

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033117\
 Data File : BF094108.D
 Acq On : 31 Mar 2017 20:48
 Operator : SJ/MA
 Sample : I2463-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-S-R-11-12-BASE

Manual Integrations
 APPROVED

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 4/3/2017 3:26:22 PM

Quant Time: Apr 01 00:34:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.90	152	177715	20.00	ng	0.00
21) Naphthalene-d8	7.40	136	710011	20.00	ng	-0.01
38) Acenaphthene-d10	9.54	164	305863	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	502890	20.00	ng	-0.01
75) Chrysene-d12	14.62	240	327990	20.00	ng	0.00
86) Perylene-d12	16.25	264	302492	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.44	112	1126237	107.04	ng	0.00
7) Phenol-d6	5.50	99	1447171	111.18	ng	0.00
23) Nitrobenzene-d5	6.55	82	881167	70.83	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	276360	114.34	ng	0.00
44) 2-Fluorobiphenyl	8.73	172	1380861	68.86	ng	0.00
78) Terphenyl-d14	13.34	244	859855	58.76	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.43	128	88083	2.58	ng	99
48) Acenaphthylene	9.36	152	103190	3.22	ng	98
49) Dimethylphthalate	9.22	163	93179	4.29	ng	100
70) Phenanthrene	11.39	178	253635	9.07	ng	98
71) Anthracene	11.46	178	84783	2.94	ng	96
74) Fluoranthene	12.86	202	582161	20.32	ng	99
77) Pyrene	13.13	202	807382	33.92	ng	99
80) Benzo(a)anthracene	14.60	228	301077m	15.74	ng	
82) Chrysene	14.65	228	312787m	17.62	ng	
85) Indeno(1,2,3-cd)pyrene	17.60	276	237728	15.47	ng	95
87) Benzo(b)fluoranthene	15.84	252	460205m	24.82	ng	
88) Benzo(k)fluoranthene	15.87	252	124260m	6.85	ng	
89) Benzo(a)pyrene	16.19	252	364746	21.36	ng	99
90) Dibenzo(a,h)anthracene	17.61	278	49585	3.43	ng	97
91) Benzo(a,h,i)perylene	18.00	276	289735	19.88	ng	97

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

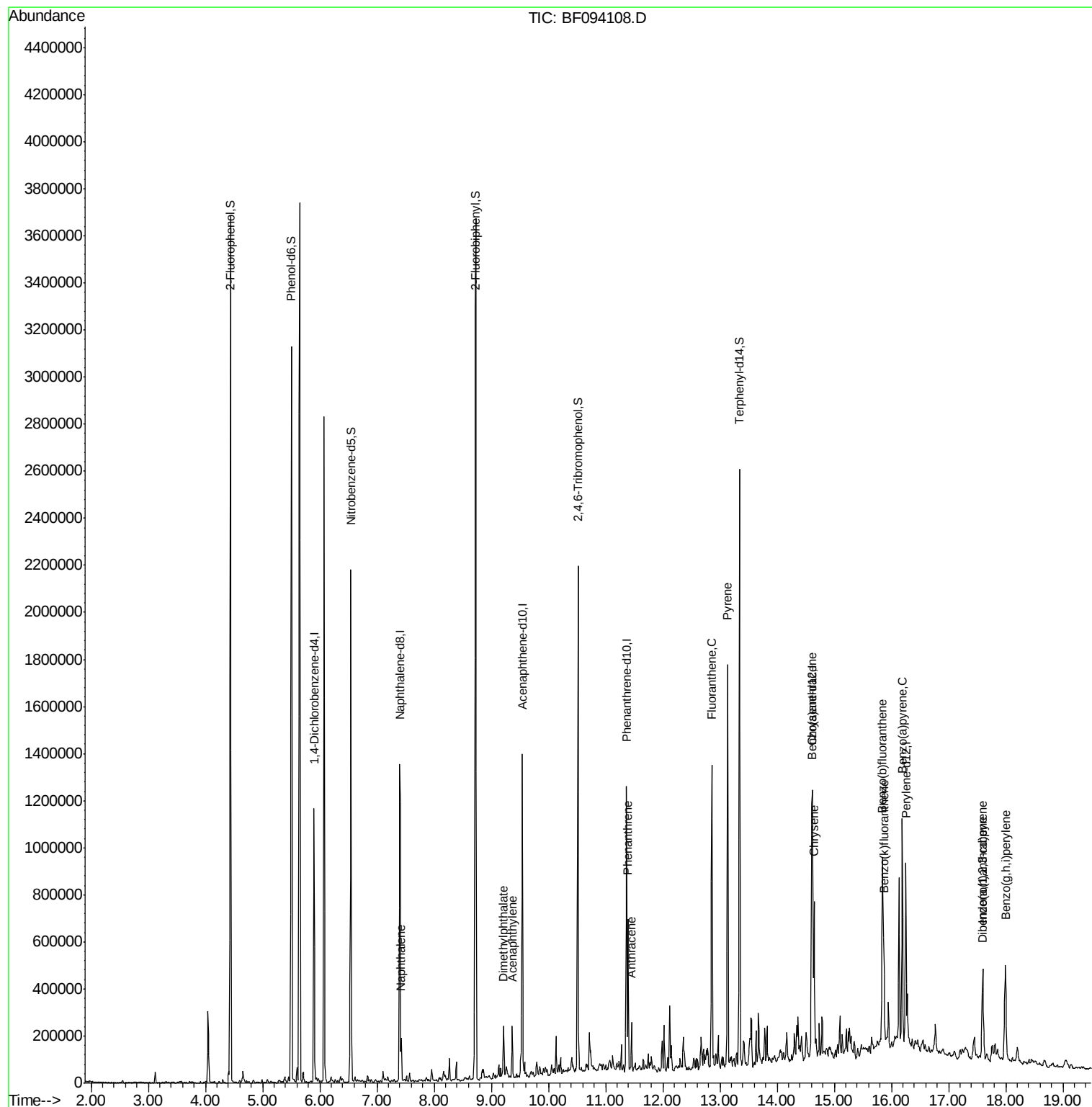
Data Path : Z:\HPCHEM1\BNA F\DATA\BF033117\
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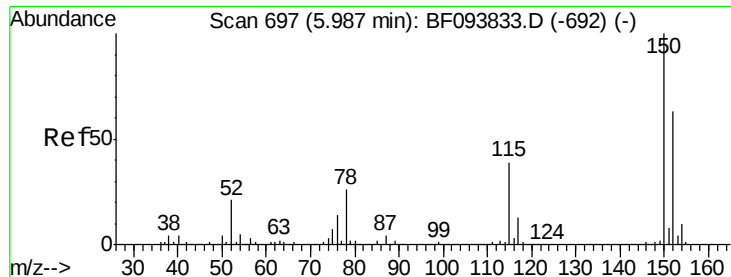
Instrument :
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#1

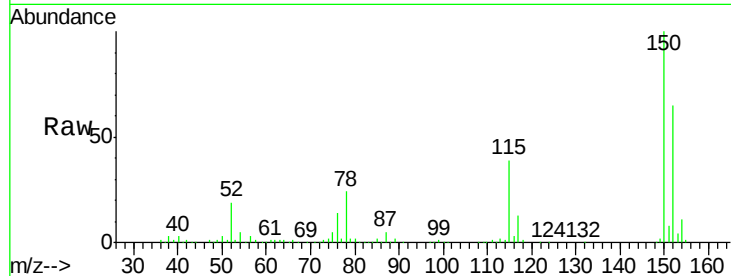
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.90 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Instrument :
BNA_F
ClientSampleId :
E2-S-R-11-12-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	126.2	189.2
115	60.1	52.2	78.2

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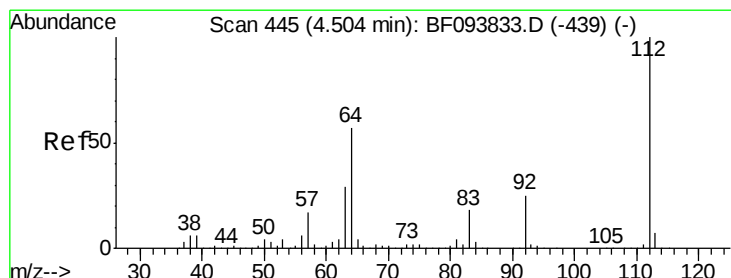
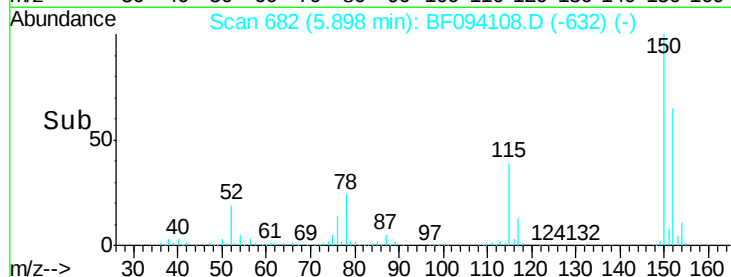
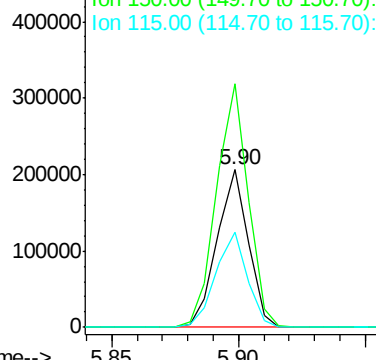


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

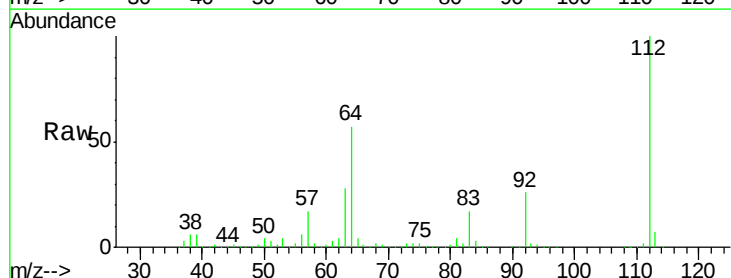
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 107.04 ng
RT: 4.44 min Scan# 434
Delta R.T. 0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	46.0	69.0
63	28.5	23.4	35.0

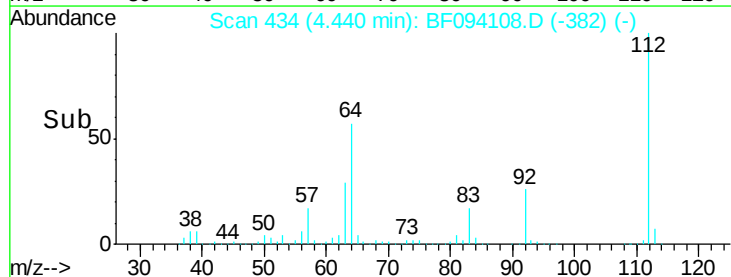
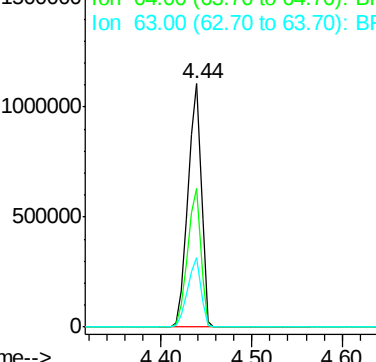


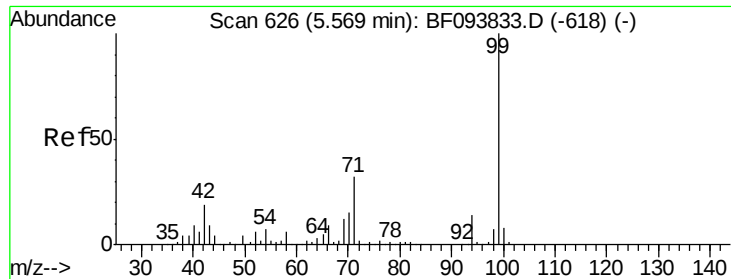
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 111.18 ng

RT: 5.50 min Scan# 615

Delta R.T. -0.01 min

Lab File: BF094108.D

Acq: 31 Mar 2017 20:48

Instrument :

BNA_F

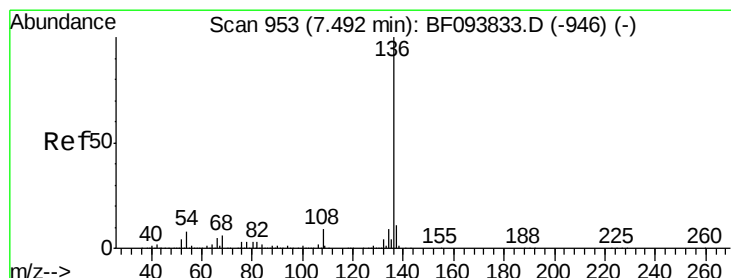
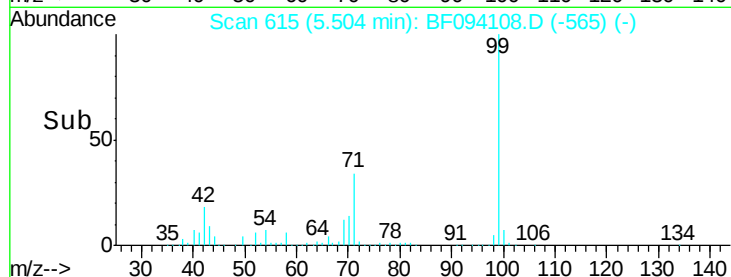
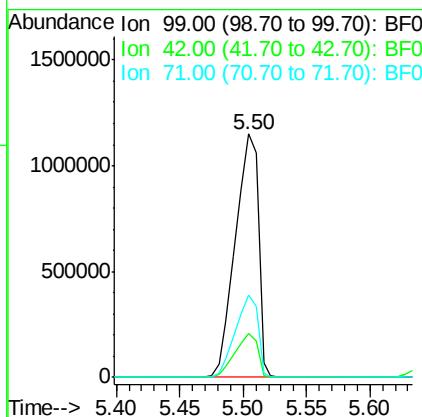
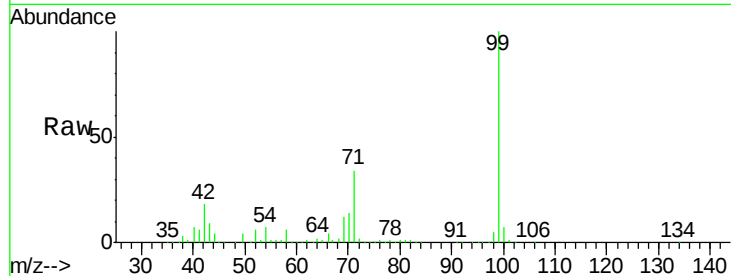
ClientSampleId :

E2-S-R-11-12-BASE

Tot Ion:	99	Resp:	1447171
Ion	Ratio	Lower	Upper
99	100		
42	18.1	13.5	20.3
71	34.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

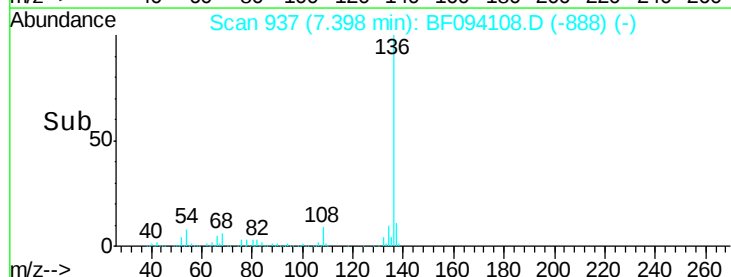
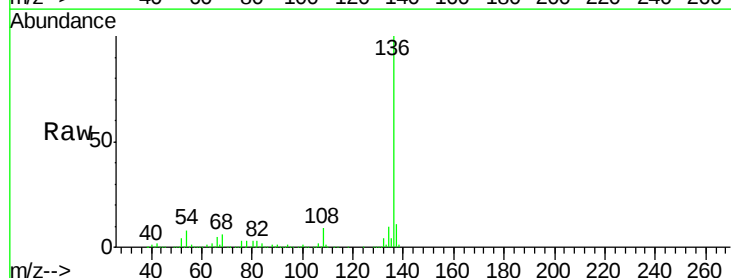
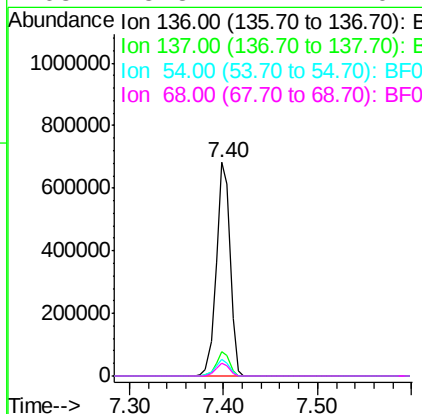
RT: 7.40 min Scan# 937

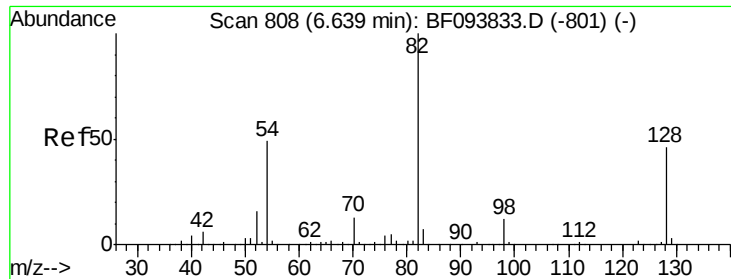
Delta R.T. -0.01 min

Lab File: BF094108.D

Acq: 31 Mar 2017 20:48

Tgt Ion:	136	Resp:	710011
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	7.6	4.9	7.3#
68	5.8	4.1	6.1





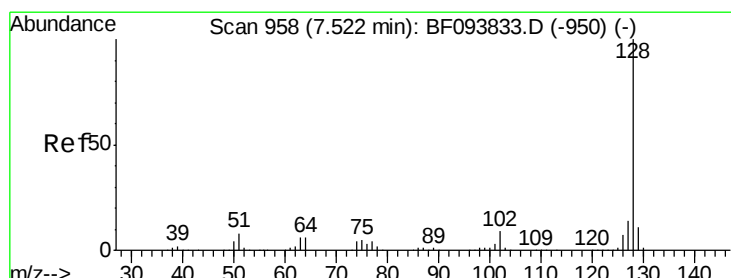
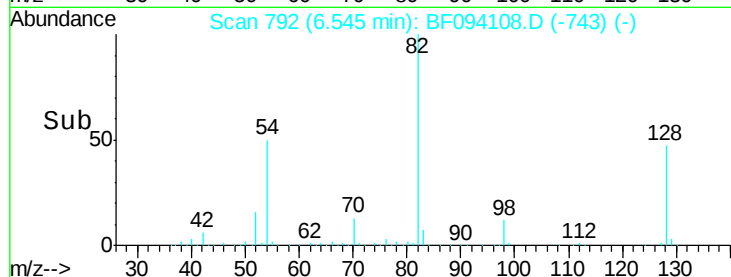
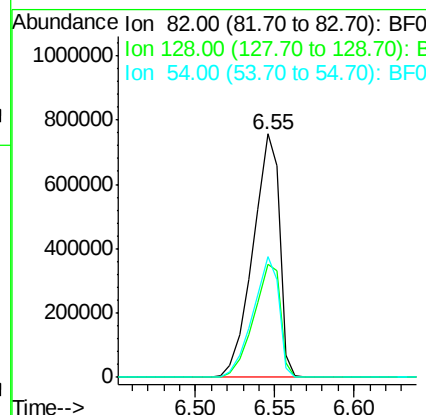
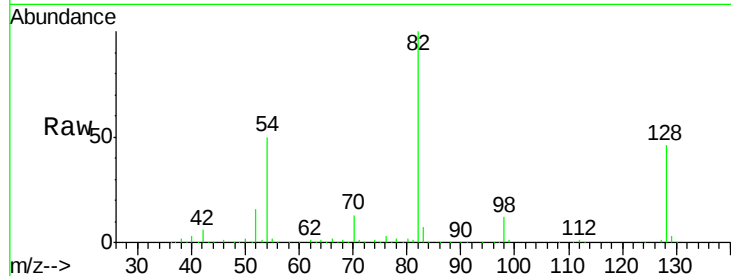
#23
Nitrobenzene-d5
Concen: 70.83 ng
RT: 6.55 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Instrument :
BNA_F
ClientSampleId :
E2-S-R-11-12-BASE

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.5	34.0	51.0
54	49.8	42.2	63.2

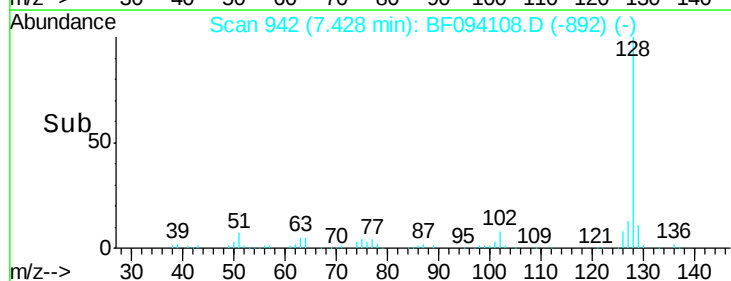
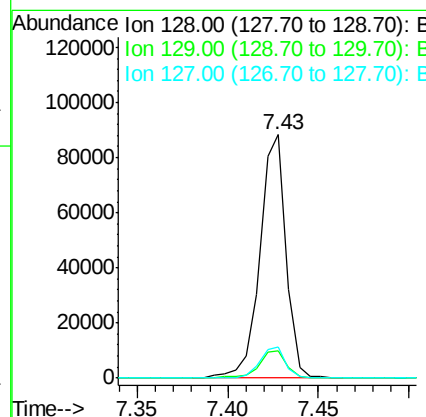
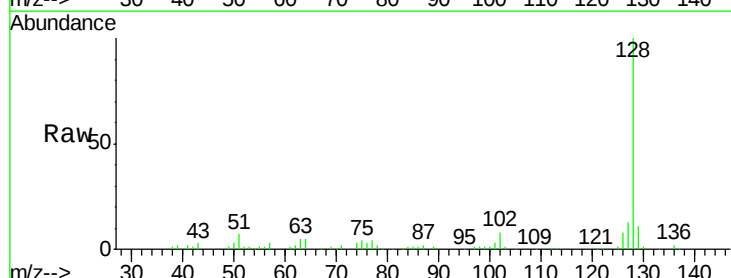
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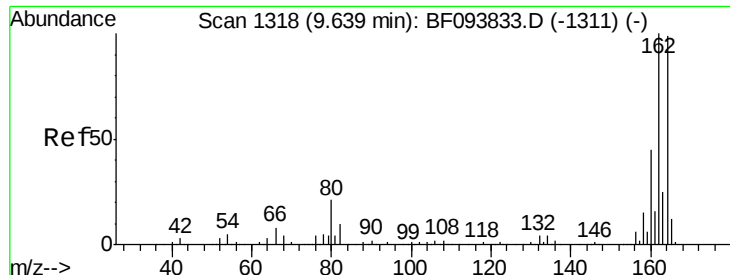
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#31
Naphthalene
Concen: 2.58 ng
RT: 7.43 min Scan# 942
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	12.7	10.8	16.2





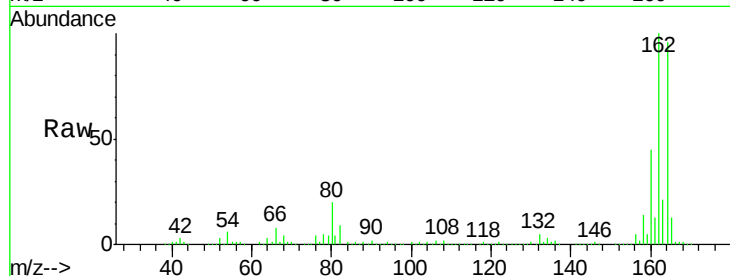
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.54 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Instrument :
BNA_F
ClientSampleId :
E2-S-R-11-12-BASE

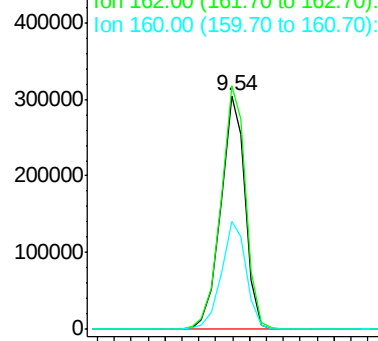
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.2	82.6	123.8	
160	46.4	36.2	54.2	

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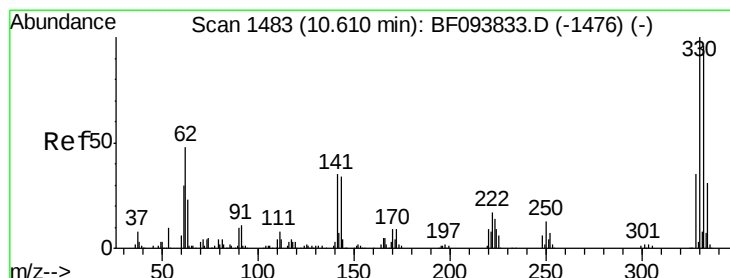
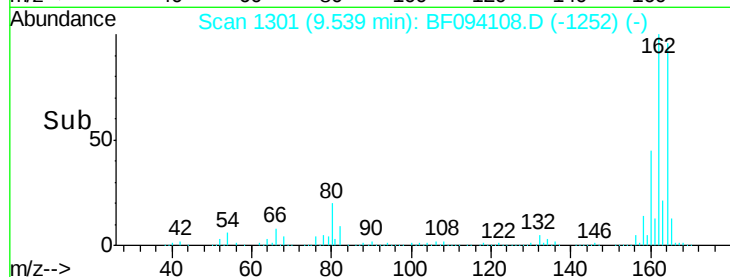
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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

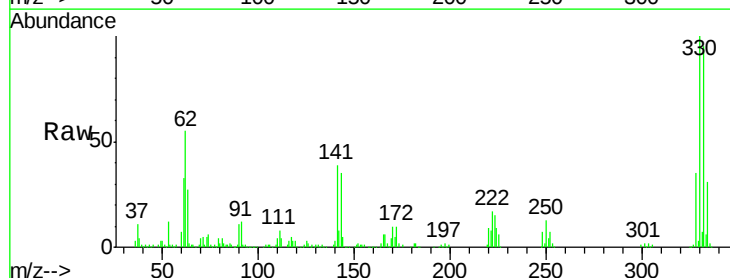


Time-->

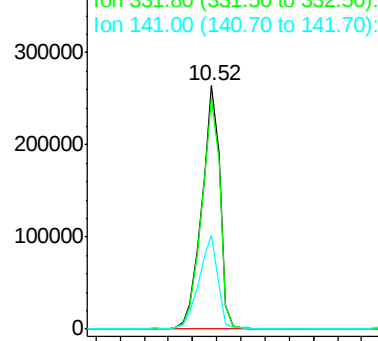


#41
2,4,6-Tribromophenol
Concen: 114.34 ng
RT: 10.52 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

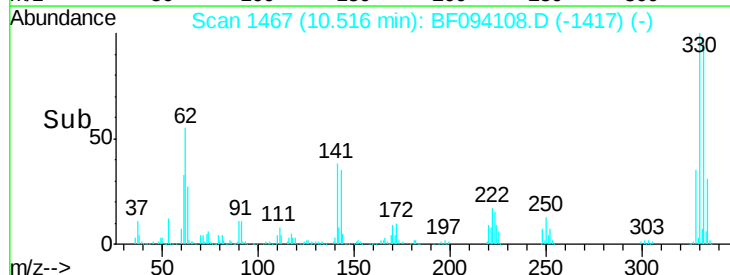
Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.0	76.6	115.0	
141	38.5	31.4	47.2	

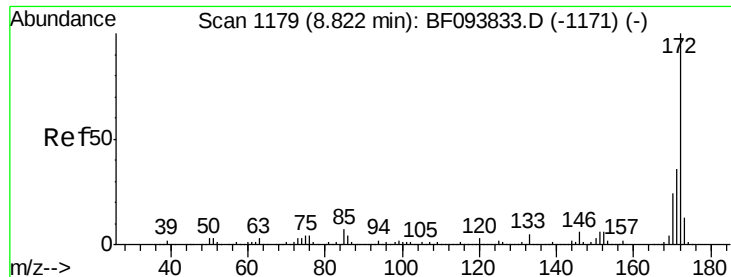


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



Time-->





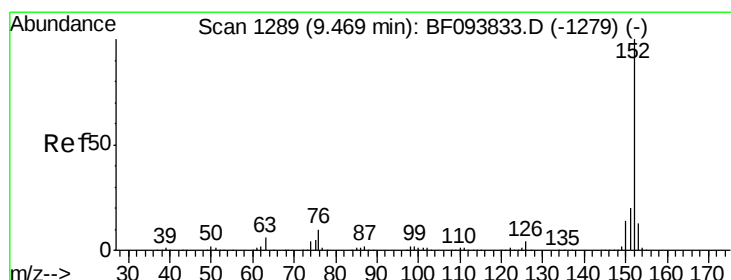
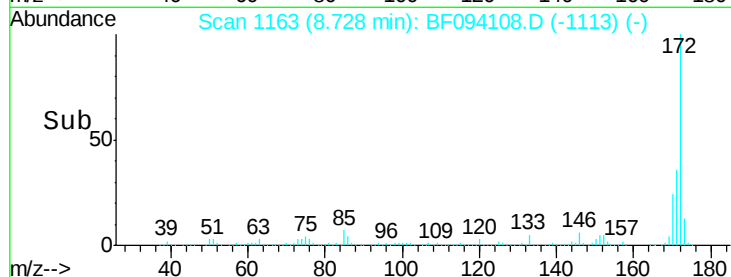
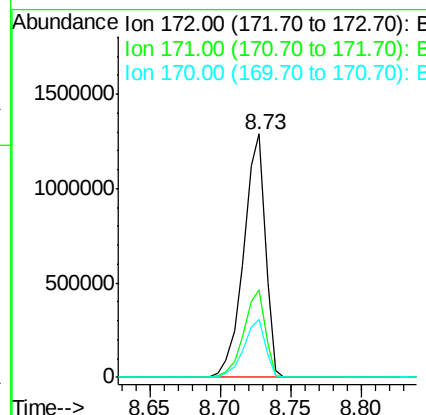
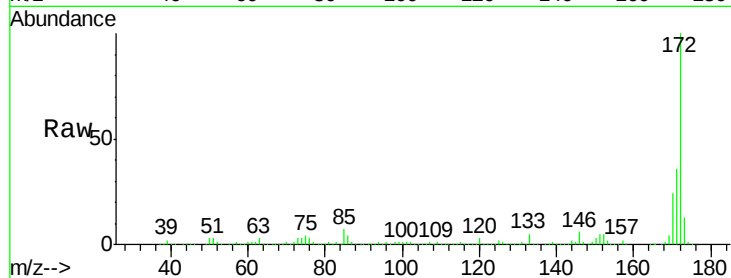
#44
2-Fluorobiphenyl
Concen: 68.86 ng
RT: 8.73 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Instrument :
BNA_F
ClientSampleId :
E2-S-R-11-12-BASE

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.6	19.8	29.8

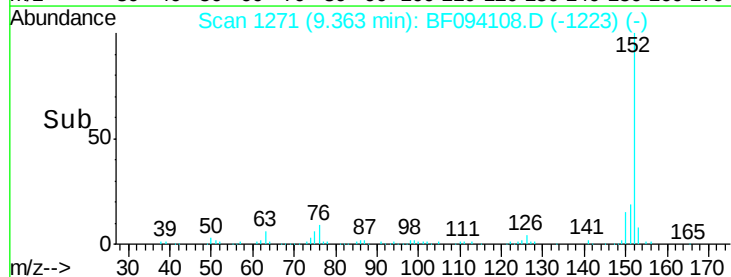
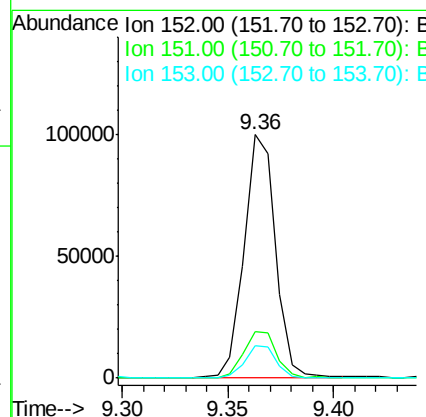
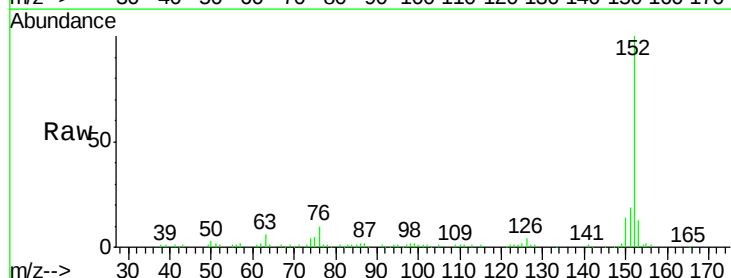
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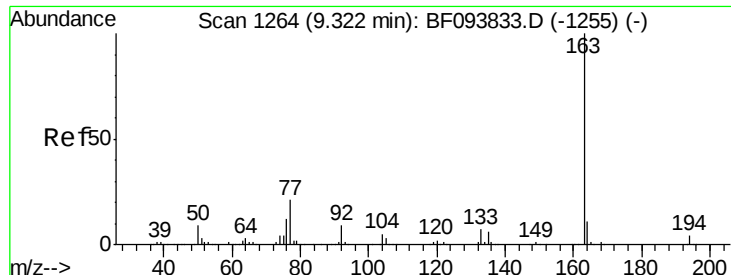
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#48
Acenaphthylene
Concen: 3.22 ng
RT: 9.36 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.8	25.2
153	13.3	10.8	16.2





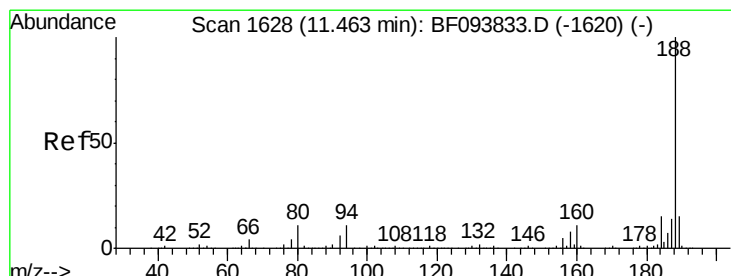
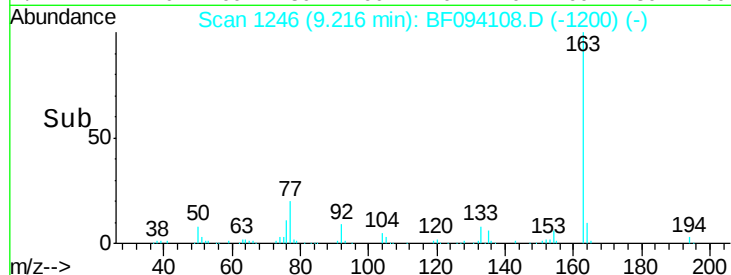
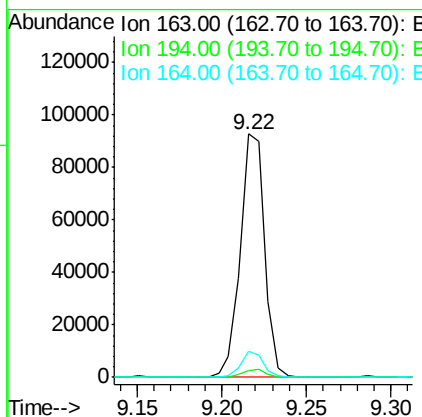
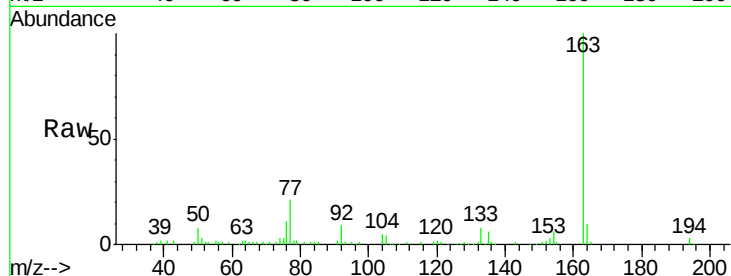
#49
Dimethylphthalate
Concen: 4.29 ng
RT: 9.22 min Scan# 1246
Delta R.T. -0.03 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Instrument :
BNA_F
ClientSampleId :
E2-S-R-11-12-BASE

Tot Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	4.0
164	10.5	8.4	12.6

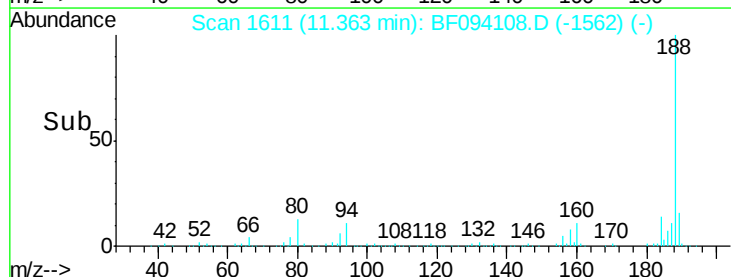
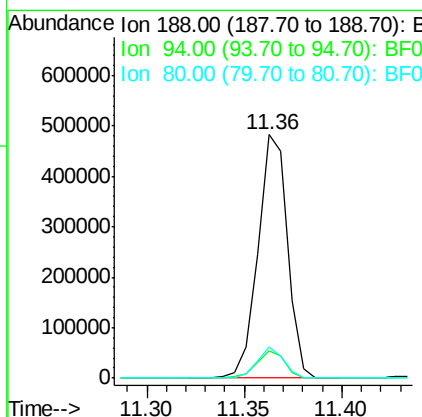
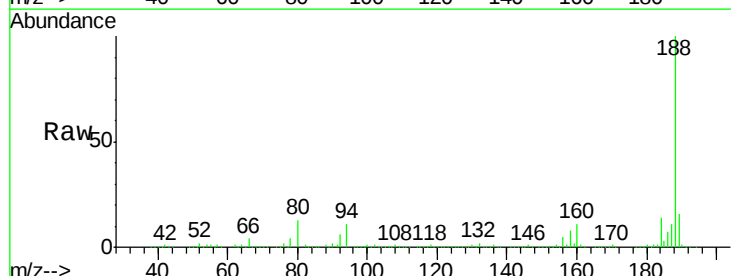
Manual Integrations
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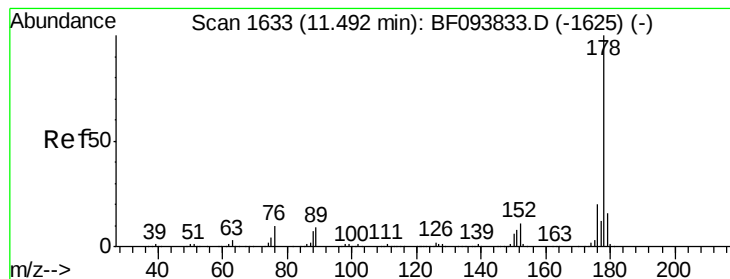
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.4	14.2
80	12.7	10.2	15.2





#70

Phenanthrene

Concen: 9.07 ng

RT: 11.39 min Scan# 1616

Delta R.T. -0.01 min

Lab File: BF094108.D

Acq: 31 Mar 2017 20:48

Instrument :

BNA_F

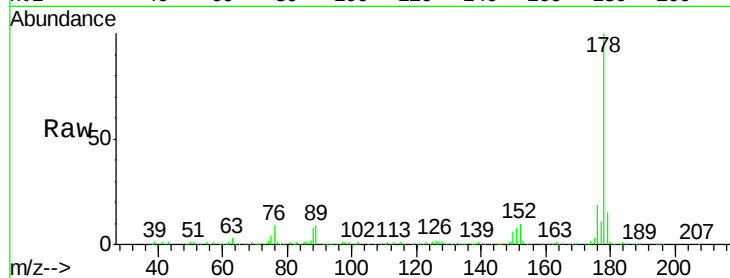
ClientSampleId :

E2-S-R-11-12-BASE

Tot Ion:	178	Resp:	253635
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.2	24.4
179	15.0	12.6	19.0

Manual Integrations
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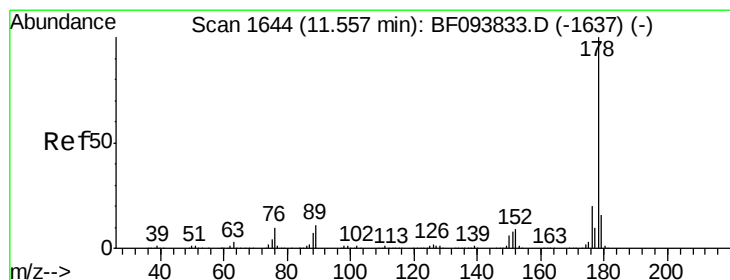
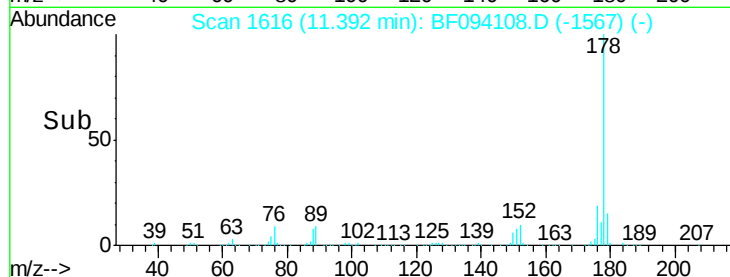
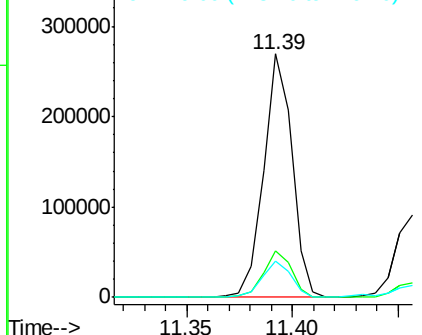
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.94 ng

RT: 11.46 min Scan# 1627

Delta R.T. -0.01 min

Lab File: BF094108.D

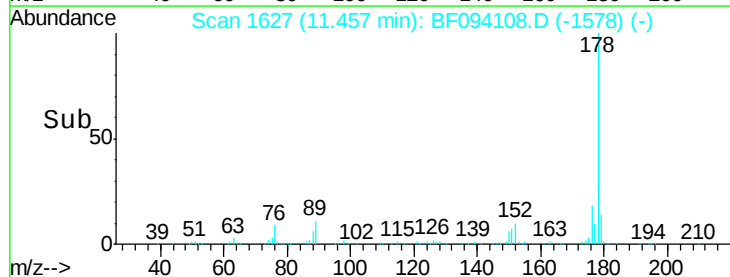
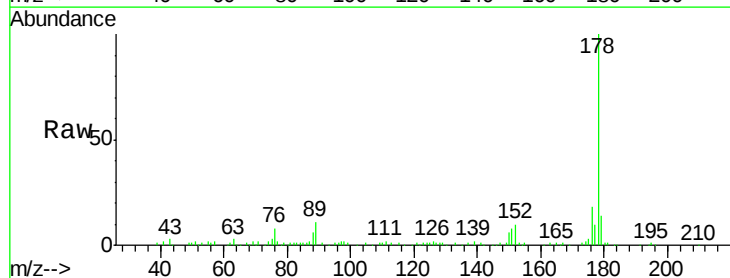
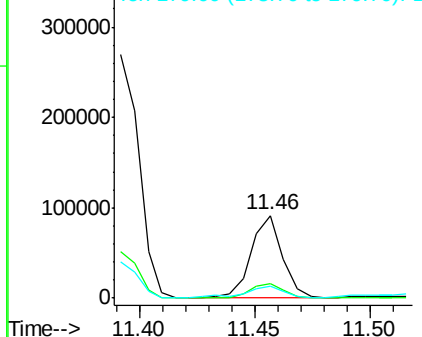
Acq: 31 Mar 2017 20:48

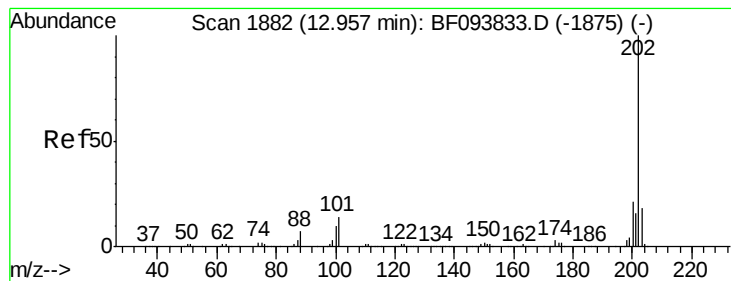
Tgt Ion:	178	Resp:	84783
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.8	23.8
179	13.9	12.7	19.1

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: 20.32 ng

RT: 12.86 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF094108.D

Acq: 31 Mar 2017 20:48

Instrument :

BNA_F

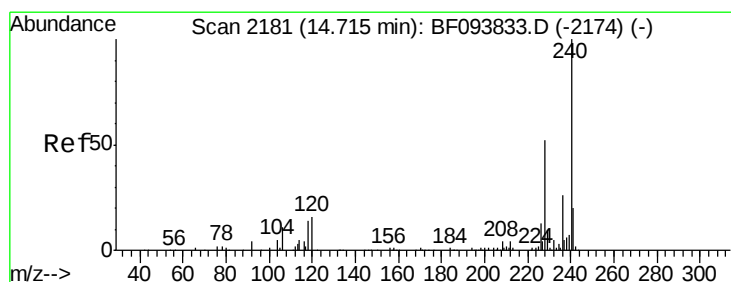
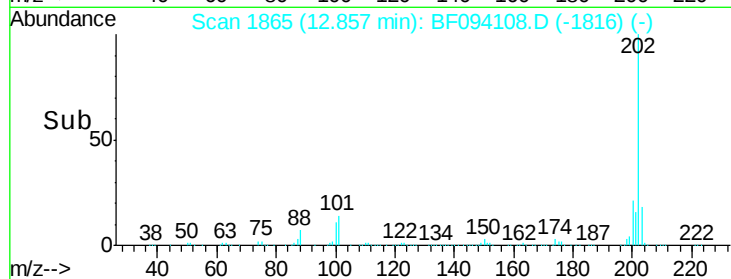
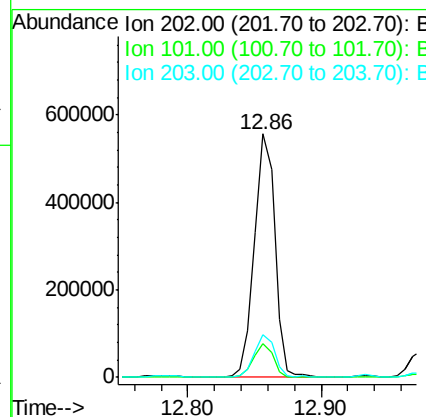
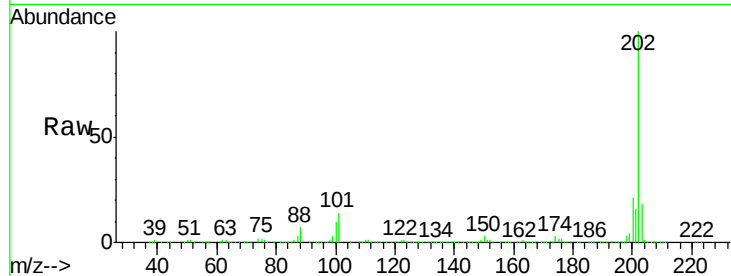
ClientSampleId :

E2-S-R-11-12-BASE

Tot Ion	Ratio	Resp	Lower	Upper
202	100	582161		
101	13.7	0.0	33.2	
203	17.6	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.00 ng

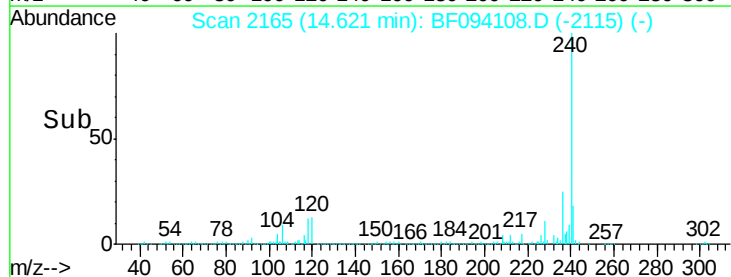
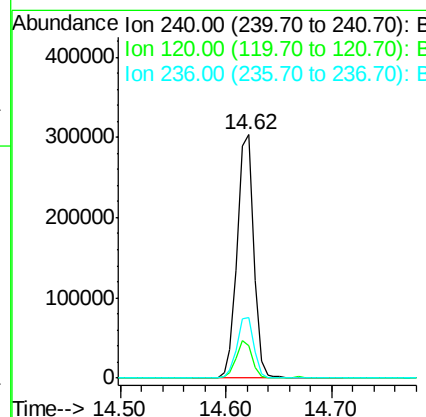
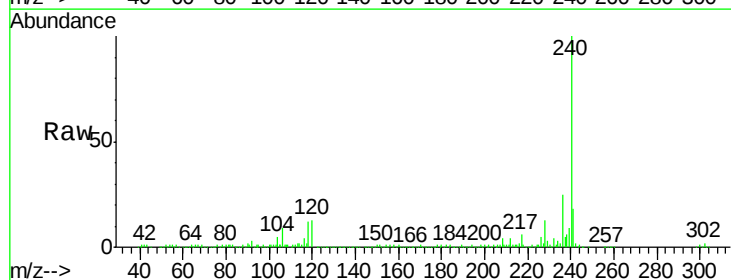
RT: 14.62 min Scan# 2165

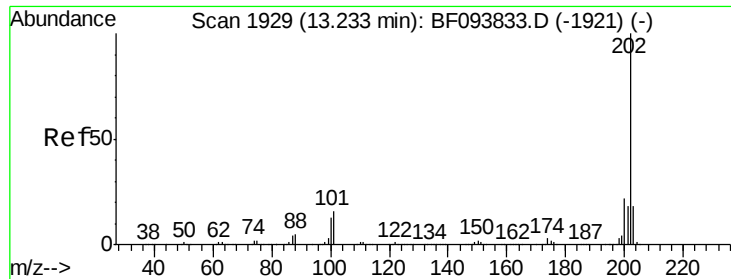
Delta R.T. -0.01 min

Lab File: BF094108.D

Acq: 31 Mar 2017 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	327990		
120	13.1	5.8	8.8#	
236	25.1	20.5	30.7	





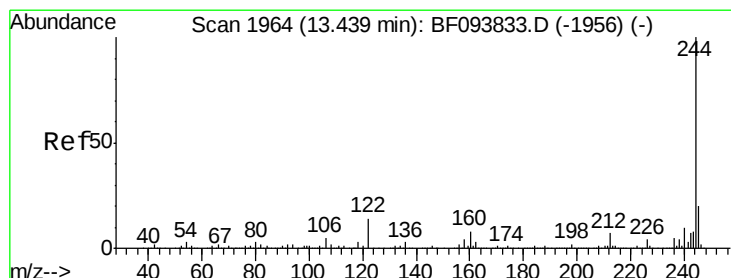
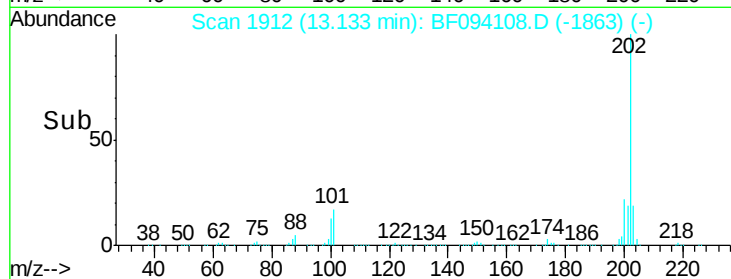
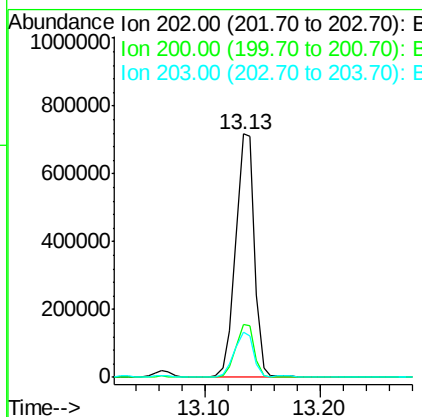
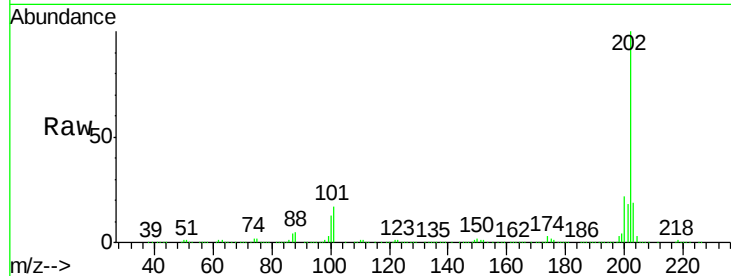
#77
Pvrene
Concen: 33.92 ng
RT: 13.13 min Scan# 1912
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Instrument :
BNA_F
ClientSampleId :
E2-S-R-11-12-BASE

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.6	26.4
203	18.7	14.4	21.6

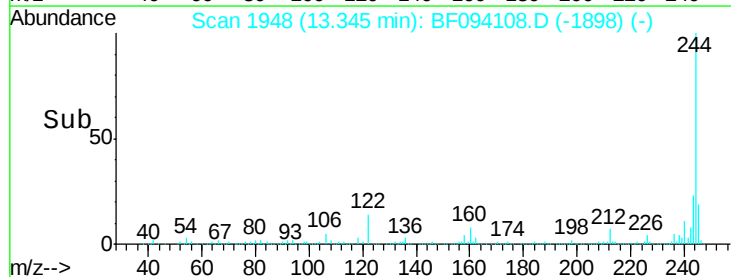
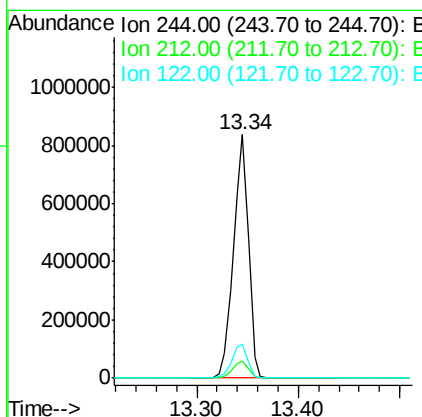
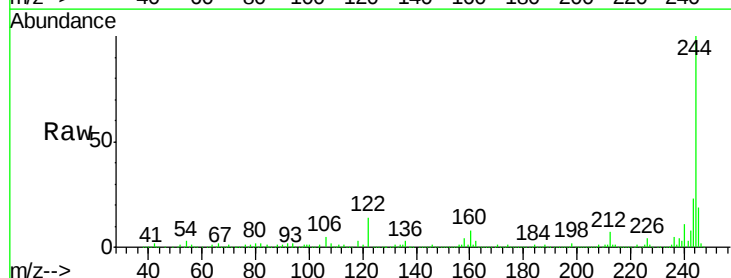
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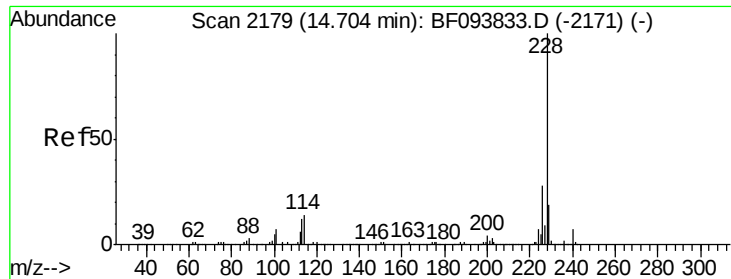
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#78
Terphenyl-d14
Concen: 58.76 ng
RT: 13.34 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	14.1	10.3	15.5





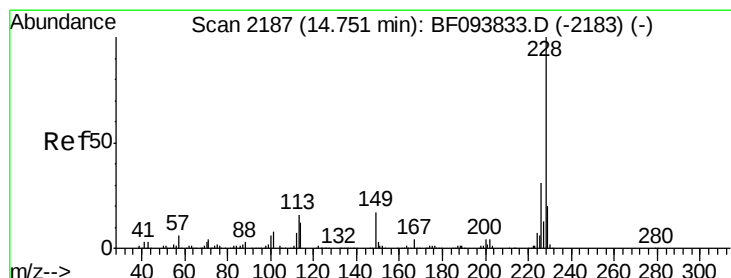
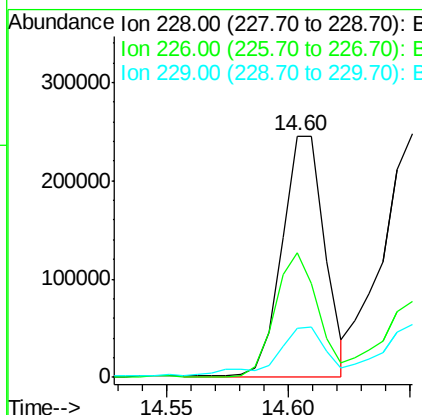
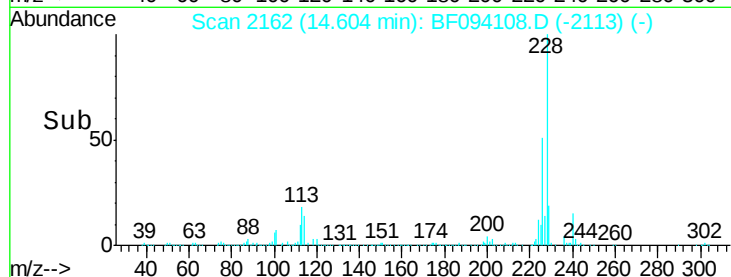
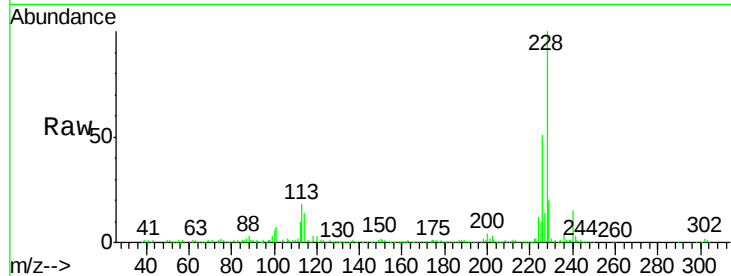
#80
Benzo(a)anthracene
Concen: 15.74 ng m
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Instrument :
BNA_F
ClientSampleId :
E2-S-R-11-12-BASE

Tot Ion	Ratio	Lower	Upper
228	100		
226	51.5	22.6	33.8#
229	20.3	16.3	24.5

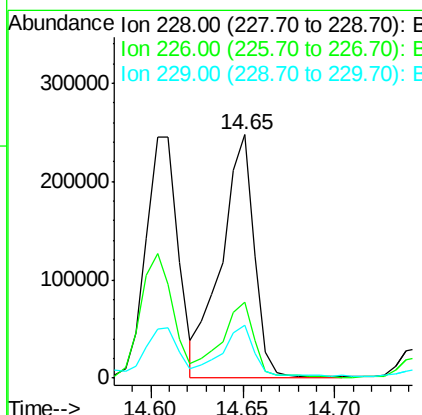
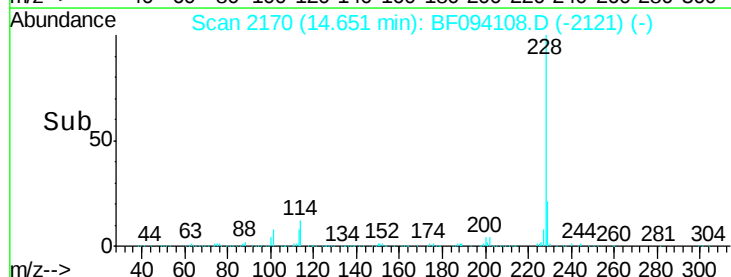
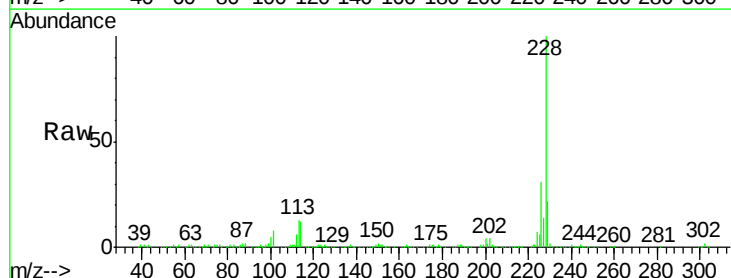
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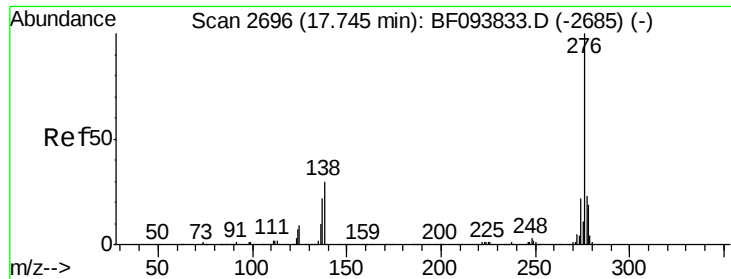
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#82
Chrysene
Concen: 17.62 ng m
RT: 14.65 min Scan# 2170
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.9	37.3
229	21.6	15.8	23.6





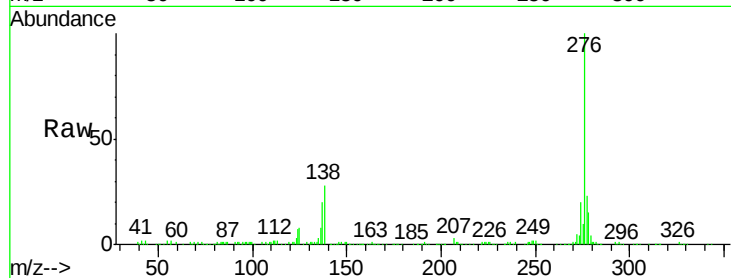
#85
Indeno(1,2,3-cd)pyrene
Concen: 15.47 ng
RT: 17.60 min Scan# 2671
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Instrument :
BNA_F
ClientSampleId :
E2-S-R-11-12-BASE

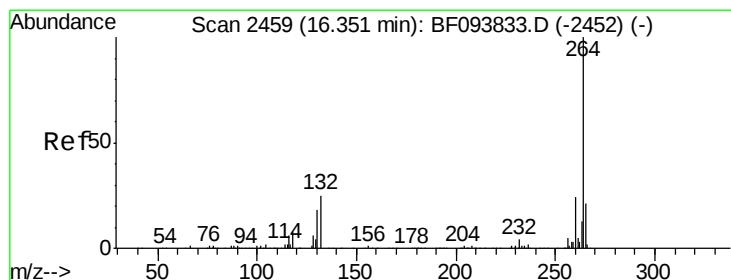
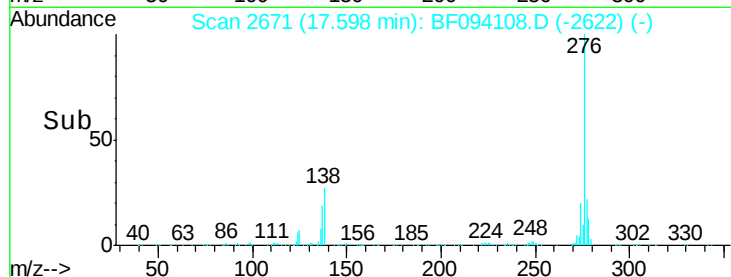
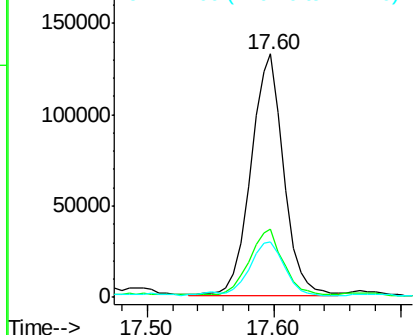
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.9	27.8	41.6
277	25.2	20.2	30.4

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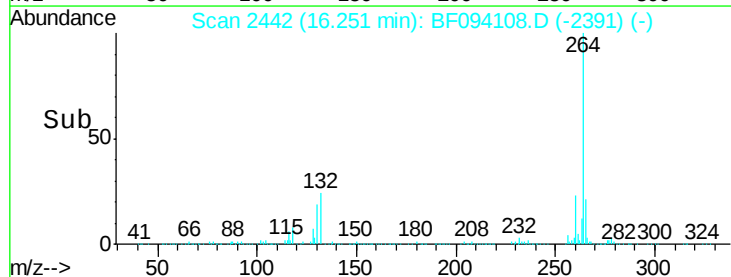
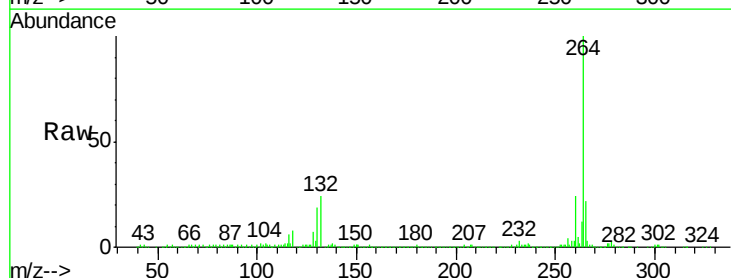
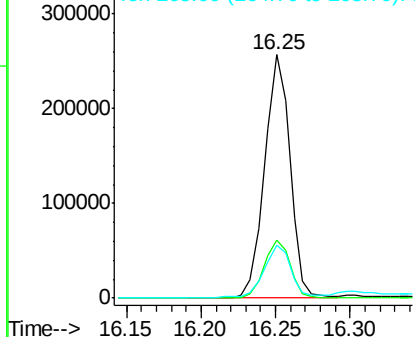
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

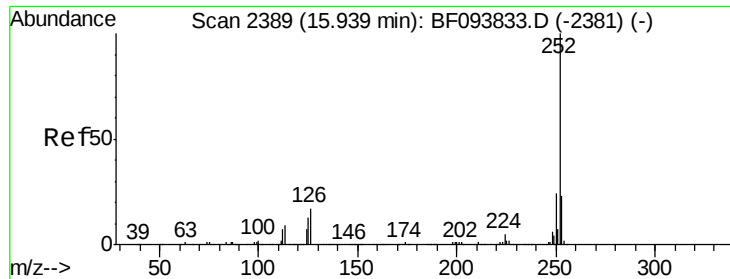


#86
Perylene-d12
Concen: 20.00 ng
RT: 16.25 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.5	17.2	25.8

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





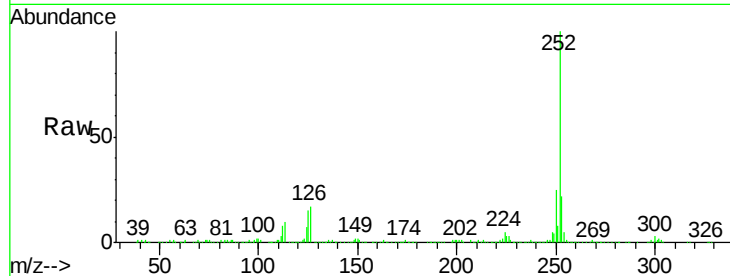
#87
Benzo(b)fluoranthene
Concen: 24.82 ng m
RT: 15.84 min Scan# 2373
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Instrument :
BNA_F
ClientSampleId :
E2-S-R-11-12-BASE

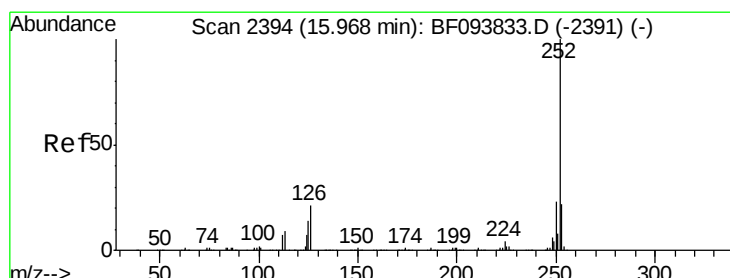
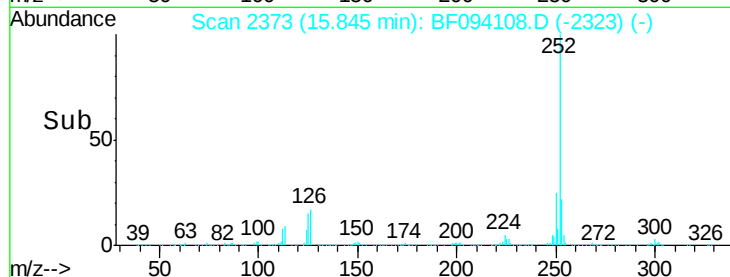
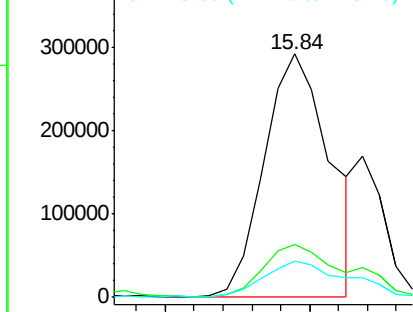
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	15.1	9.8	14.8

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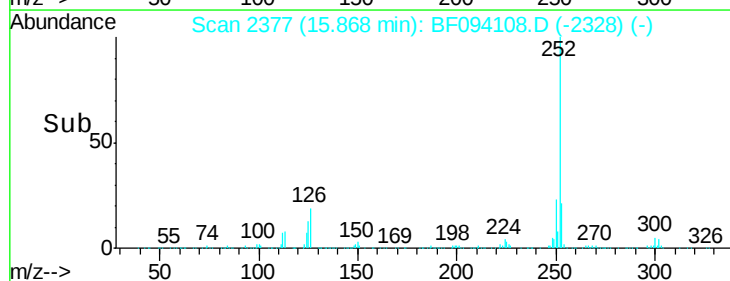
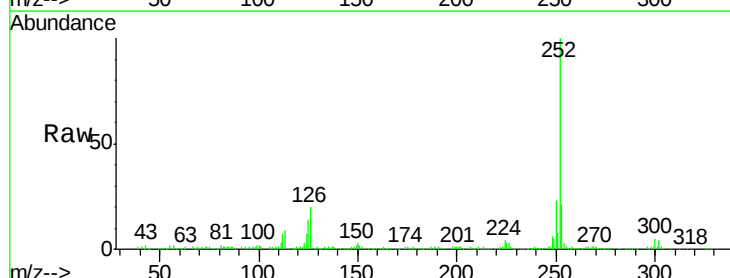
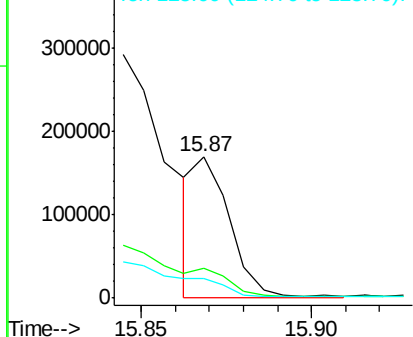
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

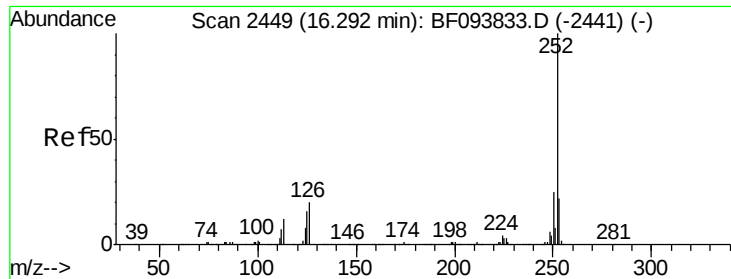


#88
Benzo(k)fluoranthene
Concen: 6.85 ng m
RT: 15.87 min Scan# 2377
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.4	27.6
125	14.0	13.1	19.7

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





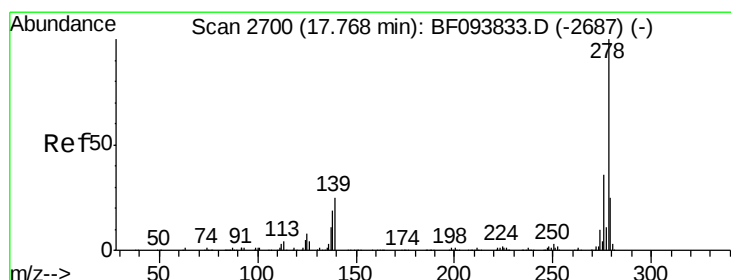
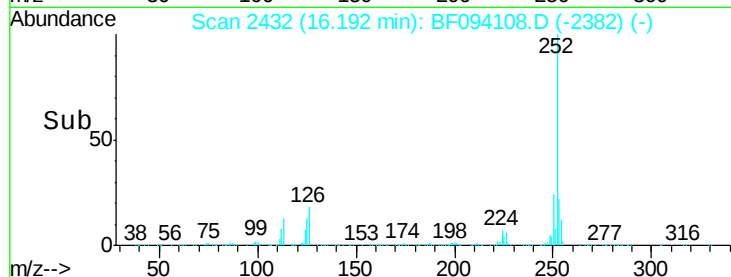
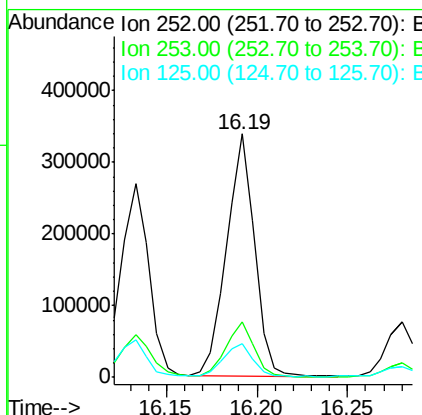
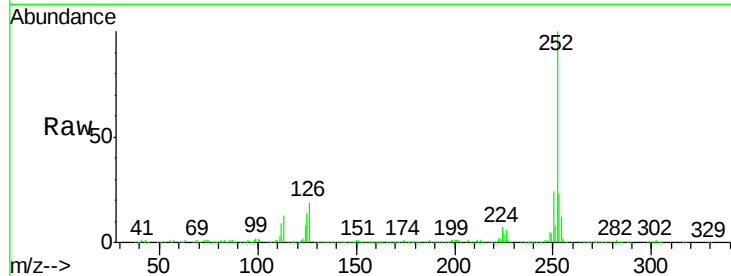
#89
Benzo(a)pyrene
Concen: 21.36 ng
RT: 16.19 min Scan# 2432
Delta R.T. -0.01 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Instrument :
BNA_F
ClientSampleId :
E2-S-R-11-12-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	13.6	11.0	16.4

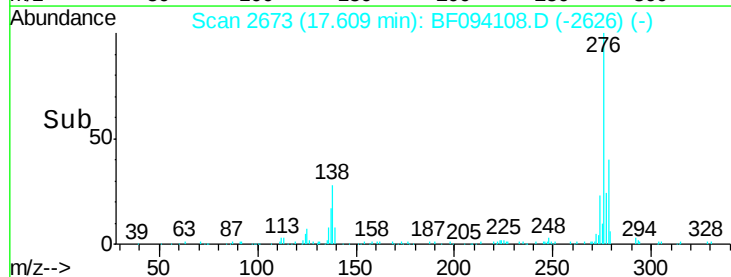
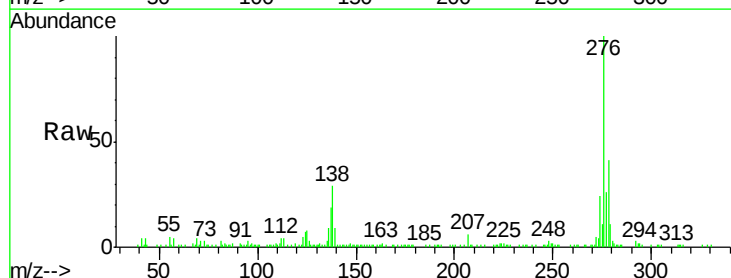
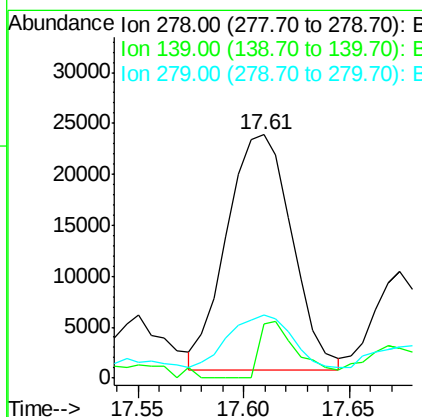
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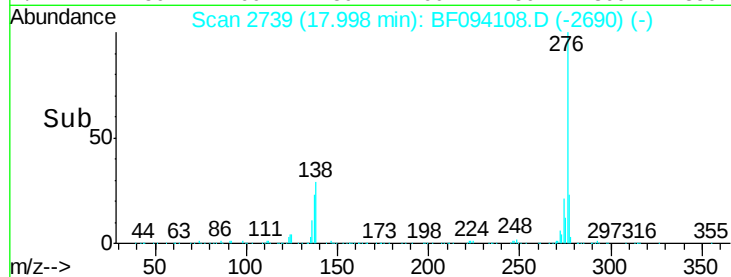
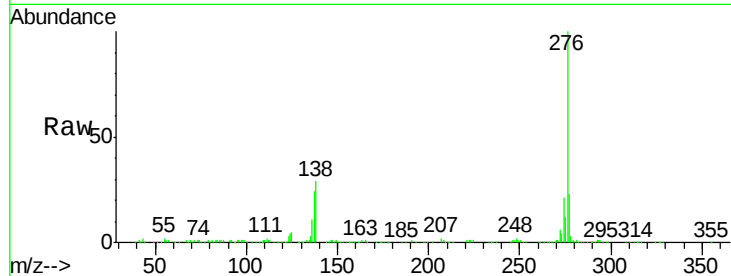
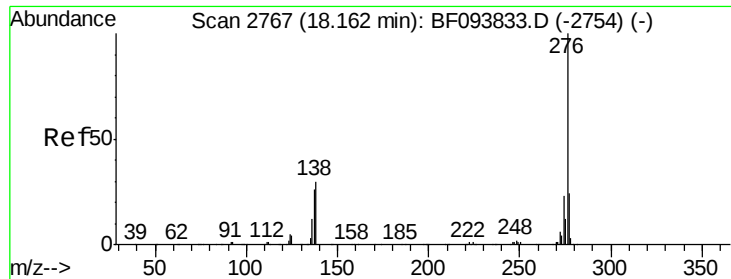
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#90
Dibenzo(a,h)anthracene
Concen: 3.43 ng
RT: 17.61 min Scan# 2673
Delta R.T. -0.02 min
Lab File: BF094108.D
Acq: 31 Mar 2017 20:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.3	16.6	24.8
279	25.7	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 19.88 ng

RT: 18.00 min Scan# 2739

Delta R.T. -0.01 min

Lab File: BF094108.D

Acq: 31 Mar 2017 20:48

Instrument :

BNA_F

ClientSampleId :

E2-S-R-11-12-BASE

Tot Ion:	276	Resp:	289735
Ion Ratio	Lower	Upper	
276	100		
277	23.4	18.6	28.0
138	29.2	25.4	38.0

Manual Integrations
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