

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031617\
 Data File : BF093720.D
 Acq On : 16 Mar 2017 21:41
 Operator : SJ/MA
 Sample : I2244-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP

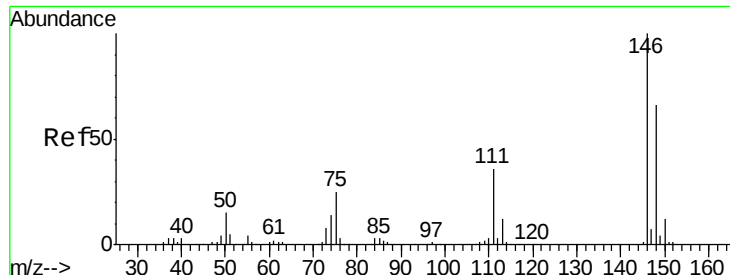
Manual Integrations
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mohammad
 3/17/2017 4:29:27 PM

Quant Time: Mar 17 03:49:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	161761	20.00	ng	-0.02
21) Naphthalene-d8	7.99	136	634228	20.00	ng	-0.02
38) Acenaphthene-d10	9.74	164	290967	20.00	ng	-0.02
63) Phenanthrene-d10	11.22	188	477104	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	312803	20.00	ng	-0.02
86) Perylene-d12	15.26	264	315252	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1334766	137.33	ng	-0.02
7) Phenol-d6	6.36	99	1450969	118.39	ng	-0.02
23) Nitrobenzene-d5	7.27	82	870943	76.19	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	248136	130.89	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	1269256	81.14	ng	-0.02
78) Terphenyl-d14	12.80	244	905829	75.29	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.38	94	104582	6.96	ng	77
49) Dimethylphthalate	9.46	163	154730	8.02	ng	# 99
70) Phenanthrene	11.25	178	270235	9.92	ng	97
71) Anthracene	11.30	178	60488	2.20	ng	98
74) Fluoranthene	12.44	202	494780	18.81	ng	93
77) Pyrene	12.66	202	459351	20.19	ng	98
80) Benzo(a)anthracene	13.85	228	201471m	10.91	ng	
82) Chrysene	13.89	228	177932m	10.41	ng	
83) Bis(2-ethylhexyl)phthalate	13.83	149	53917	4.04	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.61	276	121584	8.50	ng	99
87) Benzo(b)fluoranthene	14.87	252	219078m	11.41	ng	
88) Benzo(k)fluoranthene	14.88	252	95452m	5.16	ng	
89) Benzo(a)pyrene	15.20	252	180416	10.28	ng	# 97
90) Dibenzo(a,h)anthracene	16.60	278	30542m	2.10	ng	
91) Benzo(a,h,i)perylene	17.01	276	123209	8.27	ng	# 90

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



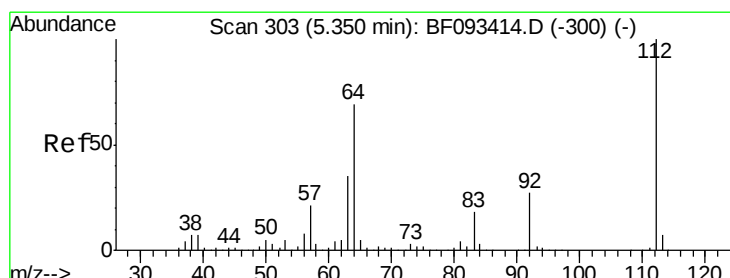
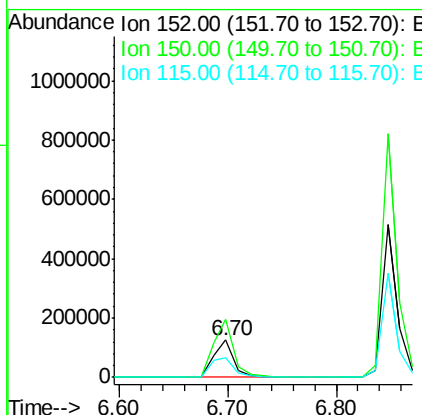
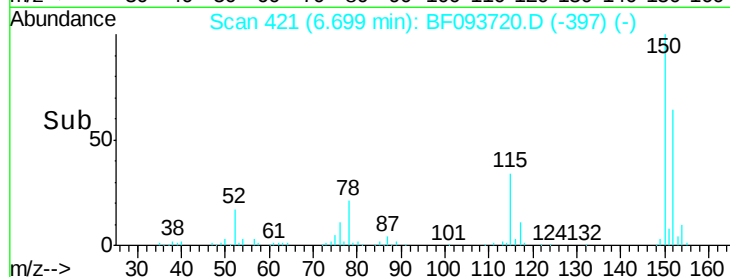
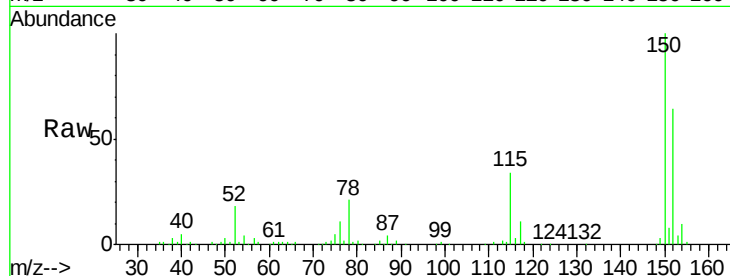
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.70 min Scan# 421
 Delta R.T. -0.02 min
 Lab File: BF093720.D
 Acq: 16 Mar 2017 21:41

Instrument :
 BNA_F
 ClientSampled :
 TEC-COMP

Tot Ion:	152	Resp:	161761
Ion Ratio	Lower	Upper	
152	100		
150	156.8	124.9	187.3
115	52.6	46.0	69.0

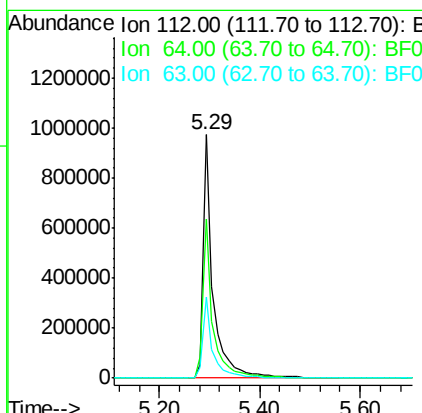
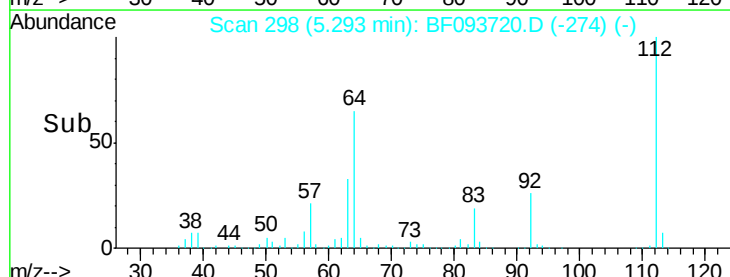
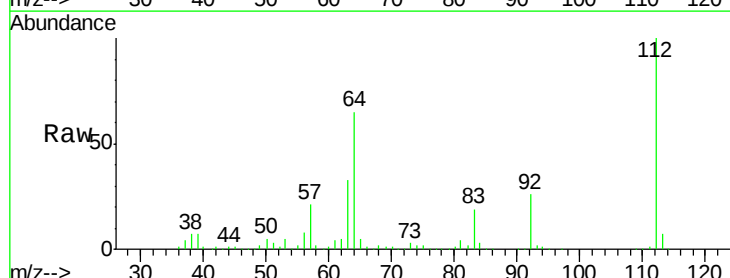
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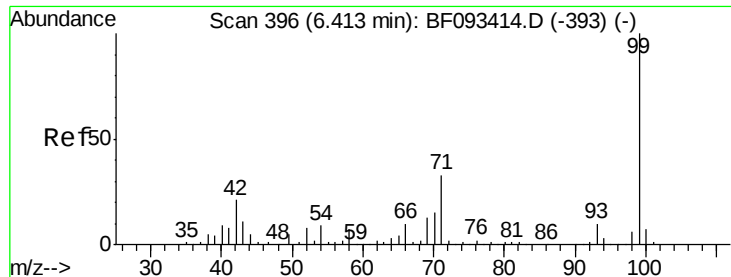
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#5
 2-Fluorophenol
 Concen: 137.33 ng
 RT: 5.29 min Scan# 298
 Delta R.T. -0.02 min
 Lab File: BF093720.D
 Acq: 16 Mar 2017 21:41

Tgt Ion:	112	Resp:	1334766
Ion Ratio	Lower	Upper	
112	100		
64	65.3	46.1	69.1
63	33.2	23.8	35.6





#7

Phenol-d6

Concen: 118.39 ng

RT: 6.36 min Scan# 391

Delta R.T. -0.02 min

Lab File: BF093720.D

Acq: 16 Mar 2017 21:41

Instrument :

BNA_F

ClientSampleId :

TEC-COMP

Tot Ion: 99 Resp: 1450969

Ion Ratio Lower Upper

99 100

42 21.1 15.6 23.4

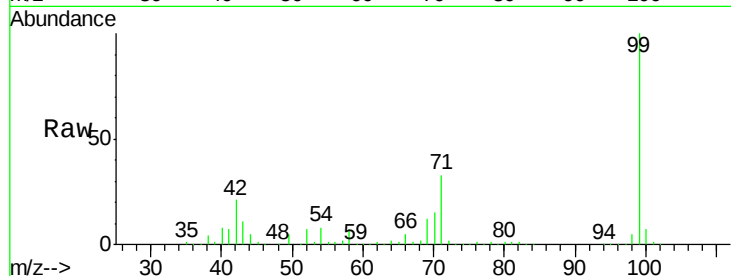
71 33.4 27.5 41.3

Manual Integrations

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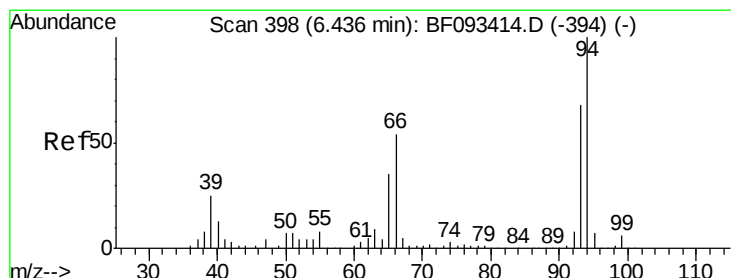
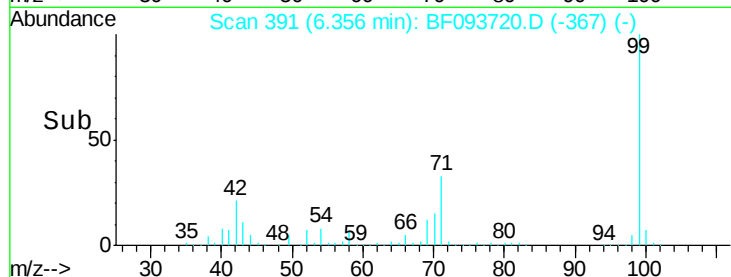
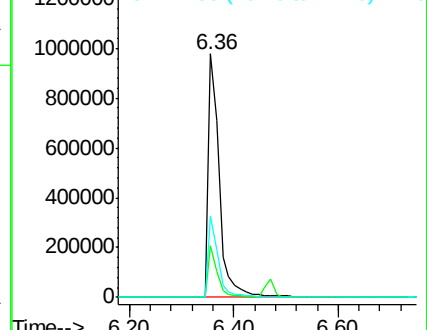
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 6.96 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.02 min

Lab File: BF093720.D

Acq: 16 Mar 2017 21:41

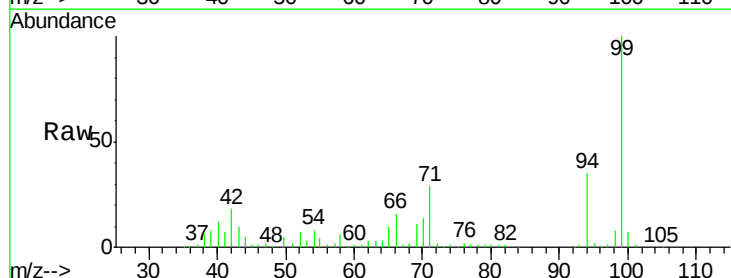
Tgt Ion: 94 Resp: 104582

Ion Ratio Lower Upper

94 100

65 27.3 21.4 61.4

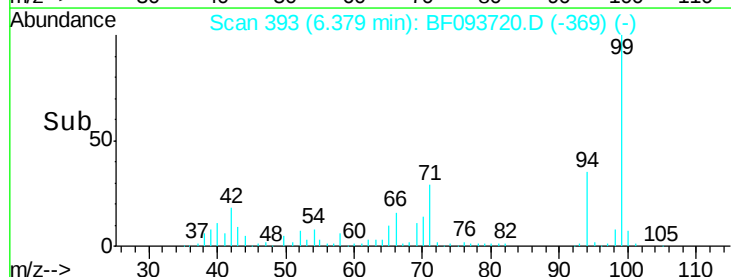
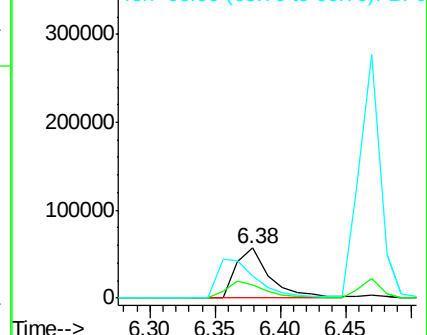
66 45.8 44.0 84.0

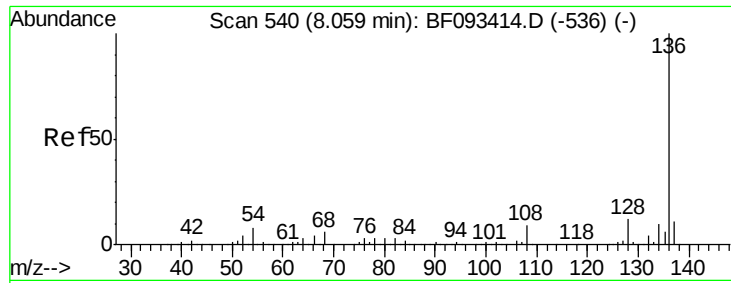


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





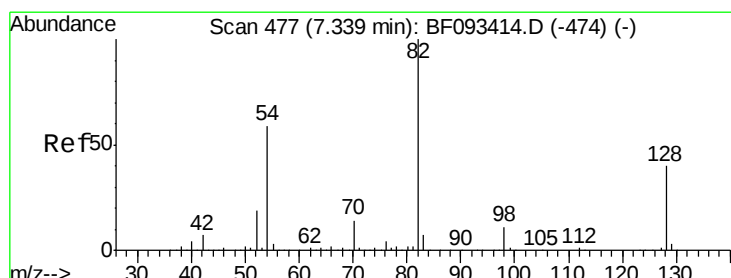
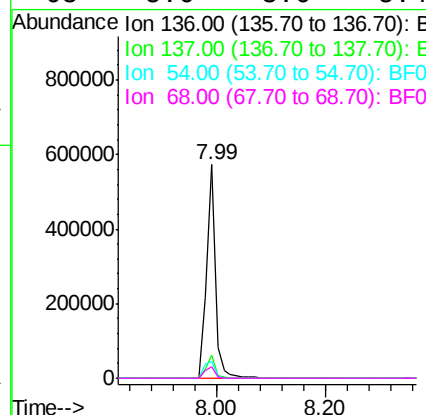
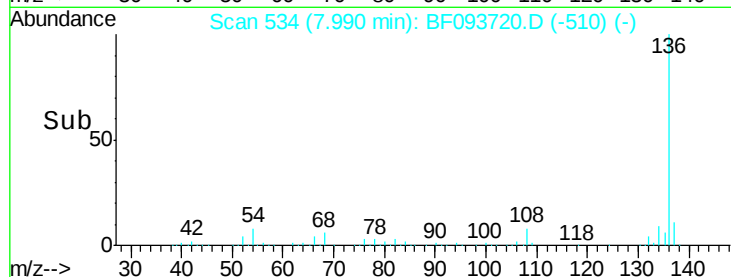
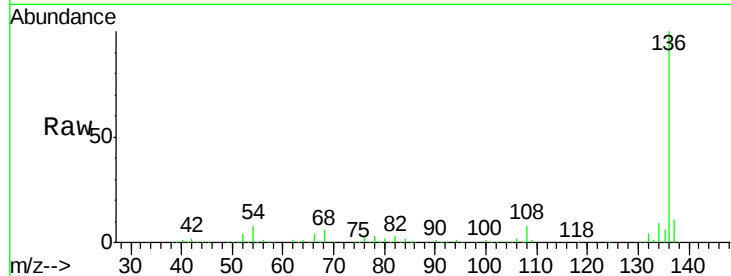
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.99 min Scan# 534
Delta R.T. -0.02 min
Lab File: BF093720.D
Acq: 16 Mar 2017 21:41

Instrument :
BNA_F
ClientSampleId :
TEC-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100	634228		
137	11.0		8.4	12.6
54	7.7		4.5	6.7#
68	5.6		3.6	5.4#

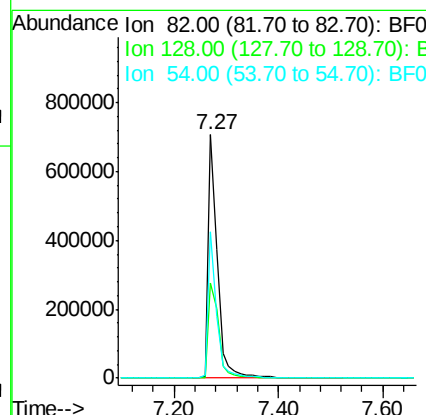
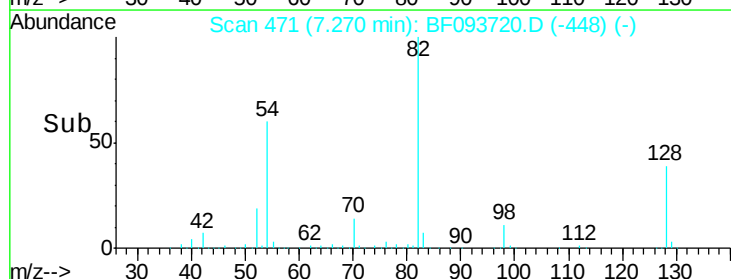
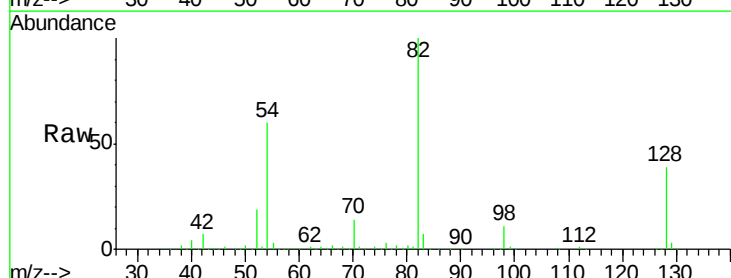
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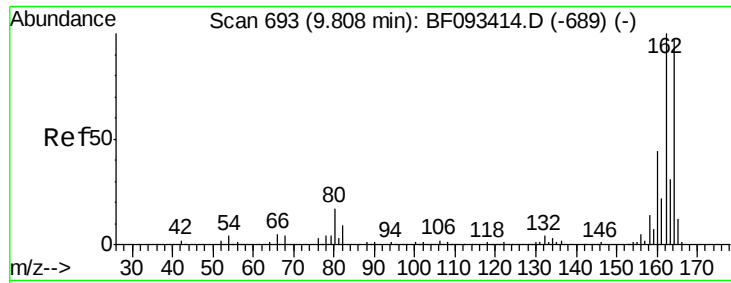
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#23
Nitrobenzene-d5
Concen: 76.19 ng
RT: 7.27 min Scan# 471
Delta R.T. -0.03 min
Lab File: BF093720.D
Acq: 16 Mar 2017 21:41

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	870943		
128	39.2		34.6	52.0
54	59.8		39.5	59.3#





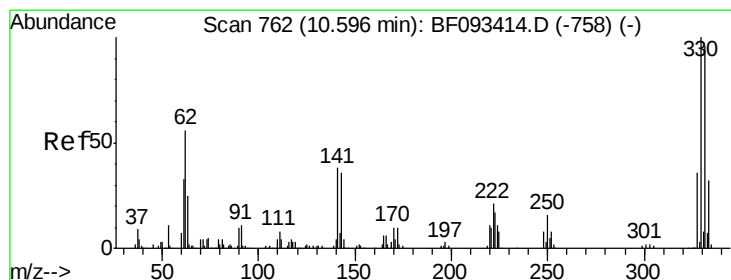
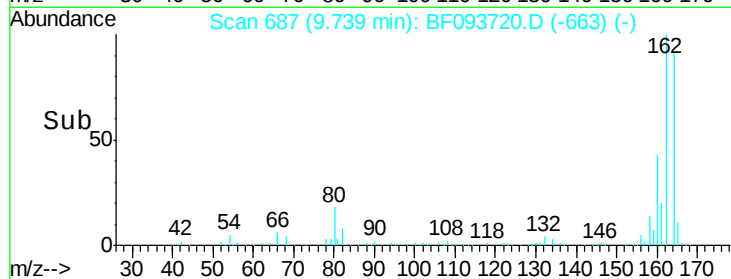
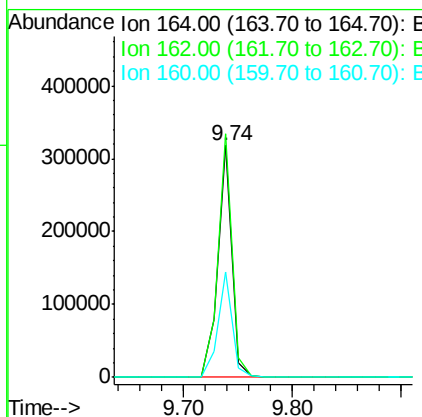
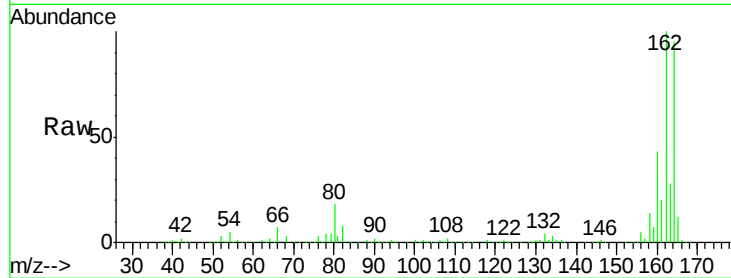
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF093720.D
Acq: 16 Mar 2017 21:41

Instrument :
BNA_F
ClientSampleId :
TEC-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	290967		
162	104.9	80.2	120.2	
160	45.4	36.9	55.3	

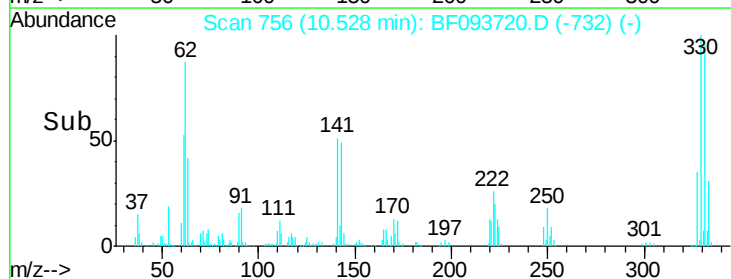
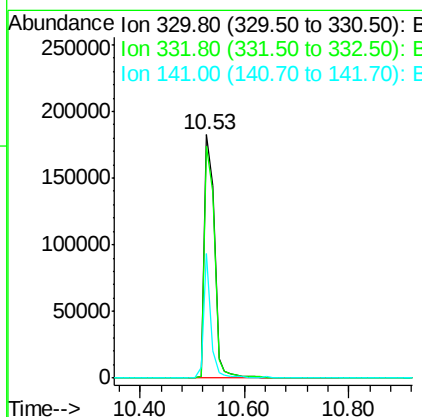
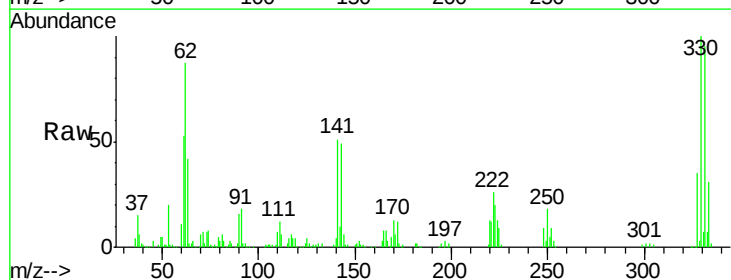
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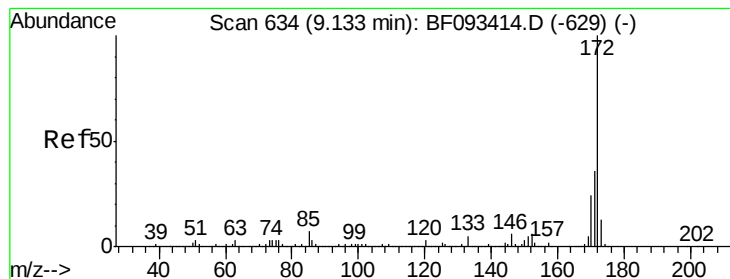
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#41
2,4,6-Tribromophenol
Concen: 130.89 ng
RT: 10.53 min Scan# 756
Delta R.T. -0.02 min
Lab File: BF093720.D
Acq: 16 Mar 2017 21:41

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	248136		
332	96.1	77.4	116.2	
141	36.4	34.1	51.1	





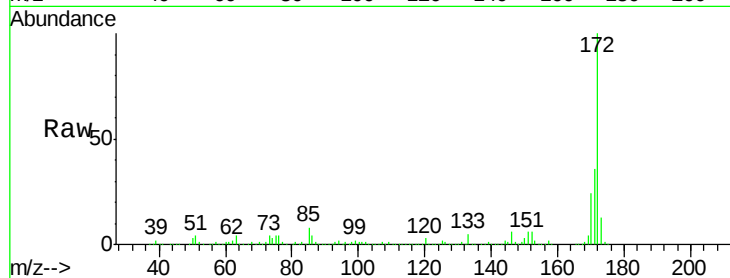
#44
2-Fluorobiphenyl
Concen: 81.14 ng
RT: 9.06 min Scan# 628
Delta R.T. -0.02 min
Lab File: BF093720.D
Acq: 16 Mar 2017 21:41

Instrument :
BNA_F
ClientSampleId :
TEC-COMP

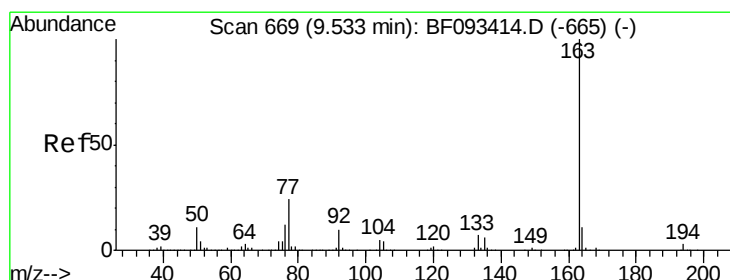
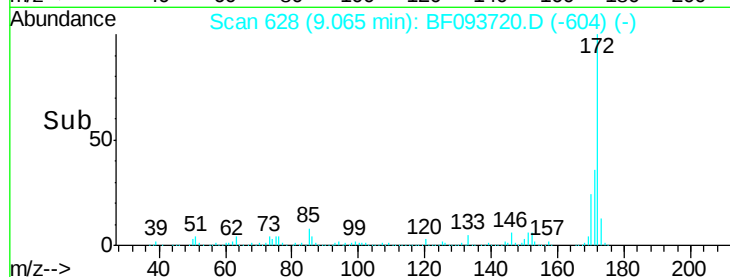
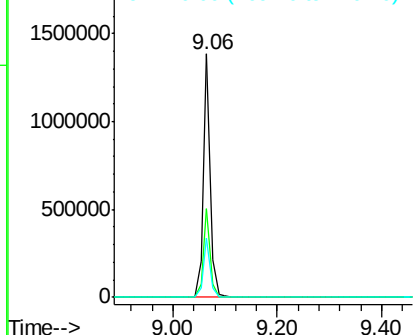
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.0
170	24.4	20.2	30.4

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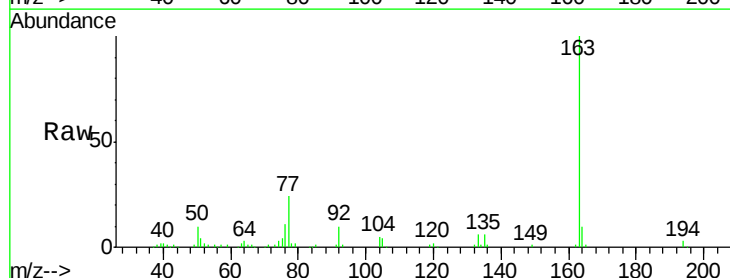


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

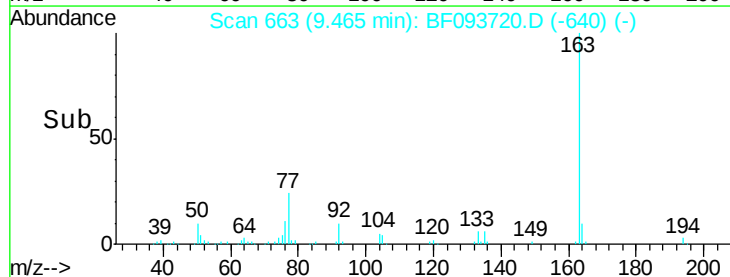
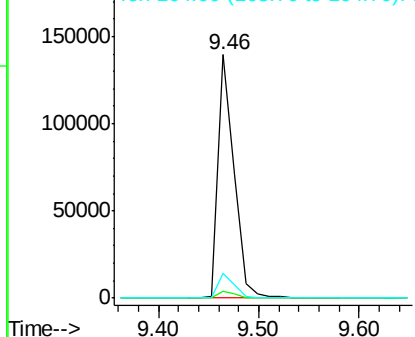


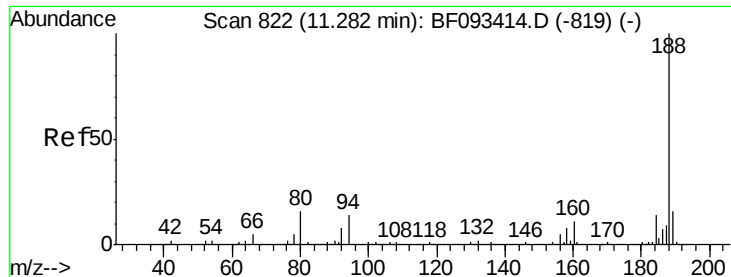
#49
Dimethylphthalate
Concen: 8.02 ng
RT: 9.46 min Scan# 663
Delta R.T. -0.03 min
Lab File: BF093720.D
Acq: 16 Mar 2017 21:41

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.9	3.0	4.4#
164	10.3	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: 11.22 min Scan# 817

Delta R.T. -0.02 min

Lab File: BF093720.D

Acq: 16 Mar 2017 21:41

Instrument :

BNA_F

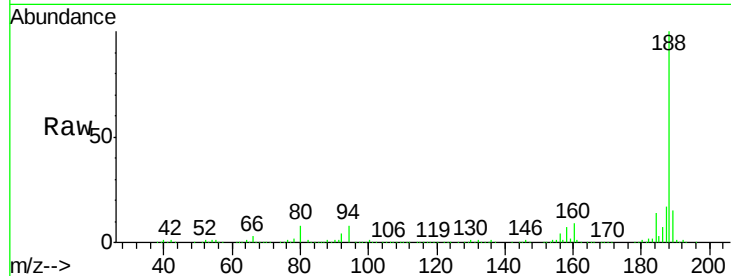
ClientSampleId :

TEC-COMP

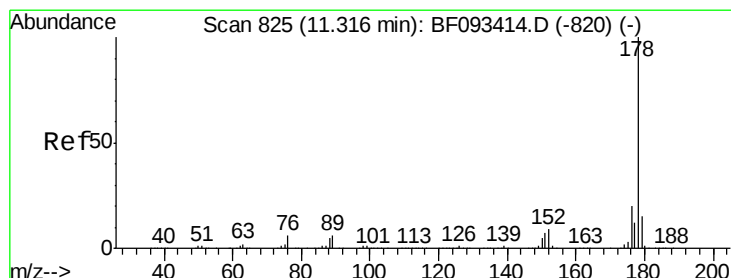
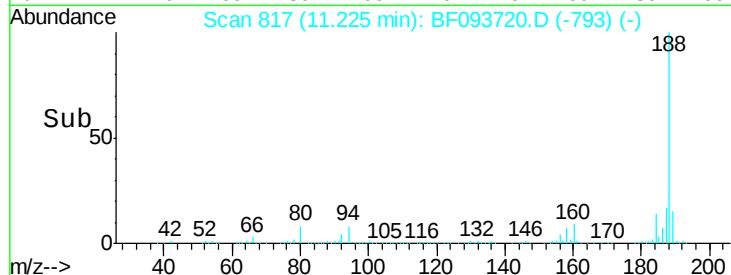
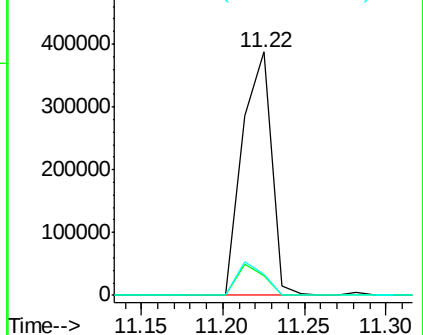
Tot Ion:	188	Resp:	477104
Ion Ratio	Lower	Upper	
188	100		
94	7.9	10.0	15.0#
80	8.4	11.2	16.8#

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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: 9.92 ng

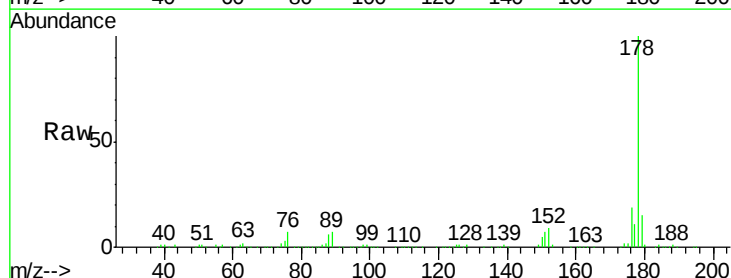
RT: 11.25 min Scan# 819

Delta R.T. -0.02 min

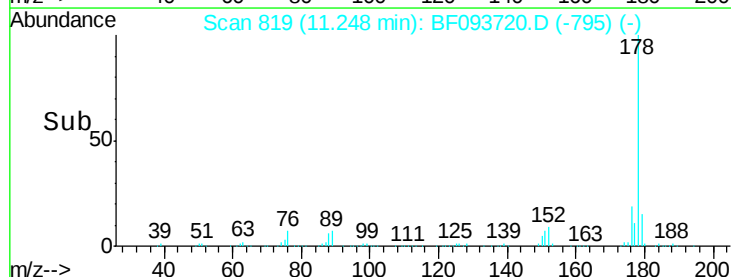
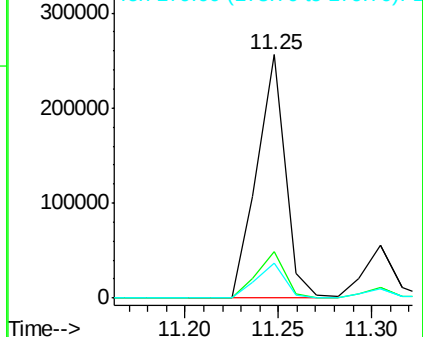
Lab File: BF093720.D

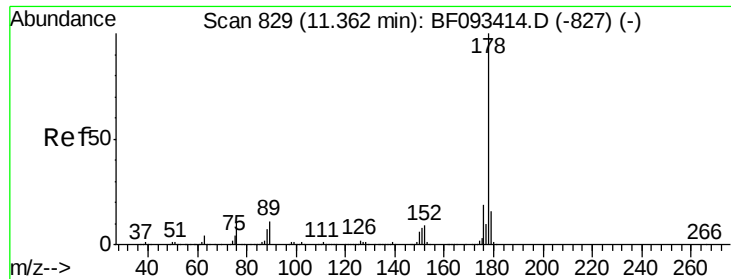
Acq: 16 Mar 2017 21:41

Tgt Ion:	178	Resp:	270235
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.6	25.0
179	14.6	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





#71

Anthracene

Concen: 2.20 ng

RT: 11.30 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF093720.D

Acq: 16 Mar 2017 21:41

Instrument :

BNA_F

ClientSampleId :

TEC-COMP

Tot Ion:178 Resp: 60488

Ion Ratio Lower Upper

178 100

176 19.4 15.9 23.9

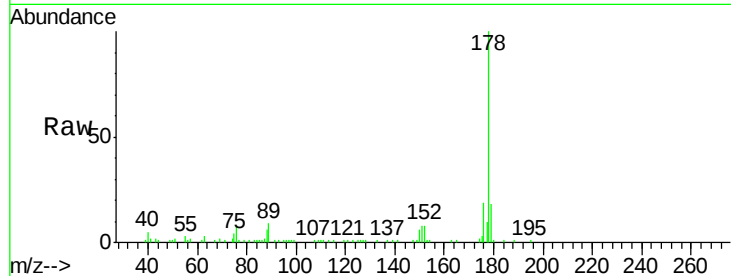
179 18.1 13.2 19.8

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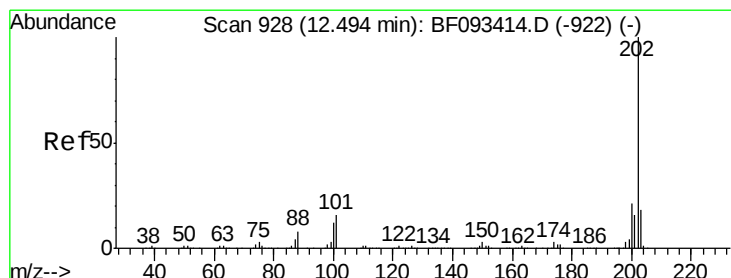
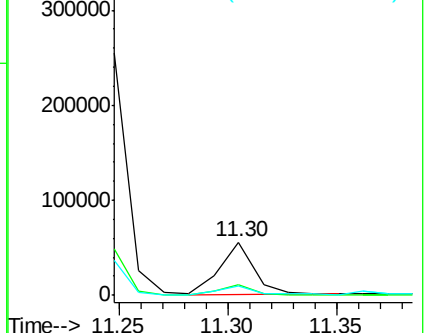
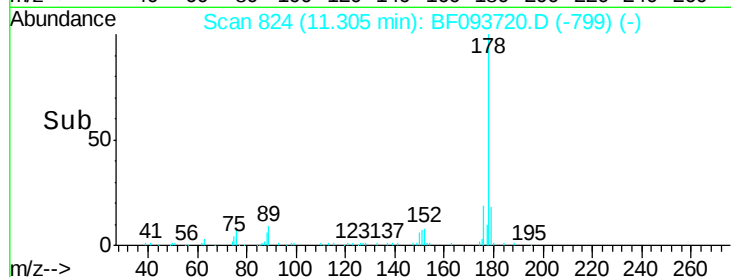
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 18.81 ng

RT: 12.44 min Scan# 923

Delta R.T. -0.02 min

Lab File: BF093720.D

Acq: 16 Mar 2017 21:41

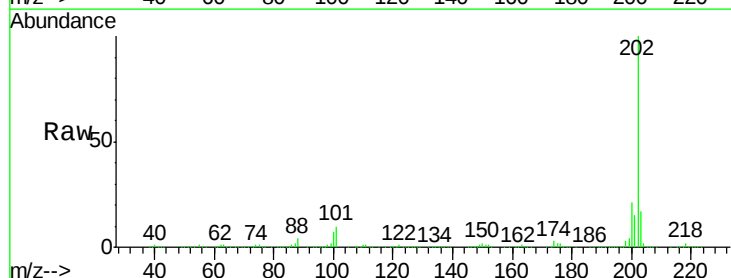
Tgt Ion:202 Resp: 494780

Ion Ratio Lower Upper

202 100

101 10.0 0.0 34.6

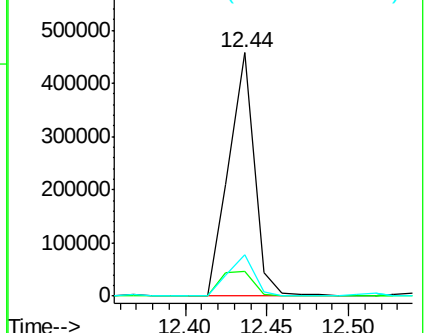
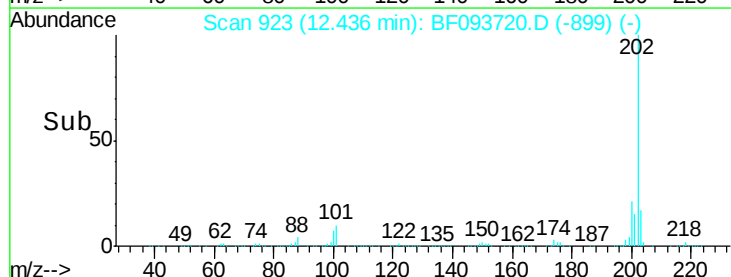
203 17.2 0.0 38.7

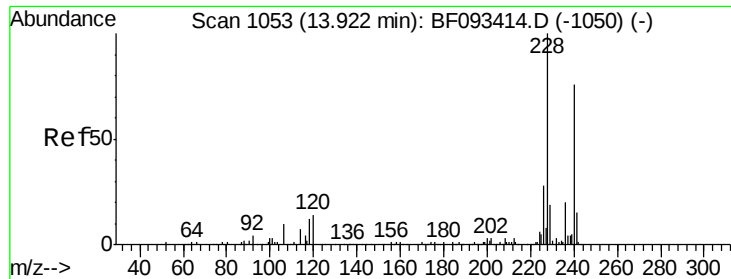


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.87 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF093720.D

Acq: 16 Mar 2017 21:41

Instrument :

BNA_F

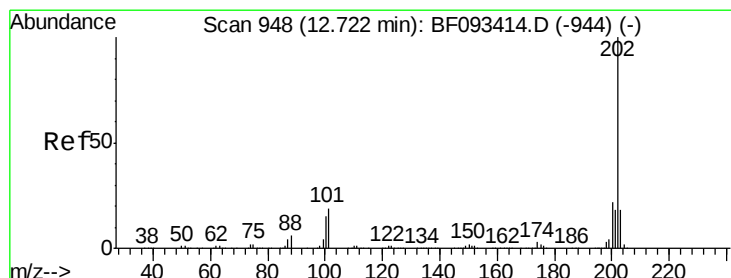
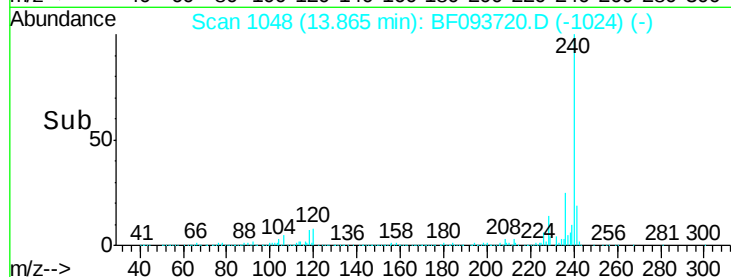
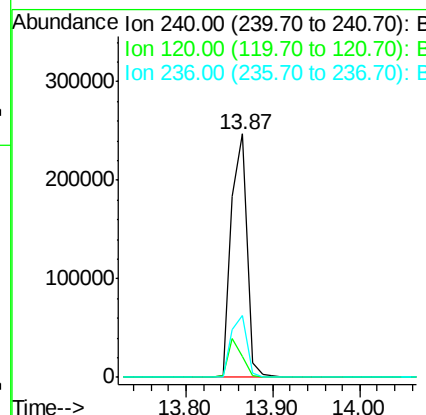
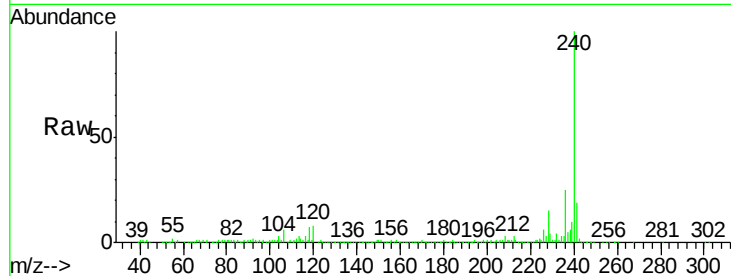
ClientSampleId :

TEC-COMP

Tot Ion:	240	Resp:	312803
Ion Ratio	Lower	Upper	
240	100		
120	8.4	12.9	19.3#
236	25.4	20.9	31.3

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#77

Pyrene

Concen: 20.19 ng

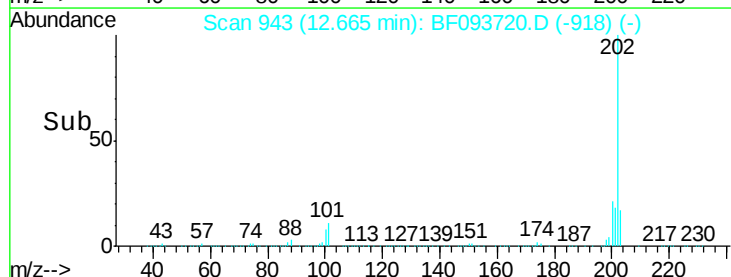
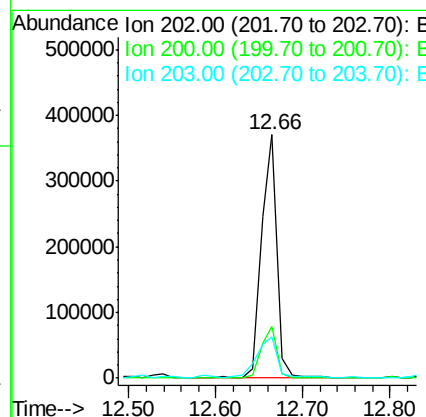
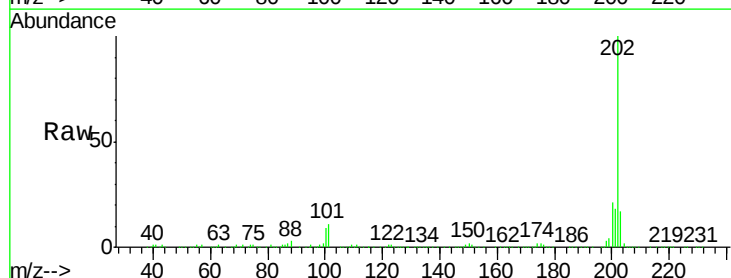
RT: 12.66 min Scan# 943

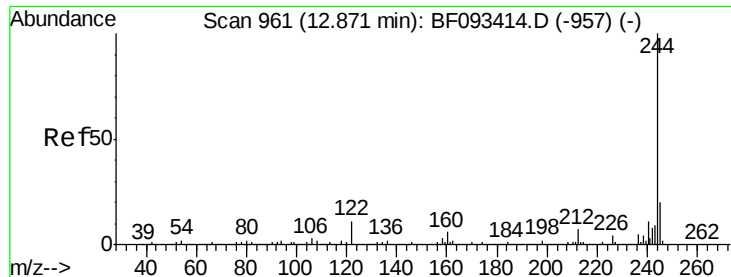
Delta R.T. -0.01 min

Lab File: BF093720.D

Acq: 16 Mar 2017 21:41

Tgt Ion:	202	Resp:	459351
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.7	26.5
203	17.2	14.7	22.1





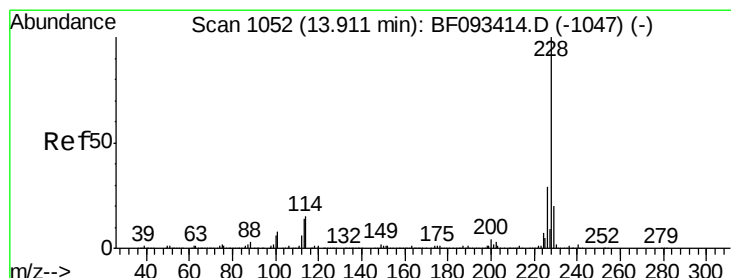
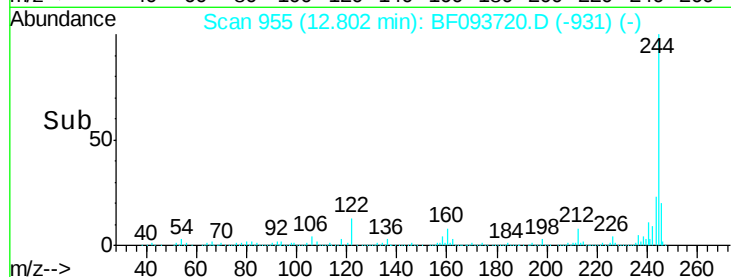
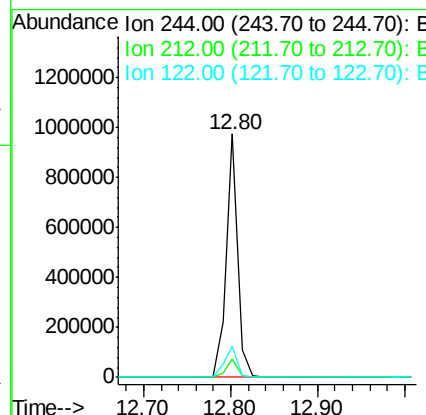
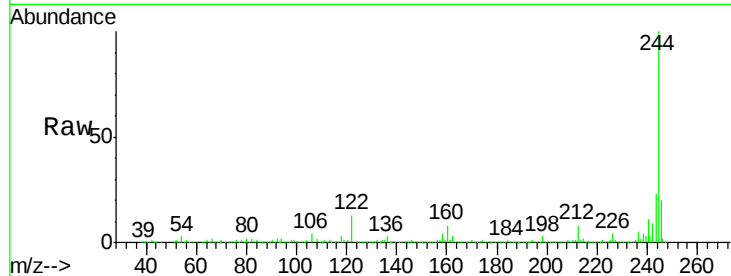
#78
 Terphenyl-d14
 Concen: 75.29 ng
 RT: 12.80 min Scan# 955
 Delta R.T. -0.02 min
 Lab File: BF093720.D
 Acq: 16 Mar 2017 21:41

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	12.8	11.4	17.2

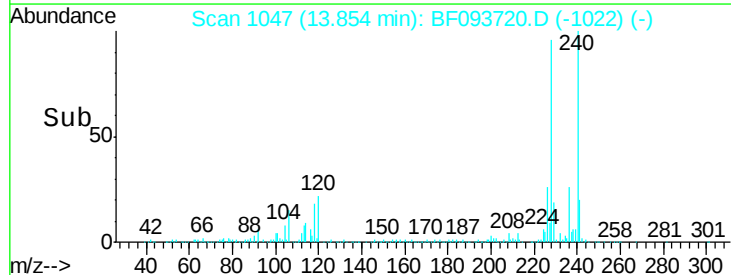
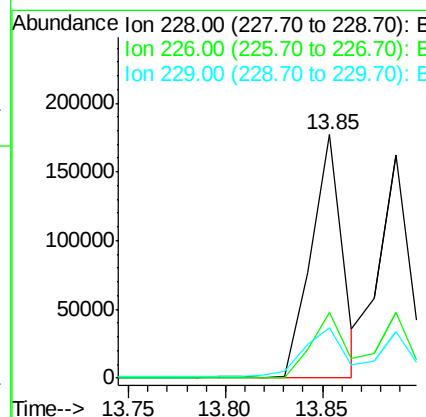
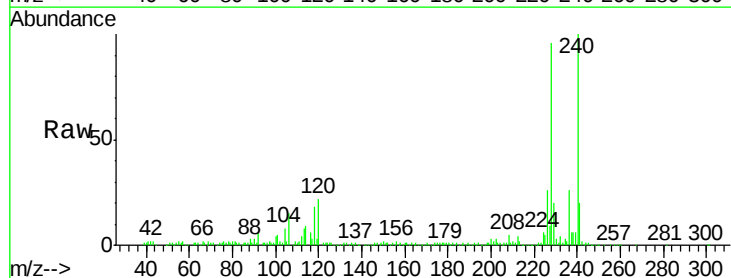
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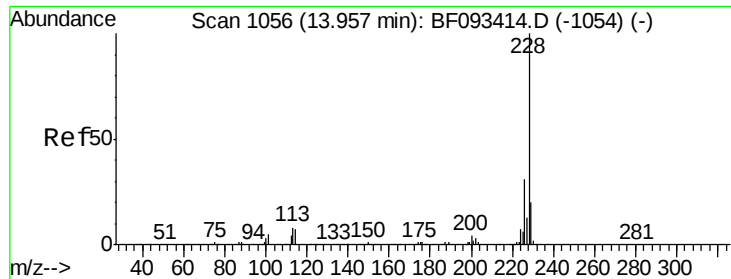
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#80
 Benzo(a)anthracene
 Concen: 10.91 ng m
 RT: 13.85 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BF093720.D
 Acq: 16 Mar 2017 21:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.4	33.6
229	20.5	16.2	24.4





#82

Chrysene

Concen: 10.41 ng/mL

RT: 13.89 min Scan# 1050

Delta R.T. -0.02 min

Lab File: BF093720.D

Acq: 16 Mar 2017 21:41

Instrument :

BNA_F

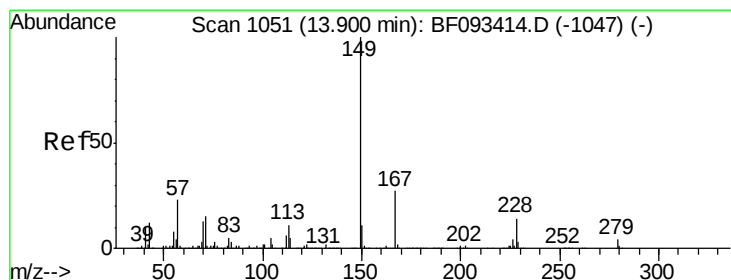
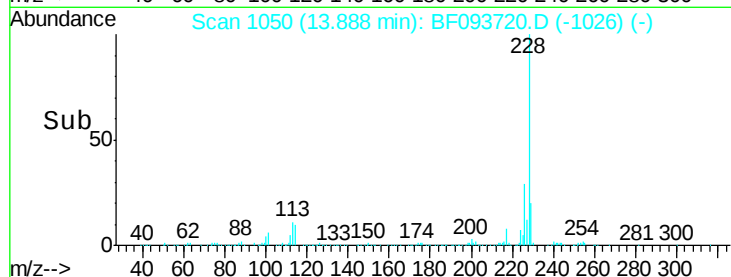
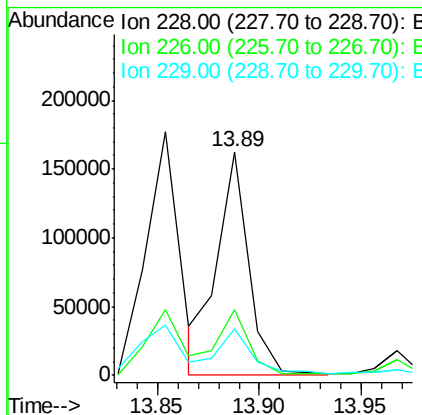
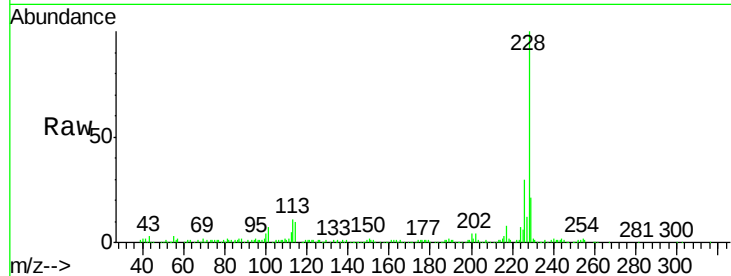
ClientSampleId :

TEC-COMP

Tot Ion:	228	Resp:	177932
Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.4	38.0
229	20.6	16.2	24.2

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#83

Bis(2-ethylhexyl)phthalate

Concen: 4.04 ng/mL

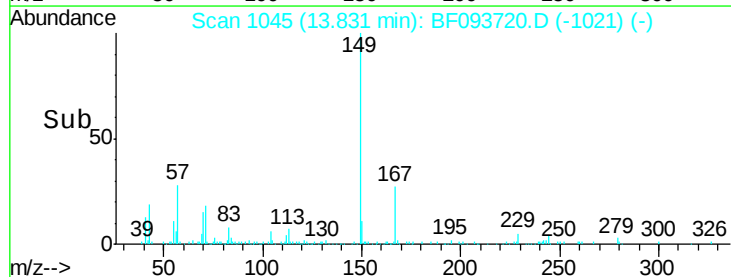
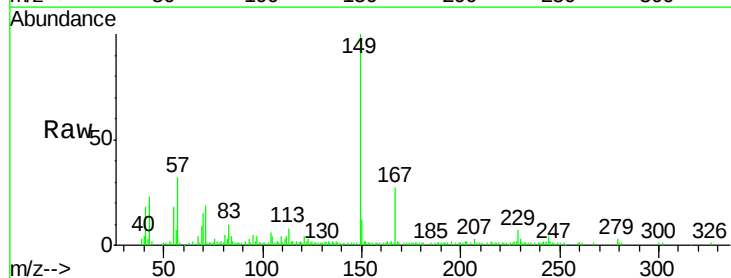
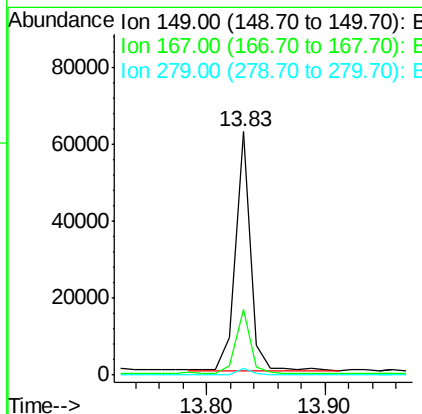
RT: 13.83 min Scan# 1045

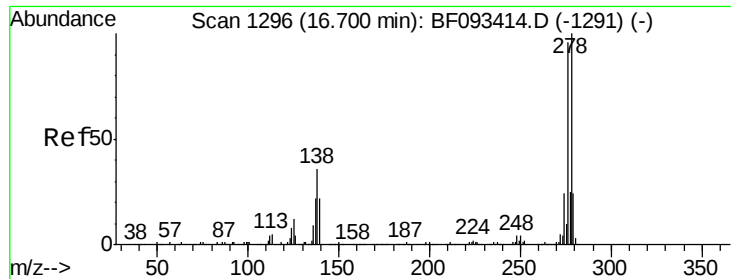
Delta R.T. -0.02 min

Lab File: BF093720.D

Acq: 16 Mar 2017 21:41

Tgt Ion:	149	Resp:	53917
Ion	Ratio	Lower	Upper
149	100		
167	26.9	20.2	30.4
279	3.0	1.8	2.8#





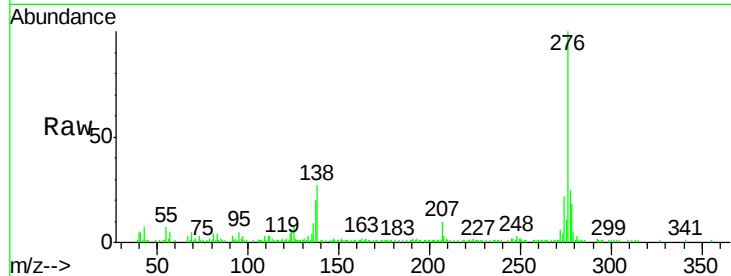
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.50 ng
RT: 16.61 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BF093720.D
Acq: 16 Mar 2017 21:41

Instrument :
BNA_F
ClientSampleId :
TEC-COMP

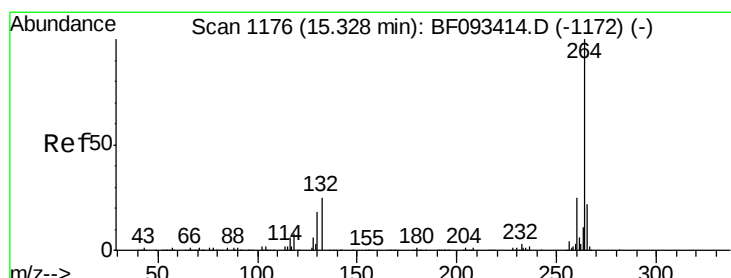
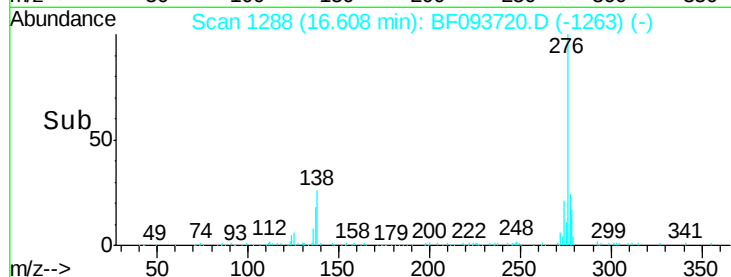
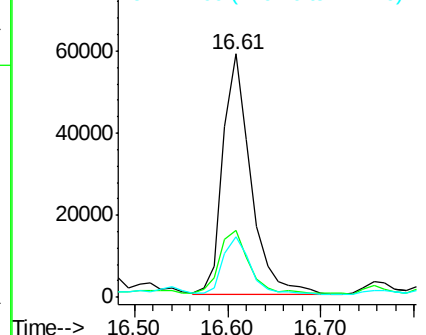
Tot Ion	Ratio	Lower	Upper
276	100		
138	27.8	21.8	32.6
277	24.4	20.2	30.4

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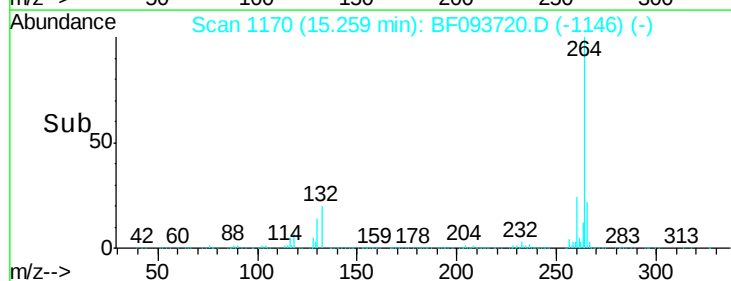
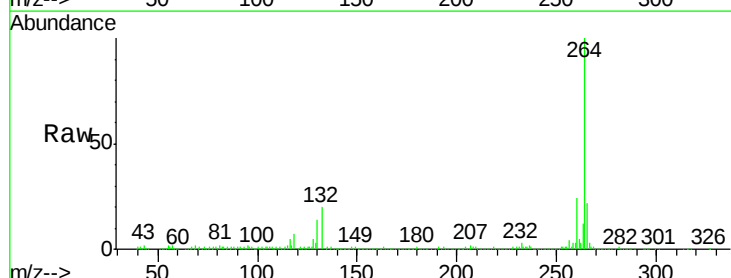
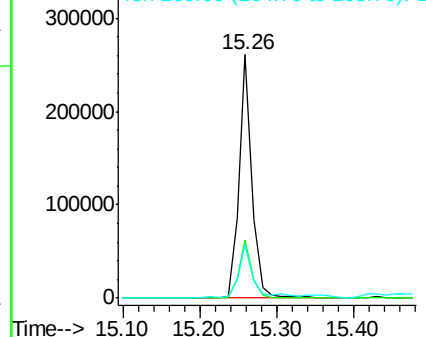
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

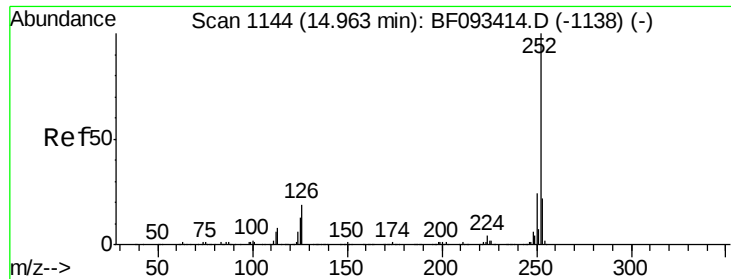


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.26 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF093720.D
Acq: 16 Mar 2017 21:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.8	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: 11.41 ng m

RT: 14.87 min Scan# 1136

Delta R.T. -0.02 min

Lab File: BF093720.D

Acq: 16 Mar 2017 21:41

Instrument :

BNA_F

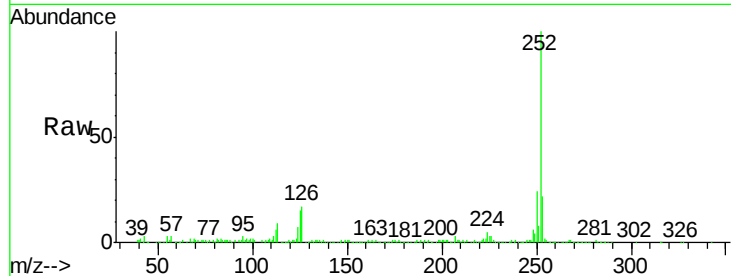
ClientSampleId :

TEC-COMP

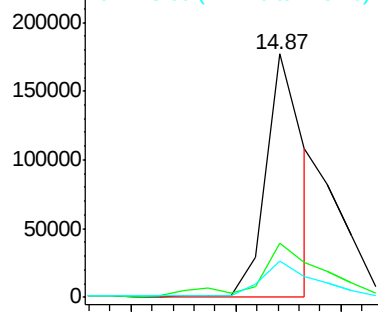
Tot Ion:	252	Resp:	219078
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.2	27.4
125	14.8	9.8	14.6#

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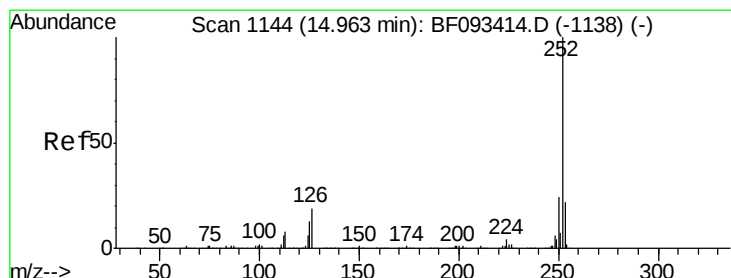
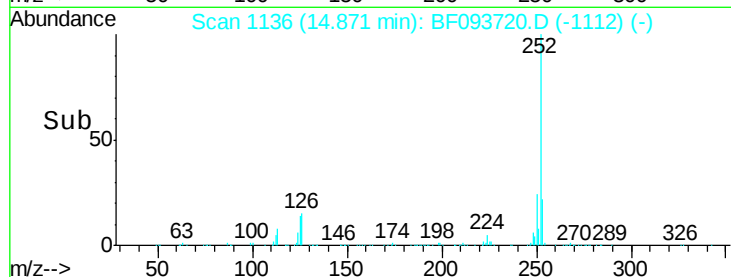
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->



#88

Benzo(k)fluoranthene

Concen: 5.16 ng m

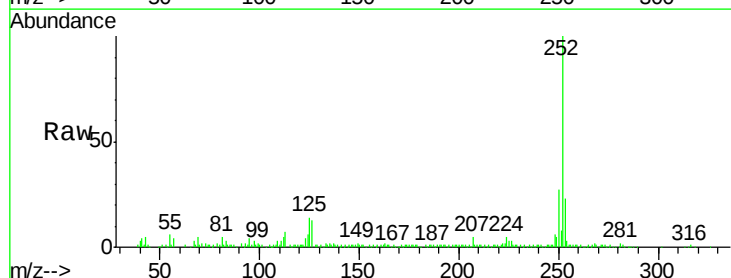
RT: 14.88 min Scan# 1137

Delta R.T. -0.03 min

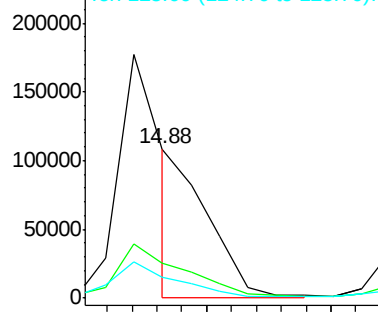
Lab File: BF093720.D

Acq: 16 Mar 2017 21:41

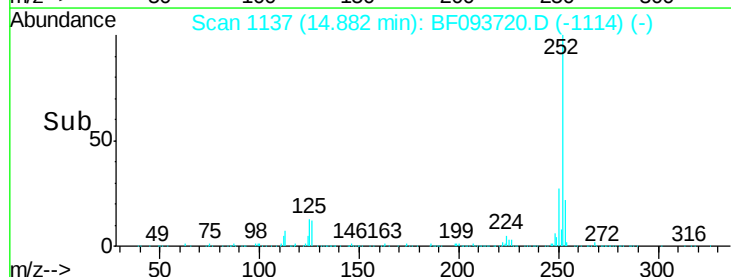
Tgt Ion:	252	Resp:	95452
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.5	27.7
125	13.7	8.9	13.3#

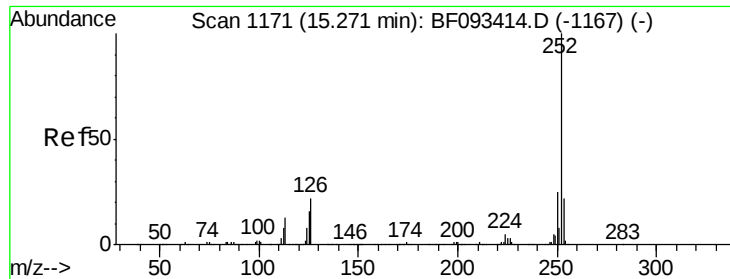


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





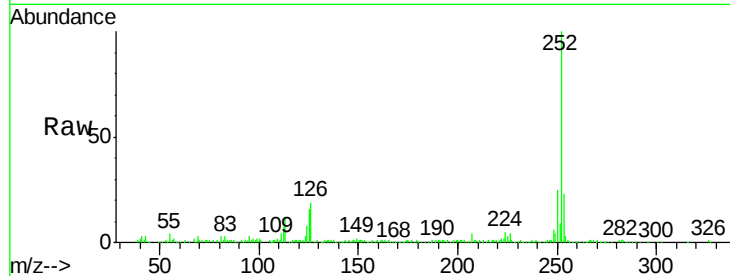
#89
Benzo(a)pyrene
Concen: 10.28 ng
RT: 15.20 min Scan# 1165
Delta R.T. -0.02 min
Lab File: BF093720.D
Acq: 16 Mar 2017 21:41

Instrument :
BNA_F
ClientSampleId :
TEC-COMP

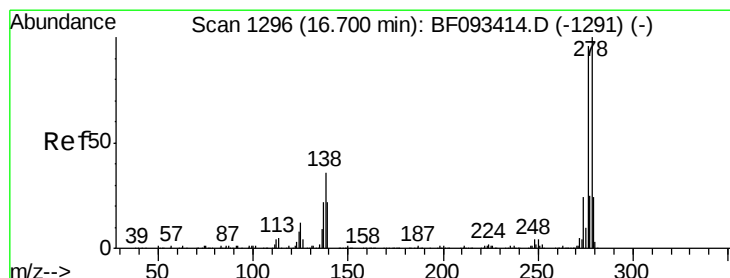
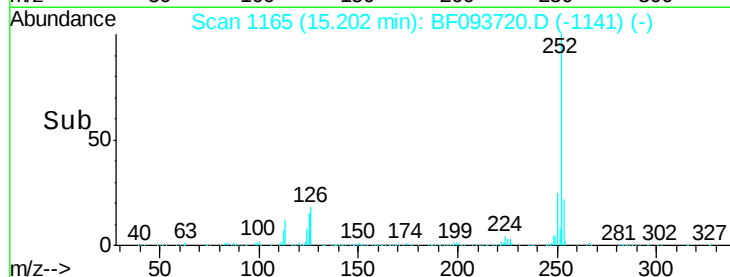
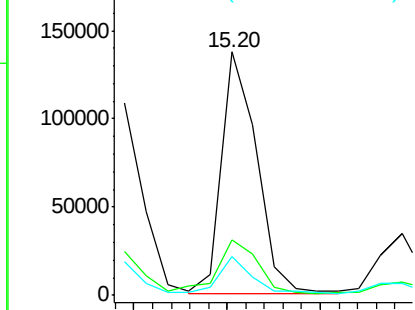
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	15.7	10.0	15.0#

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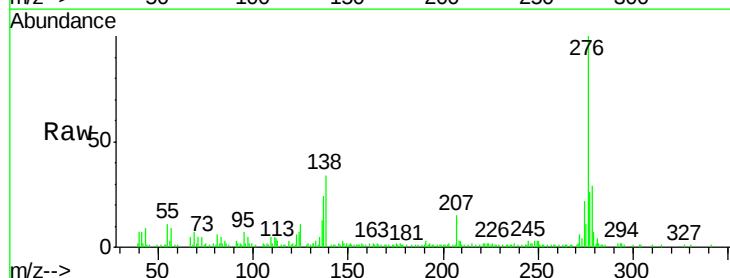


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

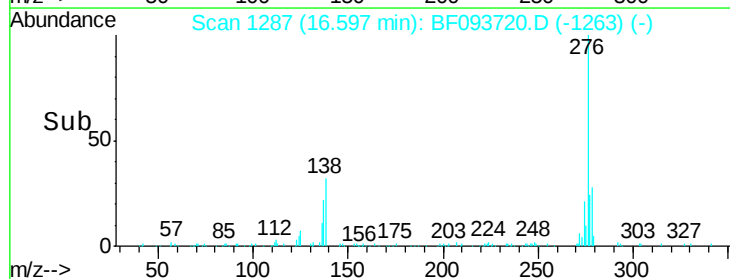
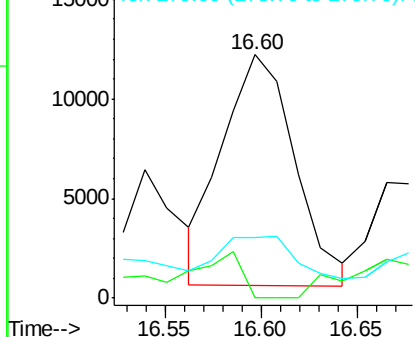


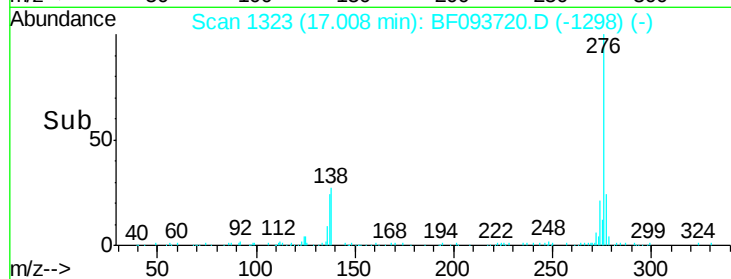
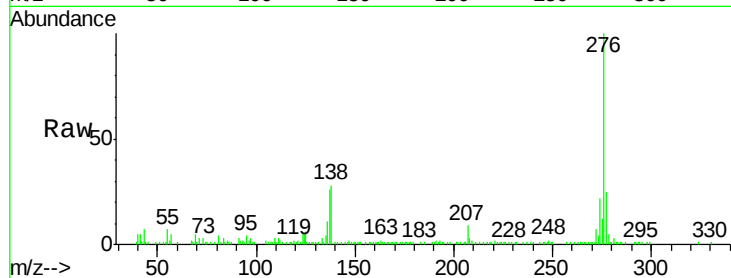
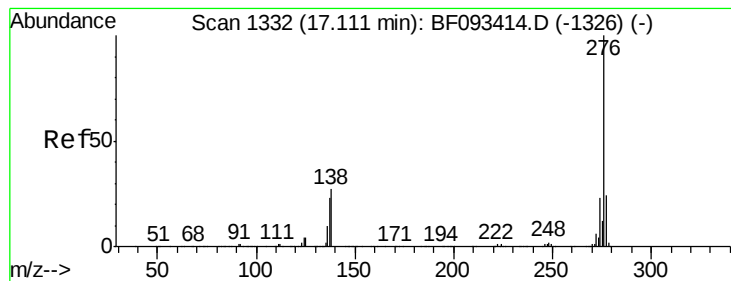
#90
Dibenzo(a,h)anthracene
Concen: 2.10 ng m
RT: 16.60 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BF093720.D
Acq: 16 Mar 2017 21:41

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	25.0	19.8	29.6



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 8.27 ng

RT: 17.01 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF093720.D

Acq: 16 Mar 2017 21:41

Instrument :

BNA_F

ClientSampleId :

TEC-COMP

Tot Ion:	276	Resp:	123209
Ion Ratio	Lower	Upper	
276	100		
277	25.2	19.2	28.8
138	28.5	16.0	24.0

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