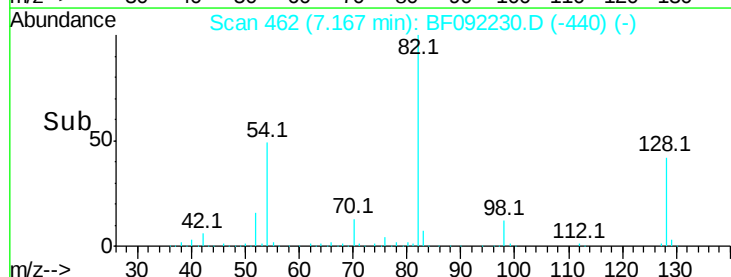
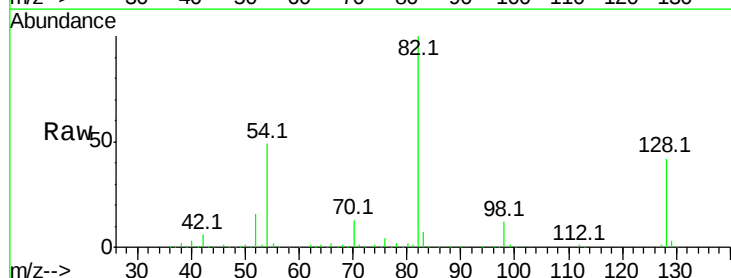
Manual Integrations
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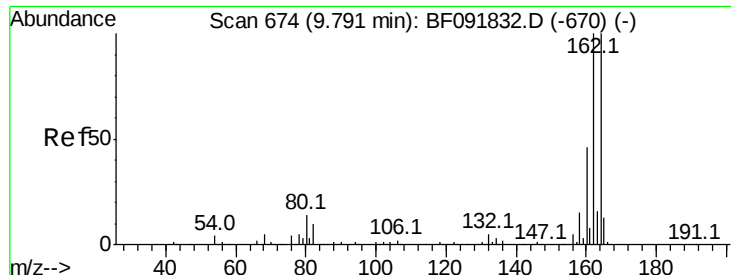
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#23
Nitrobenzene-d5
Concen: 95.72 ng
RT: 7.17 min Scan# 462
Delta R.T. -0.05 min
Lab File: BF092230.D
Acq: 13 Jan 2017 2:52

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.7	34.6	52.0	
54	49.2	39.5	59.3	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 677

Delta R.T. -0.06 min

Lab File: BF092230.D

Acq: 13 Jan 2017 2:52

Instrument :

BNA_F

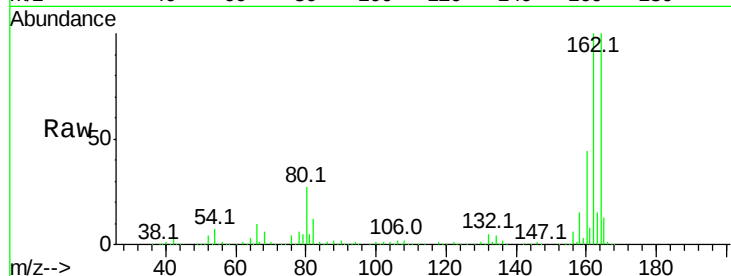
ClientSampled :

SW-001

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.4	80.2	120.2	
160	44.2	36.9	55.3	

Manual Integrations
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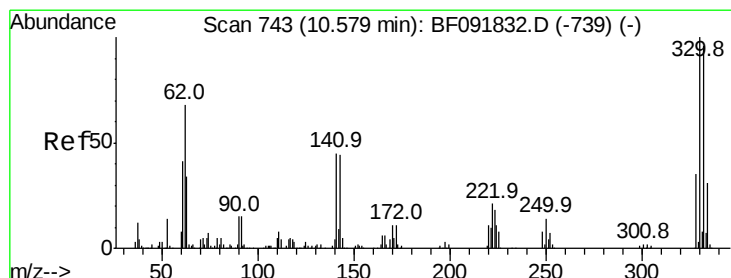
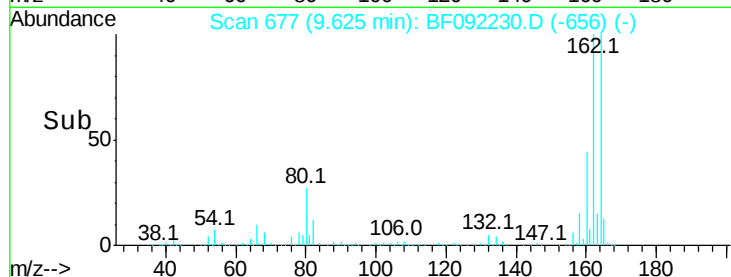
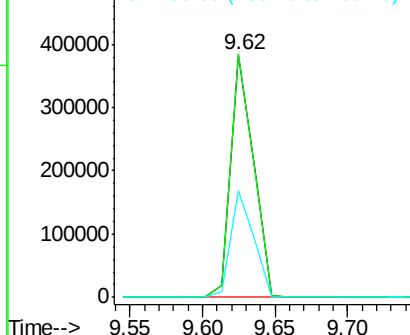


Abundance

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: 117.91 ng

RT: 10.42 min Scan# 747

Delta R.T. -0.05 min

Lab File: BF092230.D

Acq: 13 Jan 2017 2:52

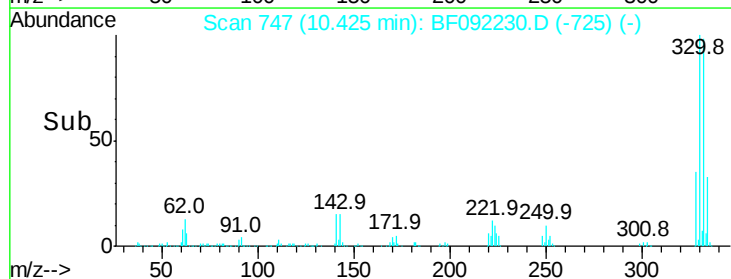
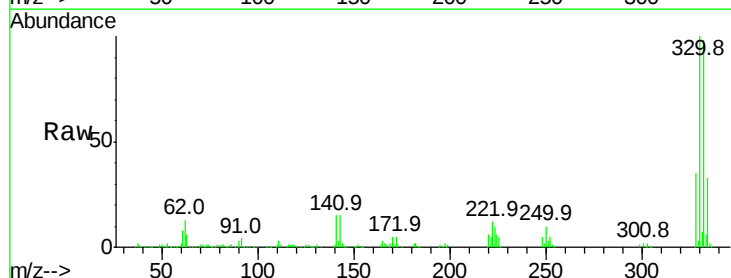
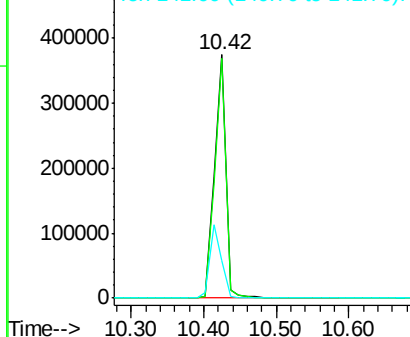
Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.4	77.4	116.2	
141	31.3	34.1	51.1#	

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





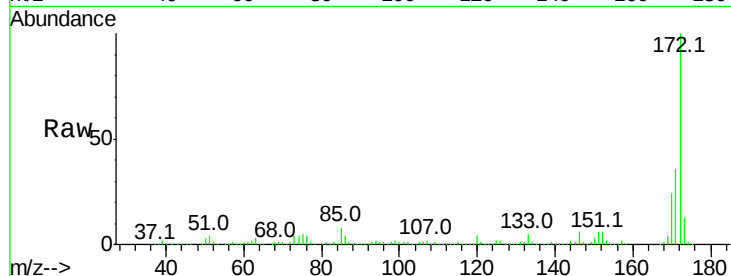
#44
2-Fluorobiphenyl
Concen: 56.82 ng
RT: 8.96 min Scan# 619
Delta R.T. -0.05 min
Lab File: BF092230.D
Acq: 13 Jan 2017 2:52

Instrument :
BNA_F
ClientSampleId :
SW-001

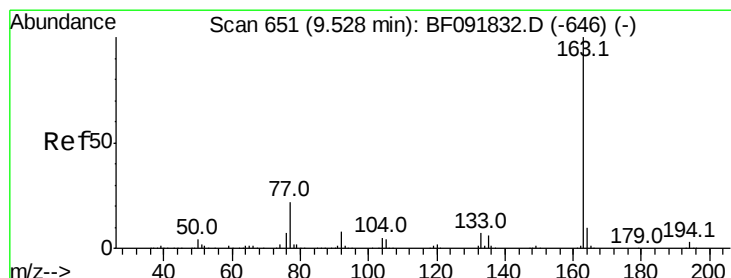
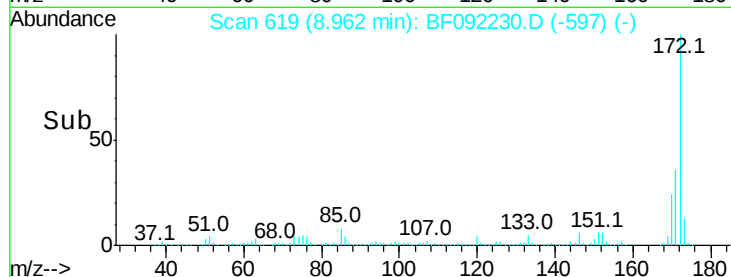
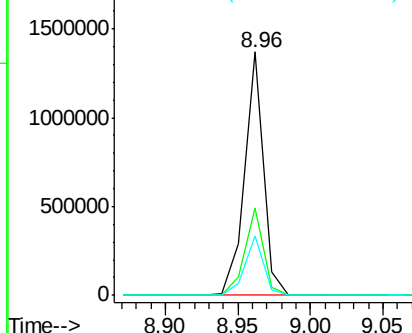
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	24.2	20.2	30.4

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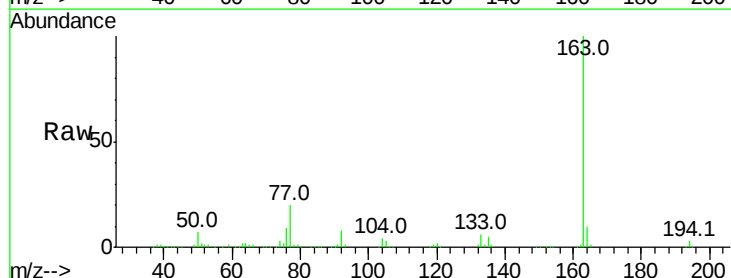


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

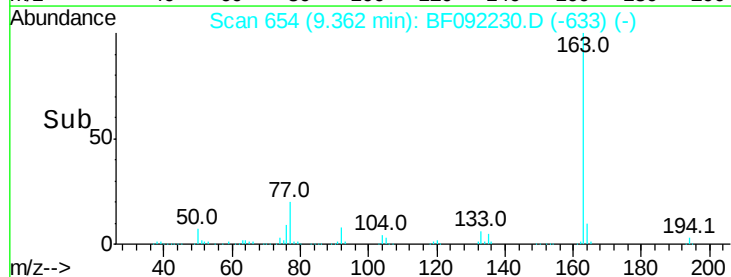
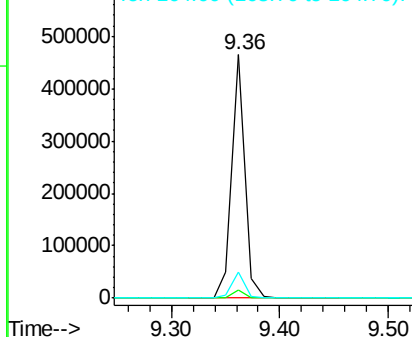


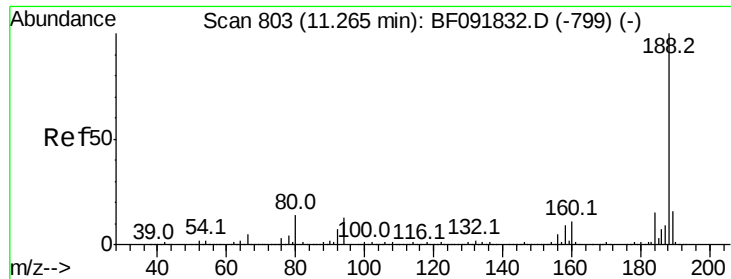
#49
Dimethylphthalate
Concen: 14.32 ng
RT: 9.36 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF092230.D
Acq: 13 Jan 2017 2:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.0	4.4
164	10.5	8.0	12.0



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





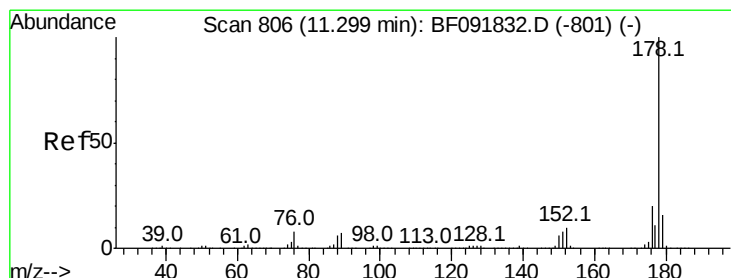
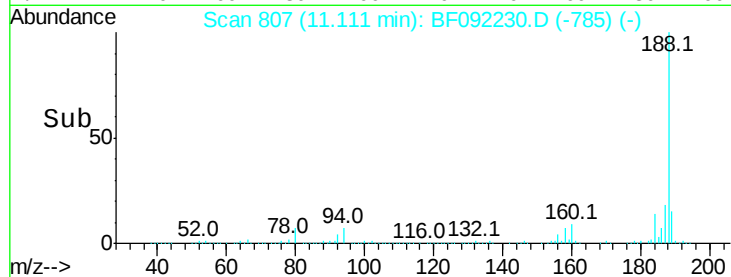
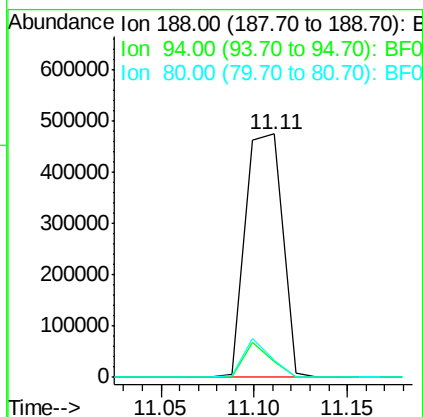
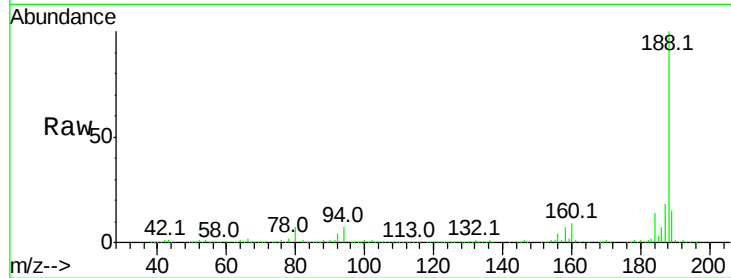
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 807
Delta R.T. -0.05 min
Lab File: BF092230.D
Acq: 13 Jan 2017 2:52

Instrument :
BNA_F
ClientSampleId :
SW-001

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	6.6	10.0	15.0#
80	6.8	11.2	16.8#

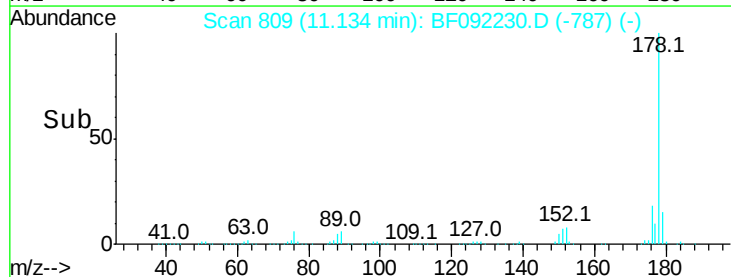
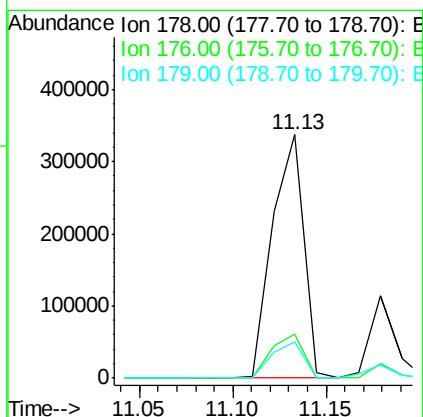
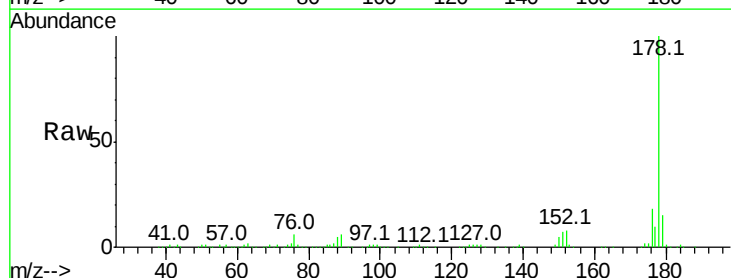
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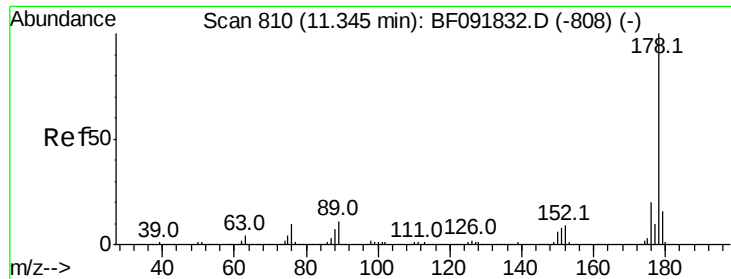
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#70
Phenanthrene
Concen: 11.22 ng
RT: 11.13 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF092230.D
Acq: 13 Jan 2017 2:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.3	16.6	25.0
179	15.0	12.8	19.2





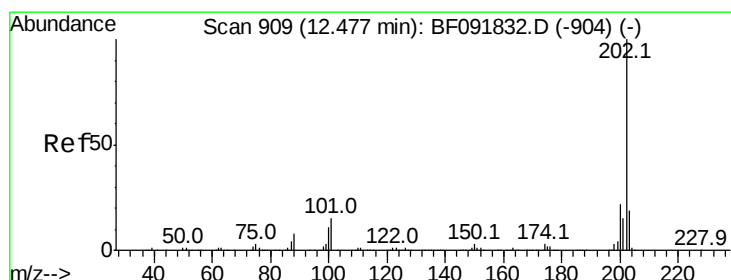
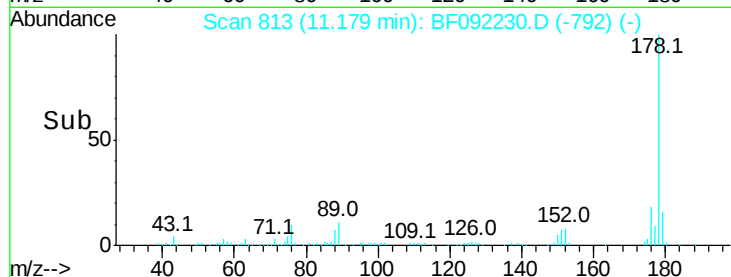
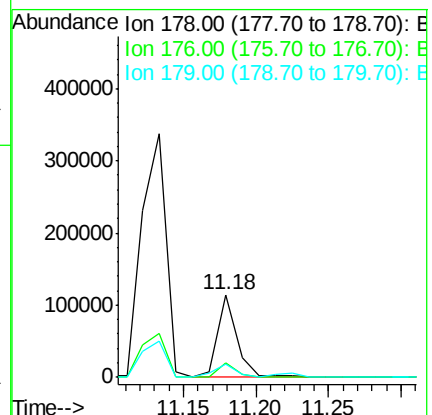
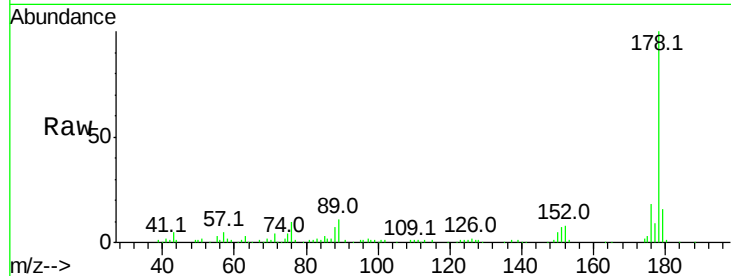
#71
 Anthracene
 Concen: 2.05 ng
 RT: 11.18 min Scan# 813
 Delta R.T. -0.06 min
 Lab File: BF092230.D
 Acq: 13 Jan 2017 2:52

Instrument :
 BNA_F
 ClientSampleId :
 SW-001

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.9	23.9
179	16.1	13.2	19.8

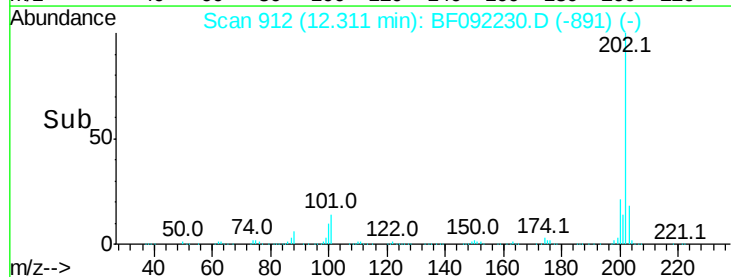
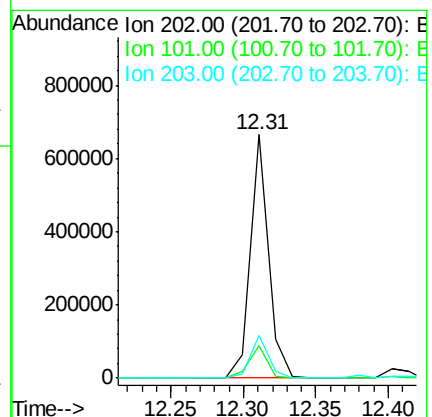
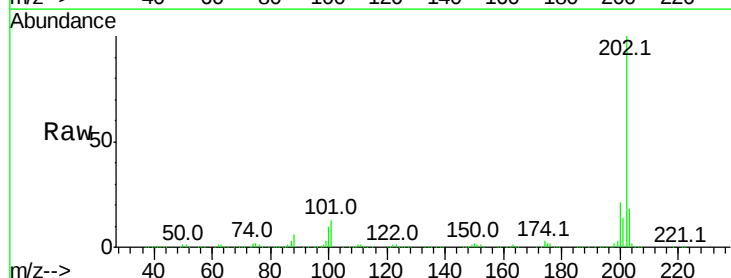
Manual Integrations
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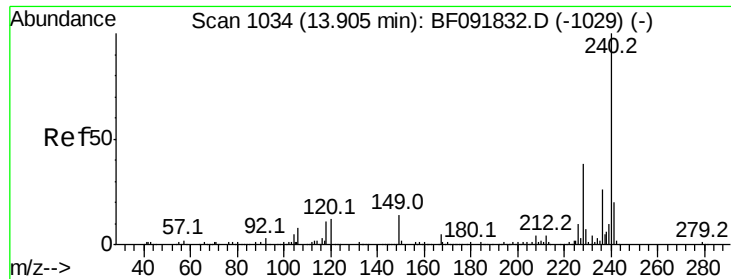
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#74
 Fluoranthene
 Concen: 16.04 ng
 RT: 12.31 min Scan# 912
 Delta R.T. -0.06 min
 Lab File: BF092230.D
 Acq: 13 Jan 2017 2:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	34.6
203	17.7	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1036

Delta R.T. -0.06 min

Lab File: BF092230.D

Acq: 13 Jan 2017 2:52

Instrument :

BNA_F

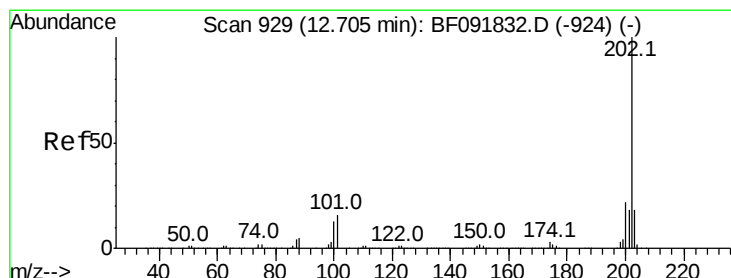
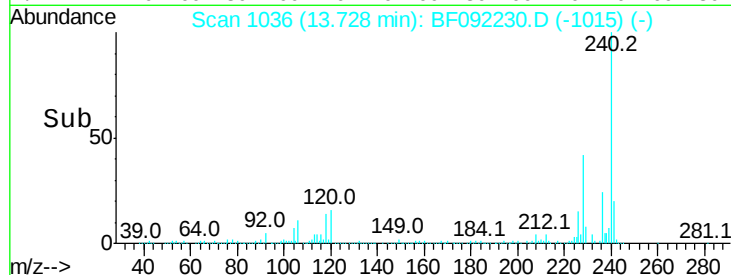
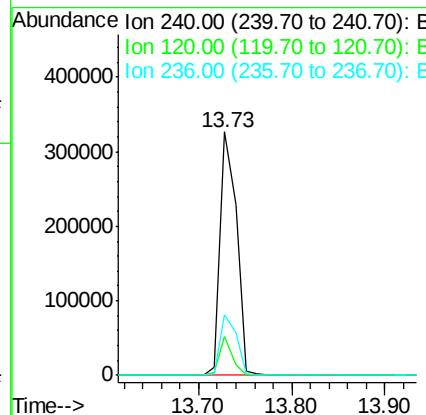
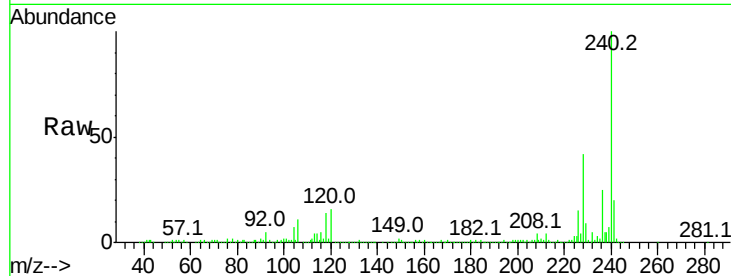
ClientSampleId :

SW-001

Tot Ion	Ratio	Resp	Lower	Upper
240	100	396754		
120	16.0	12.9	19.3	
236	24.8	20.9	31.3	

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#77

Pyrene

Concen: 17.87 ng

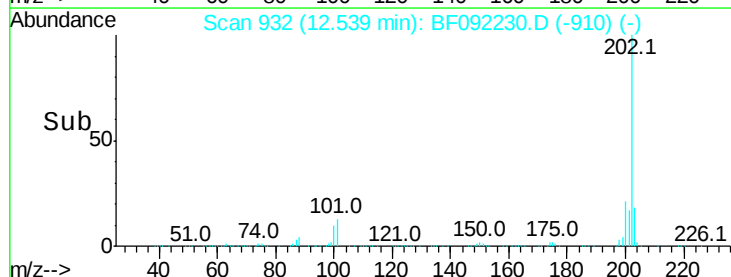
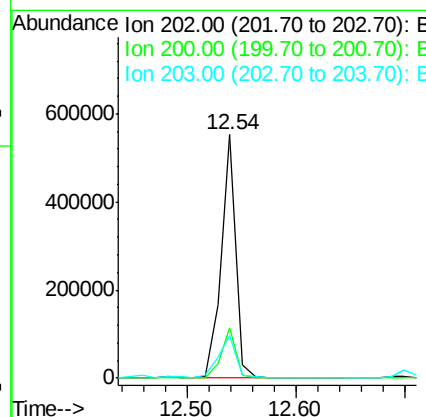
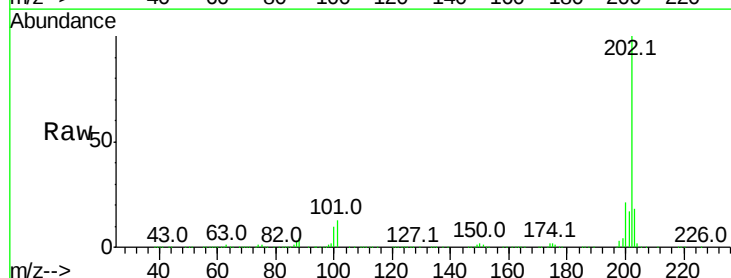
RT: 12.54 min Scan# 932

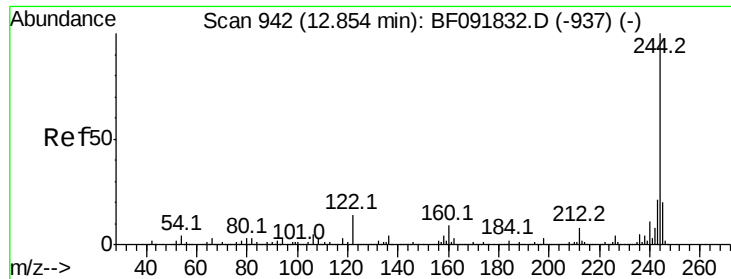
Delta R.T. -0.05 min

Lab File: BF092230.D

Acq: 13 Jan 2017 2:52

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	520076		
200	20.8	17.7	26.5	
203	17.8	14.7	22.1	





#78

Terphenyl-d14

Concen: 69.82 ng

RT: 12.69 min Scan# 945

Delta R.T. -0.06 min

Lab File: BF092230.D

Acq: 13 Jan 2017 2:52

Instrument :

BNA_F

ClientSampled :

SW-001

Tot Ion:244 Resp: 1142195

Ion Ratio Lower Upper

244 100

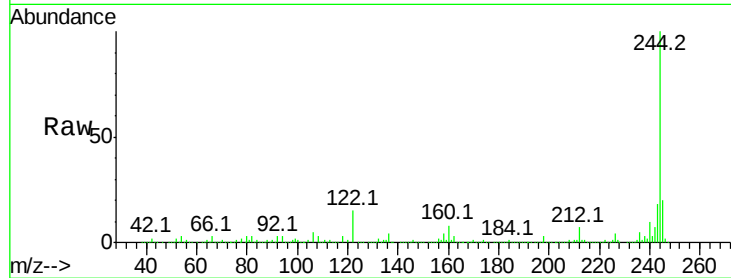
212 7.0 6.2 9.2

122 15.2 11.4 17.2

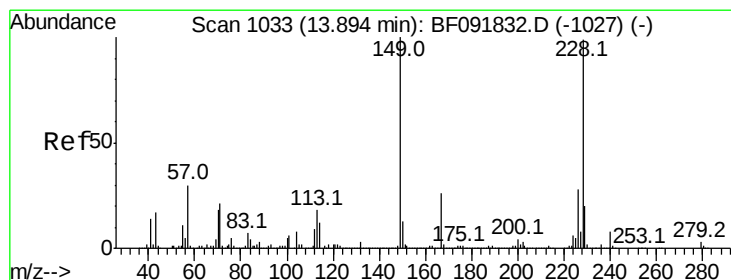
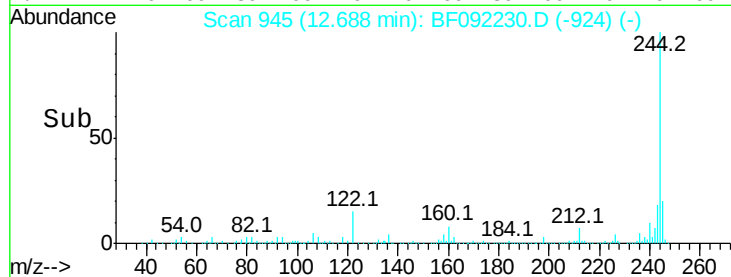
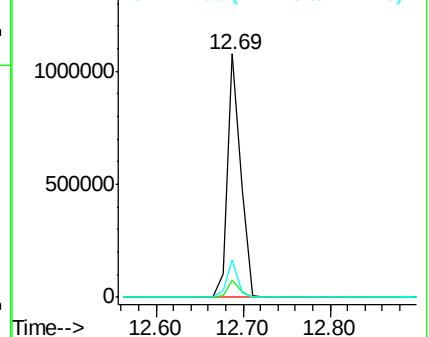
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 9.99 ng

RT: 13.72 min Scan# 1035

Delta R.T. -0.06 min

Lab File: BF092230.D

Acq: 13 Jan 2017 2:52

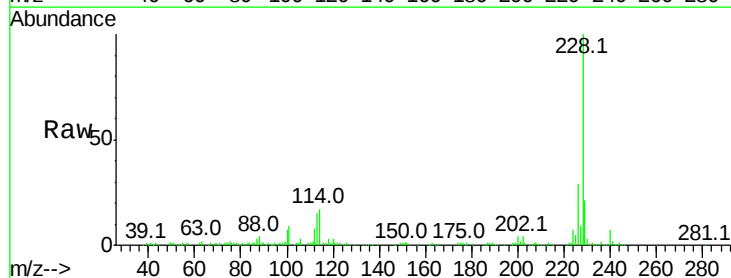
Tgt Ion:228 Resp: 223808

Ion Ratio Lower Upper

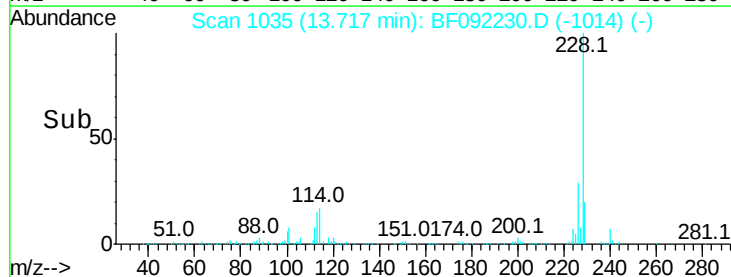
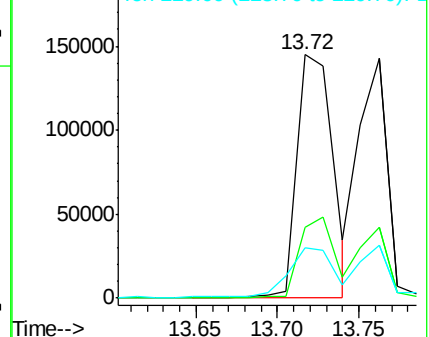
228 100

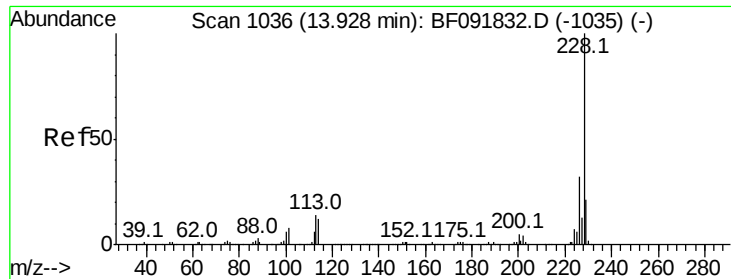
226 28.9 22.4 33.6

229 20.9 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





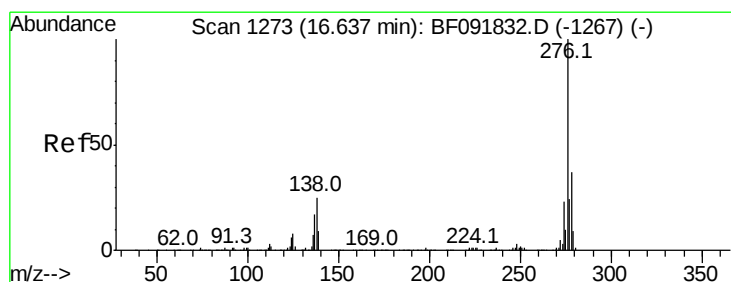
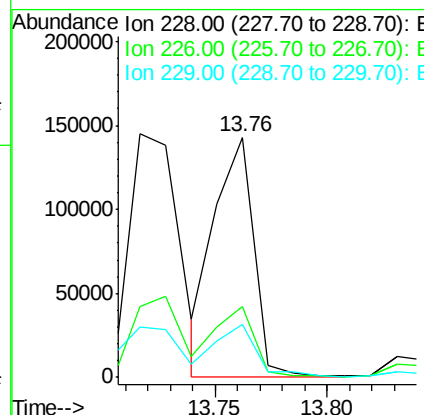
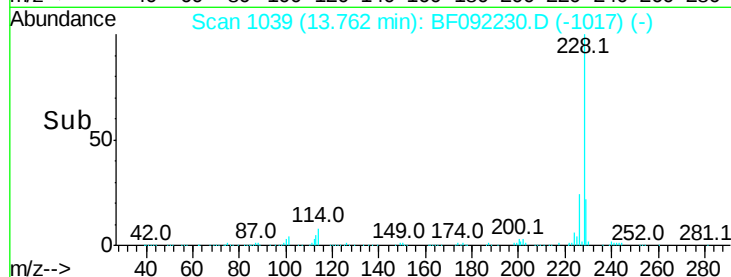
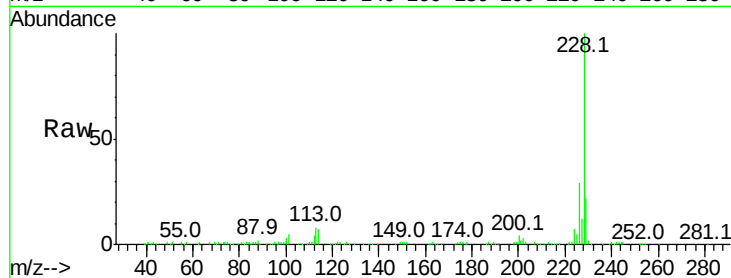
#82
Chrysene
Concen: 7.86 ng/ml
RT: 13.76 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF092230.D
Acq: 13 Jan 2017 2:52

Instrument :
BNA_F
ClientSampleId :
SW-001

Tot Ion:	228	Resp:	176529
Ion Ratio	Lower	Upper	
228	100		
226	29.4	25.4	38.0
229	22.0	16.2	24.2

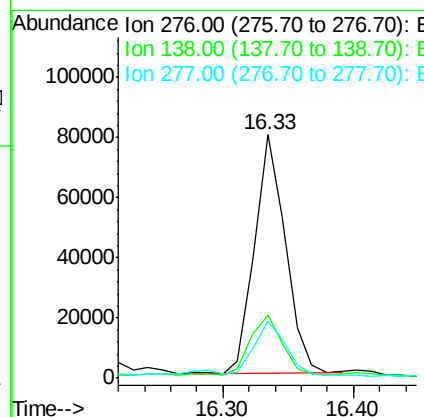
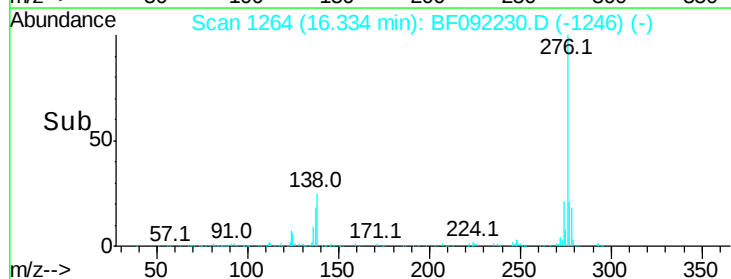
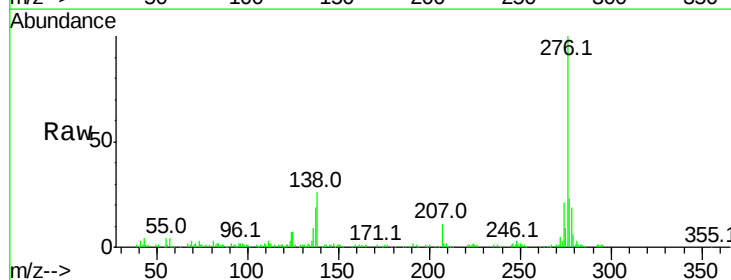
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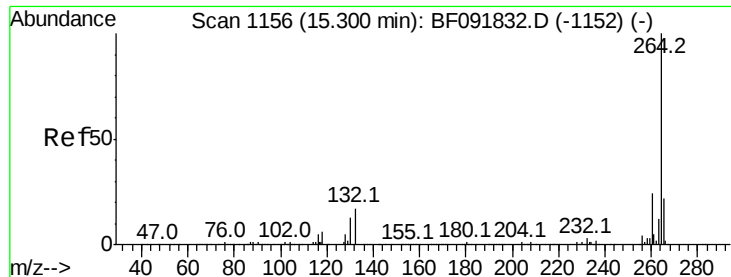
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.76 ng
RT: 16.33 min Scan# 1264
Delta R.T. -0.09 min
Lab File: BF092230.D
Acq: 13 Jan 2017 2:52

Tgt Ion:	276	Resp:	131627
Ion Ratio	Lower	Upper	
276	100		
138	27.9	21.8	32.6
277	27.4	20.2	30.4





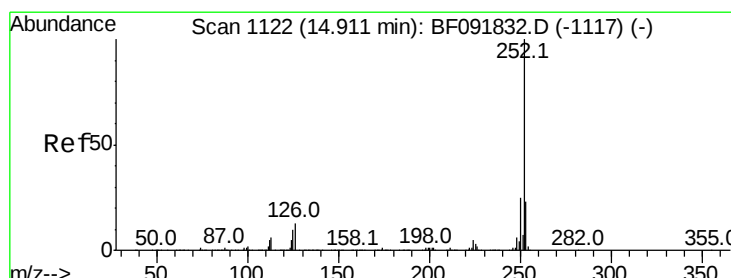
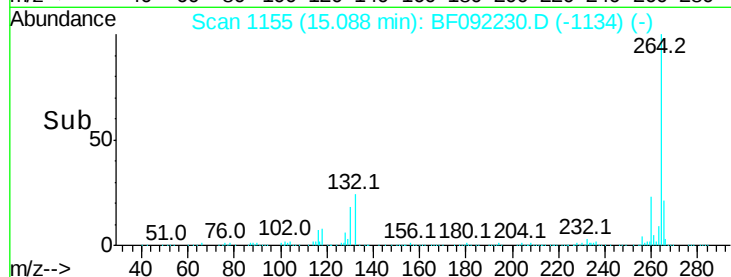
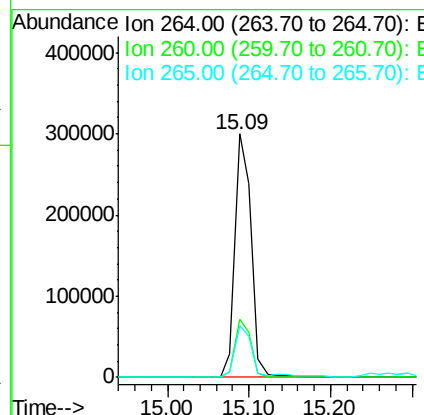
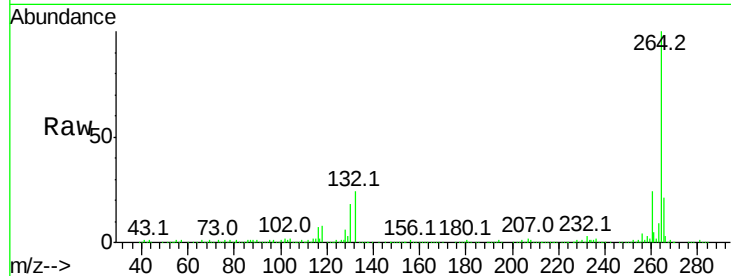
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.09 min Scan# 1155
Delta R.T. -0.06 min
Lab File: BF092230.D
Acq: 13 Jan 2017 2:52

Instrument :
BNA_F
ClientSampleId :
SW-001

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.3	17.4	26.0

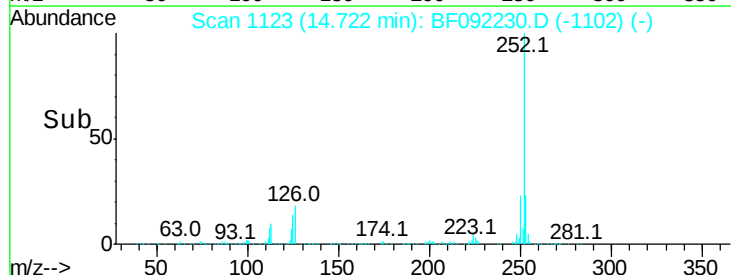
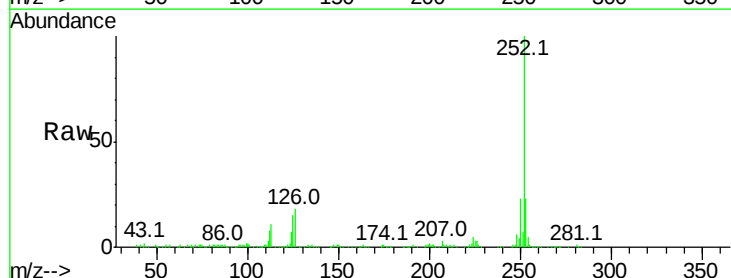
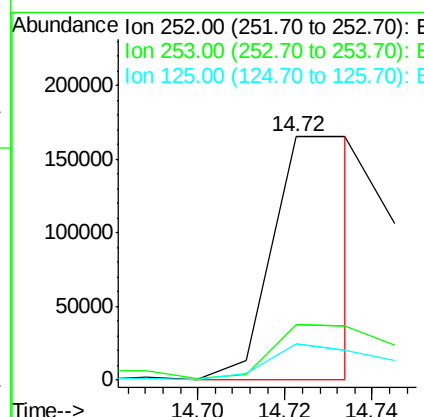
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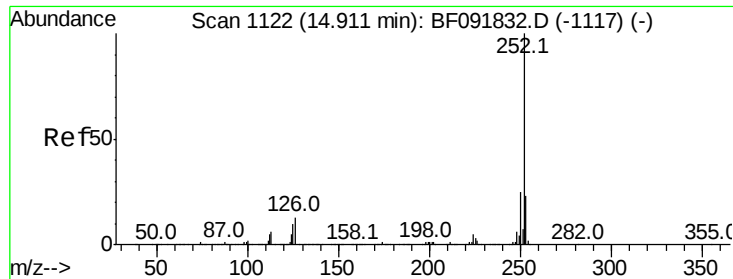
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#87
Benzo(b)fluoranthene
Concen: 9.12 ng m
RT: 14.72 min Scan# 1123
Delta R.T. -0.06 min
Lab File: BF092230.D
Acq: 13 Jan 2017 2:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	14.7	9.8	14.6#





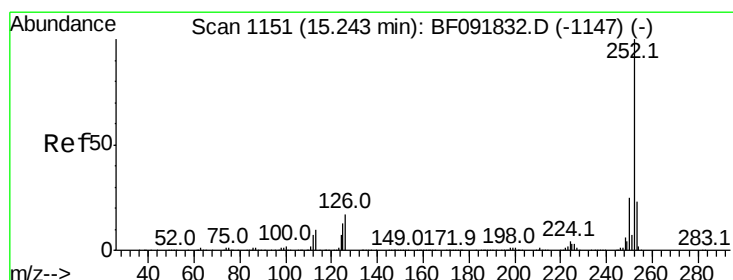
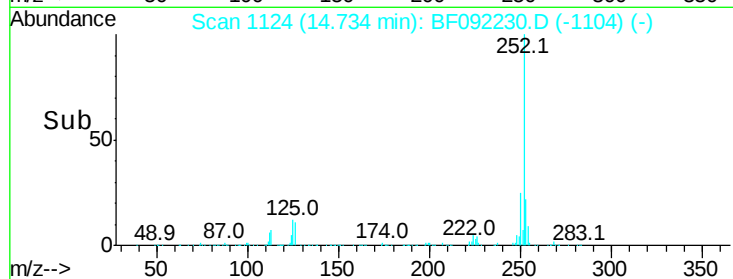
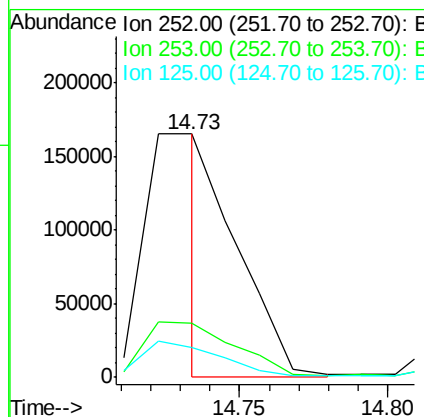
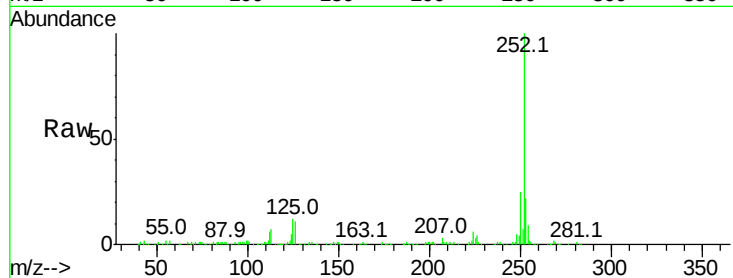
#88
Benzo(k)fluoranthene
Concen: 5.30 ng m
RT: 14.73 min Scan# 1124
Delta R.T. -0.07 min
Lab File: BF092230.D
Acq: 13 Jan 2017 2:52

Instrument :
BNA_F
ClientSampled :
SW-001

Tot Ion	Ratio	Resp	Lower	Upper
252	100	116714		
253	22.1		18.5	27.7
125	12.0		8.9	13.3

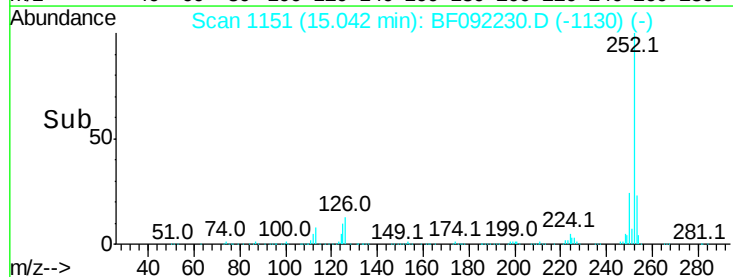
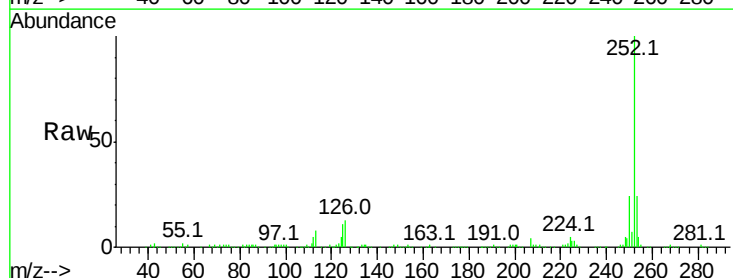
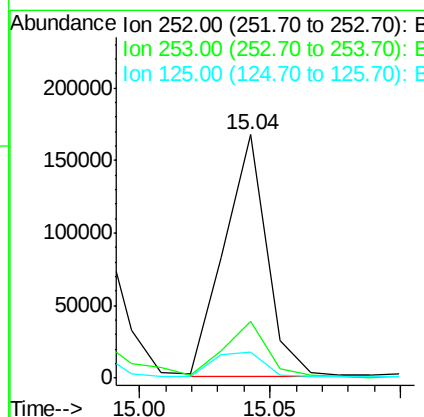
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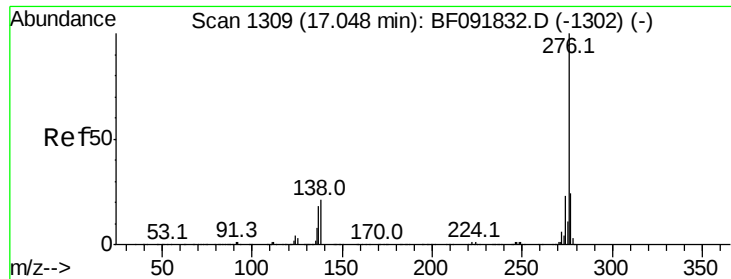
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#89
Benzo(a)pyrene
Concen: 8.26 ng
RT: 15.04 min Scan# 1151
Delta R.T. -0.06 min
Lab File: BF092230.D
Acq: 13 Jan 2017 2:52

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	189269		
253	23.5		18.2	27.2
125	10.7		10.0	15.0





#91
 Benzo(a,h,i)perylene
 Concen: 6.07 ng
 RT: 16.70 min Scan# 1296
 Delta R.T. -0.10 min
 Lab File: BF092230.D
 Acq: 13 Jan 2017 2:52

Instrument :
 BNA_F
 ClientSampleId :
 SW-001

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	22.7	19.2	28.8
138	30.6	16.0	24.0

Manual Integrations
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