

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011317\
 Data File : BF092270.D
 Acq On : 14 Jan 2017 4:30
 Operator : UM/SJ
 Sample : I1147-04
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOD-SB-101-0-2

Manual Integrations
 APPROVED

Sohil
 1/16/2017 8:39:29 AM

Quant Time: Jan 16 03:09:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 16 01:02:36 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	176272	20.00	ng	-0.01
21) Naphthalene-d8	7.86	136	709281	20.00	ng	-0.02
38) Acenaphthene-d10	9.60	164	307108	20.00	ng	-0.02
63) Phenanthrene-d10	11.09	188	368691	20.00	ng	-0.01
75) Chrysene-d12	13.72	240	319767	20.00	ng	-0.01
86) Perylene-d12	15.07	264	266144	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	1249803	118.39	ng	0.00
7) Phenol-d6	6.24	99	1536808	119.23	ng	-0.01
23) Nitrobenzene-d5	7.15	82	1033408	81.02	ng	-0.01
41) 2,4,6-Tribromophenol	10.40	330	255067	100.36	ng	-0.01
44) 2-Fluorobiphenyl	8.94	172	1304301	87.38	ng	-0.01
78) Terphenyl-d14	12.67	244	851377	64.57	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.26	94	107730	7.33	ng	# 73
49) Dimethylphthalate	9.34	163	255920	13.03	ng	99
51) Acenaphthene	9.64	154	35042	2.02	ng	95
70) Phenanthrene	11.11	178	272720	13.64	ng	96
71) Anthracene	11.16	178	77305	2.82	ng	97
74) Fluoranthene	12.29	202	402674	20.91	ng	96
77) Pyrene	12.52	202	365884	15.60	ng	97
80) Benzo(a)anthracene	13.71	228	210098	11.64	ng	99
82) Chrysene	13.74	228	172097m	9.51	ng	
85) Indeno(1,2,3-cd)pyrene	16.30	276	72169	4.60	ng	# 90
87) Benzo(b)fluoranthene	14.71	252	243172m	14.68	ng	
88) Benzo(k)fluoranthene	14.73	252	37916m	2.68	ng	
89) Benzo(a)pyrene	15.02	252	143574	9.76	ng	98
91) Benzo(a,h,i)perylene	16.67	276	65703	5.23	ng	# 94

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

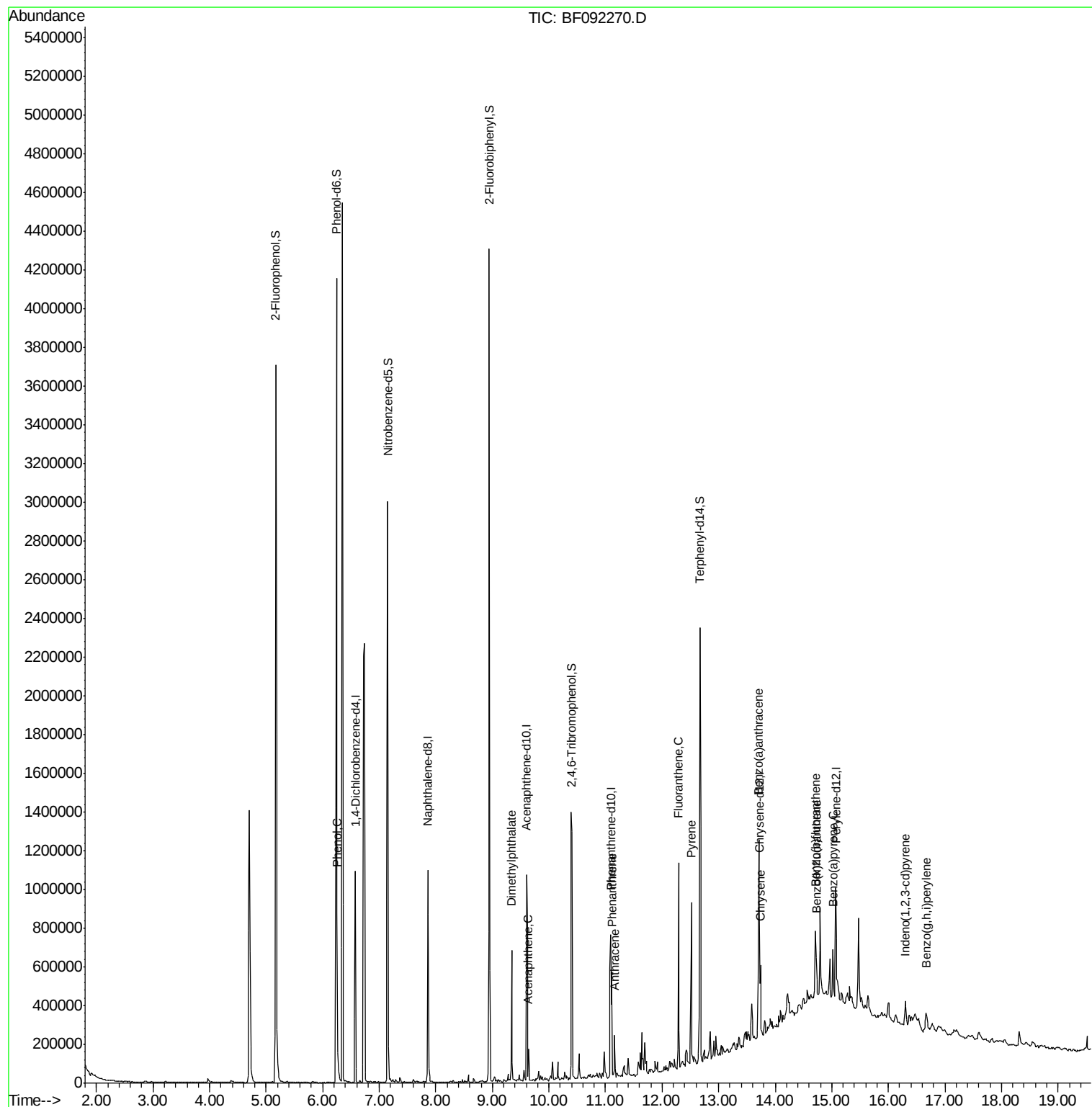
Data Path : Z:\HPCHEM1\BNA F\DATA\BF011317\
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#1

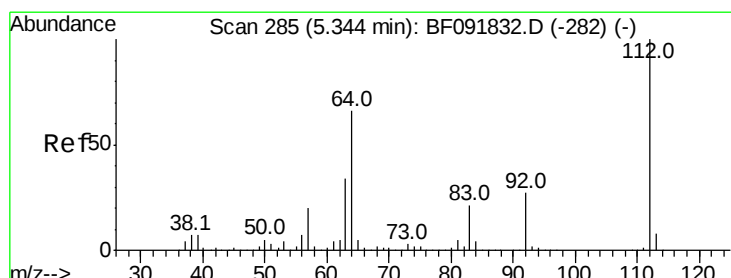
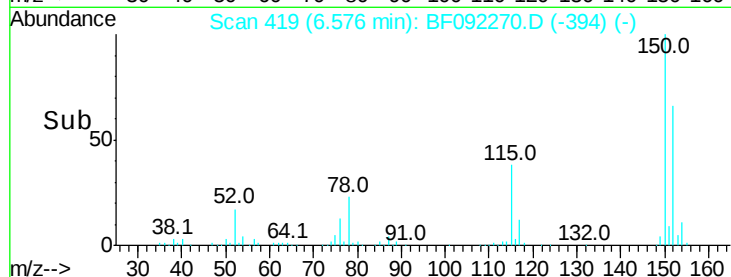
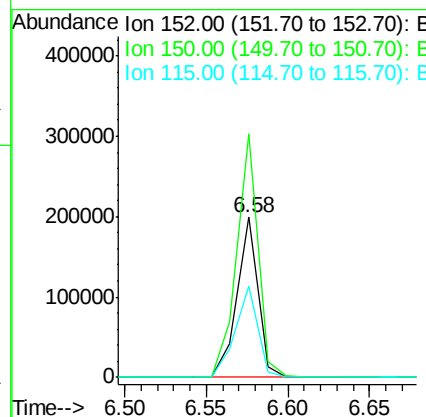
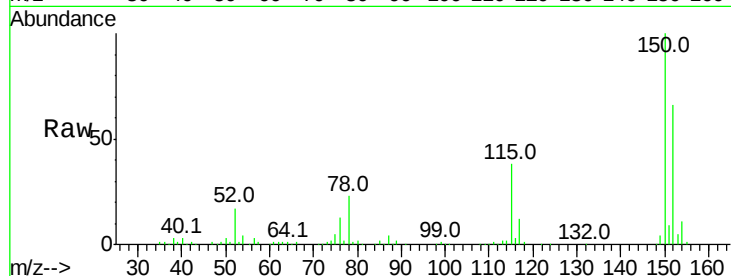
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.58 min Scan# 419
Delta R.T. -0.01 min
Lab File: BF092270.D
Acq: 14 Jan 2017 4:30

Instrument :
BNA_F
ClientSampleId :
TOD-SB-101-0-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	124.9	187.3
115	57.1	46.0	69.0

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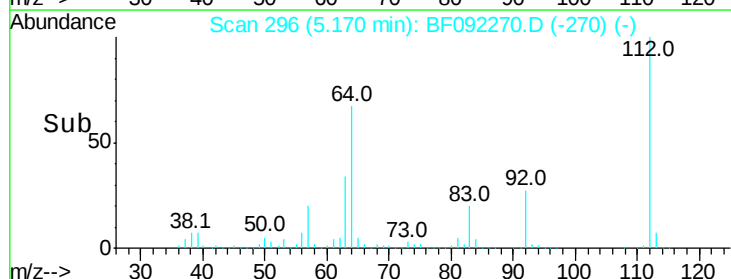
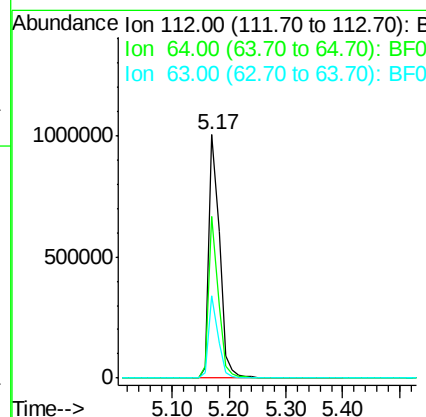
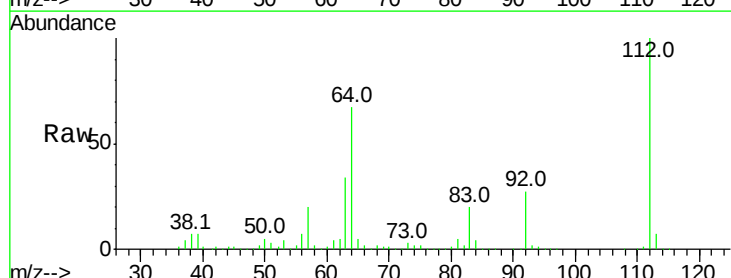
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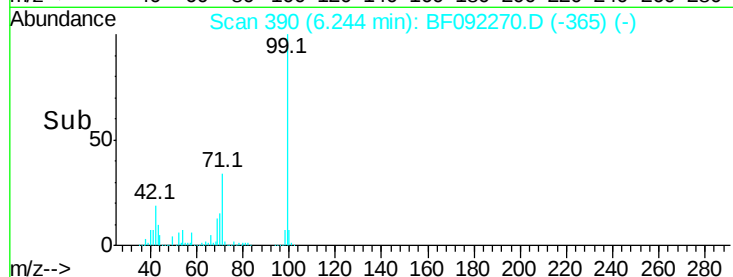
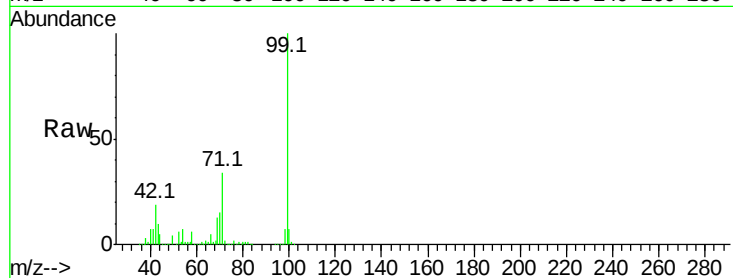
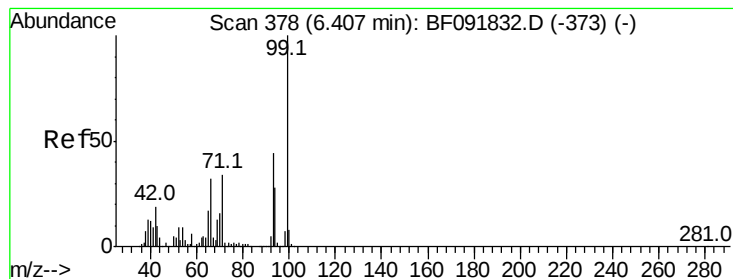


#5

2-Fluorophenol
Concen: 118.39 ng
RT: 5.17 min Scan# 296
Delta R.T. 0.00 min
Lab File: BF092270.D
Acq: 14 Jan 2017 4:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	46.1	69.1
63	33.9	23.8	35.6





#7

Phenol-d6

Concen: 119.23 ng

RT: 6.24 min Scan# 390

Delta R.T. -0.01 min

Lab File: BF092270.D

Acq: 14 Jan 2017 4:30

Tot Ion:	99	Resp:	1536808
Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.6	23.4
71	34.1	27.5	41.3

Instrument :

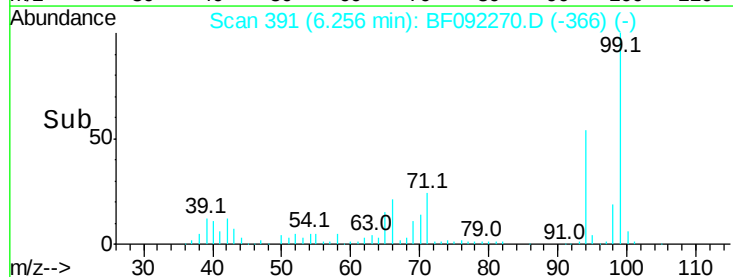
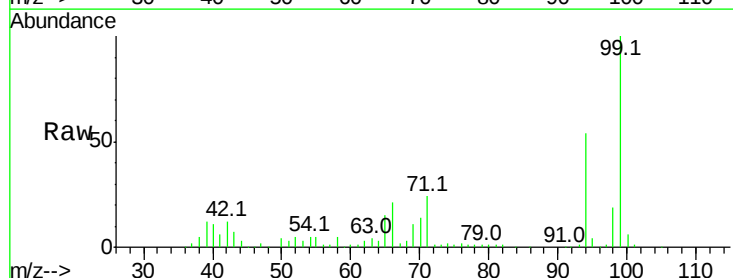
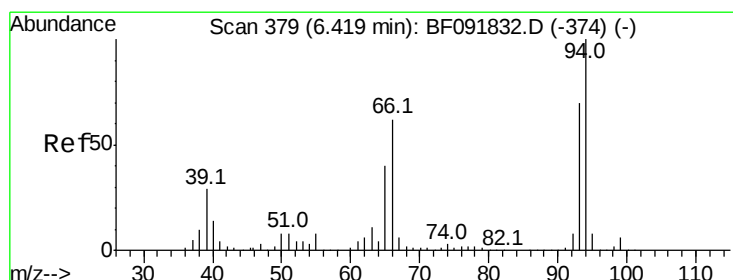
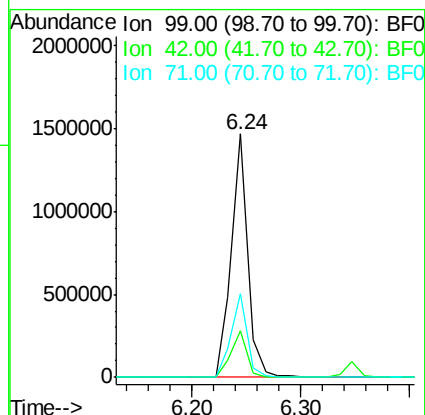
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 7.33 ng

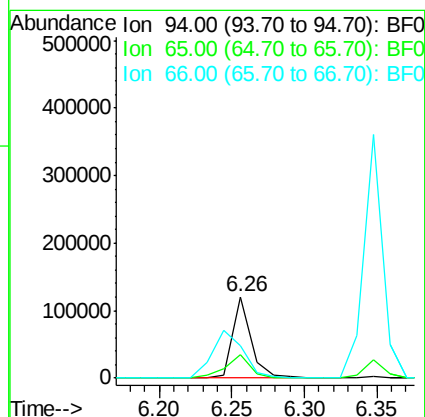
RT: 6.26 min Scan# 391

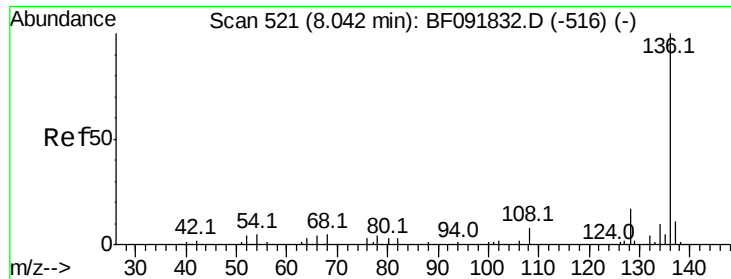
Delta R.T. -0.01 min

Lab File: BF092270.D

Acq: 14 Jan 2017 4:30

Tgt Ion:	94	Resp:	107730
Ion	Ratio	Lower	Upper
94	100		
65	28.4	21.4	61.4
66	39.3	44.0	84.0#





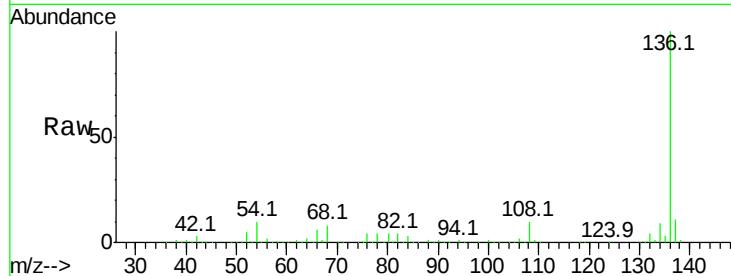
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 531
Delta R.T. -0.02 min
Lab File: BF092270.D
Acq: 14 Jan 2017 4:30

Instrument :
BNA_F
ClientSampleId :
TOD-SB-101-0-2

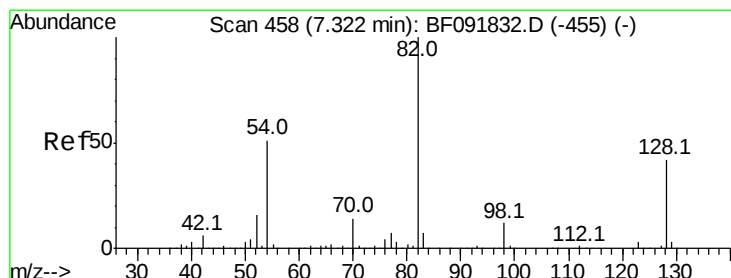
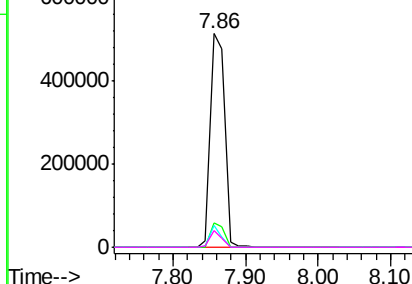
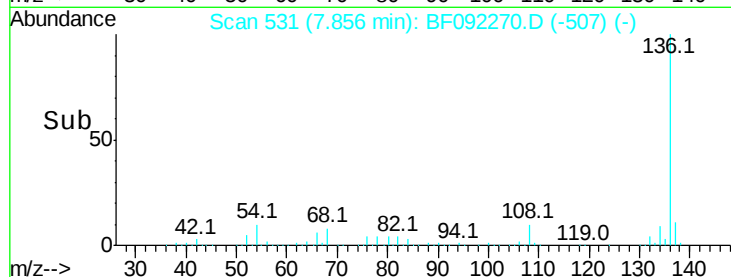
Tot Ion	Ratio	Resp	Lower	Upper
136	100	709281		
137	11.3		8.4	12.6
54	10.4		4.5	6.7#
68	8.0		3.6	5.4#

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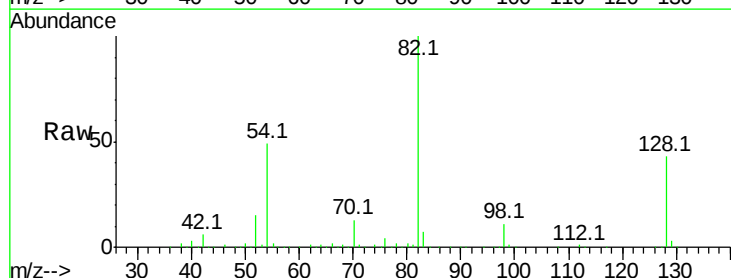


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

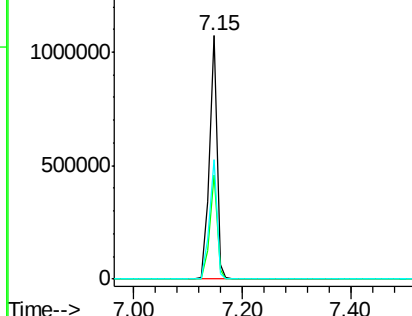
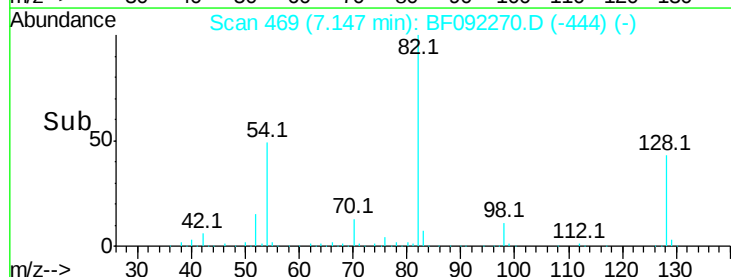


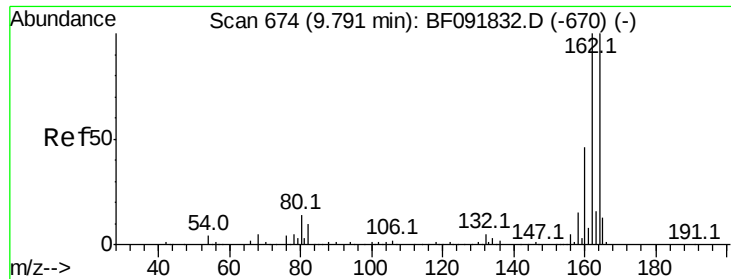
#23
Nitrobenzene-d5
Concen: 81.02 ng
RT: 7.15 min Scan# 469
Delta R.T. -0.01 min
Lab File: BF092270.D
Acq: 14 Jan 2017 4:30

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1033408		
128	42.7		34.6	52.0
54	49.3		39.5	59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.60 min Scan# 684

Delta R.T. -0.02 min

Lab File: BF092270.D

Acq: 14 Jan 2017 4:30

Instrument :

BNA_F

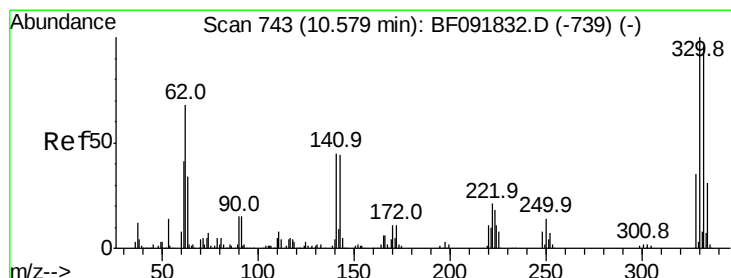
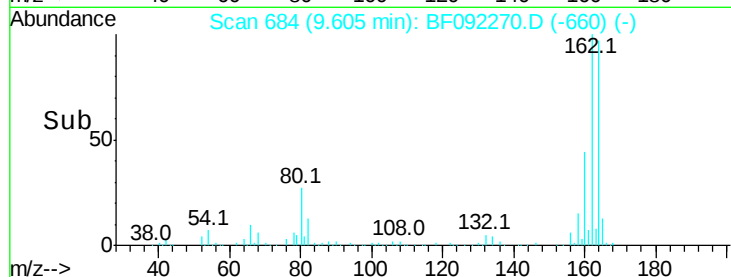
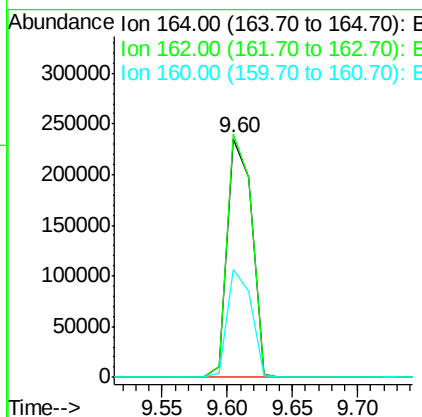
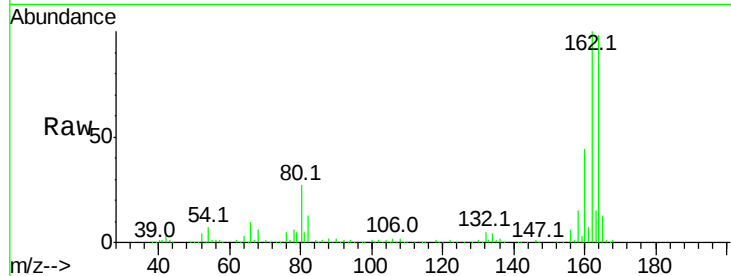
ClientSampleId :

TOD-SB-101-0-2

Tot Ion	Ratio	Resp	Lower	Upper
164	100	307108		
162	101.9	80.2	120.2	
160	45.0	36.9	55.3	

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#41

2,4,6-Tribromophenol

Concen: 100.36 ng

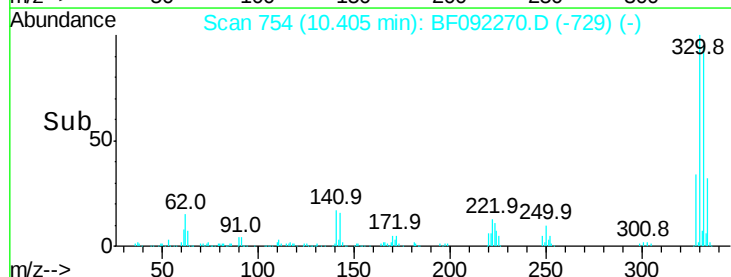
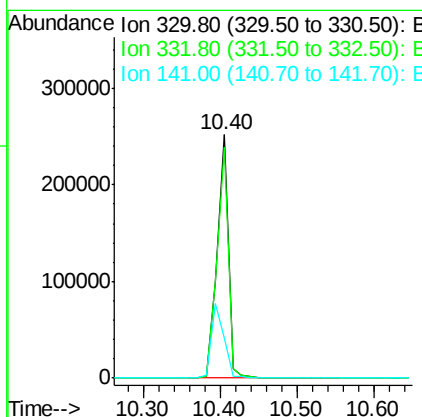
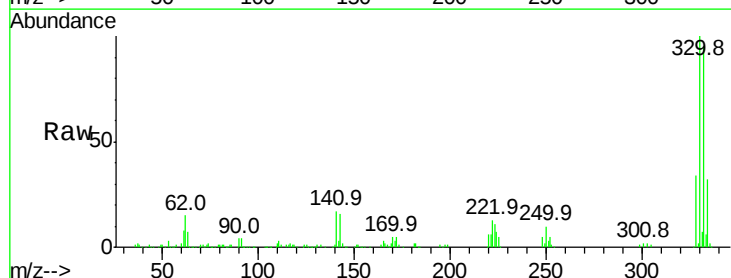
RT: 10.40 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF092270.D

Acq: 14 Jan 2017 4:30

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	255067		
332	95.9	77.4	116.2	
141	34.2	34.1	51.1	





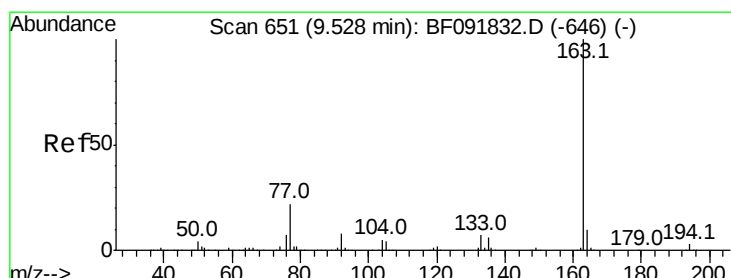
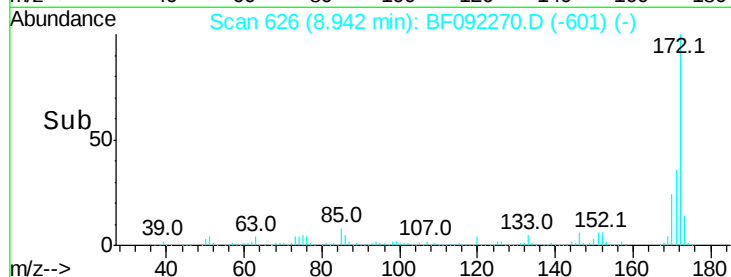
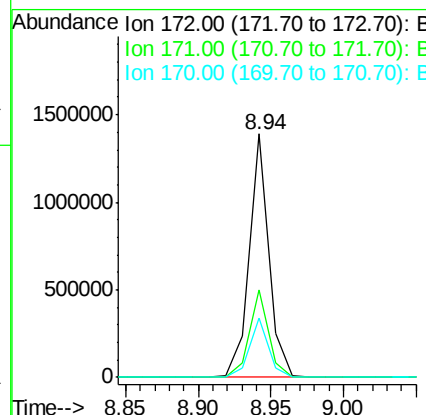
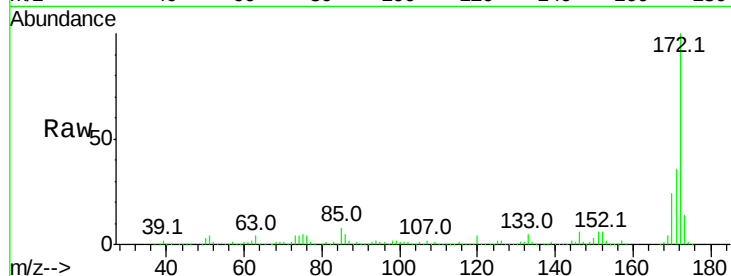
#44
2-Fluorobiphenyl
Concen: 87.38 ng
RT: 8.94 min Scan# 626
Delta R.T. -0.01 min
Lab File: BF092270.D
Acq: 14 Jan 2017 4:30

Instrument :
BNA_F
ClientSampleId :
TOD-SB-101-0-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.0
170	24.3	20.2	30.4

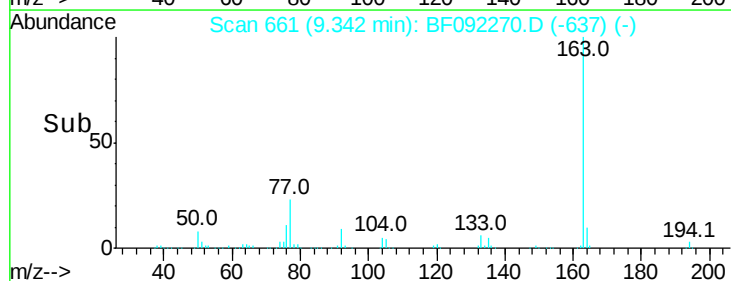
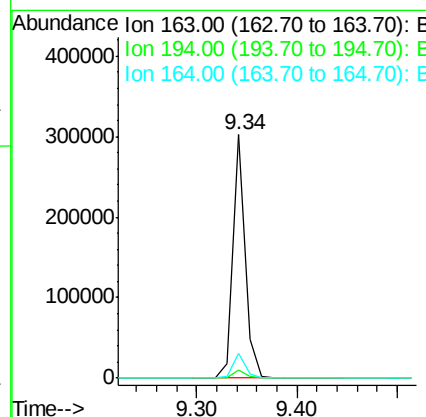
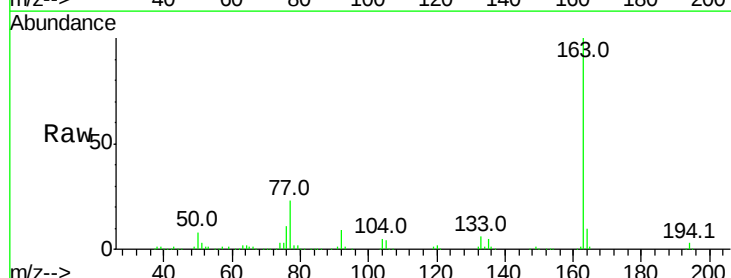
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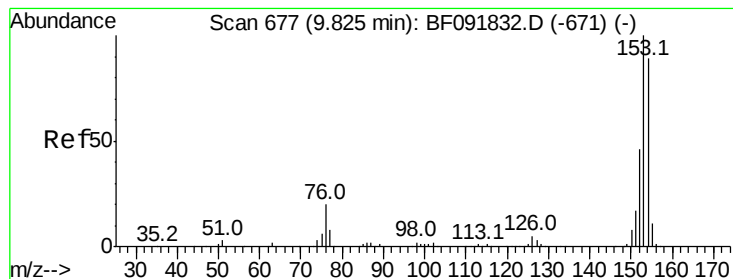
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#49
Dimethylphthalate
Concen: 13.03 ng
RT: 9.34 min Scan# 661
Delta R.T. -0.02 min
Lab File: BF092270.D
Acq: 14 Jan 2017 4:30

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	3.0	4.4
164	10.1	8.0	12.0





#51

Acenaphthene

Concen: 2.02 ng

RT: 9.64 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF092270.D

Acq: 14 Jan 2017 4:30

Instrument :

BNA_F

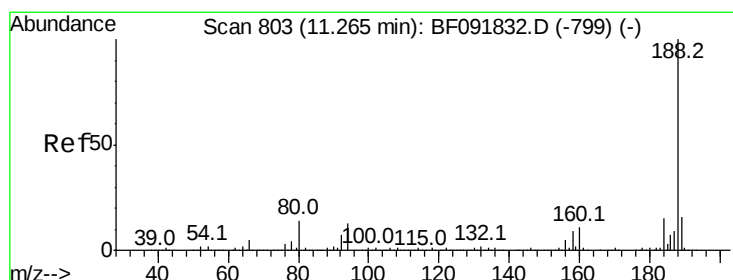
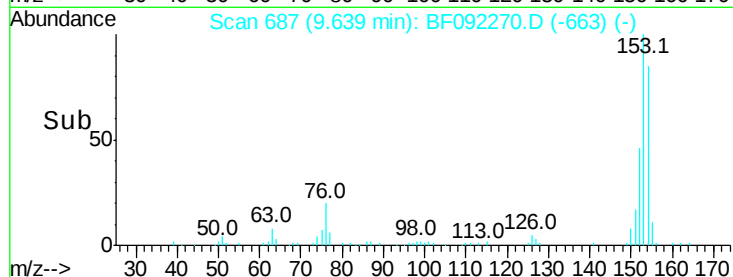
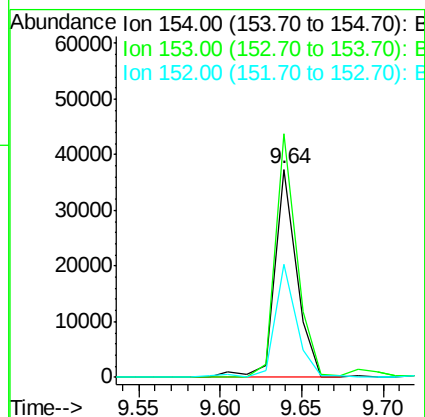
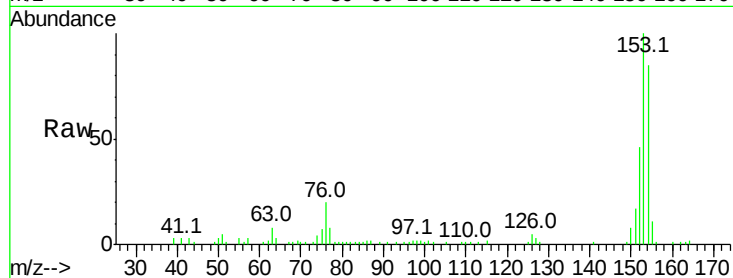
ClientSampleId :

TOD-SB-101-0-2

Tot Ion:	154	Resp:	35042
Ion Ratio	Lower	Upper	
154	100		
153	117.0	88.6	133.0
152	54.1	41.6	62.4

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#63

Phenanthrene-d10

Concen: 20.00 ng

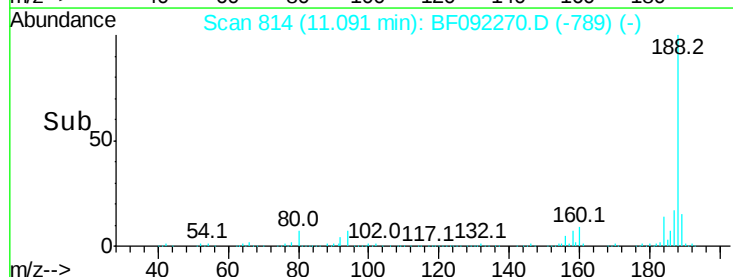
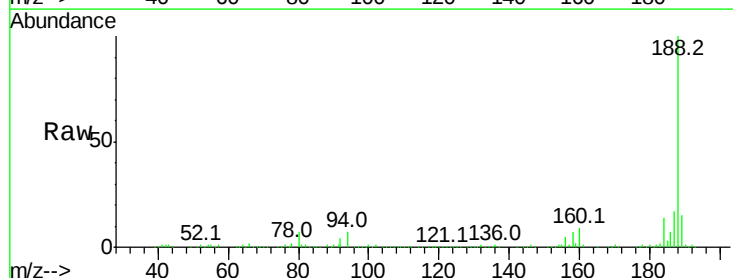
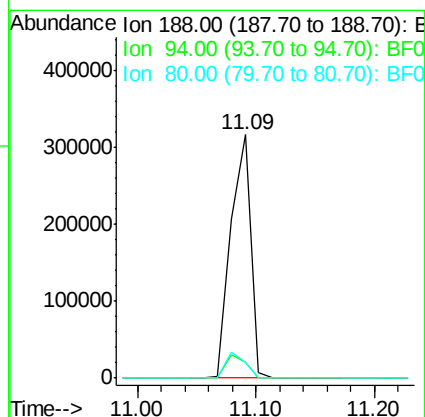
RT: 11.09 min Scan# 814

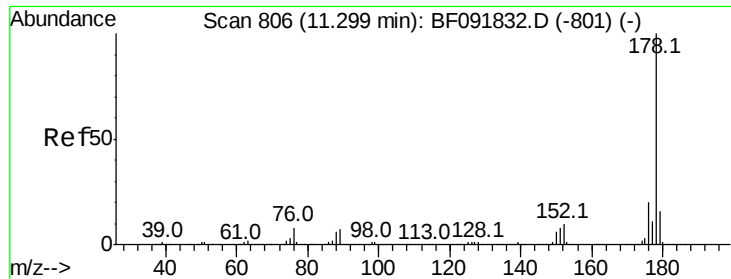
Delta R.T. -0.01 min

Lab File: BF092270.D

Acq: 14 Jan 2017 4:30

Tgt Ion:	188	Resp:	368691
Ion Ratio	Lower	Upper	
188	100		
94	6.6	10.0	15.0#
80	6.7	11.2	16.8#





#70

Phenanthrene

Concen: 13.64 ng

RT: 11.11 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF092270.D

Acq: 14 Jan 2017 4:30

Instrument :

BNA_F

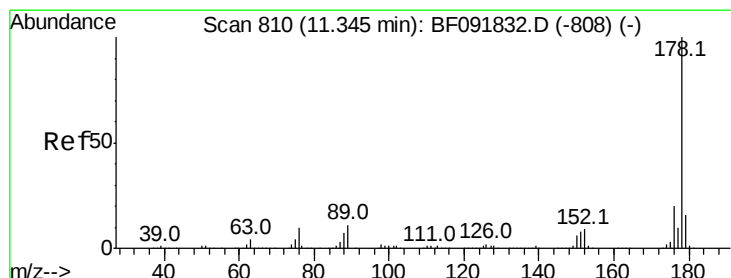
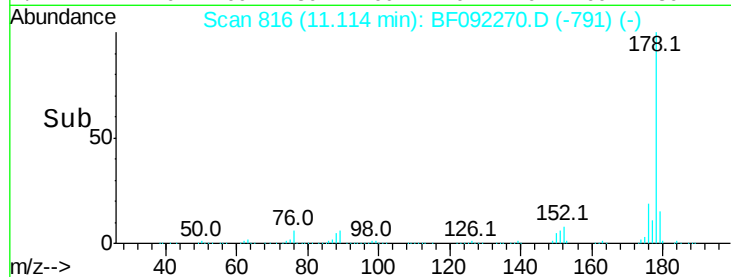
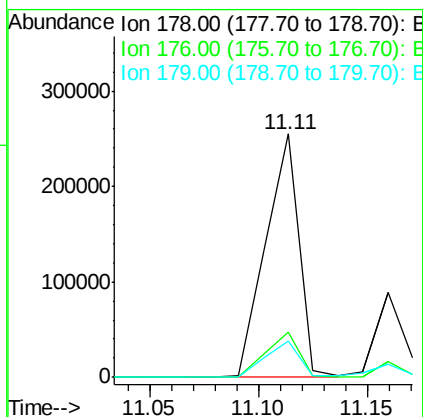
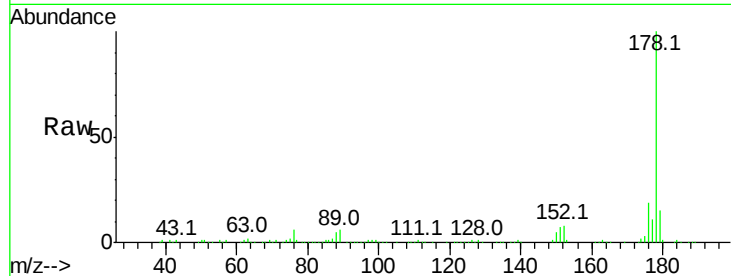
ClientSampled :

TOD-SB-101-0-2

Tot Ion:	178	Resp:	272720
Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.6	25.0
179	14.7	12.8	19.2

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#71

Anthracene

Concen: 2.82 ng

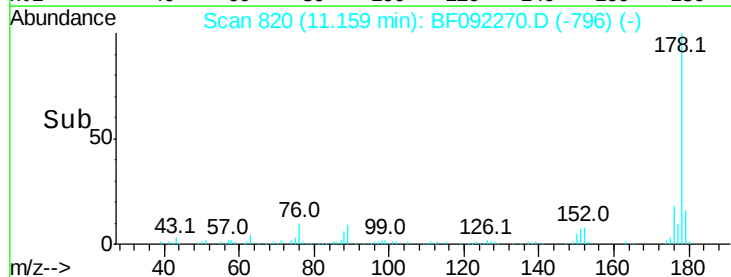
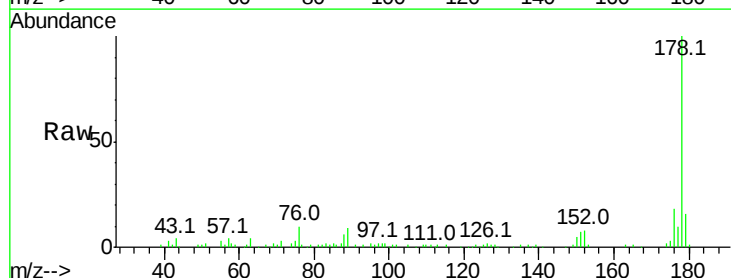
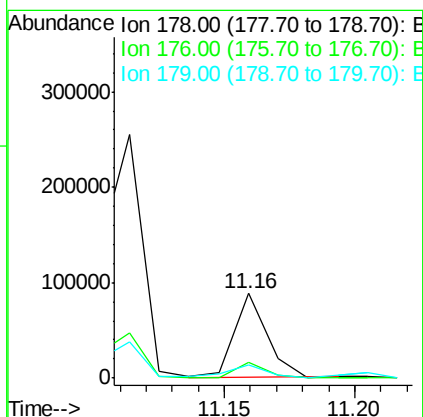
RT: 11.16 min Scan# 820

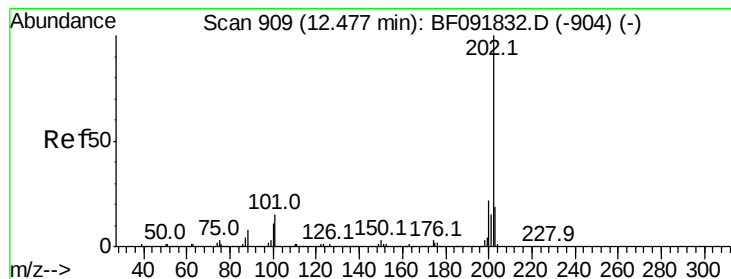
Delta R.T. -0.02 min

Lab File: BF092270.D

Acq: 14 Jan 2017 4:30

Tgt Ion:	178	Resp:	77305
Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.9	23.9
179	16.0	13.2	19.8





#74

Fluoranthene

Concen: 20.91 ng

RT: 12.29 min Scan# 919

Delta R.T. -0.01 min

Lab File: BF092270.D

Acq: 14 Jan 2017 4:30

Instrument :

BNA_F

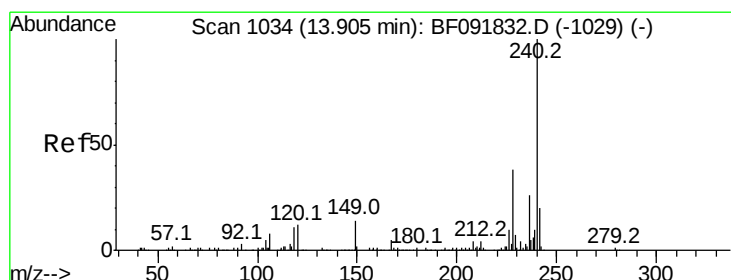
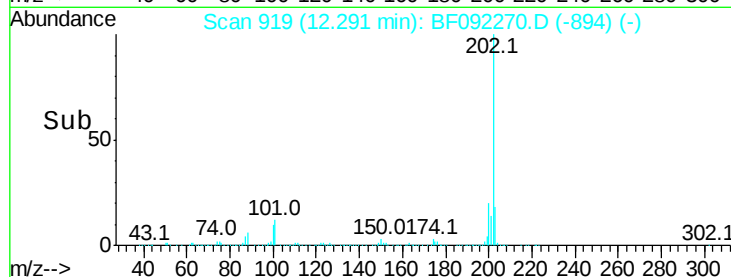
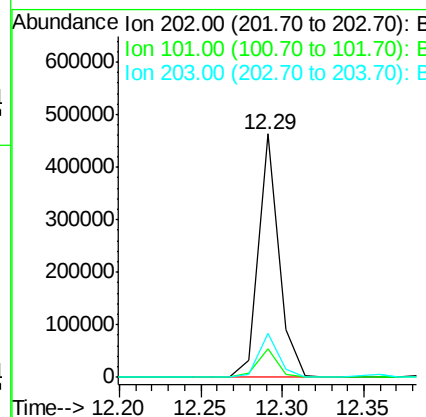
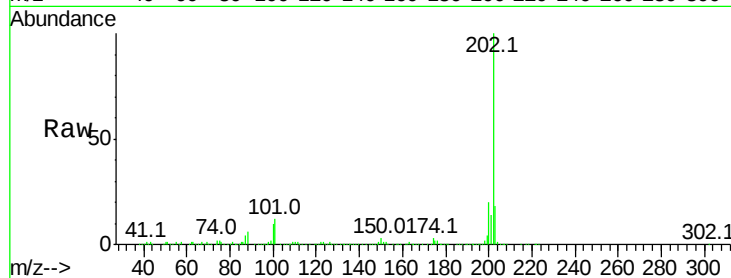
ClientSampleId :

TOD-SB-101-0-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.8	0.0	34.6
203	18.1	0.0	38.7

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#75

Chrysene-d12

Concen: 20.00 ng

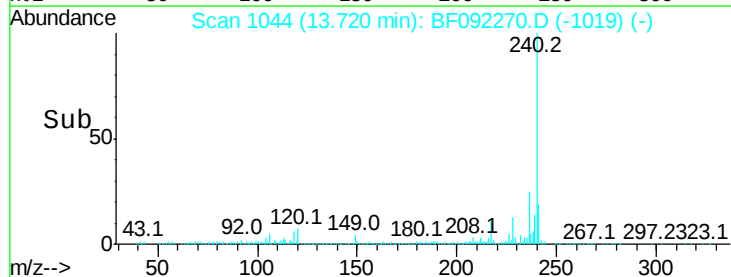
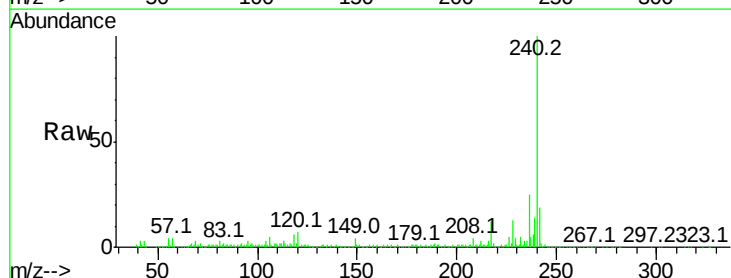
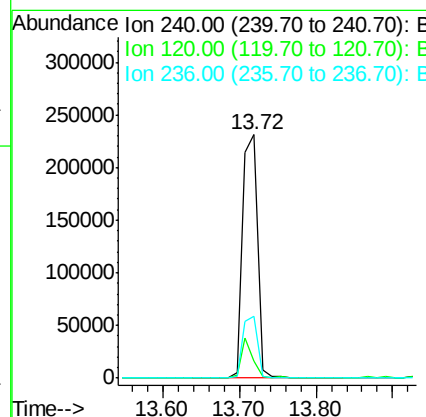
RT: 13.72 min Scan# 1044

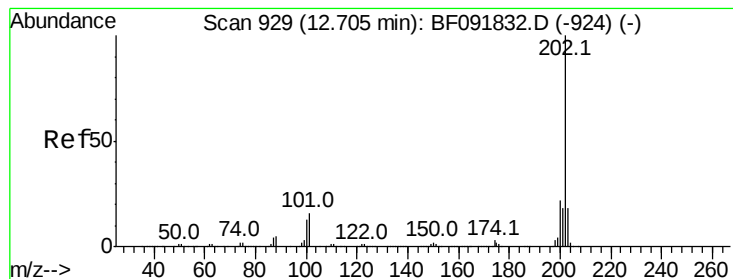
Delta R.T. -0.01 min

Lab File: BF092270.D

Acq: 14 Jan 2017 4:30

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	7.1	12.9	19.3#
236	25.3	20.9	31.3





#77

Pvrene

Concen: 15.60 ng

RT: 12.52 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF092270.D

Acq: 14 Jan 2017 4:30

Instrument :

BNA_F

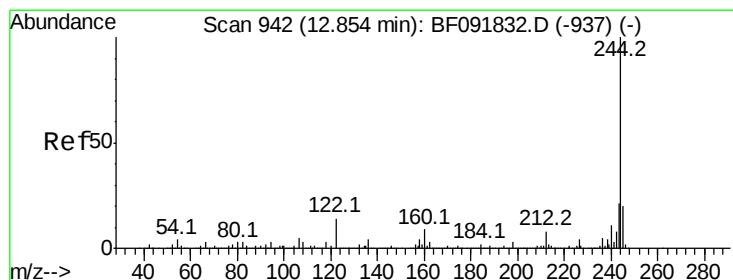
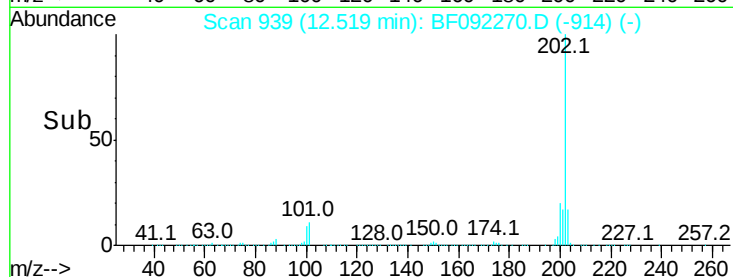
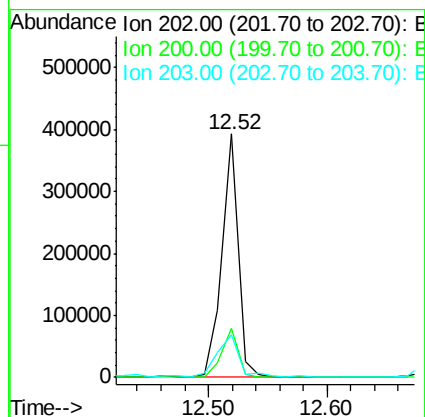
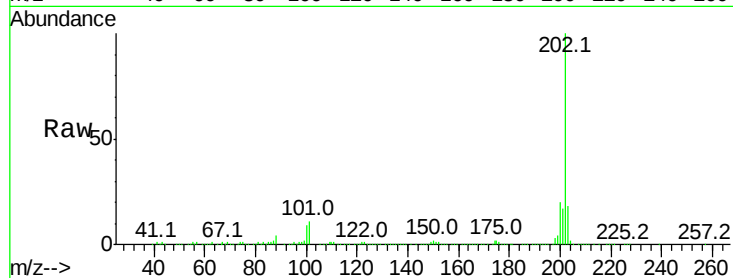
ClientSampleId :

TOD-SB-101-0-2

Tot Ion:	202	Resp:	365884
Ion Ratio	Lower	Upper	
202	100		
200	20.1	17.7	26.5
203	17.5	14.7	22.1

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#78

Terphenyl-d14

Concen: 64.57 ng

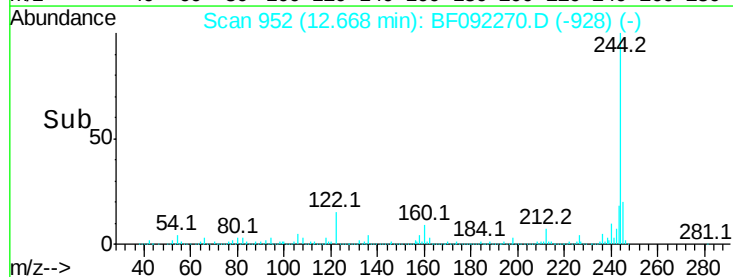
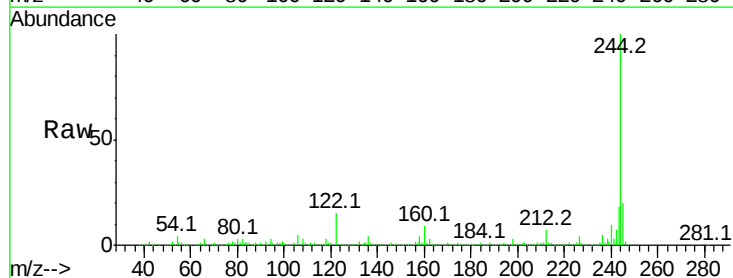
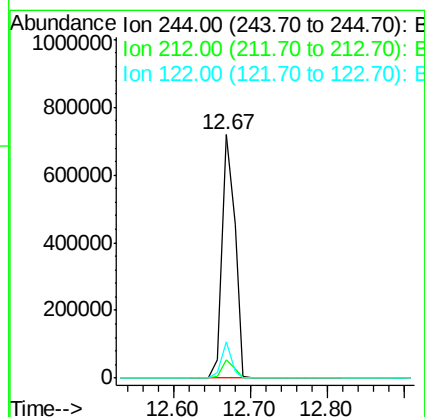
RT: 12.67 min Scan# 952

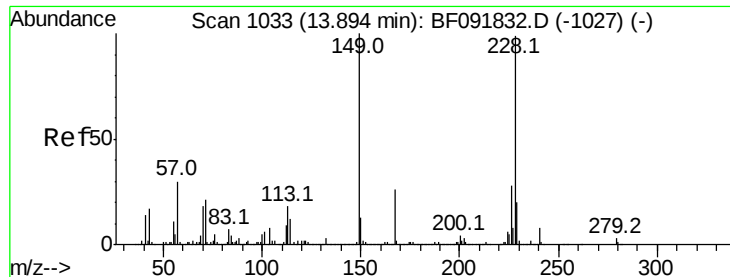
Delta R.T. -0.02 min

Lab File: BF092270.D

Acq: 14 Jan 2017 4:30

Tgt Ion:	244	Resp:	851377
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.2	9.2
122	15.0	11.4	17.2





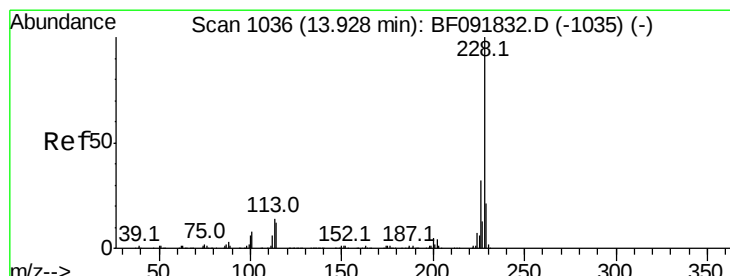
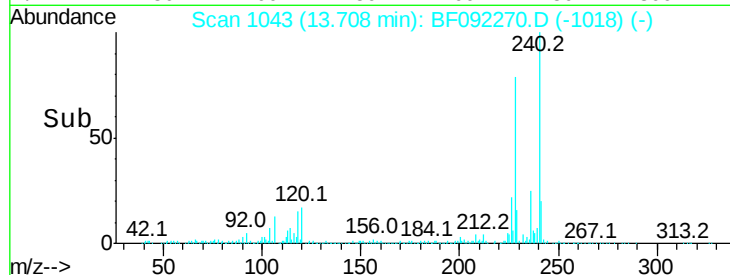
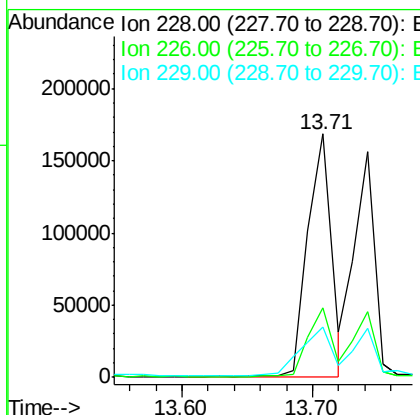
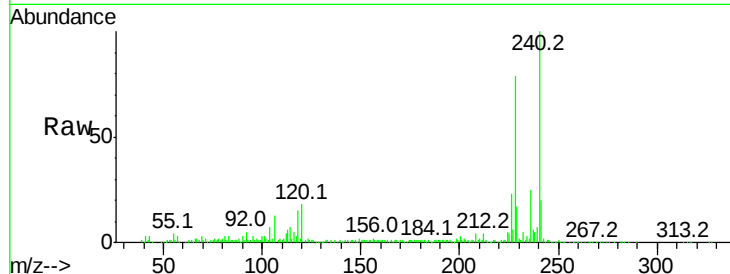
#80
Benzo(a)anthracene
Concen: 11.64 ng
RT: 13.71 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF092270.D
Acq: 14 Jan 2017 4:30

Instrument :
BNA_F
ClientSampleId :
TOD-SB-101-0-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.4	33.6
229	20.9	16.2	24.4

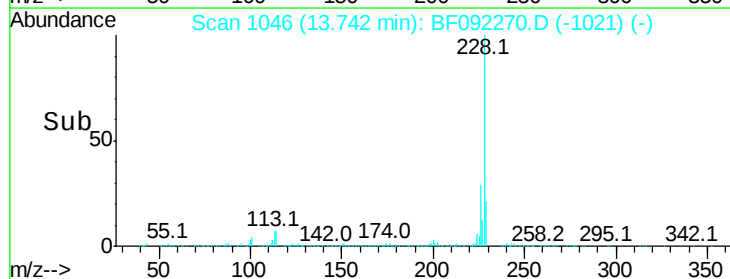
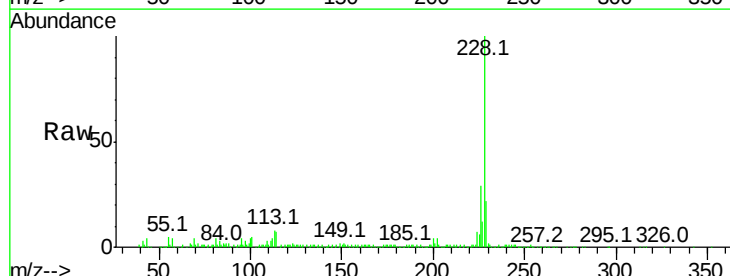
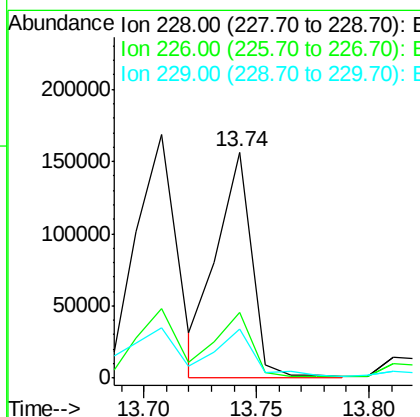
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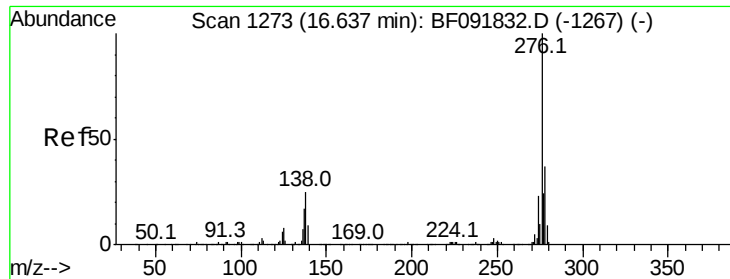
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#82
Chrysene
Concen: 9.51 ng m
RT: 13.74 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF092270.D
Acq: 14 Jan 2017 4:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.4	38.0
229	21.9	16.2	24.2





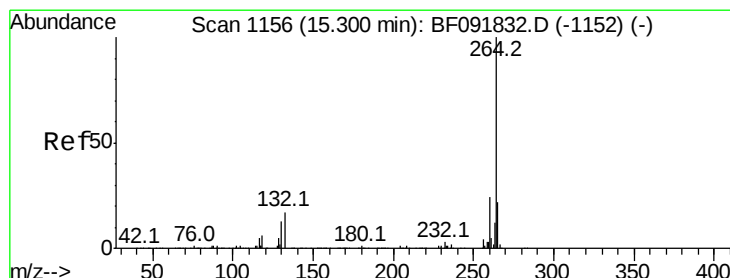
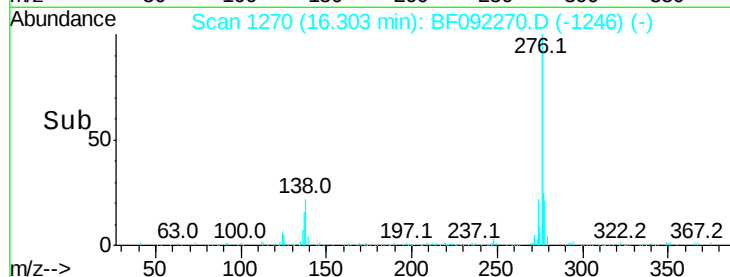
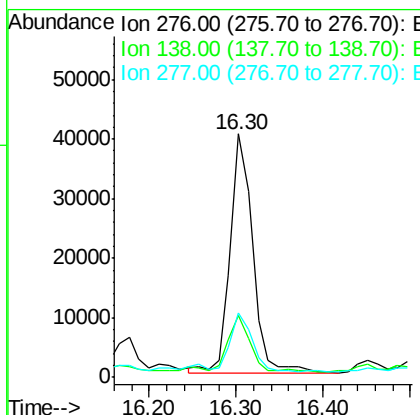
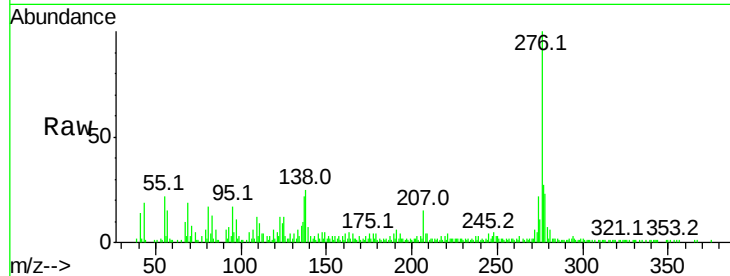
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.60 ng
RT: 16.30 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF092270.D
Acq: 14 Jan 2017 4:30

Instrument :
BNA_F
ClientSampleId :
TOD-SB-101-0-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.8	21.8	32.6#
277	28.9	20.2	30.4

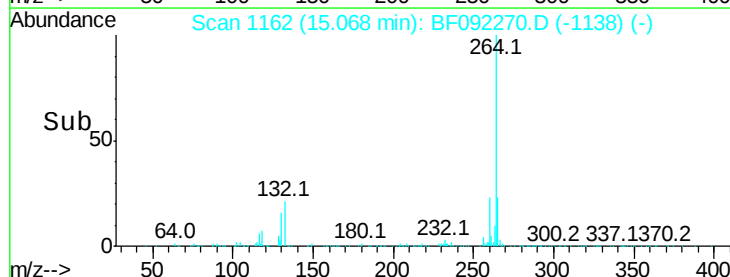
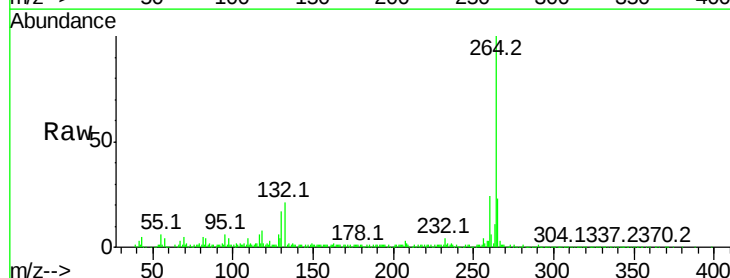
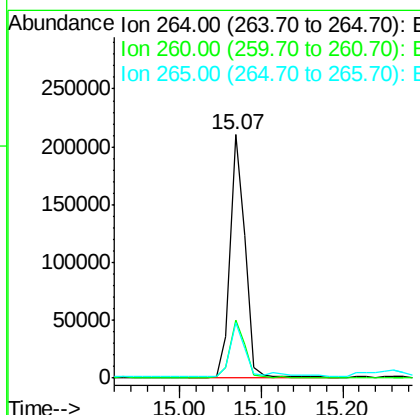
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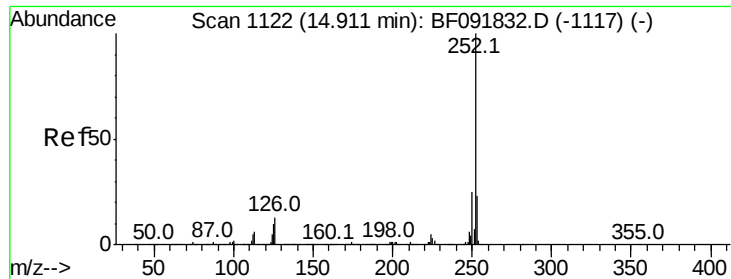
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.07 min Scan# 1162
Delta R.T. -0.02 min
Lab File: BF092270.D
Acq: 14 Jan 2017 4:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.9	17.4	26.0





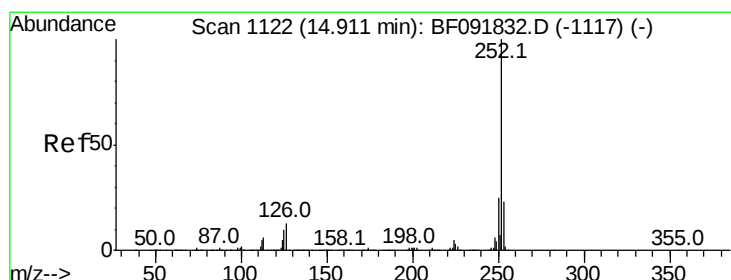
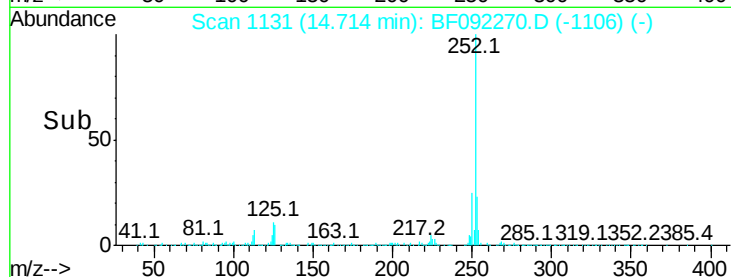
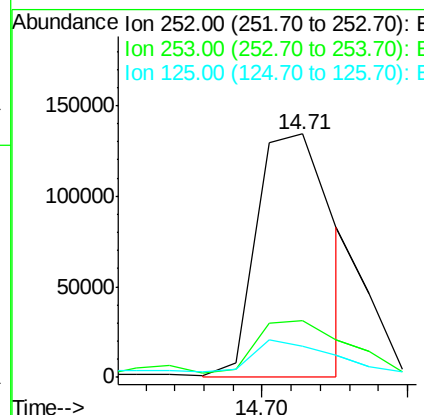
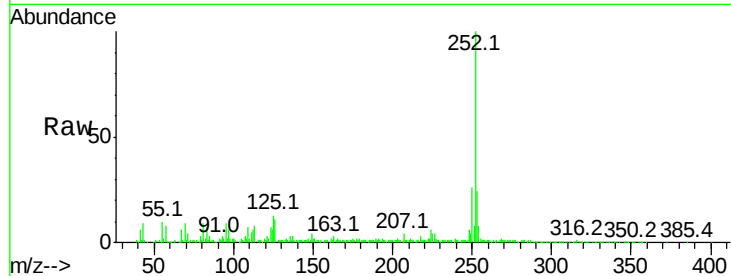
#87
Benzo(b)fluoranthene
Concen: 14.68 ng m
RT: 14.71 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BF092270.D
Acq: 14 Jan 2017 4:30

Instrument :
BNA_F
ClientSampleId :
TOD-SB-101-0-2

Tot Ion	Ratio	Resp	Lower	Upper
252	100	243172		
253	23.6		18.2	27.4
125	13.0		9.8	14.6

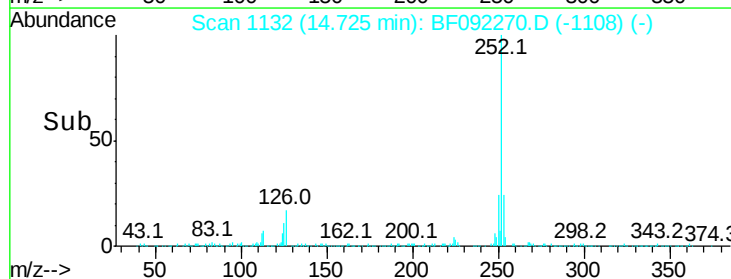
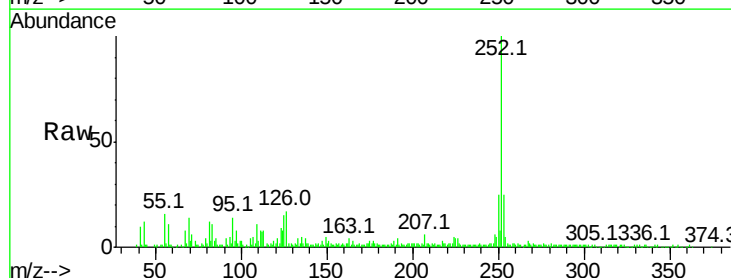
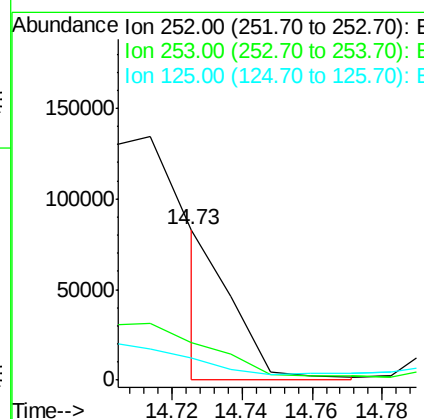
Manual Integrations
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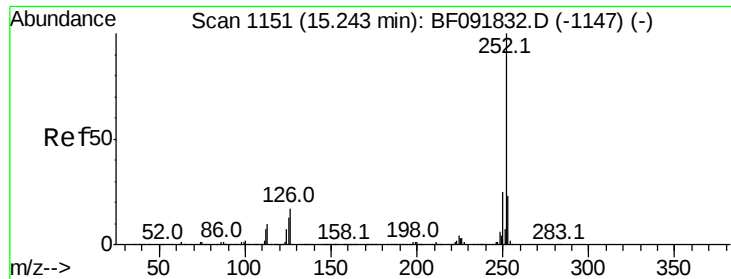
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#88
Benzo(k)fluoranthene
Concen: 2.68 ng m
RT: 14.73 min Scan# 1132
Delta R.T. -0.02 min
Lab File: BF092270.D
Acq: 14 Jan 2017 4:30

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	37916		
253	25.0		18.5	27.7
125	15.0		8.9	13.3#





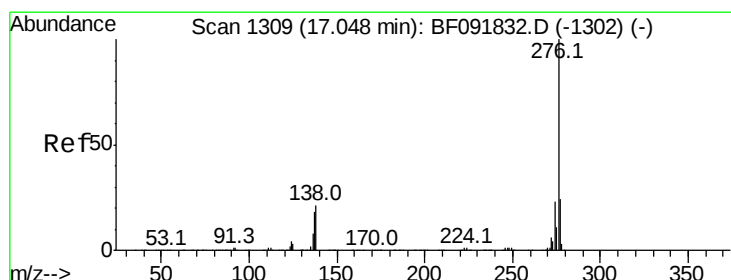
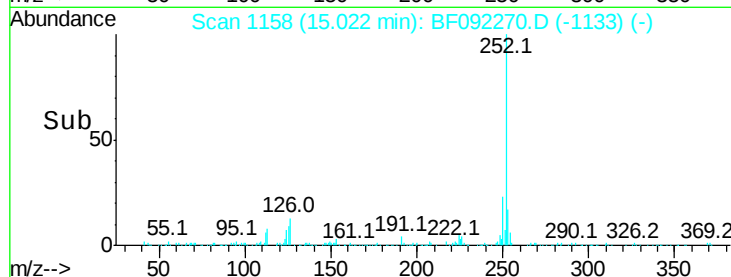
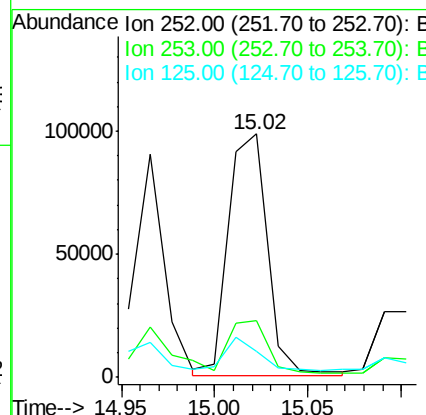
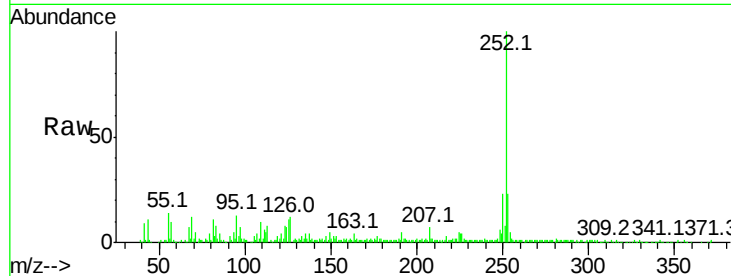
#89
Benzo(a)pyrene
Concen: 9.76 ng
RT: 15.02 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF092270.D
Acq: 14 Jan 2017 4:30

Instrument :
BNA_F
ClientSampleId :
TOD-SB-101-0-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	10.7	10.0	15.0

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.23 ng
RT: 16.67 min Scan# 1302
Delta R.T. -0.03 min
Lab File: BF092270.D
Acq: 14 Jan 2017 4:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.2	28.8
138	24.7	16.0	24.0

