

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031117\
 Data File : BF093598.D
 Acq On : 12 Mar 2017 8:33
 Operator : SJ/MA
 Sample : I2106-04DL 20X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB413ADL

Manual Integrations
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Quant Time: Mar 13 18:42:52 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	6.72	152	150266	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	585439	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	247050	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	370116	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	286528	20.00	ng	0.00
86) Perylene-d12	15.29	264	214169	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	39322	4.36	ng	0.05
7) Phenol-d6	6.41	99	49762	4.37	ng	0.03
23) Nitrobenzene-d5	7.32	82	30523	2.89	ng	0.01
41) 2,4,6-Tribromophenol	10.56	330	5366	3.33	ng	0.01
44) 2-Fluorobiphenyl	9.09	172	56655	4.27	ng	0.00
78) Terphenyl-d14	12.83	244	36956	3.35	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.02	128	66451	2.27	ng	97
51) Acenaphthene	9.78	154	58755	4.37	ng	91
54) Dibenzofuran	9.97	168	70297	4.18	ng	91
57) Fluorene	10.31	166	104849	7.36	ng	99
70) Phenanthrene	11.27	178	300208	14.21	ng	97
71) Anthracene	11.32	178	139930	6.55	ng	100
74) Fluoranthene	12.46	202	433501	21.24	ng	93
77) Pyrene	12.69	202	346256	16.62	ng	99
80) Benzo(a)anthracene	13.88	228	140171m	8.28	ng	
82) Chrysene	13.91	228	137766m	8.80	ng	
85) Indeno(1,2,3-cd)pyrene	16.67	276	28770	2.20	ng	# 84
87) Benzo(b)fluoranthene	14.91	252	103586m	7.94	ng	
88) Benzo(k)fluoranthene	14.92	252	47058m	3.74	ng	
89) Benzo(a)pyrene	15.25	252	52432	4.40	ng	# 34
91) Benzo(g,h,i)perylene	17.08	276	23162	2.29	ng	# 49

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

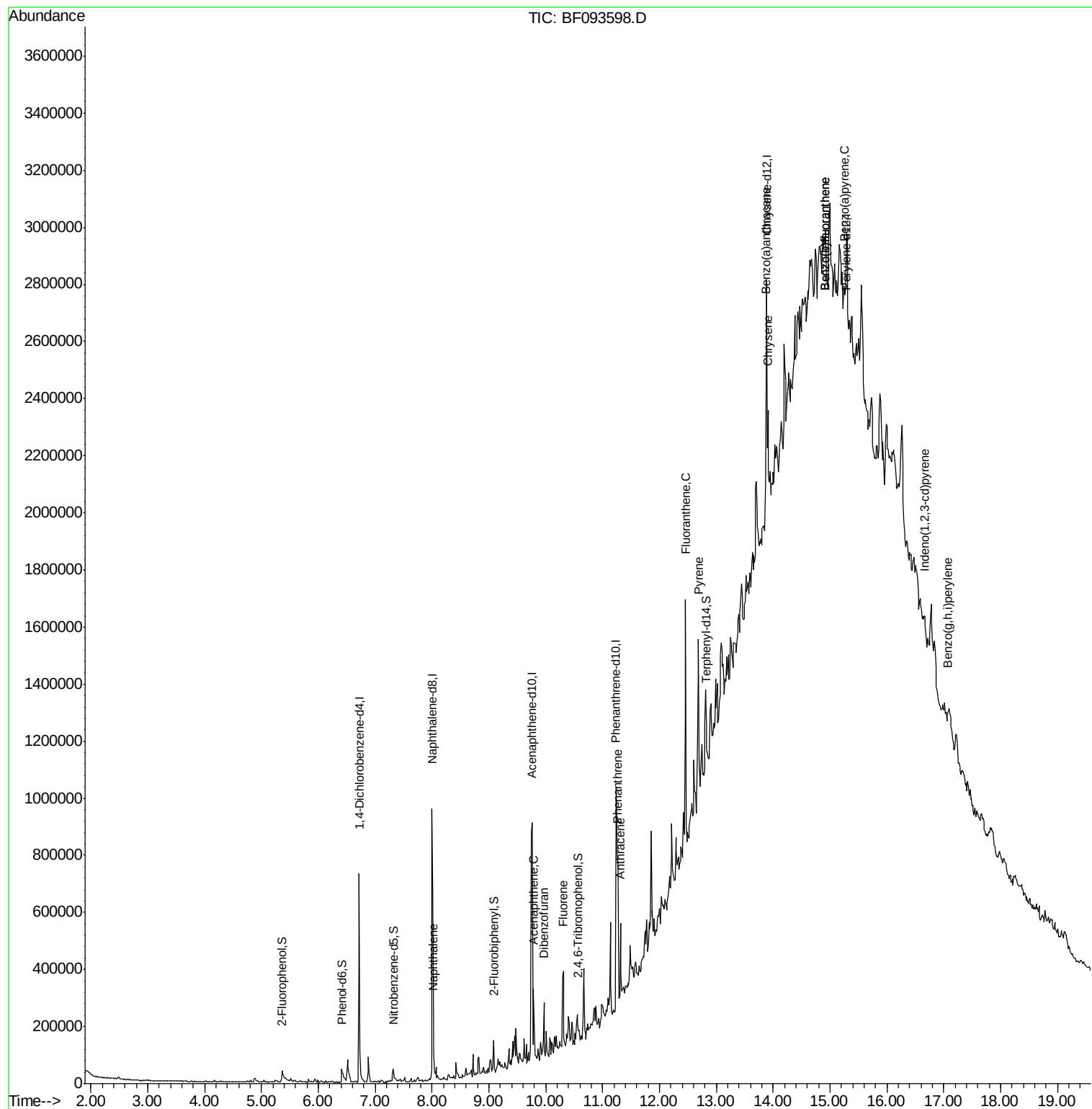
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031117\
Data File : BF093598.D
Acq On : 12 Mar 2017 8:33
Operator : SJ/MA
Sample : I2106-04DL 20X
Misc :
ALS Vial : 33 Sample Multiplier: 1

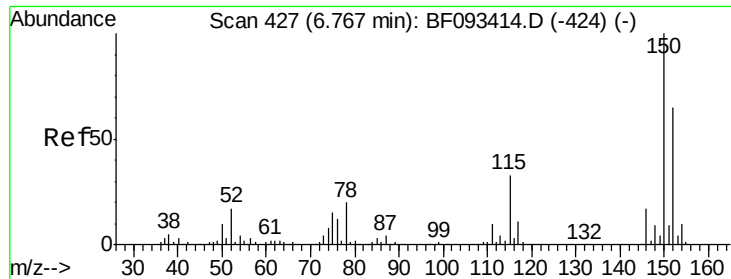
Instrument :
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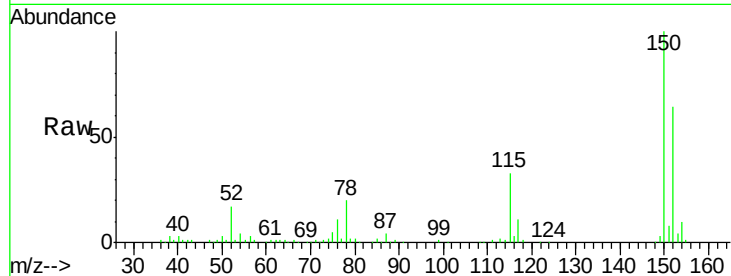




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 423
Delta R.T. 0.00 min
Lab File: BF093598.D
Acq: 12 Mar 2017 8:33

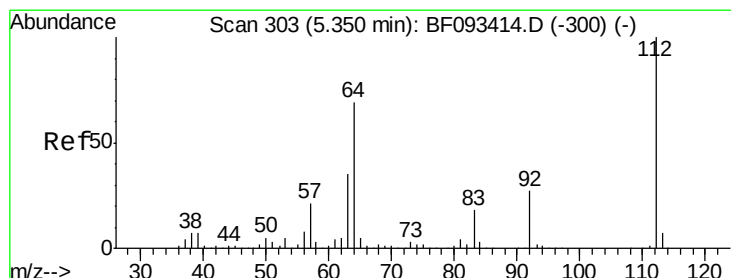
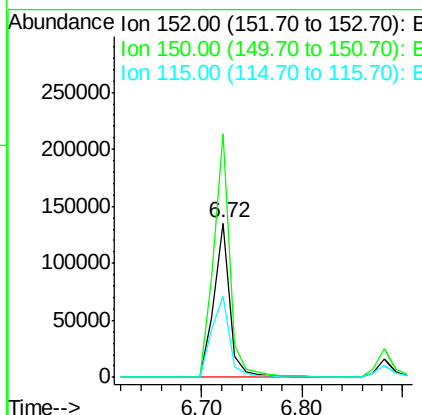
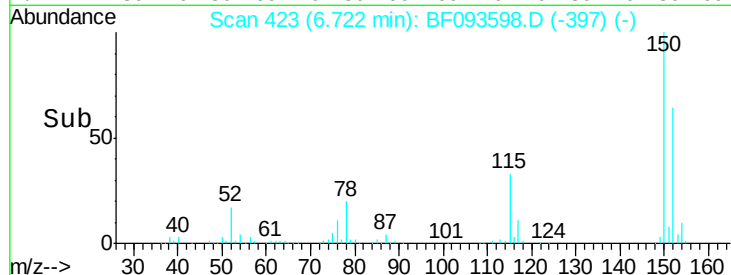
Instrument :
BNA_F
ClientSampleId :
HY-SB413ADL



Tgt Ion	Ratio	Resp	Lower	Upper
152	100	150266		
150	157.4	124.9	187.3	
115	52.7	46.0	69.0	

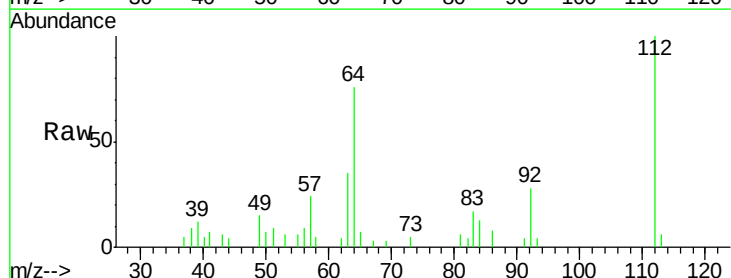
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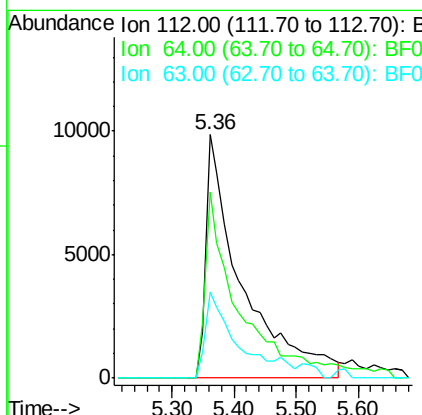
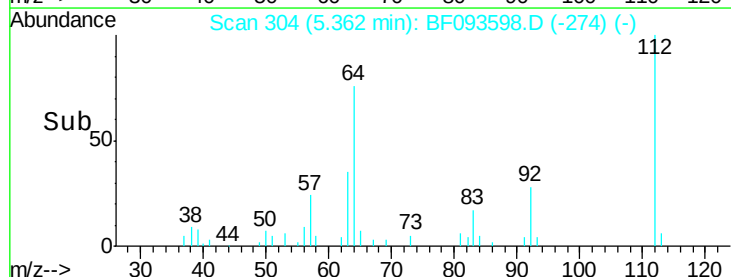


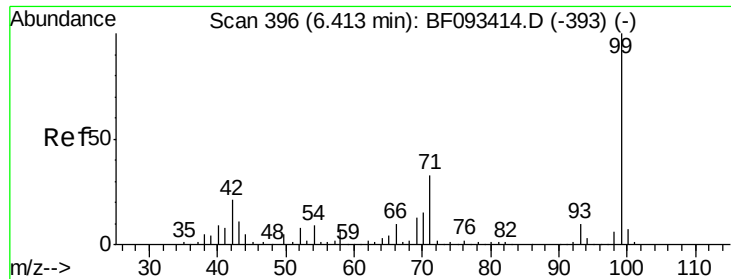
#5

2-Fluorophenol
Concen: 4.36 ng
RT: 5.36 min Scan# 304
Delta R.T. 0.05 min
Lab File: BF093598.D
Acq: 12 Mar 2017 8:33



Tgt Ion	Ratio	Resp	Lower	Upper
112	100	39322		
64	76.3	46.1	69.1#	
63	35.2	23.8	35.6	





#7

Phenol-d6

Concen: 4.37 ng

RT: 6.41 min Scan# 396

Delta R.T. 0.03 min

Lab File: BF093598.D

Acq: 12 Mar 2017 8:33

Instrument :

BNA_F

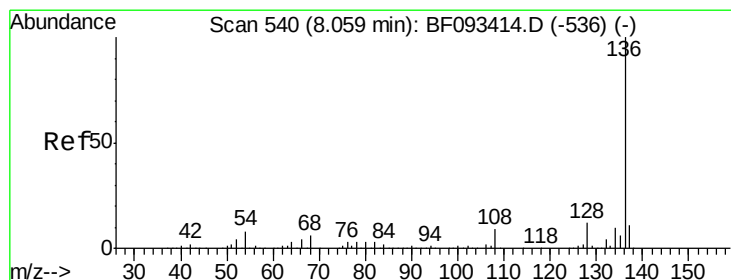
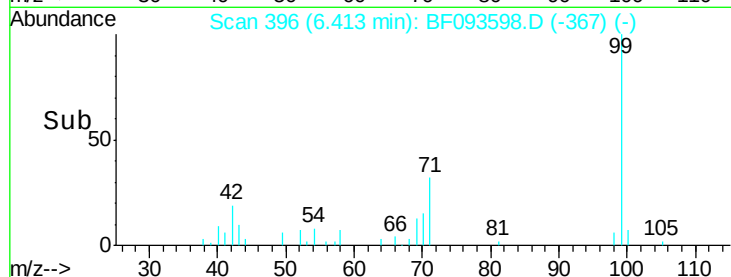
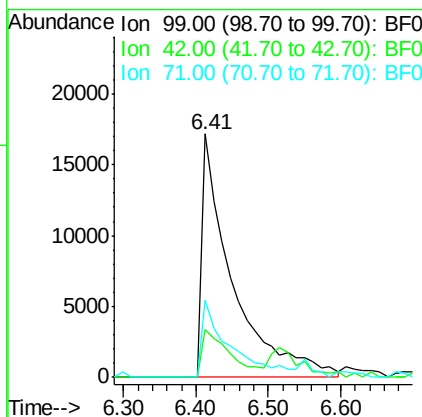
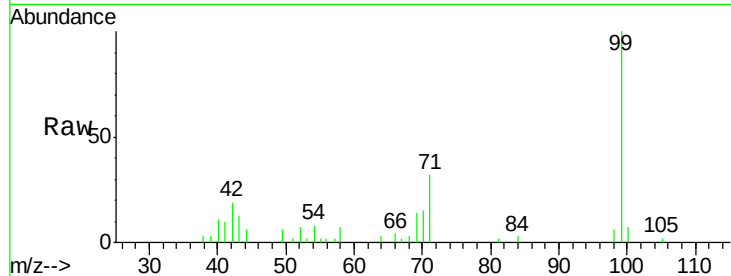
ClientSampleId :

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Tgt Ion:	99	Resp:	49762
Ion Ratio	Lower	Upper	
99	100		
42	19.4	15.6	23.4
71	31.6	27.5	41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

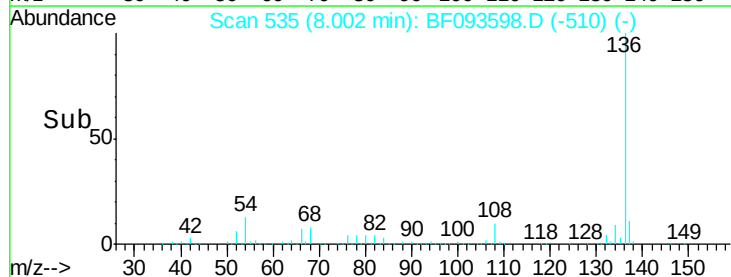
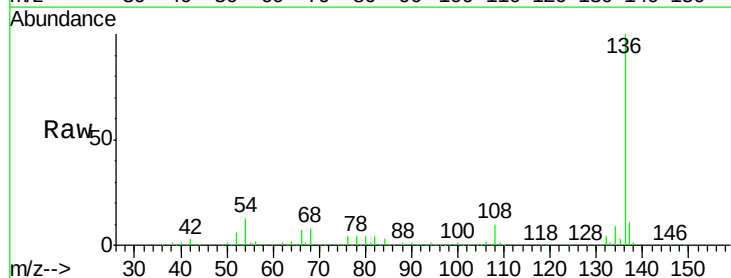
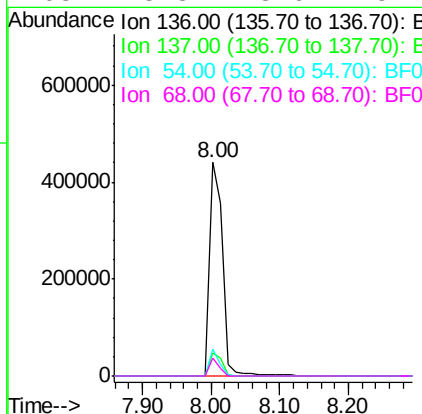
RT: 8.00 min Scan# 535

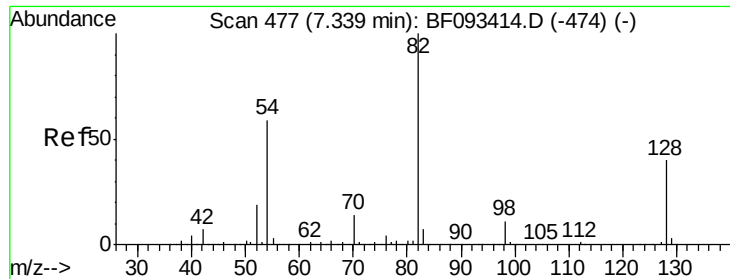
Delta R.T. -0.01 min

Lab File: BF093598.D

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Tgt Ion:	136	Resp:	585439
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.4	12.6
54	12.6	4.5	6.7#
68	8.3	3.6	5.4#





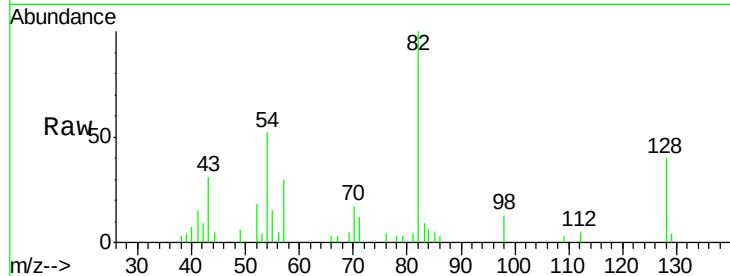
#23
Nitrobenzene-d5
Concen: 2.89 ng
RT: 7.32 min Scan# 475
Delta R.T. 0.01 min
Lab File: BF093598.D
Acq: 12 Mar 2017 8:33

Instrument :
BNA_F
ClientSampleId :
HY-SB413ADL

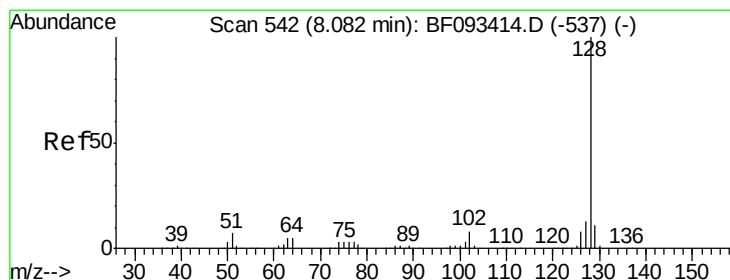
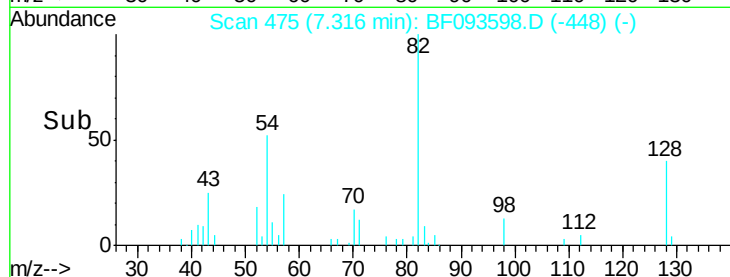
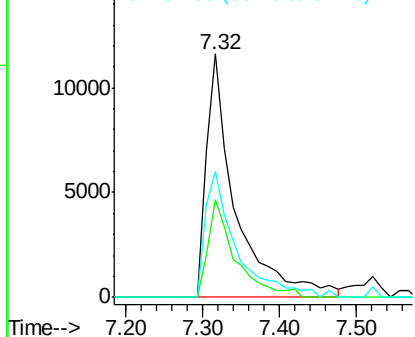
Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.4	34.6	52.0
54	51.5	39.5	59.3

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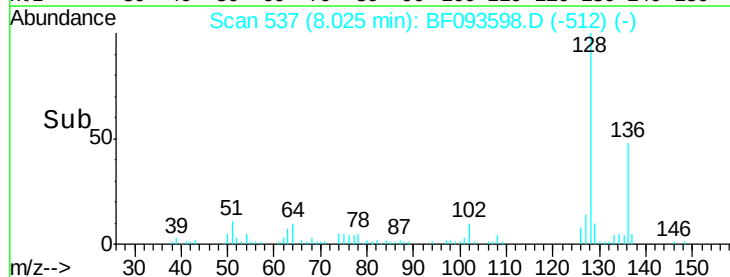
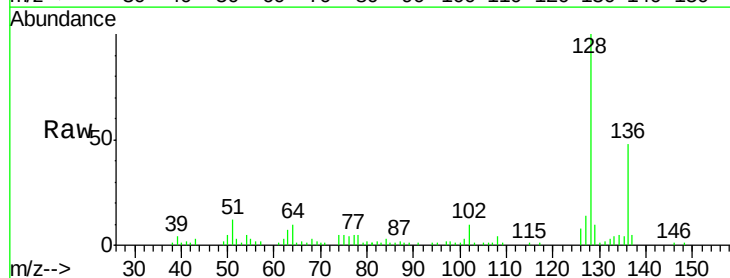
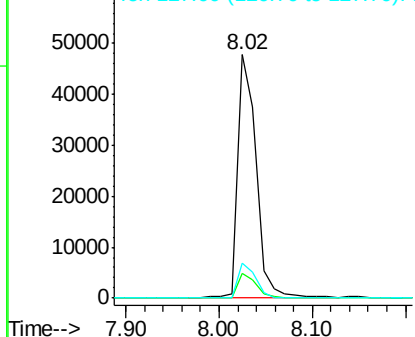
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Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

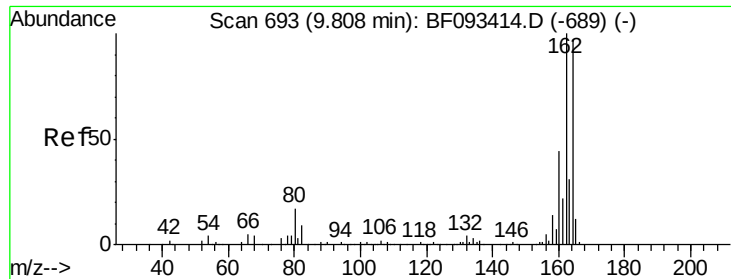


#31
Naphthalene
Concen: 2.27 ng
RT: 8.02 min Scan# 537
Delta R.T. -0.01 min
Lab File: BF093598.D
Acq: 12 Mar 2017 8:33

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.3	9.5	14.3
127	14.3	10.8	16.2

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





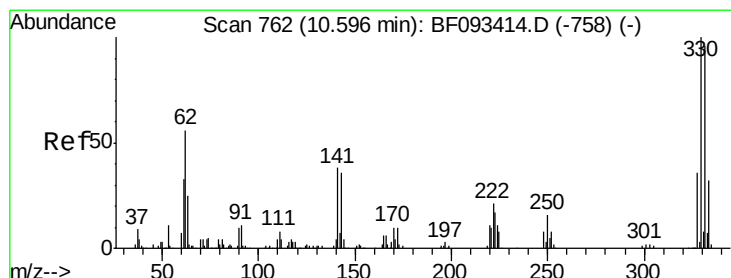
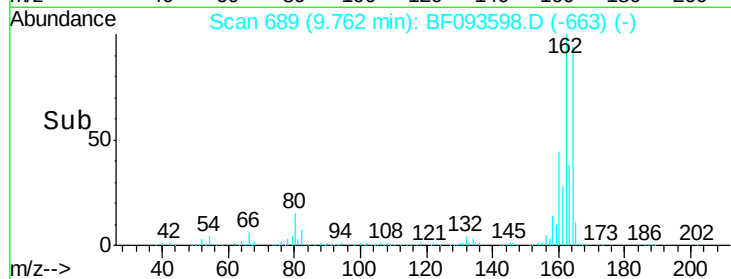
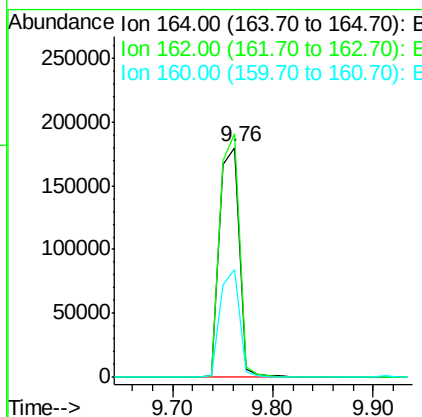
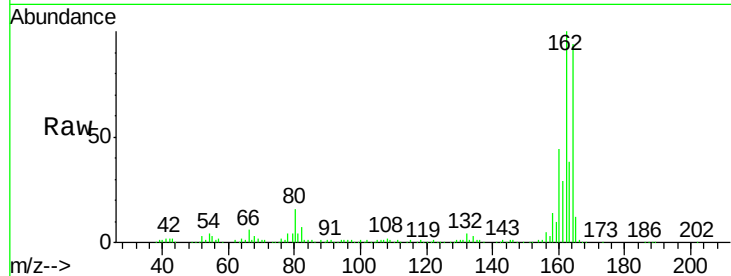
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.76 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: BF093598.D
 Acq: 12 Mar 2017 8:33

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB413ADL

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	247050		
162	106.0	80.2	120.2	
160	47.0	36.9	55.3	

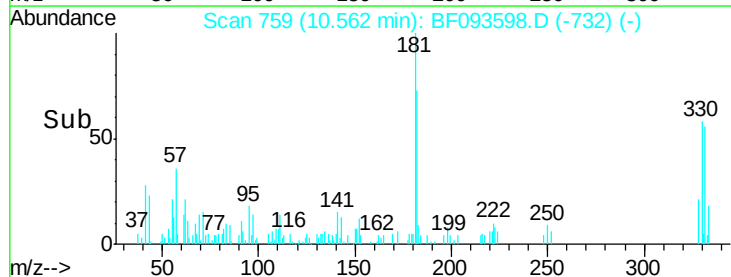
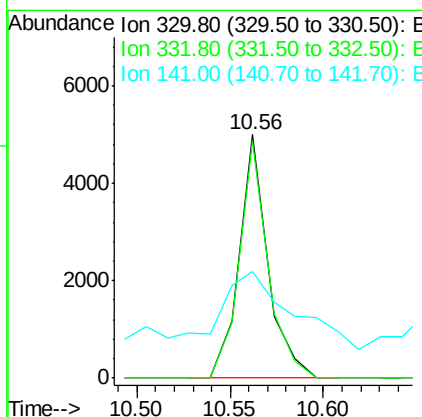
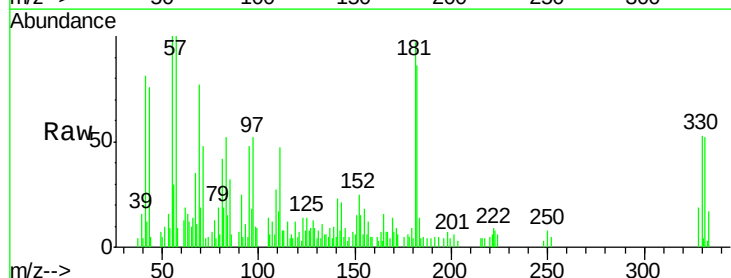
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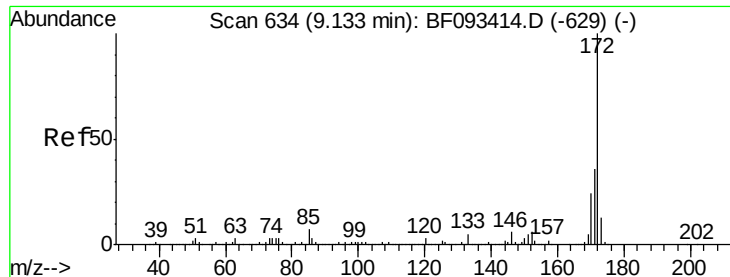
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#41
 2,4,6-Tribromophenol
 Concen: 3.33 ng
 RT: 10.56 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: BF093598.D
 Acq: 12 Mar 2017 8:33

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	5366		
332	98.1	77.4	116.2	
141	80.1	34.1	51.1#	





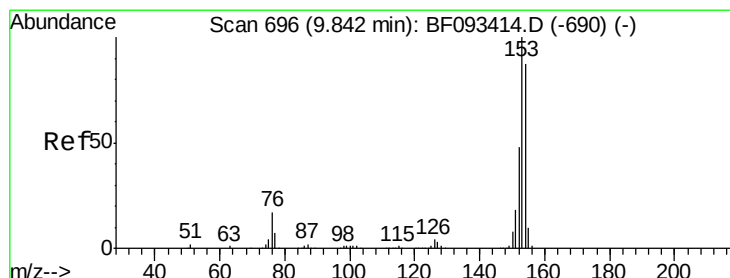
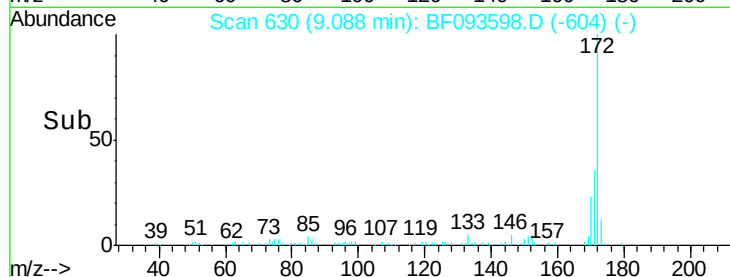
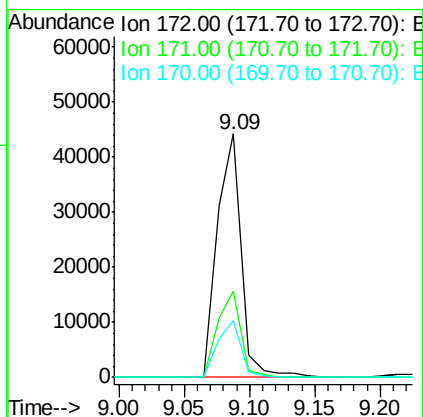
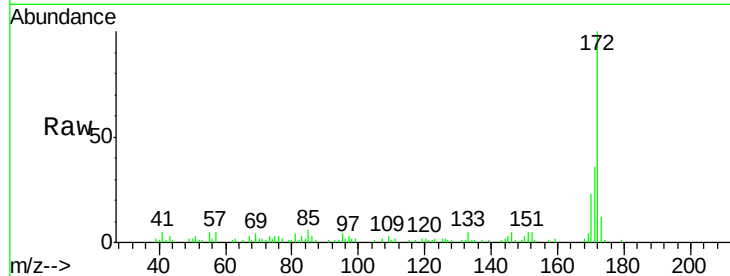
#44
2-Fluorobiphenyl
Concen: 4.27 ng
RT: 9.09 min Scan# 630
Delta R.T. 0.00 min
Lab File: BF093598.D
Acq: 12 Mar 2017 8:33

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.6	29.4	44.0
170	23.4	20.2	30.4

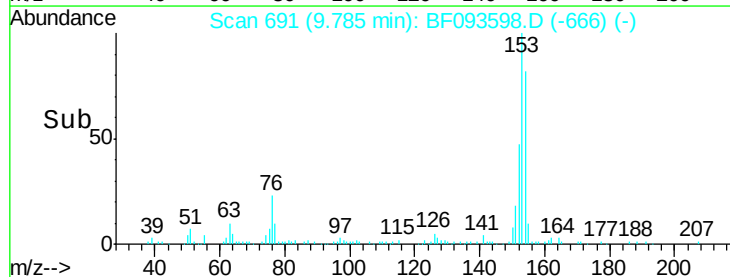
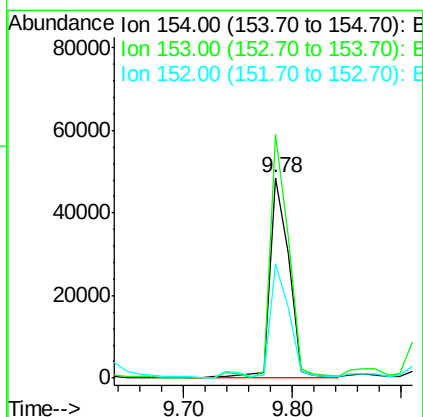
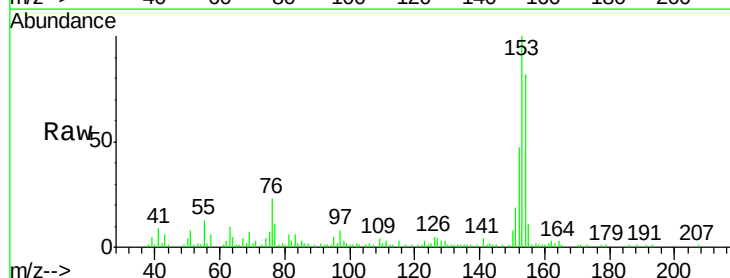
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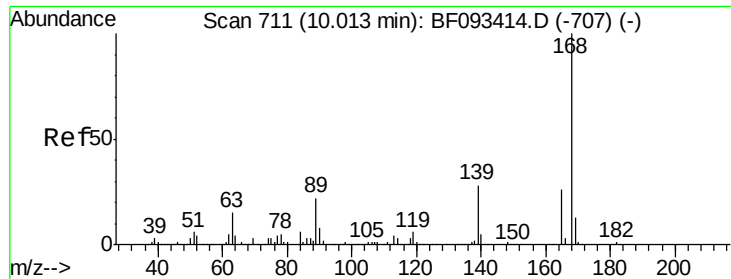
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#51
Acenaphthene
Concen: 4.37 ng
RT: 9.78 min Scan# 691
Delta R.T. -0.01 min
Lab File: BF093598.D
Acq: 12 Mar 2017 8:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	121.4	88.6	133.0
152	57.1	41.6	62.4





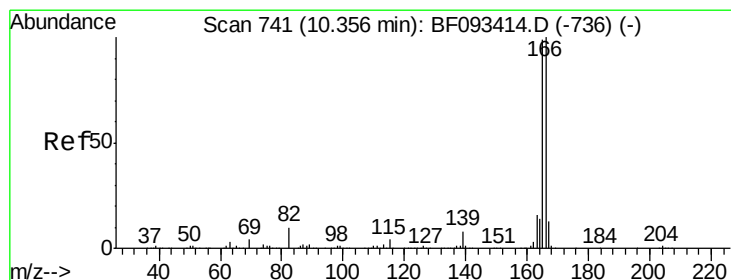
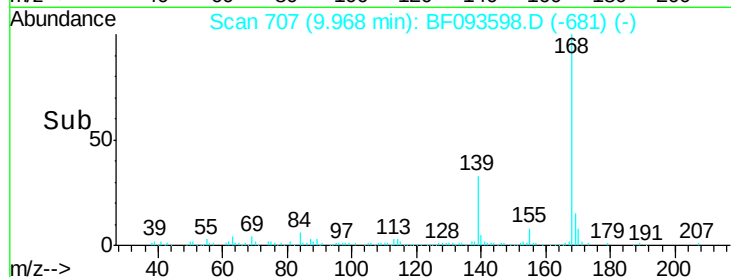
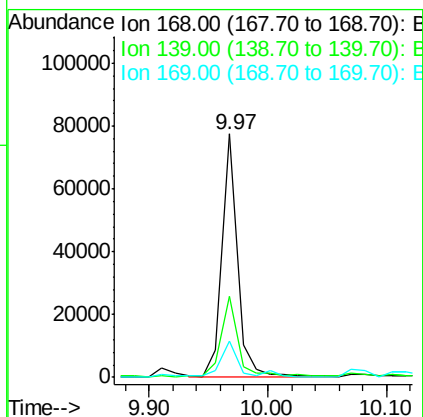
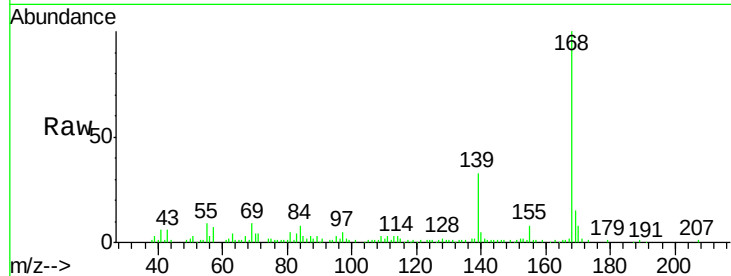
#54
Dibenzofuran
Concen: 4.18 ng
RT: 9.97 min Scan# 707
Delta R.T. 0.00 min
Lab File: BF093598.D
Acq: 12 Mar 2017 8:33

Instrument :
BNA_F
ClientSampleId :
HY-SB413ADL

Tgt Ion	Ratio	Lower	Upper
168	100		
139	33.3	32.6	49.0
169	14.7	11.3	16.9

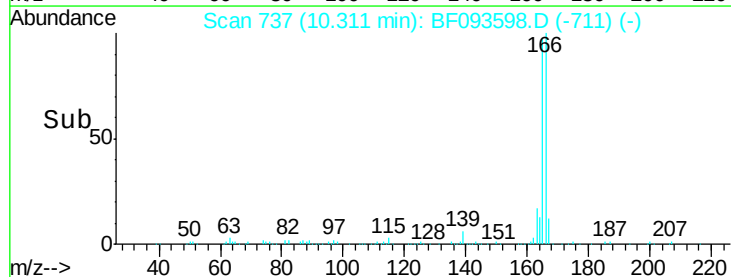
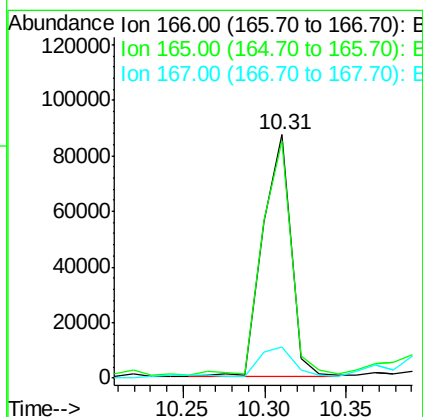
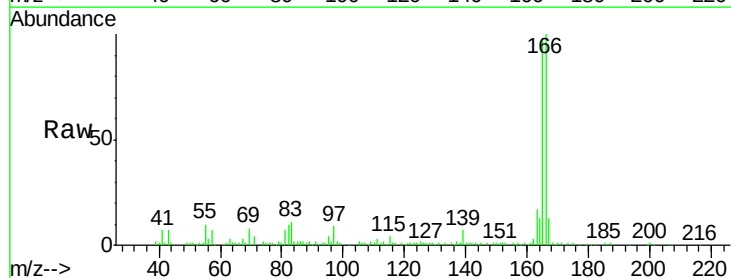
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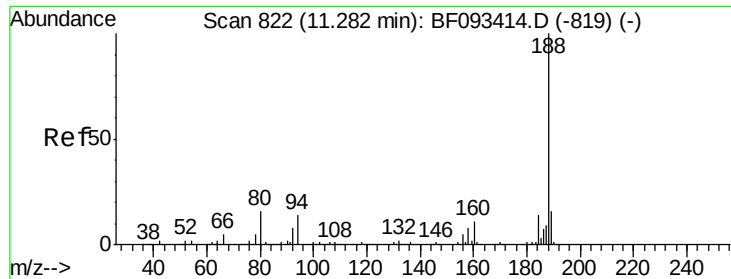
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#57
Fluorene
Concen: 7.36 ng
RT: 10.31 min Scan# 737
Delta R.T. 0.00 min
Lab File: BF093598.D
Acq: 12 Mar 2017 8:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.6	77.8	116.8
167	12.7	10.8	16.2





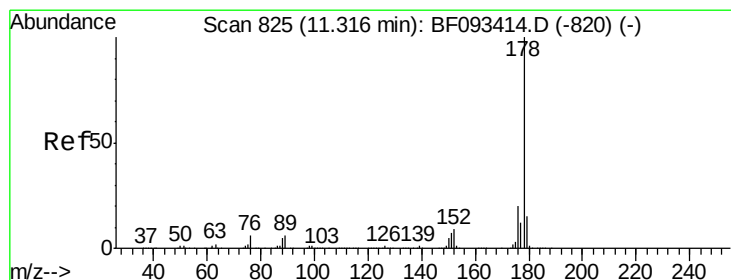
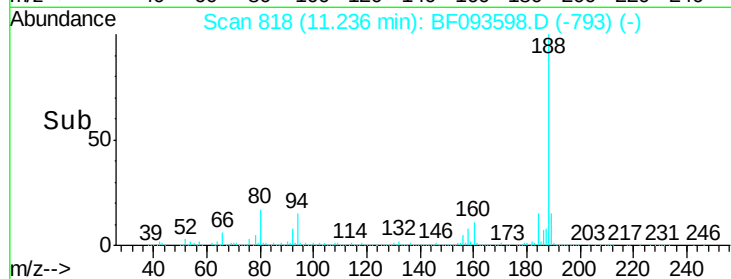
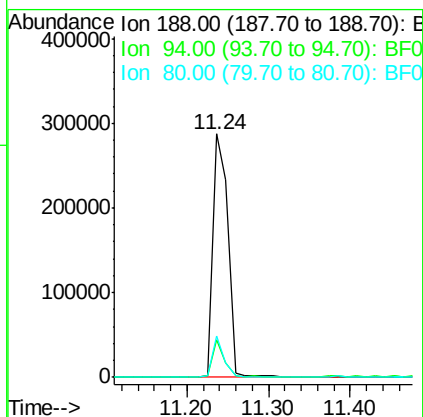
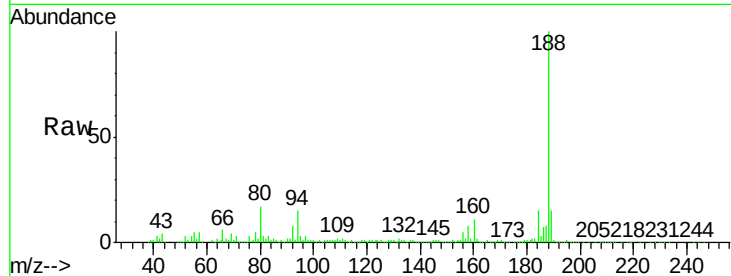
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF093598.D
Acq: 12 Mar 2017 8:33

Instrument :
BNA_F
ClientSampleId :
HY-SB413ADL

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	370116		
94	15.3	10.0	15.0#	
80	17.2	11.2	16.8#	

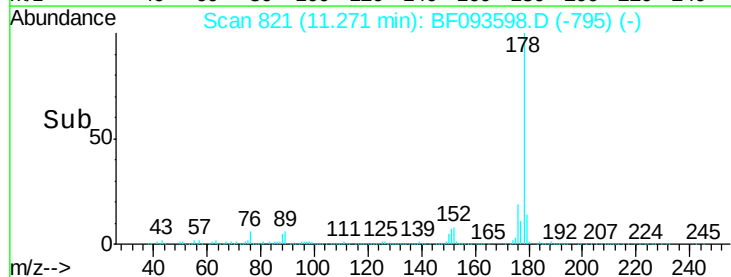
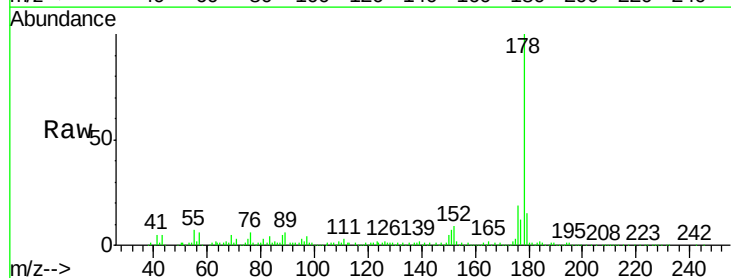
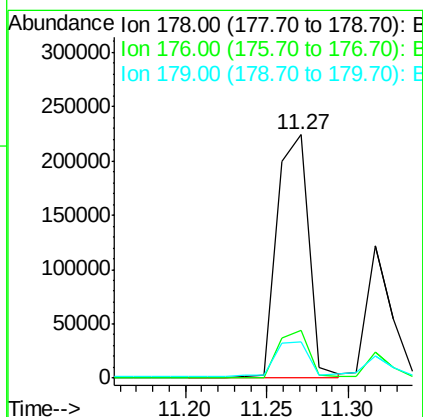
Manual Integrations
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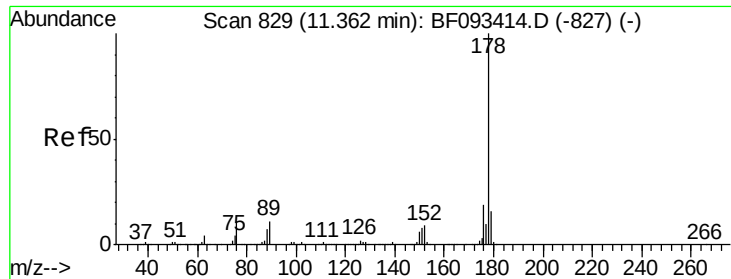
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#70
Phenanthrene
Concen: 14.21 ng
RT: 11.27 min Scan# 821
Delta R.T. 0.00 min
Lab File: BF093598.D
Acq: 12 Mar 2017 8:33

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	300208		
176	19.4	16.6	25.0	
179	14.8	12.8	19.2	





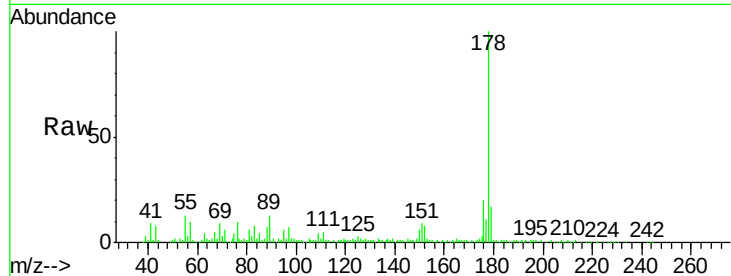
#71
 Anthracene
 Concen: 6.55 ng
 RT: 11.32 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: BF093598.D
 Acq: 12 Mar 2017 8:33

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB413ADL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.9	23.9
179	16.8	13.2	19.8

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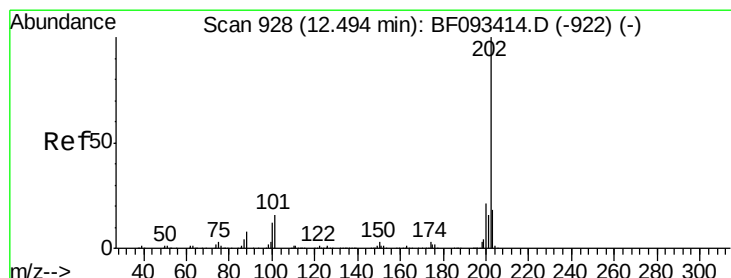
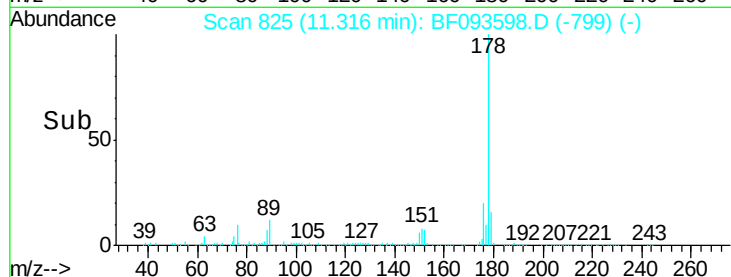
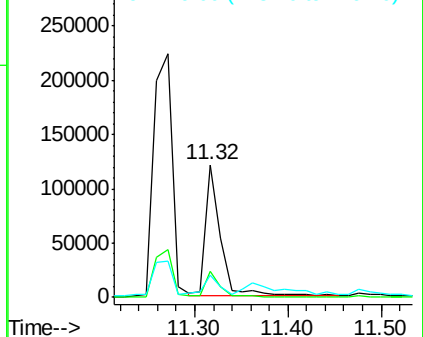


Abundance

Ion 178.00 (177.70 to 178.70): E

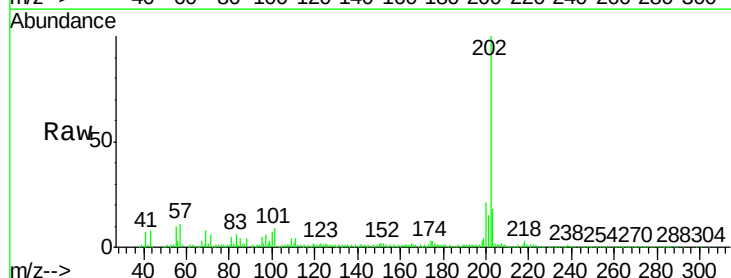
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74
 Fluoranthene
 Concen: 21.24 ng
 RT: 12.46 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: BF093598.D
 Acq: 12 Mar 2017 8:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	34.6
203	17.8	0.0	38.7

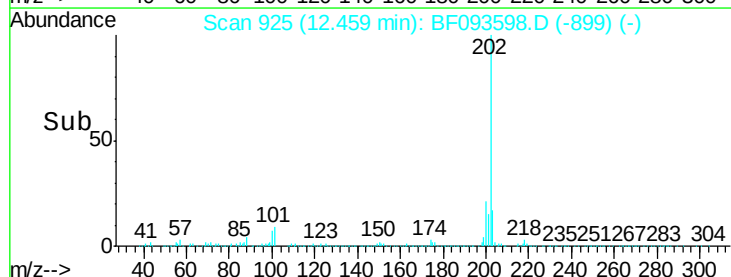
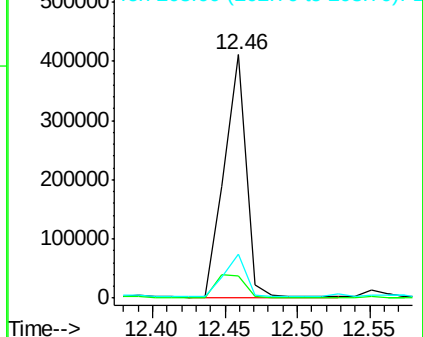


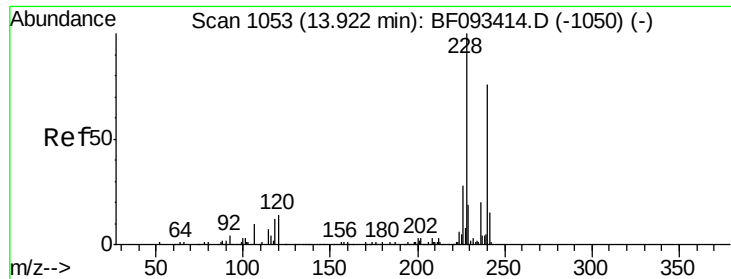
Abundance

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: 13.89 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BF093598.D

Acq: 12 Mar 2017 8:33

Instrument :

BNA_F

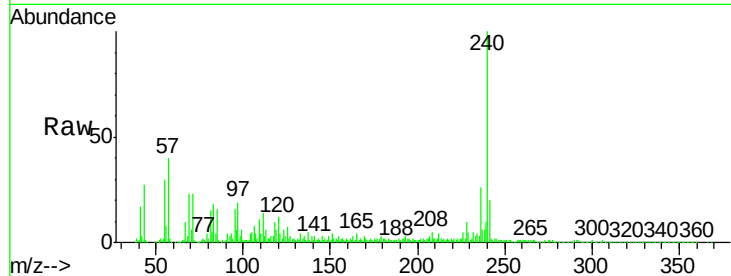
ClientSampleId :

HY-SB413ADL

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	286528		
120	12.1	12.9	19.3#	
236	26.1	20.9	31.3	

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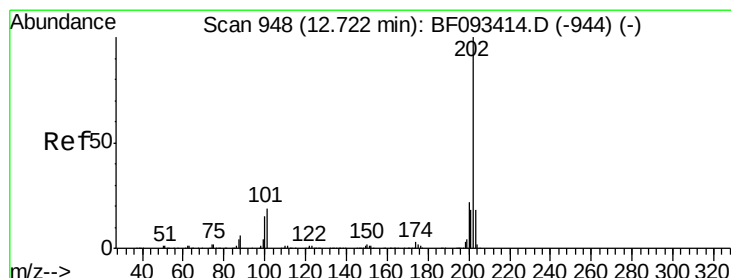
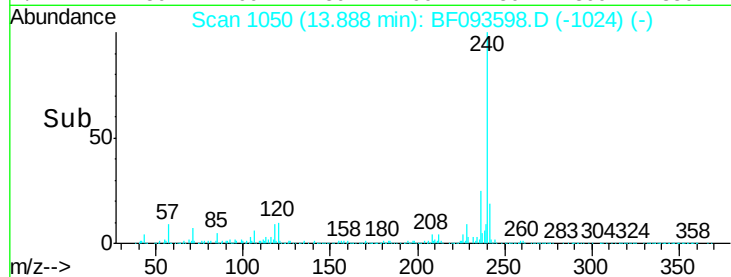
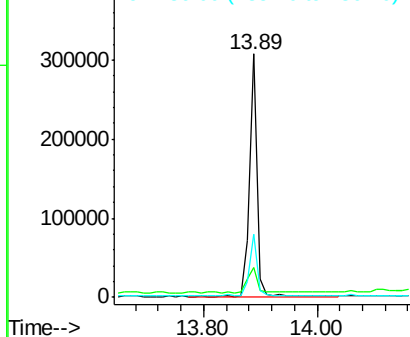
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 16.62 ng

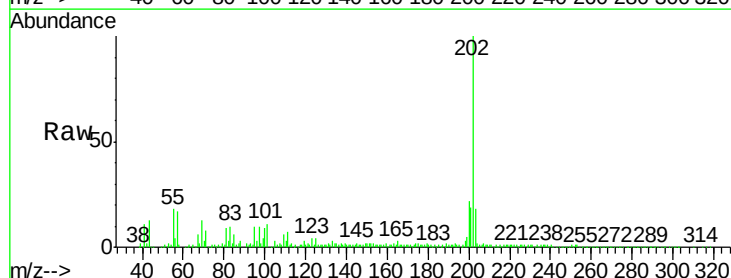
RT: 12.69 min Scan# 945

Delta R.T. 0.01 min

Lab File: BF093598.D

Acq: 12 Mar 2017 8:33

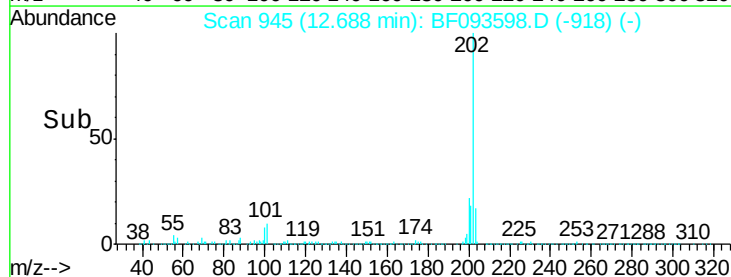
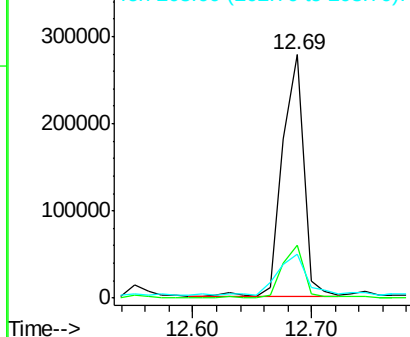
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	346256		
200	21.7	17.7	26.5	
203	18.2	14.7	22.1	

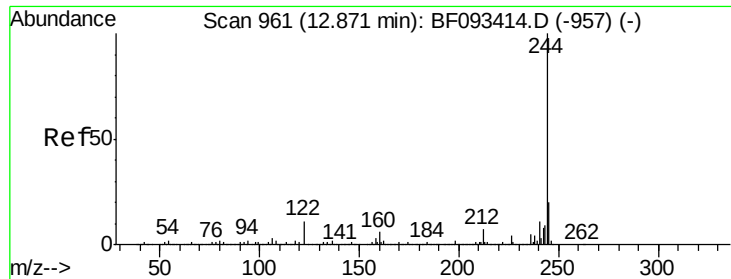


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 3.35 ng

RT: 12.83 min Scan# 957

Delta R.T. 0.00 min

Lab File: BF093598.D

Acq: 12 Mar 2017 8:33

Instrument :

BNA_F

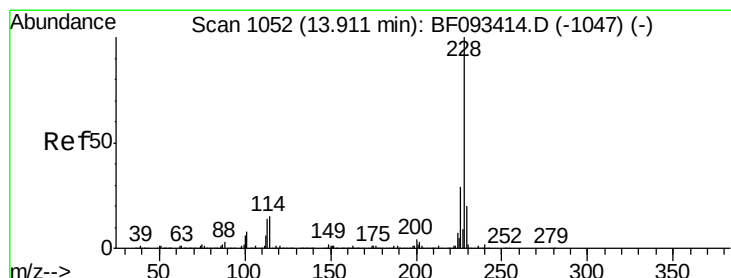
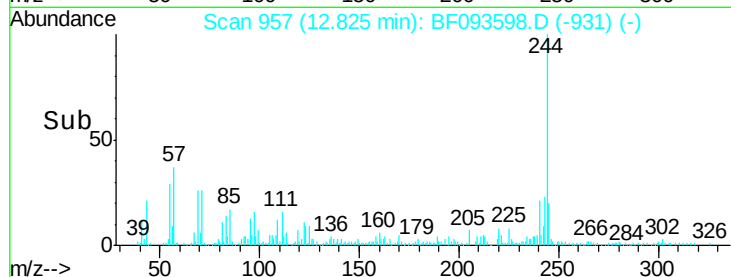
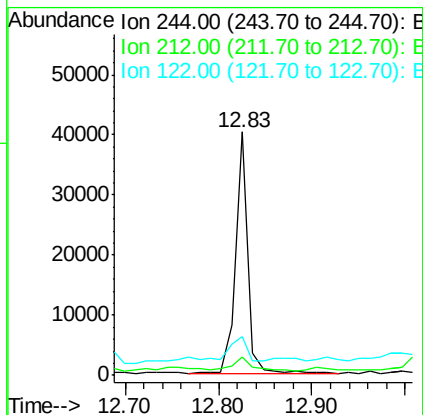
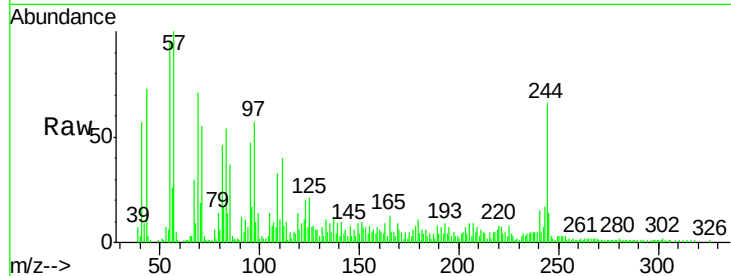
ClientSampleId :

HY-SB413ADL

Tgt Ion:	244	Resp:	36956
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.2	9.2
122	16.2	11.4	17.2

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#80

Benzo(a)anthracene

Concen: 8.28 ng m

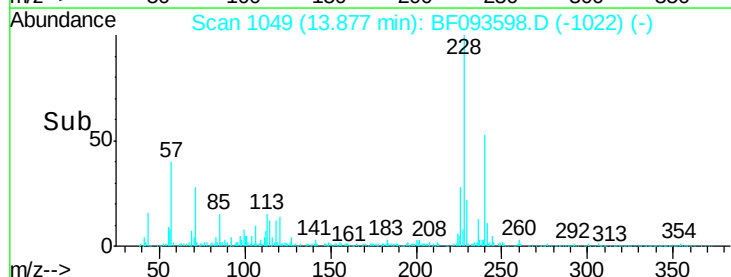
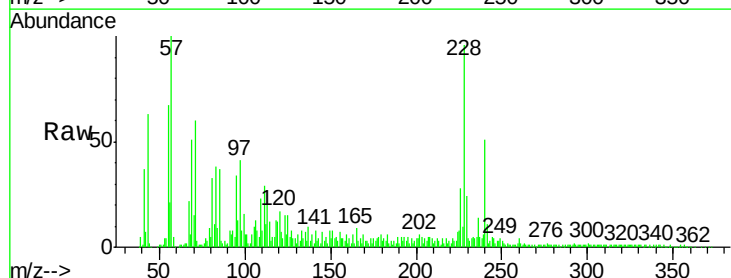
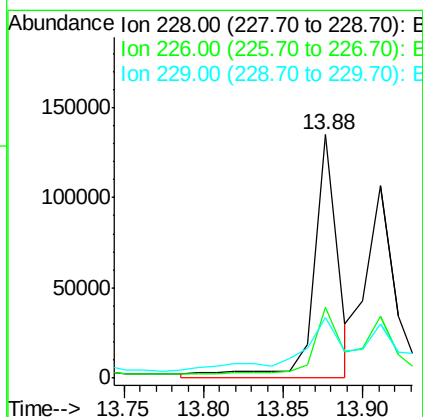
RT: 13.88 min Scan# 1049

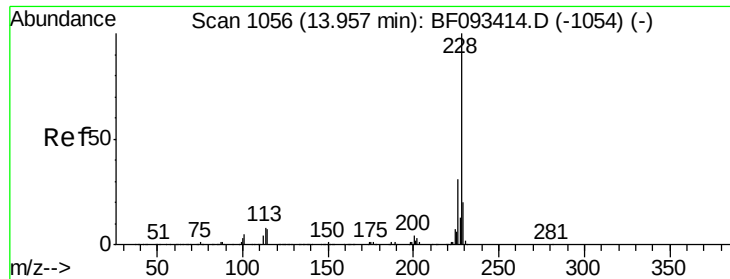
Delta R.T. 0.01 min

Lab File: BF093598.D

Acq: 12 Mar 2017 8:33

Tgt Ion:	228	Resp:	140171
Ion Ratio	Lower	Upper	
228	100		
226	29.0	22.4	33.6
229	24.6	16.2	24.4#





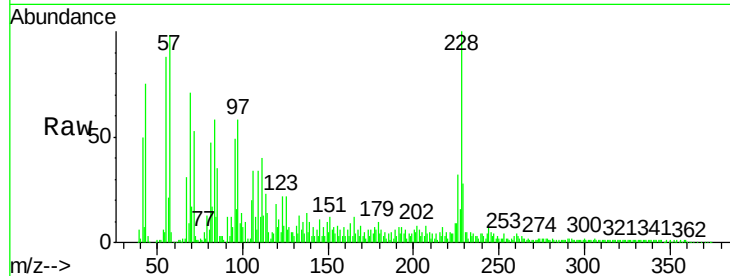
#82
Chrysene
Concen: 8.80 ng m
RT: 13.91 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF093598.D
Acq: 12 Mar 2017 8:33

Instrument :
BNA_F
ClientSampleId :
HY-SB413ADL

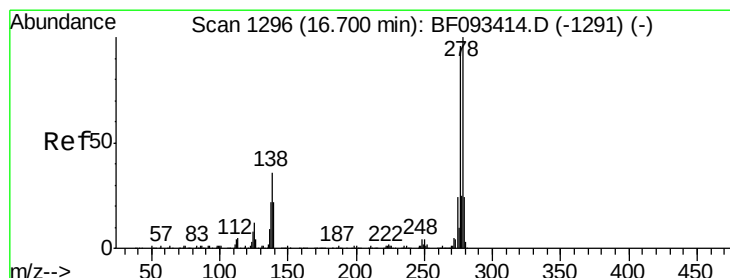
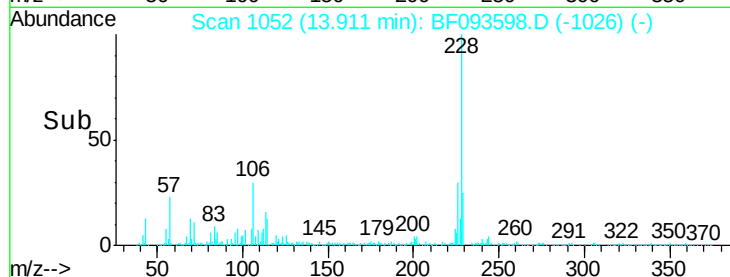
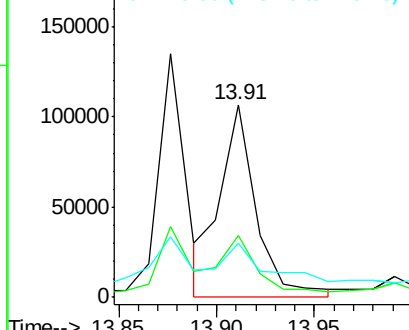
Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	25.4	38.0
229	28.1	16.2	24.2

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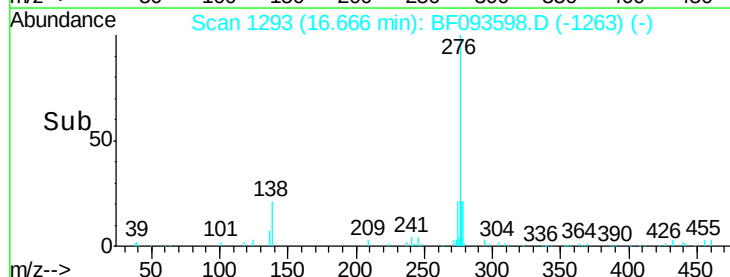
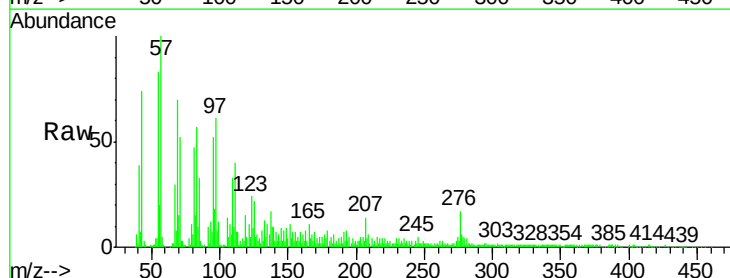
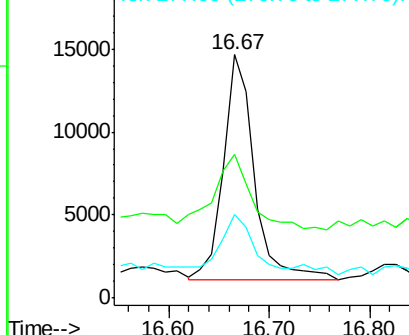
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

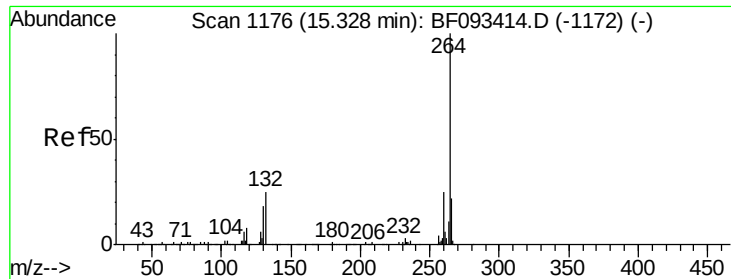


#85
Indeno(1,2,3-cd)pyrene
Concen: 2.20 ng
RT: 16.67 min Scan# 1293
Delta R.T. 0.05 min
Lab File: BF093598.D
Acq: 12 Mar 2017 8:33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	41.0	21.8	32.6
277	22.7	20.2	30.4

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





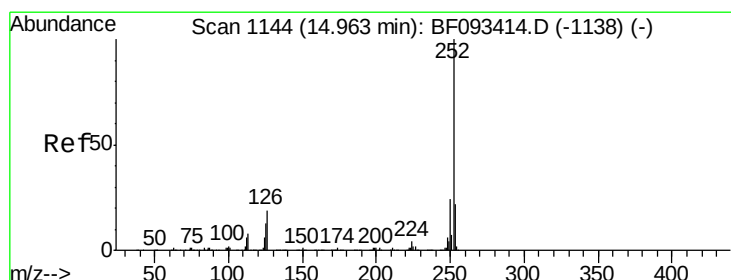
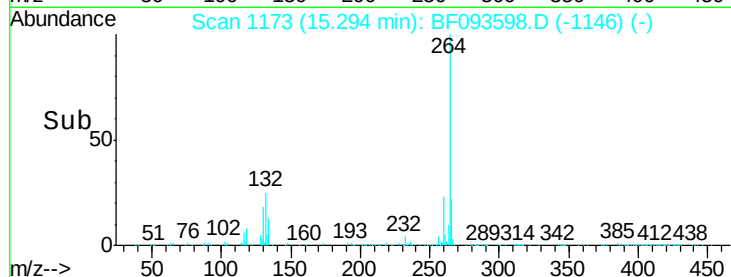
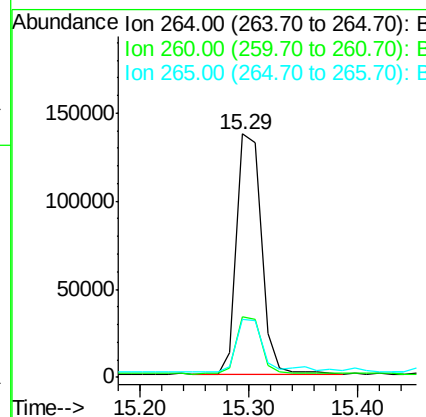
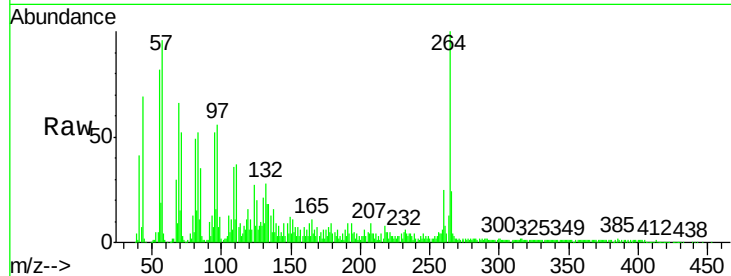
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BF093598.D
Acq: 12 Mar 2017 8:33

Instrument :
BNA_F
ClientSampleId :
HY-SB413ADL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	23.7	17.4	26.0

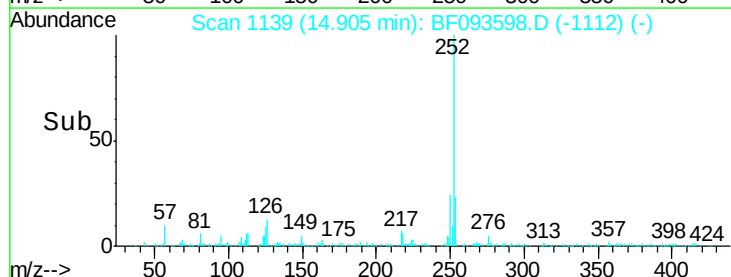
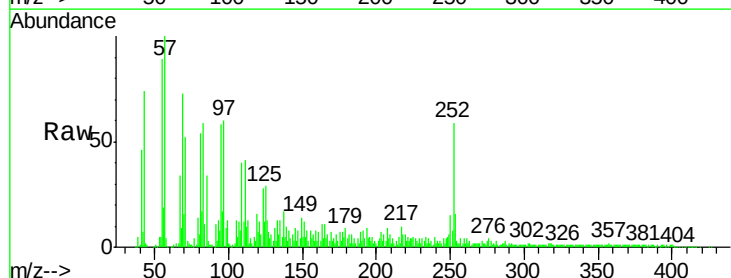
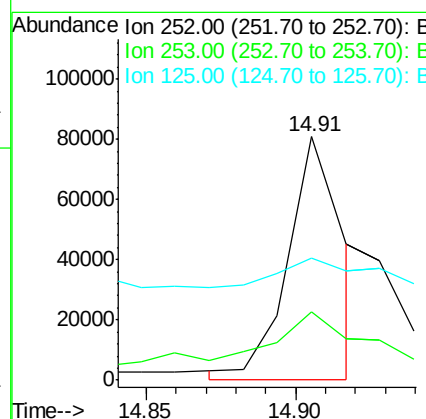
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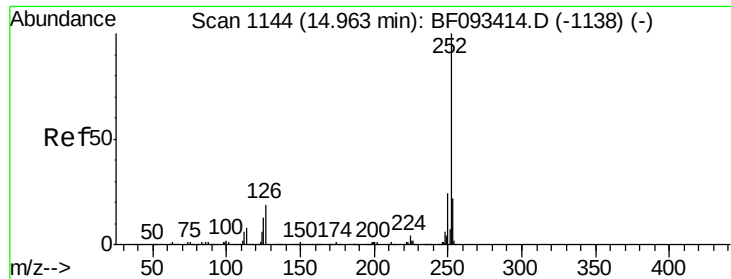
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#87
Benzo(b)fluoranthene
Concen: 7.94 ng m
RT: 14.91 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BF093598.D
Acq: 12 Mar 2017 8:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.2	27.4#
125	50.3	9.8	14.6#





#88

Benzo(k)fluoranthene

Concen: 3.74 ng m

RT: 14.92 min Scan# 1140

Delta R.T. 0.00 min

Lab File: BF093598.D

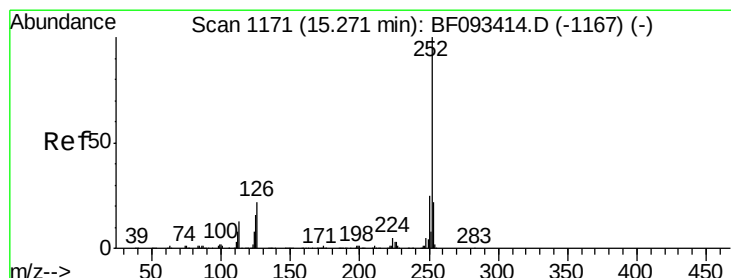
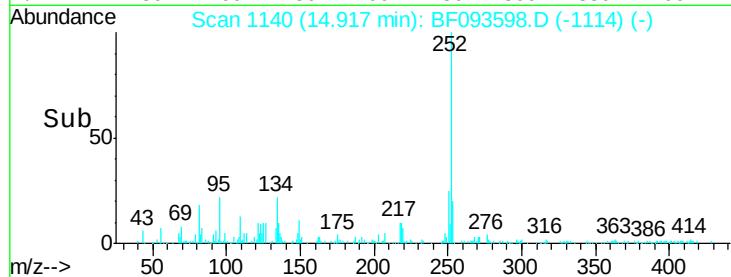
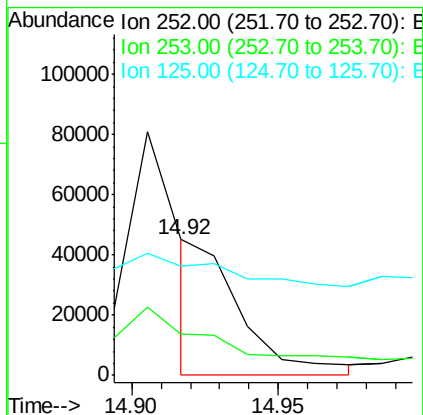
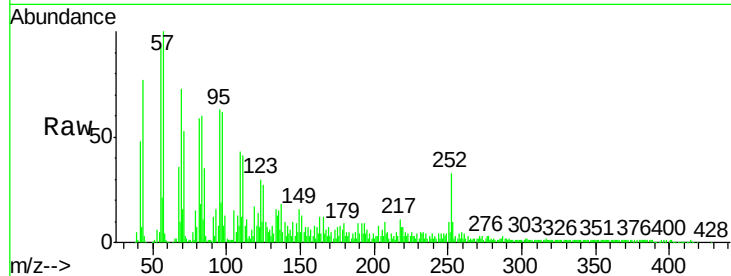
Acq: 12 Mar 2017 8:33

Instrument :
BNA_F
ClientSampleId :
HY-SB413ADL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.6	18.5	27.7#
125	80.4	8.9	13.3#

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#89

Benzo(a)pyrene

Concen: 4.40 ng

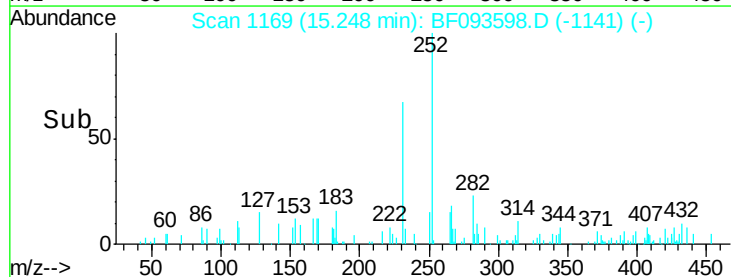
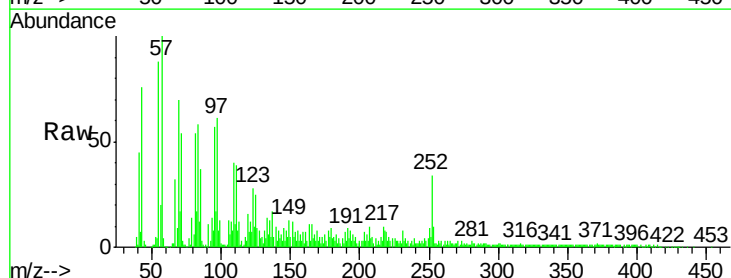
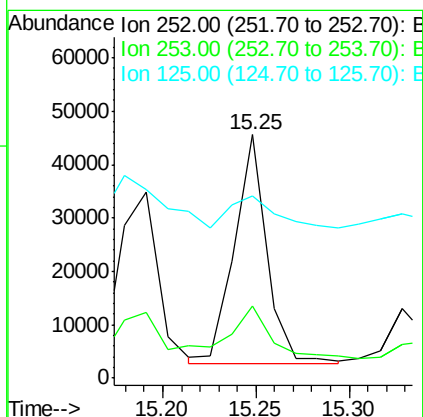
RT: 15.25 min Scan# 1169

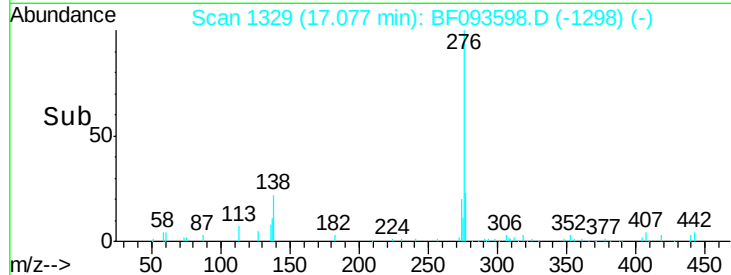
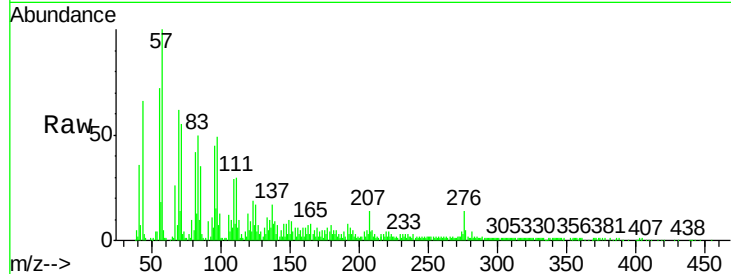
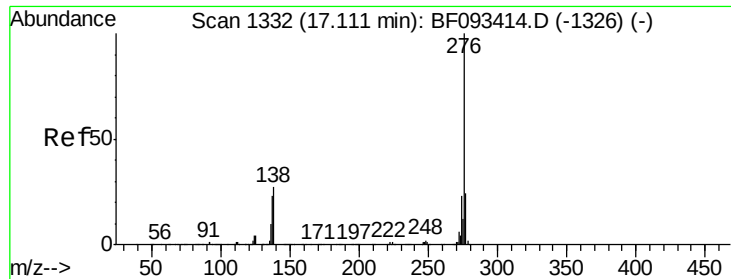
Delta R.T. 0.02 min

Lab File: BF093598.D

Acq: 12 Mar 2017 8:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.6	18.2	27.2#
125	75.0	10.0	15.0#





#91
Benzo(g,h,i)perylene
Concen: 2.29 ng
RT: 17.08 min Scan# 1329
Delta R.T. 0.06 min
Lab File: BF093598.D
Acq: 12 Mar 2017 8:33

Instrument :
BNA_F
ClientSampleId :
HY-SB413ADL

Tgt Ion	Ratio	Lower	Upper
276	100		
277	35.1	19.2	28.8#
138	59.2	16.0	24.0#

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