

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022217\
 Data File : BF093096.D
 Acq On : 23 Feb 2017 00:50
 Operator : SJ/MA
 Sample : I1948-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP23-24-COMP17

Manual Integrations
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Quant Time: Feb 23 01:20:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	169127	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	676571	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	318831	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	582560	20.00	ng	-0.02
75) Chrysene-d12	13.99	240	391211	20.00	ng	-0.03
86) Perylene-d12	15.41	264	319213	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1045506	106.06	ng	-0.01
7) Phenol-d6	6.48	99	1390348	109.61	ng	-0.01
23) Nitrobenzene-d5	7.40	82	897883	73.90	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	218780	94.87	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	1368933	77.79	ng	-0.02
78) Terphenyl-d14	12.95	244	1284428	77.14	ng	-0.02
Target Compounds						
10) Phenol	6.49	94	87219	5.88	ng	Qvalue # 69
49) Dimethylphthalate	9.60	163	129948	6.05	ng	97
70) Phenanthrene	11.38	178	149536	4.48	ng	97
74) Fluoranthene	12.57	202	203756	5.92	ng	92
77) Pyrene	12.80	202	178956	6.11	ng	97
80) Benzo(a)anthracene	13.97	228	78242	3.27	ng	98
82) Chrysene	14.02	228	59043m	2.64	ng	
83) Bis(2-ethylhexyl)phthalate	13.97	149	58094	3.57	ng	# 92
87) Benzo(b)fluoranthene	15.00	252	70016m	3.33	ng	
89) Benzo(a)pyrene	15.36	252	44903	2.47	ng	98
91) Benzo(g,h,i)perylene	17.22	276	30551	2.06	ng	# 85

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

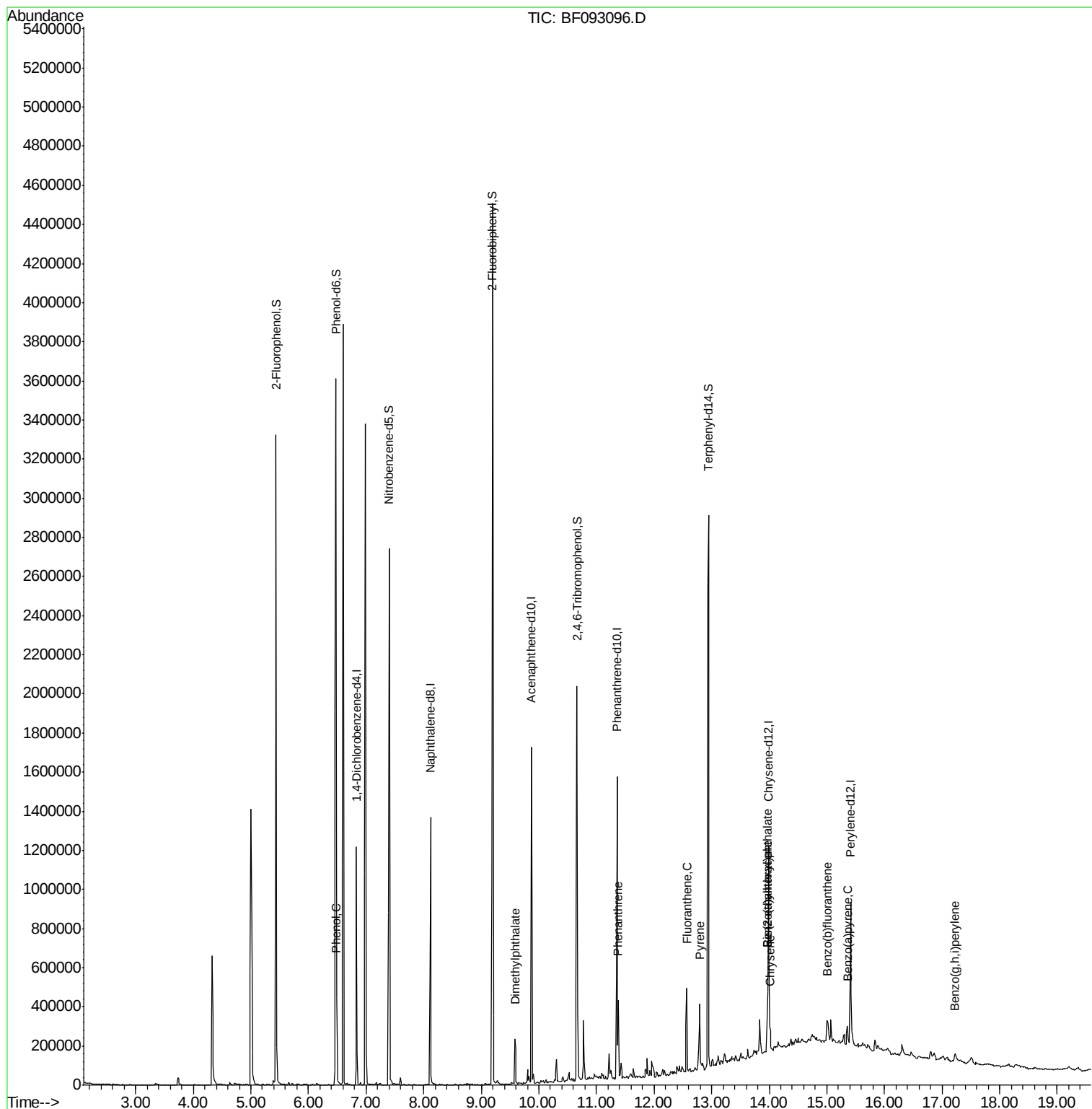
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022217\
Data File : BF093096.D
Acq On : 23 Feb 2017 00:50
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Sample : I1948-05
Misc :
ALS Vial : 24 Sample Multiplier: 1

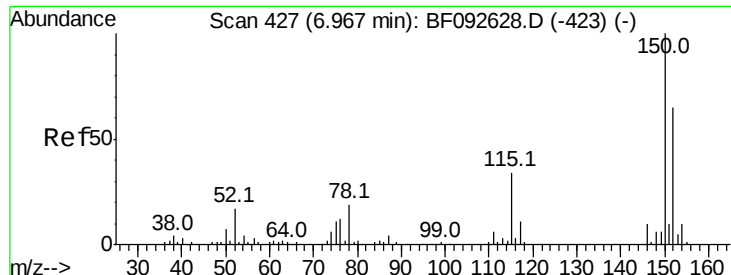
Instrument :
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ClientSampleId :
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#1

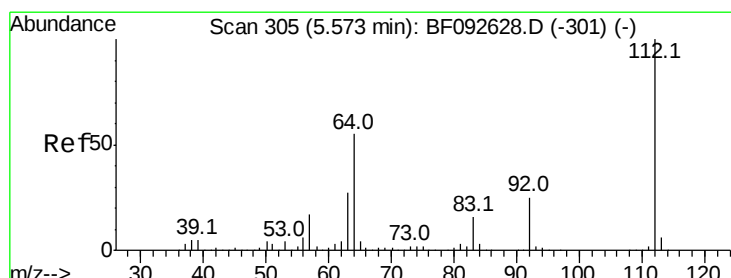
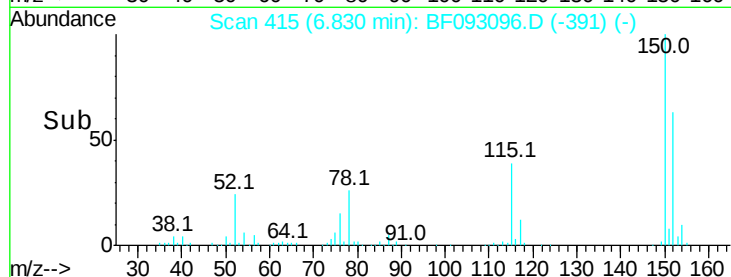
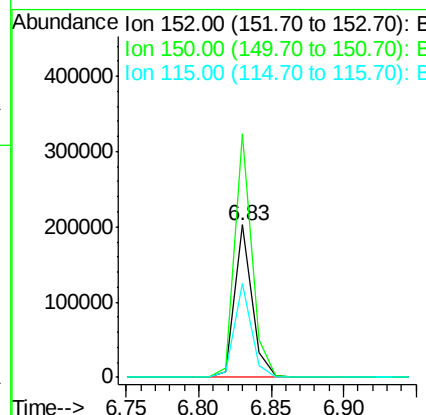
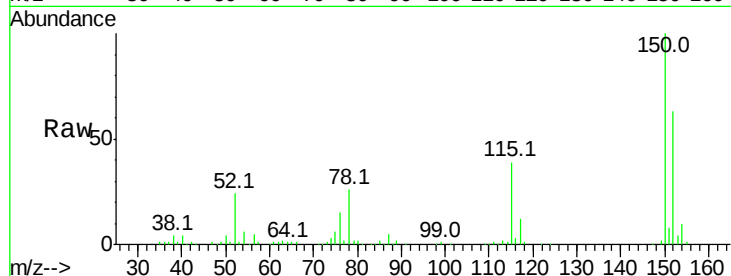
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.83 min Scan# 415
 Delta R.T. -0.02 min
 Lab File: BF093096.D
 Acq: 23 Feb 2017 00:50

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	124.9	187.3
115	61.7	46.0	69.0

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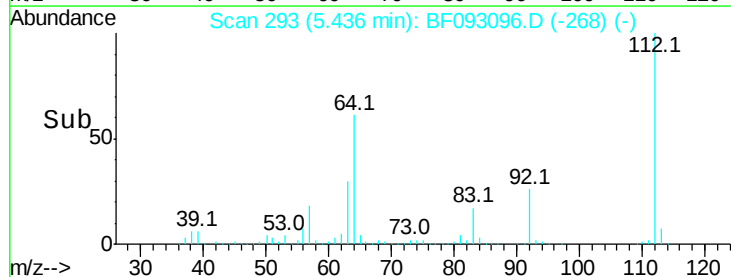
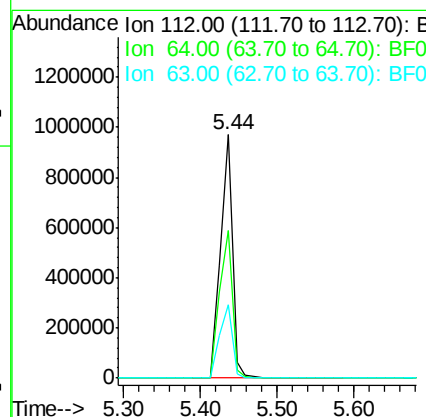
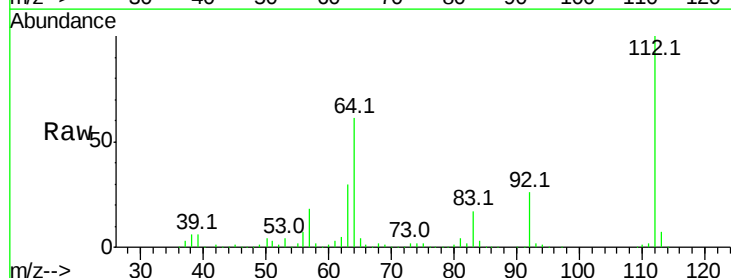
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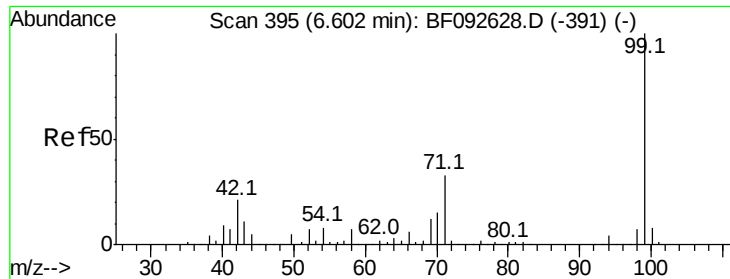


#5

2-Fluorophenol
 Concen: 106.06 ng
 RT: 5.44 min Scan# 293
 Delta R.T. -0.01 min
 Lab File: BF093096.D
 Acq: 23 Feb 2017 00:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	46.1	69.1
63	30.4	23.8	35.6





#7

Phenol-d6

Concen: 109.61 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093096.D

Acq: 23 Feb 2017 00:50

Instrument :

BNA_F

ClientSampleId :

TP23-24-COMP17

Tot Ion: 99 Resp: 1390348

Ion Ratio Lower Upper

99 100

42 19.6 15.6 23.4

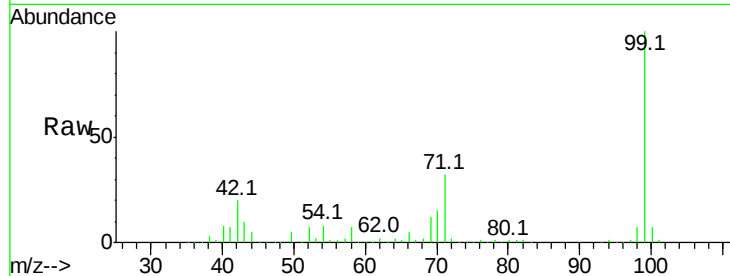
71 32.3 27.5 41.3

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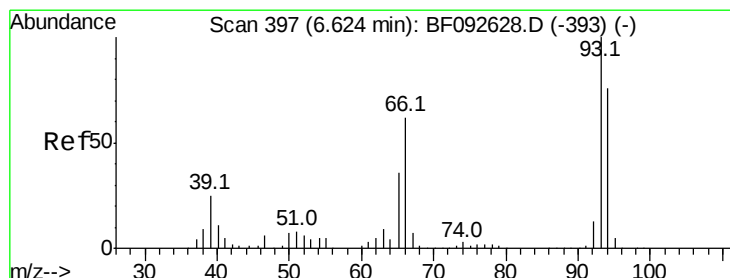
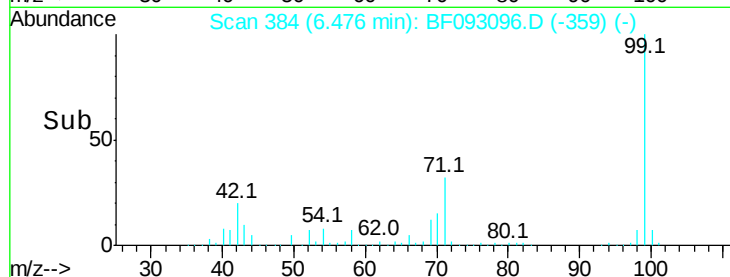
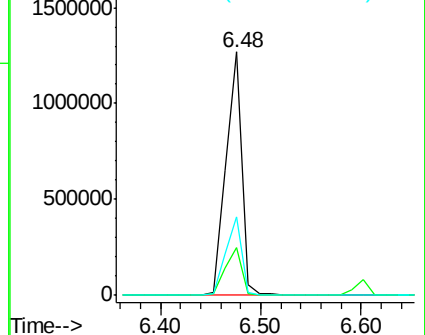
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 5.88 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093096.D

Acq: 23 Feb 2017 00:50

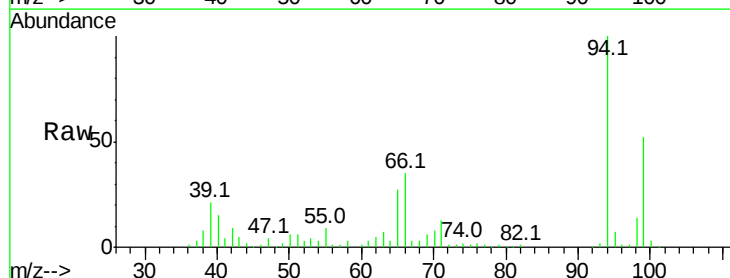
Tgt Ion: 94 Resp: 87219

Ion Ratio Lower Upper

94 100

65 27.0 21.4 61.4

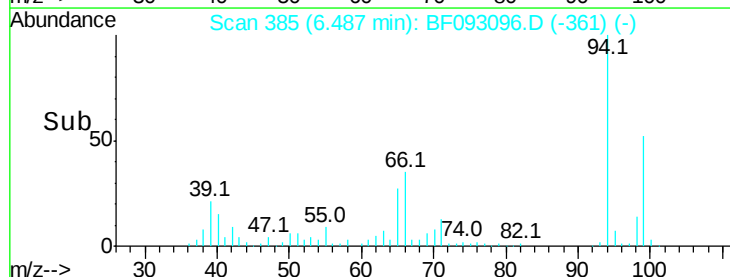
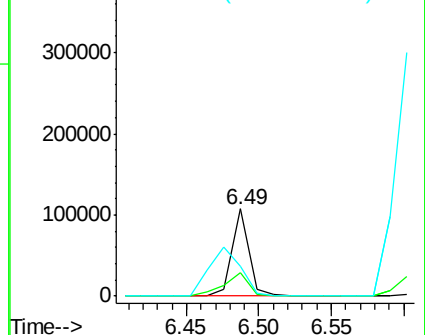
66 35.1 44.0 84.0#

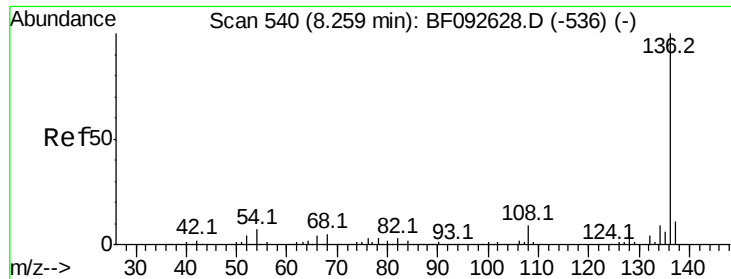


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





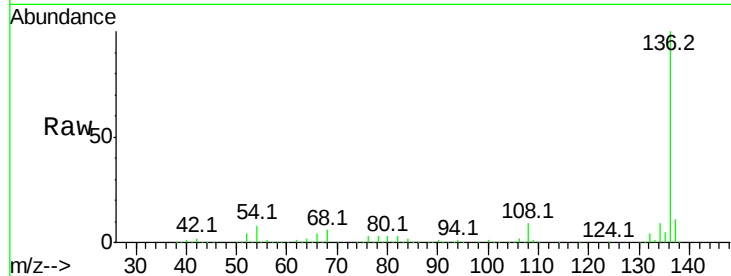
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093096.D
Acq: 23 Feb 2017 00:50

Instrument :
BNA_F
ClientSampleId :
TP23-24-COMP17

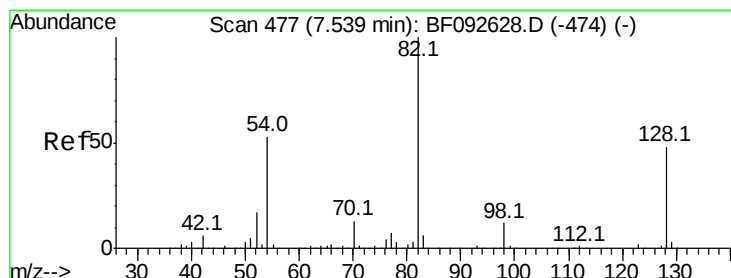
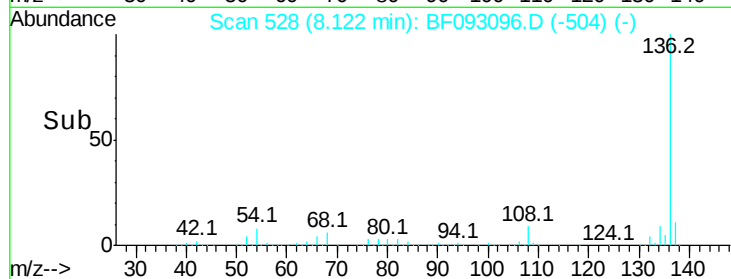
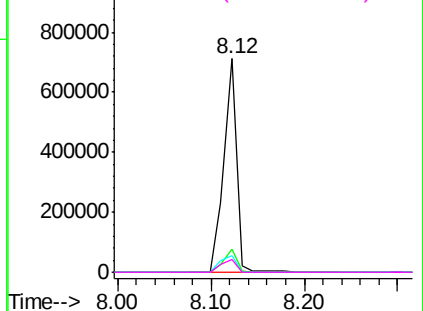
Tot Ion	Ratio	Resp	Lower	Upper
136	100	676571		
137	10.7		8.4	12.6
54	7.7		4.5	6.7#
68	5.8		3.6	5.4#

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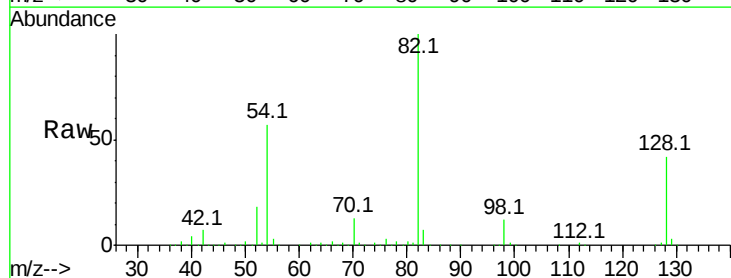


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

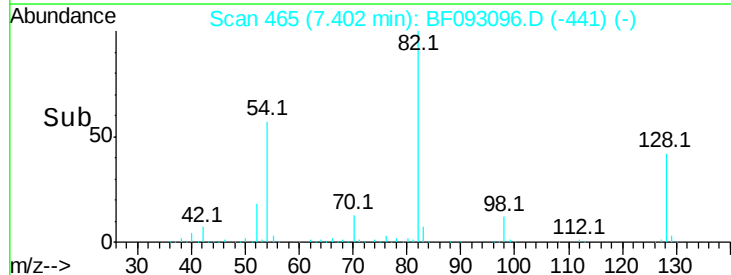
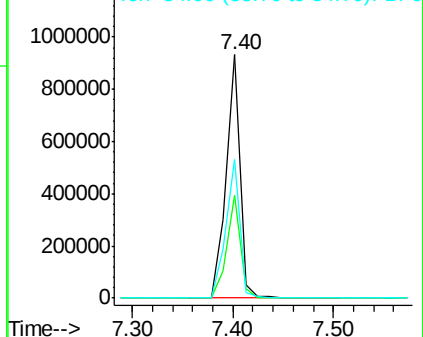


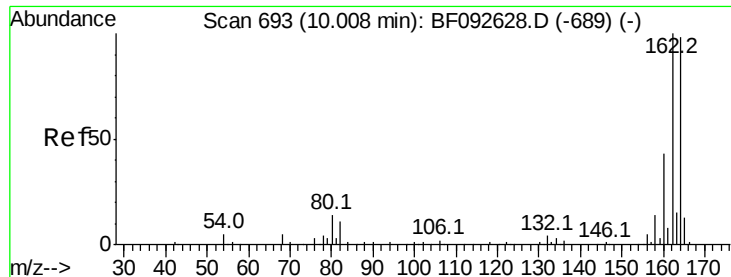
#23
Nitrobenzene-d5
Concen: 73.90 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093096.D
Acq: 23 Feb 2017 00:50

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	897883		
128	42.2		34.6	52.0
54	57.0		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





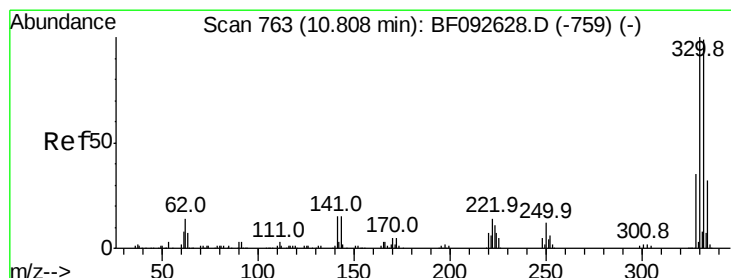
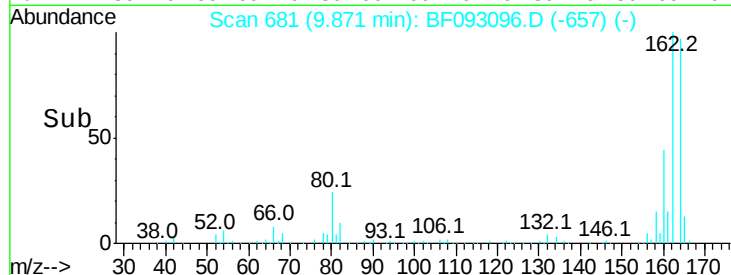
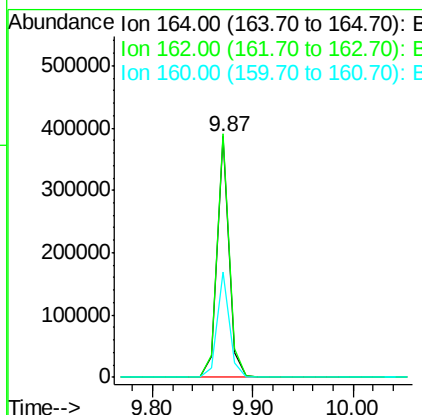
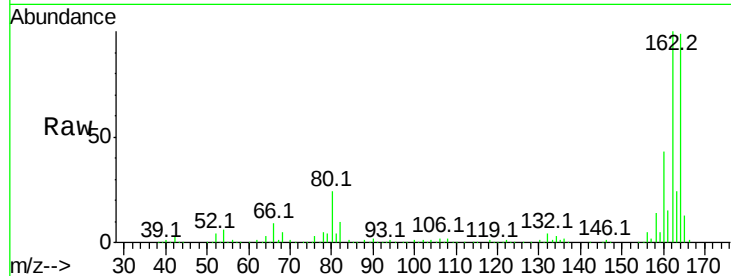
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.02 min
Lab File: BF093096.D
Acq: 23 Feb 2017 00:50

Instrument :
BNA_F
ClientSampleId :
TP23-24-COMP17

Tot Ion	Ratio	Resp	Lower	Upper
164	100	318831		
162	101.1	80.2	120.2	
160	43.9	36.9	55.3	

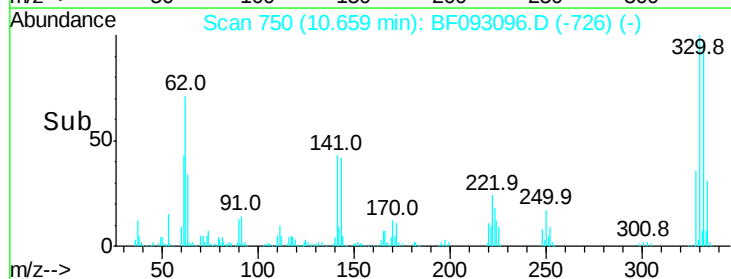
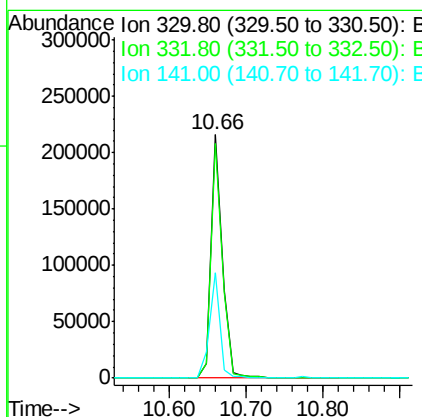
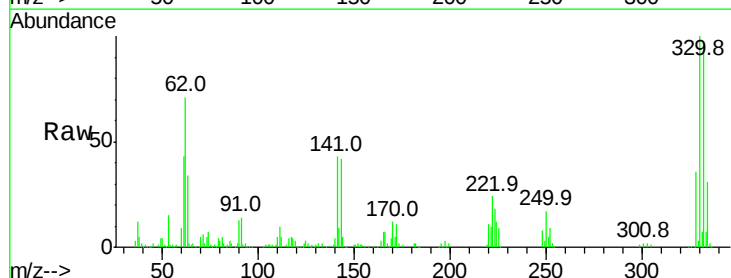
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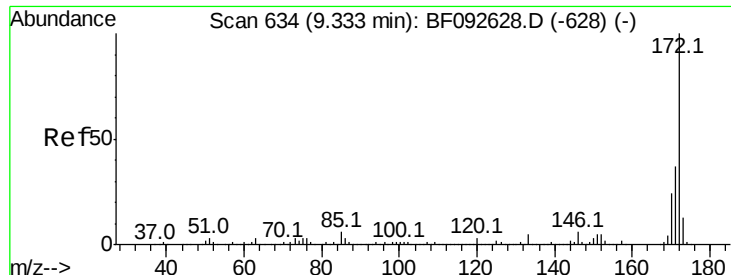
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#41
2,4,6-Tribromophenol
Concen: 94.87 ng
RT: 10.66 min Scan# 750
Delta R.T. -0.02 min
Lab File: BF093096.D
Acq: 23 Feb 2017 00:50

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	218780		
332	96.7	77.4	116.2	
141	40.3	34.1	51.1	





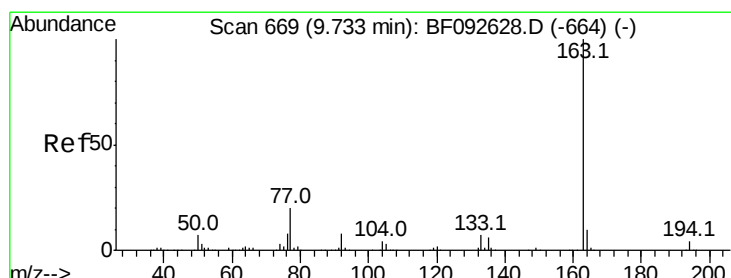
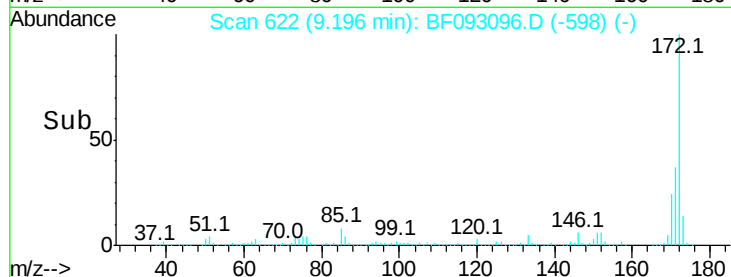
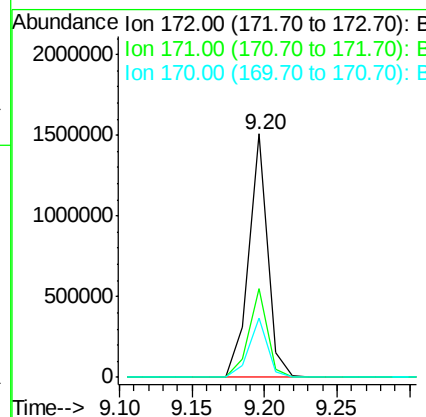
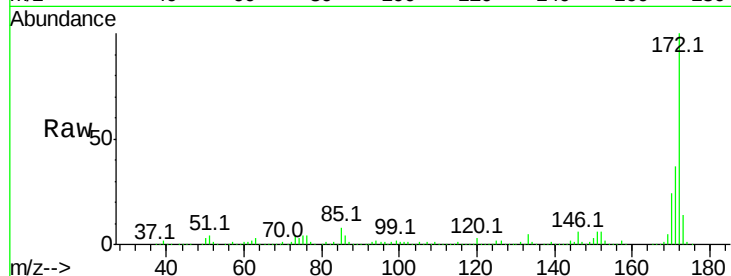
#44
2-Fluorobiphenyl
Concen: 77.79 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.02 min
Lab File: BF093096.D
Acq: 23 Feb 2017 00:50

Instrument :
BNA_F
ClientSampleId :
TP23-24-COMP17

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	24.4	20.2	30.4

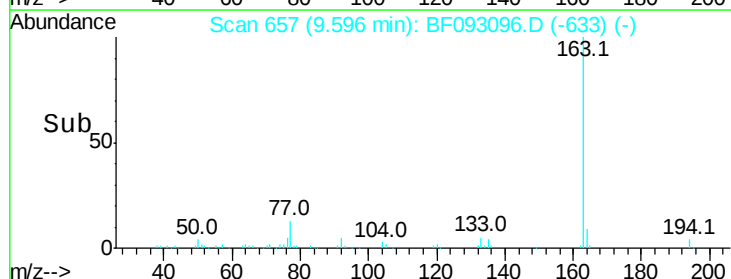
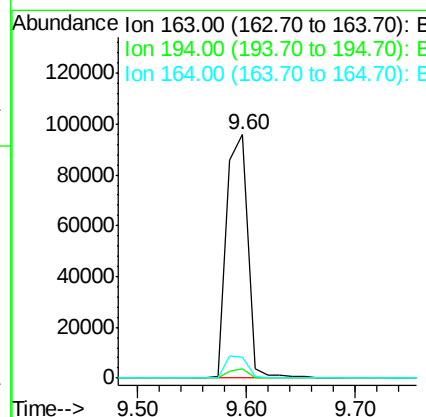
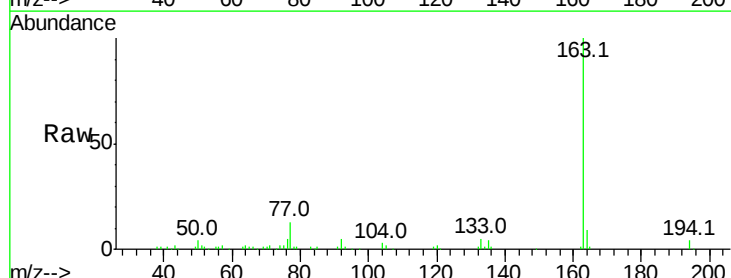
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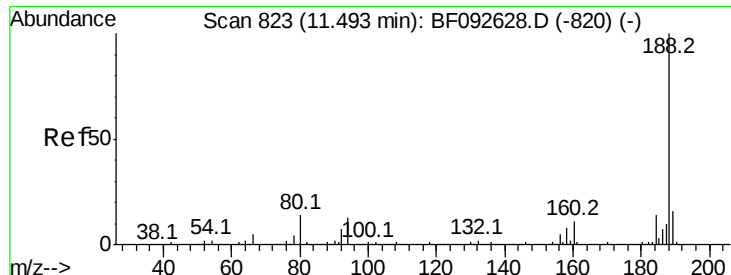
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#49
Dimethylphthalate
Concen: 6.05 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF093096.D
Acq: 23 Feb 2017 00:50

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.4
164	8.6	8.0	12.0





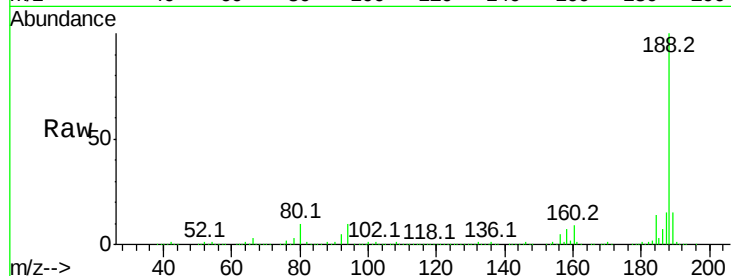
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF093096.D
Acq: 23 Feb 2017 00:50

Instrument :
BNA_F
ClientSampleId :
TP23-24-COMP17

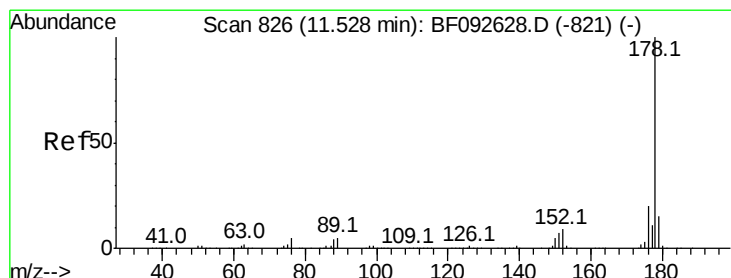
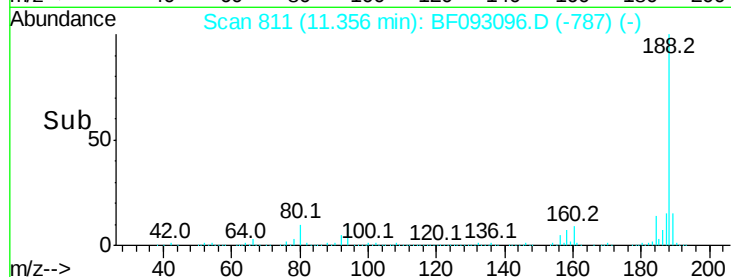
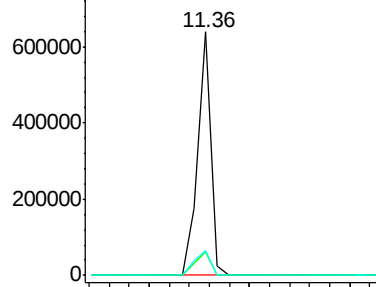
Tot Ion	Ratio	Resp	Lower	Upper
188	100	582560		
94	9.5	10.0	15.0#	
80	10.1	11.2	16.8#	

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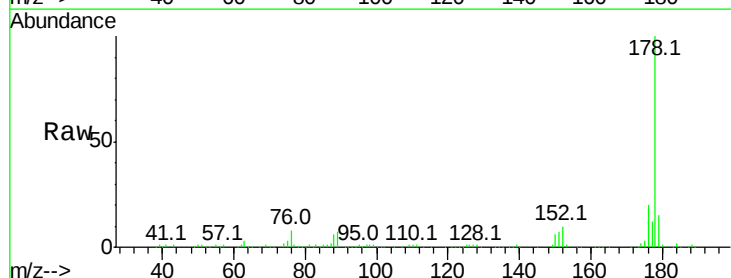


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

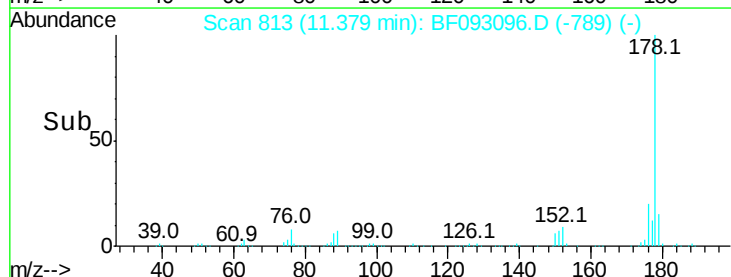
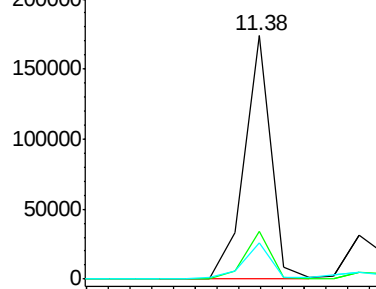


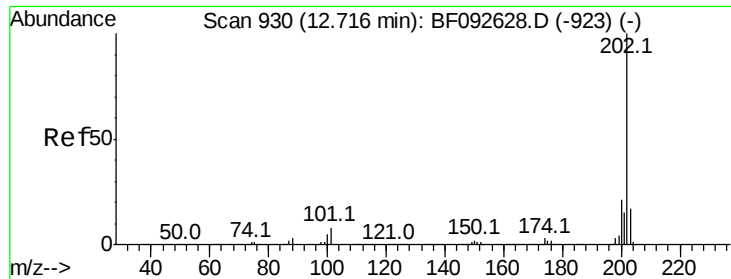
#70
Phenanthrene
Concen: 4.48 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.02 min
Lab File: BF093096.D
Acq: 23 Feb 2017 00:50

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	149536		
176	19.6	16.6	25.0	
179	15.0	12.8	19.2	



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





#74

Fluoranthene

Concen: 5.92 ng

RT: 12.57 min Scan# 917

Delta R.T. -0.02 min

Lab File: BF093096.D

Acq: 23 Feb 2017 00:50

Instrument :

BNA_F

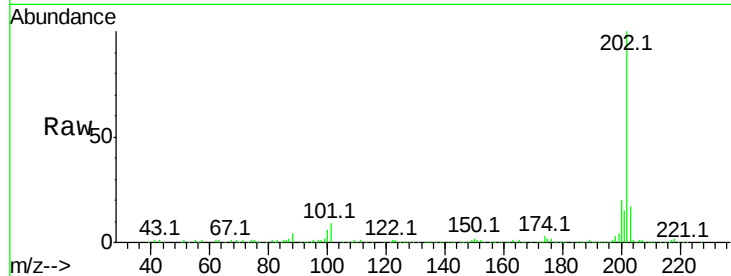
ClientSampleId :

TP23-24-COMP17

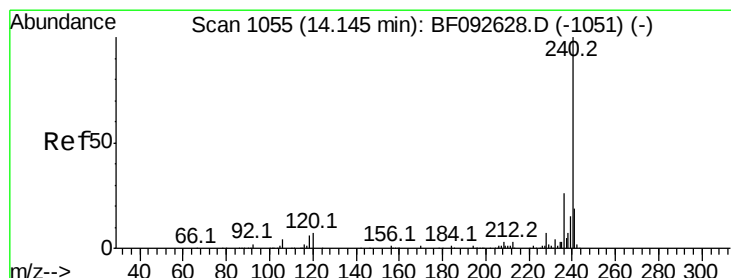
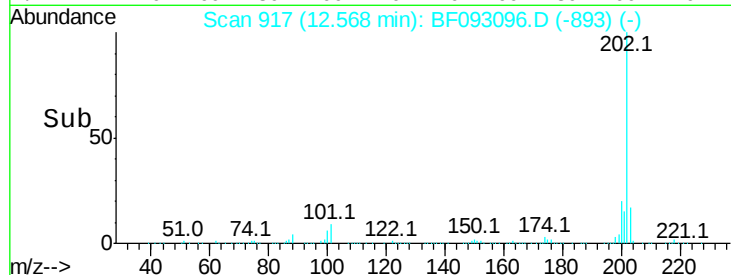
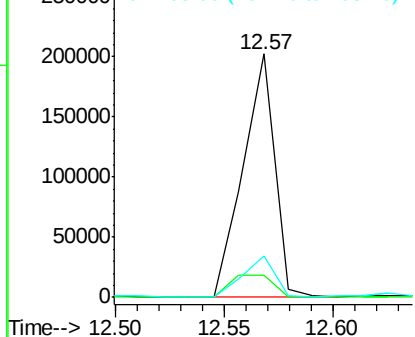
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.0	0.0	34.6
203	16.9	0.0	38.7

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

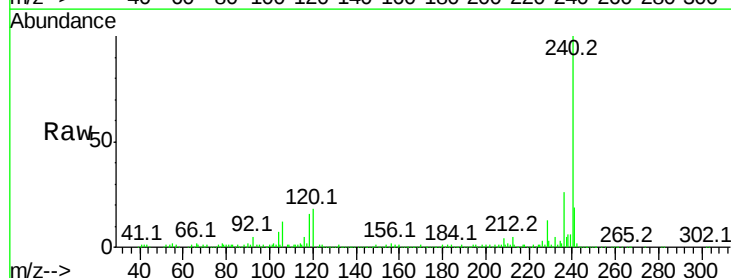
RT: 13.99 min Scan# 1041

Delta R.T. -0.03 min

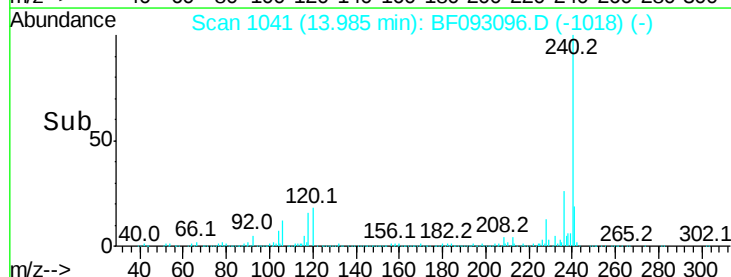
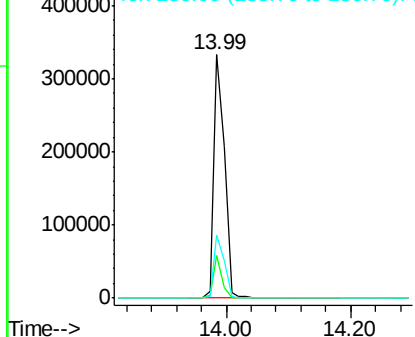
Lab File: BF093096.D

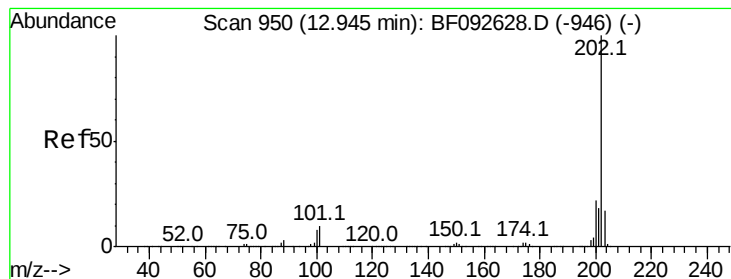
Acq: 23 Feb 2017 00:50

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	17.7	12.9	19.3
236	25.7	20.9	31.3



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.11 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.02 min

Lab File: BF093096.D

Acq: 23 Feb 2017 00:50

Instrument :

BNA_F

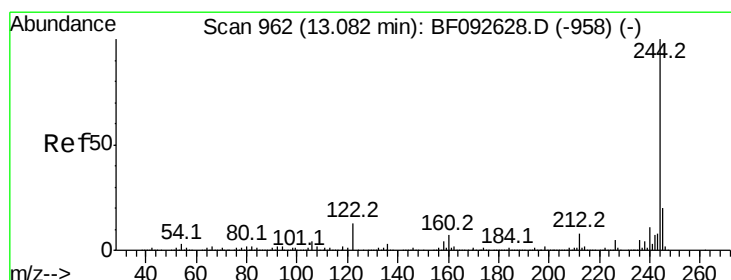
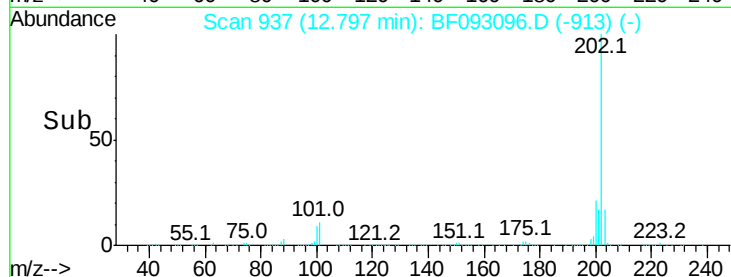
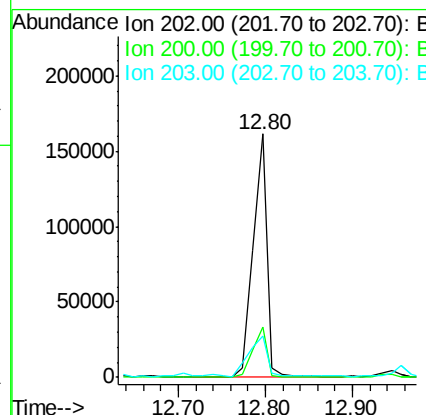
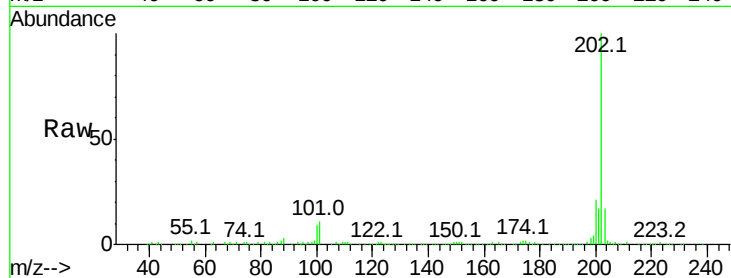
ClientSampleId :

TP23-24-COMP17

Tot Ion:	202	Resp:	178956
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.7	26.5
203	17.0	14.7	22.1

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#78

Terphenyl-d14

Concen: 77.14 ng

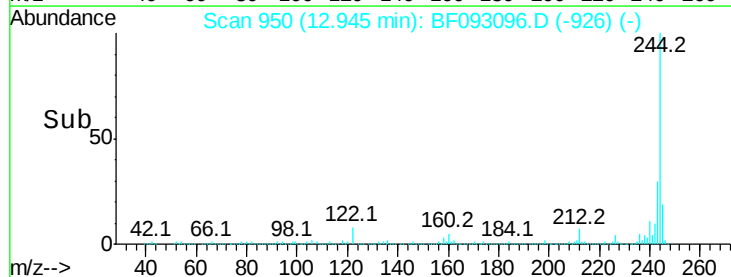
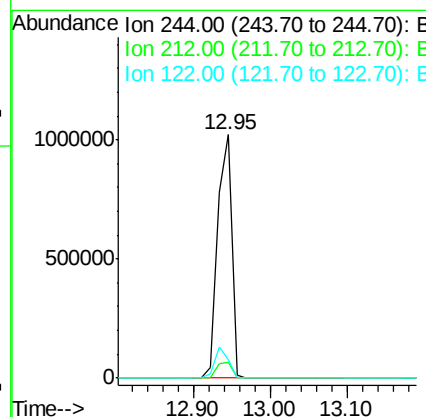
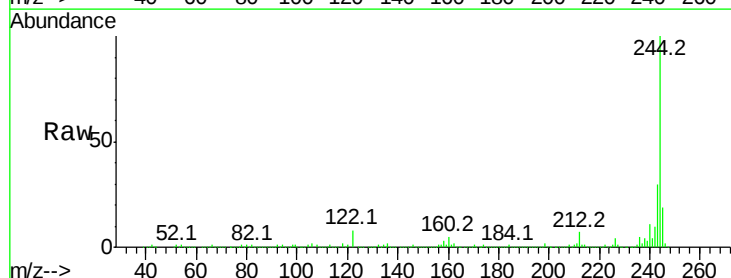
RT: 12.95 min Scan# 950

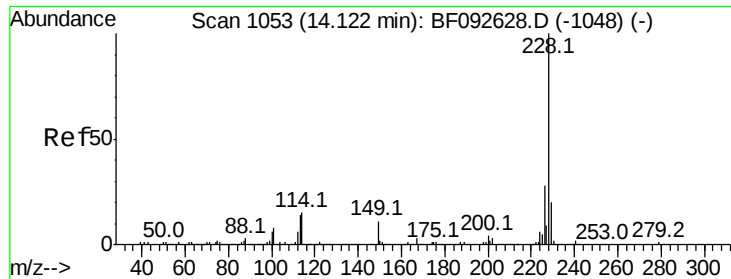
Delta R.T. -0.02 min

Lab File: BF093096.D

Acq: 23 Feb 2017 00:50

Tgt Ion:	244	Resp:	1284428
Ion Ratio	Lower	Upper	
244	100		
212	6.7	6.2	9.2
122	7.8	11.4	17.2#





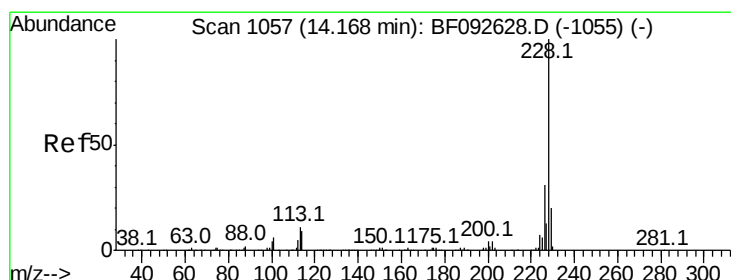
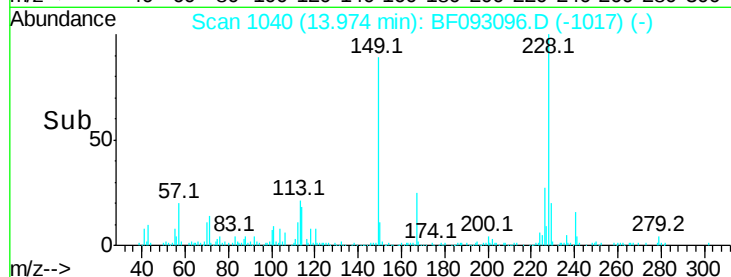
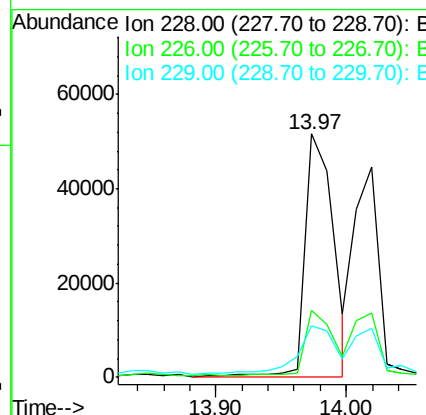
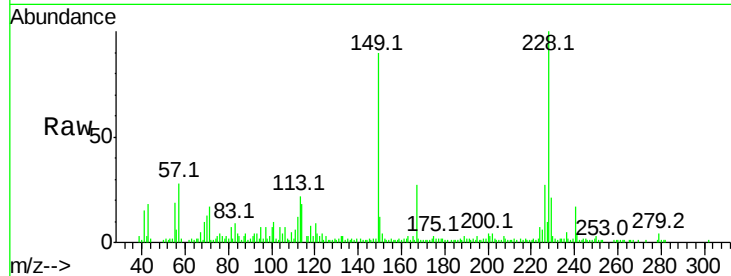
#80
Benzo(a)anthracene
Concen: 3.27 ng
RT: 13.97 min Scan# 1040
Delta R.T. -0.03 min
Lab File: BF093096.D
Acq: 23 Feb 2017 00:50

Instrument :
BNA_F
ClientSampleId :
TP23-24-COMP17

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.4	33.6
229	21.2	16.2	24.4

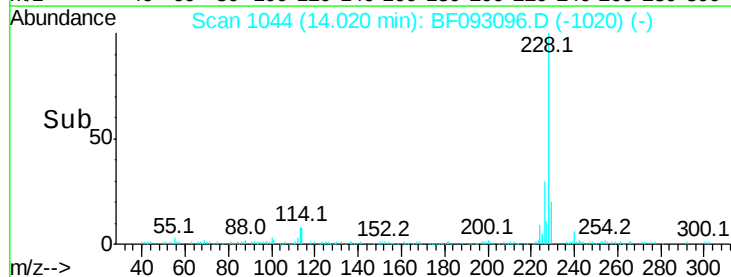
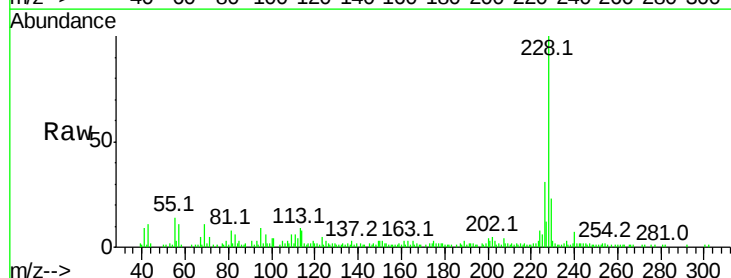
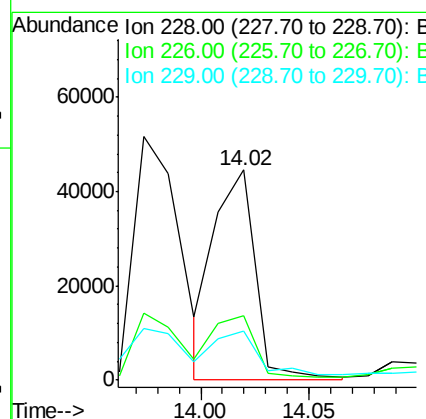
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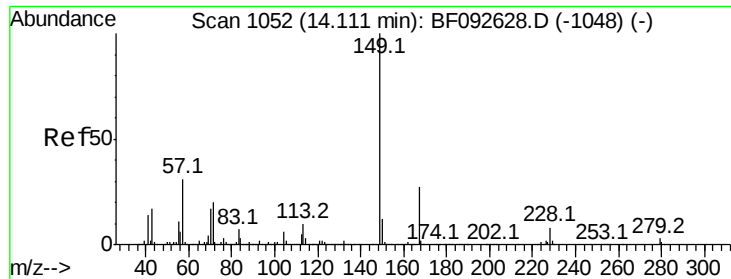
mohammad
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#82
Chrysene
Concen: 2.64 ng m
RT: 14.02 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BF093096.D
Acq: 23 Feb 2017 00:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.4	38.0
229	23.3	16.2	24.2





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.57 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.02 min

Lab File: BF093096.D

Acq: 23 Feb 2017 00:50

Instrument :

BNA_F

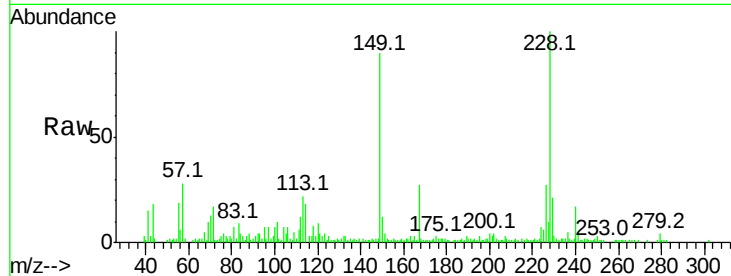
ClientSampleId :

TP23-24-COMP17

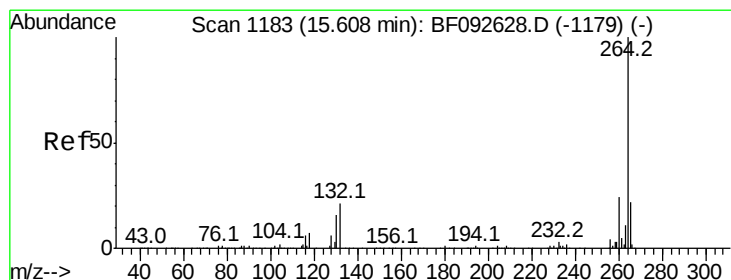
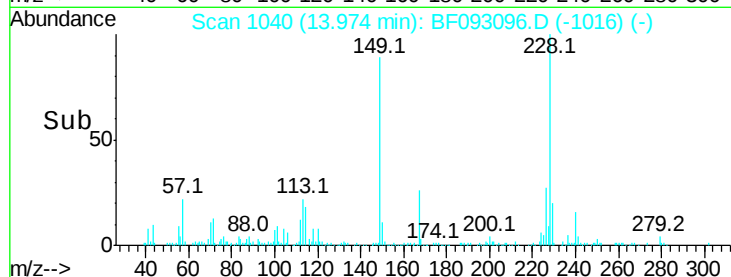
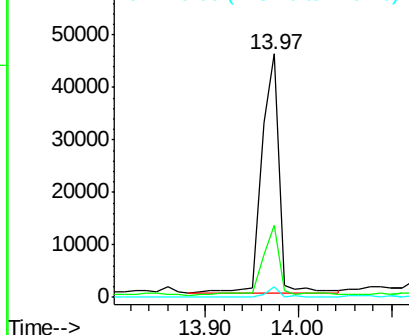
Tot Ion:	149	Resp:	58094
Ion Ratio	Lower	Upper	
149	100		
167	29.5	20.2	30.4
279	4.4	1.8	2.8#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.00 ng

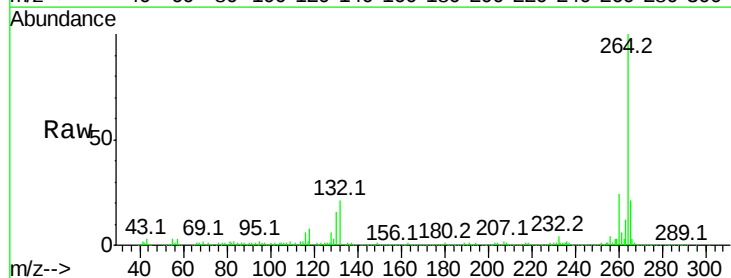
RT: 15.41 min Scan# 1166

Delta R.T. -0.03 min

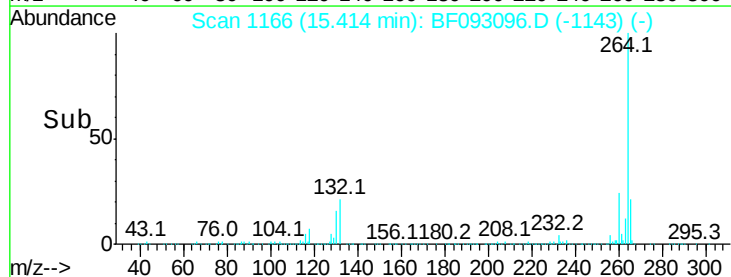
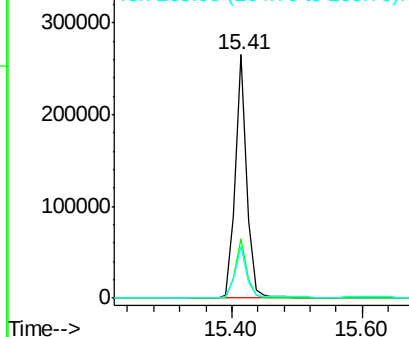
Lab File: BF093096.D

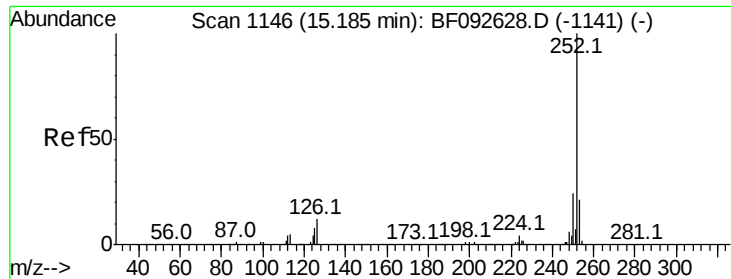
Acq: 23 Feb 2017 00:50

Tgt Ion:	264	Resp:	319213
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	21.3	17.4	26.0



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: 3.33 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.03 min

Lab File: BF093096.D

Acq: 23 Feb 2017 00:50

Instrument :

BNA_F

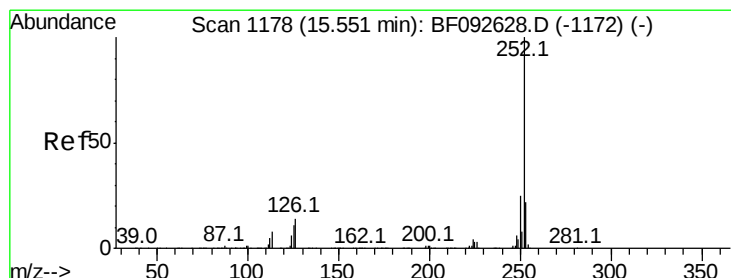
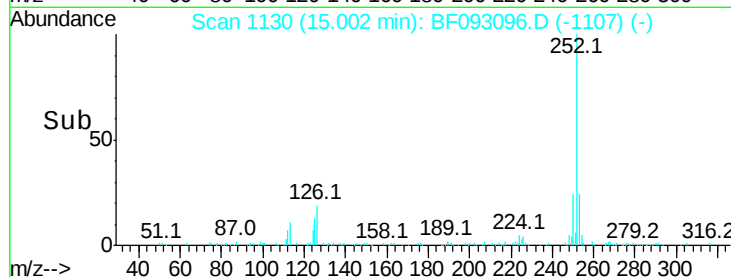
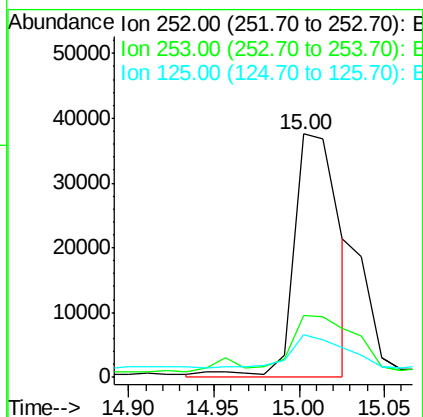
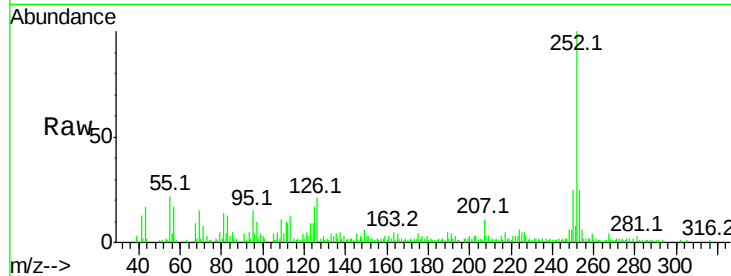
ClientSampleId :

TP23-24-COMP17

Tot Ion:	252	Resp:	70016
Ion Ratio	Lower	Upper	
252	100		
253	25.3	18.2	27.4
125	17.3	9.8	14.6

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#89

Benzo(a)pyrene

Concen: 2.47 ng

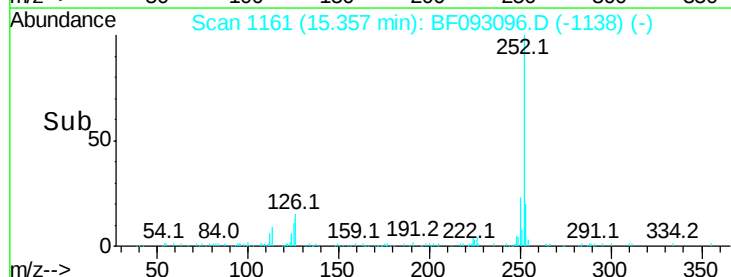
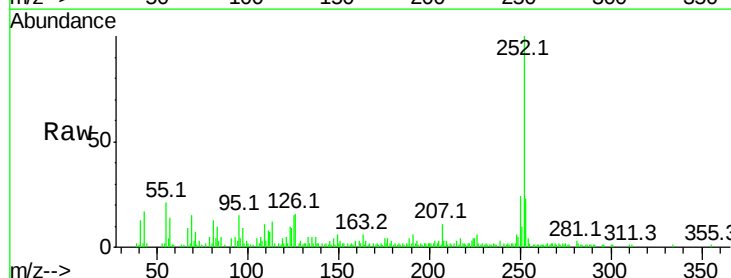
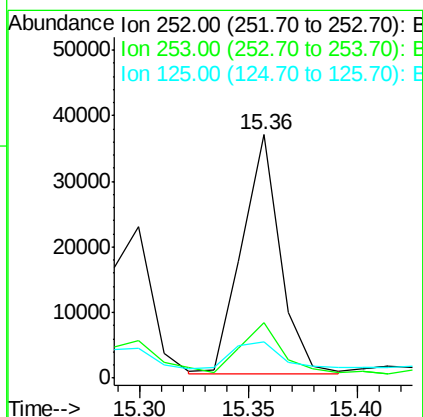
RT: 15.36 min Scan# 1161

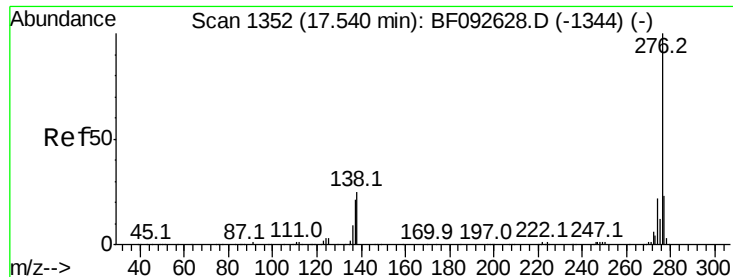
Delta R.T. -0.03 min

Lab File: BF093096.D

Acq: 23 Feb 2017 00:50

Tgt Ion:	252	Resp:	44903
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.2	27.2
125	14.7	10.0	15.0





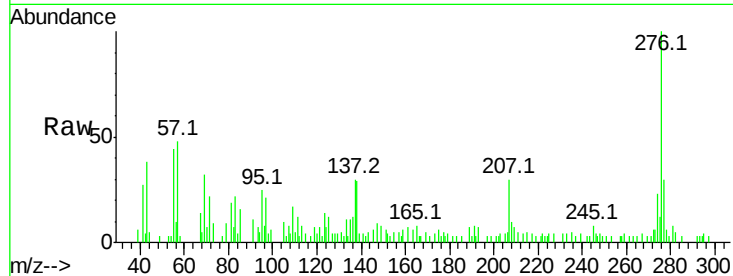
#91
 Benzo(a,h,i)perylene
 Concen: 2.06 ng
 RT: 17.22 min Scan# 1324
 Delta R.T. -0.07 min
 Lab File: BF093096.D
 Acq: 23 Feb 2017 00:50

Instrument :
 BNA_F
 ClientSampleId :
 TP23-24-COMP17

Tot Ion:	276	Resp:	30551
Ion Ratio	Lower	Upper	
276	100		
277	29.8	19.2	28.8#
138	28.7	16.0	24.0#

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

