

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050317\
 Data File : BF094868.D
 Acq On : 4 May 2017 10:27
 Operator : SJ/MA
 Sample : I2921-04DL 20X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-V9-BASEDL

Manual Integrations
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Quant Time: May 04 11:21:15 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	93082	20.00	ng	-0.01
21) Naphthalene-d8	9.74	136	361252	20.00	ng	-0.01
38) Acenaphthene-d10	12.57	164	150692	20.00	ng	-0.01
63) Phenanthrene-d10	14.97	188	230029	20.00	ng	-0.01
75) Chrysene-d12	18.64	240	202113	20.00	ng	-0.02
86) Perylene-d12	20.30	264	149758	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	24244	4.34	ng	0.02
7) Phenol-d6	7.30	99	33949	5.07	ng	0.02
23) Nitrobenzene-d5	8.63	82	19254	3.36	ng	0.00
41) 2,4,6-Tribromophenol	13.88	330	5434	4.40	ng	0.00
44) 2-Fluorobiphenyl	11.52	172	38852	3.71	ng	-0.01
78) Terphenyl-d14	17.29	244	24833	2.71	ng	-0.02
Target Compounds						Qvalue
51) Acenaphthene	12.62	154	43189m	4.51	ng	
54) Dibenzofuran	12.91	168	46386	3.50	ng	100
57) Fluorene	13.47	166	69811	6.05	ng	98
70) Phenanthrene	15.01	178	701105	53.05	ng	99
71) Anthracene	15.09	178	212072	15.71	ng	98
72) Carbazole	15.37	167	70079	5.71	ng	97
74) Fluoranthene	16.75	202	690403	50.92	ng	99
77) Pyrene	17.05	202	586026	38.77	ng	95
80) Benzo(a)anthracene	18.62	228	230108	19.56	ng	99
82) Chrysene	18.67	228	192319	16.91	ng	96
85) Indeno(1,2,3-cd)pyrene	21.59	276	69648	7.54	ng	96
87) Benzo(b)fluoranthene	19.90	252	188229m	20.34	ng	
88) Benzo(k)fluoranthene	19.92	252	77050m	8.63	ng	
89) Benzo(a)pyrene	20.25	252	155244	18.18	ng	97
90) Dibenzo(a,h)anthracene	21.59	278	17136m	2.43	ng	
91) Benzo(g,h,i)perylene	21.97	276	69579	10.05	ng	96

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

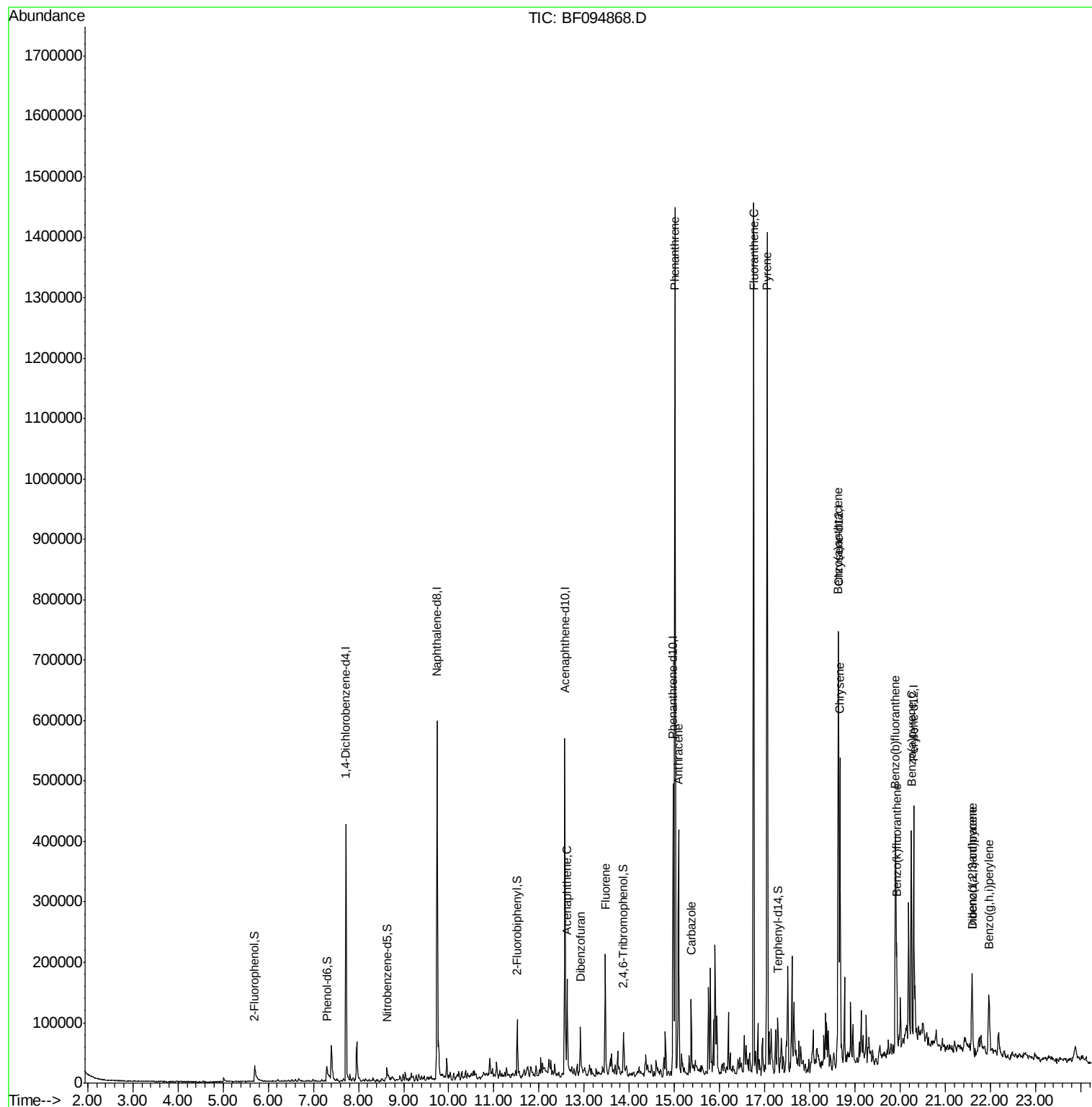
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050317\
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ALS Vial : 29 Sample Multiplier: 1

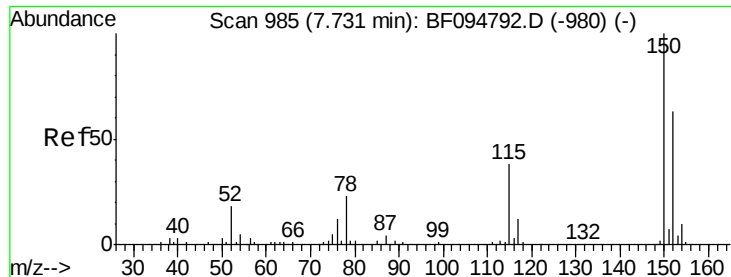
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#1

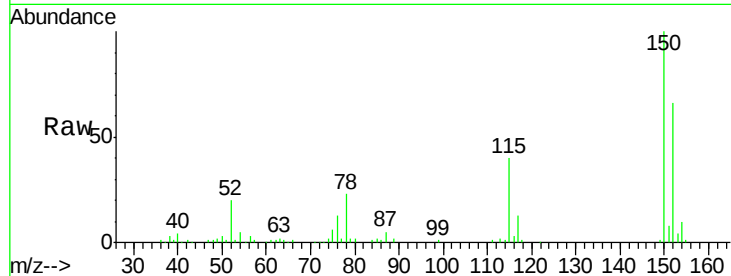
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 983
Delta R.T. -0.01 min
Lab File: BF094868.D
Acq: 4 May 2017 10:27

Instrument :
BNA_F
ClientSampleId :
E2-V9-BASEDL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.4	126.2	189.2
115	61.0	52.2	78.2

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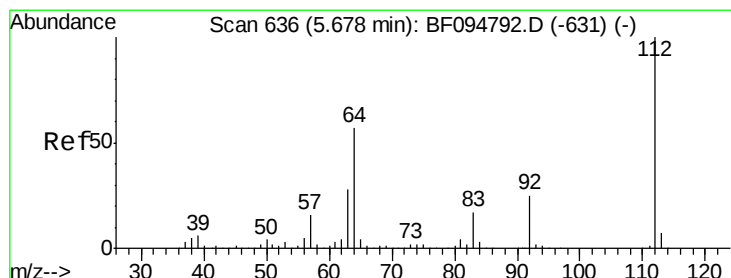
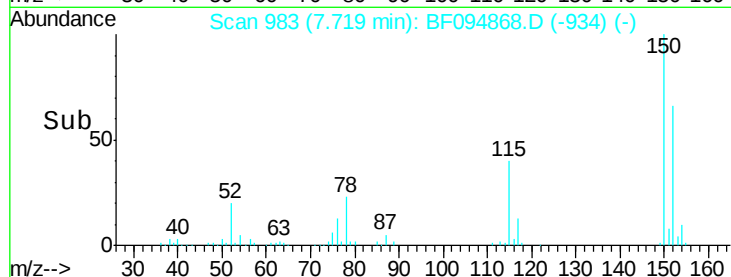
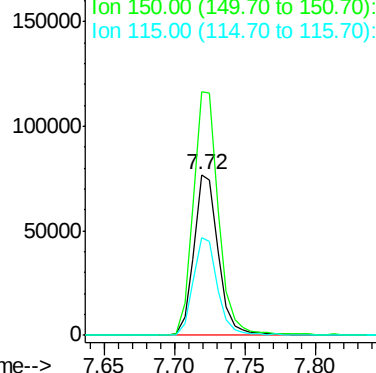


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

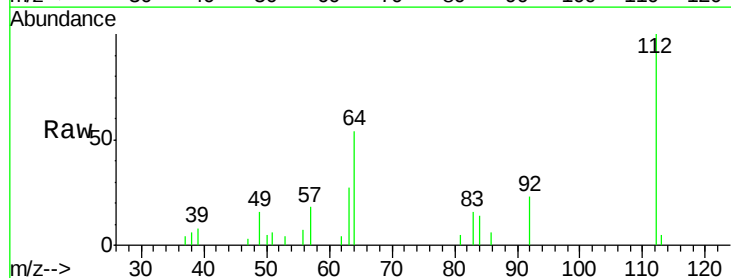
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 4.34 ng
RT: 5.70 min Scan# 640
Delta R.T. 0.02 min
Lab File: BF094868.D
Acq: 4 May 2017 10:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	46.0	69.0
63	27.5	23.4	35.0

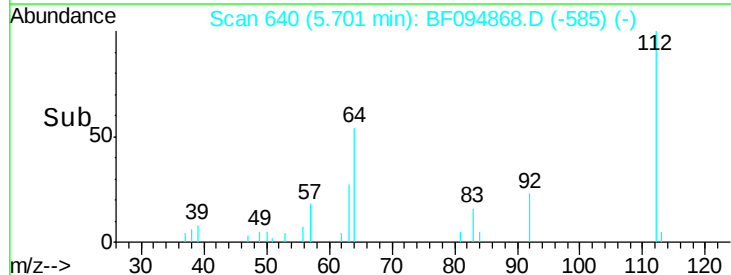
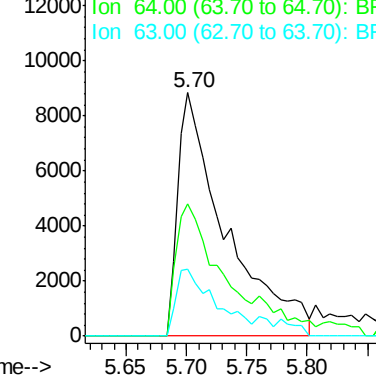


Abundance

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: 5.07 ng

RT: 7.30 min Scan# 911

Delta R.T. 0.02 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

Instrument :

BNA_F

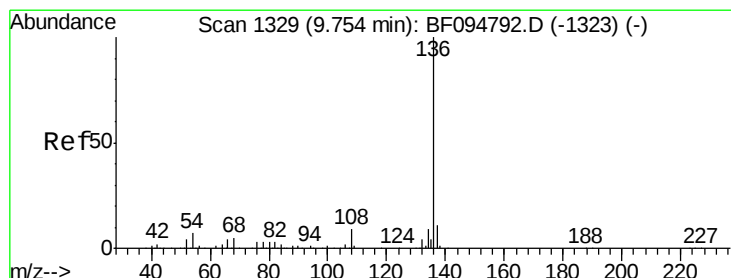
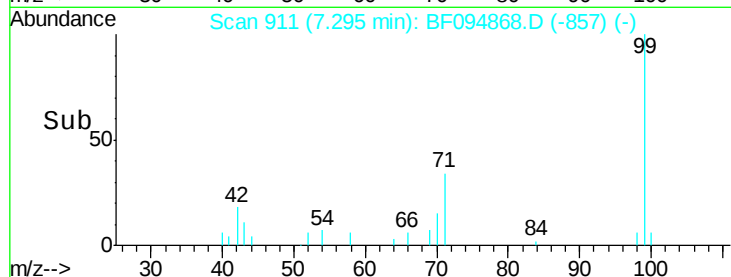
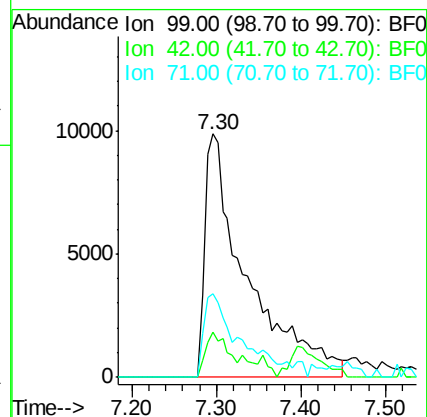
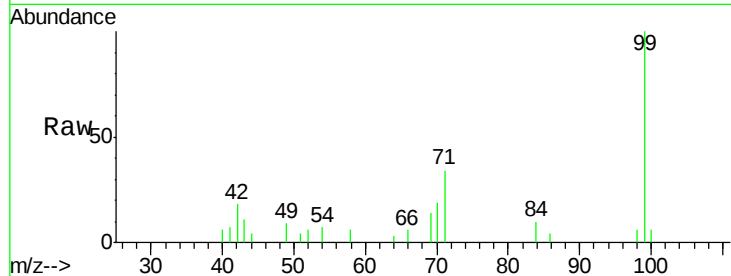
ClientSampleId :

E2-V9-BASEDL

Tgt Ion:	99	Resp:	33949
Ion Ratio	Lower	Upper	
99	100		
42	18.5	13.5	20.3
71	34.5	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

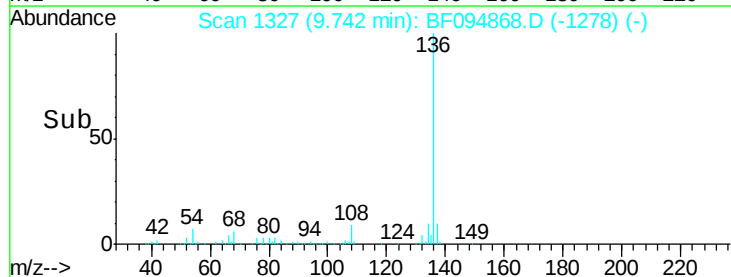
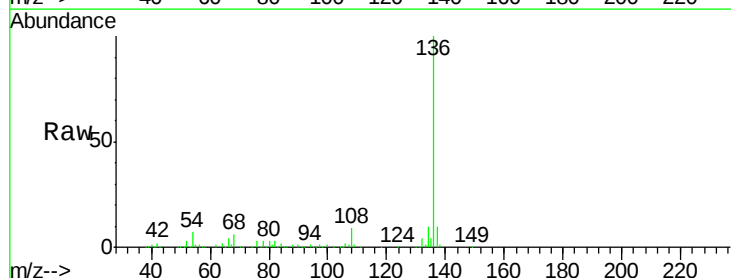
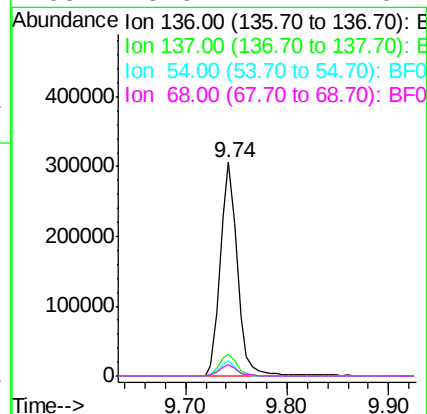
RT: 9.74 min Scan# 1327

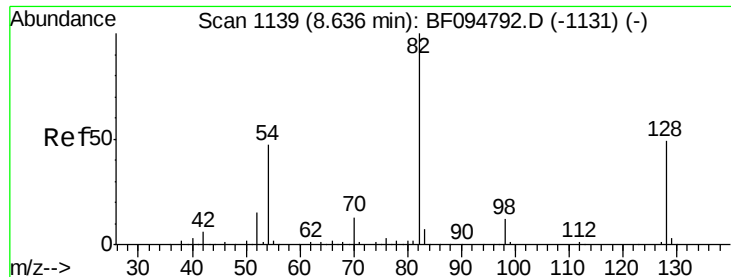
Delta R.T. -0.01 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

Tgt Ion:	136	Resp:	361252
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.5	12.7
54	7.1	4.9	7.3
68	5.6	4.1	6.1





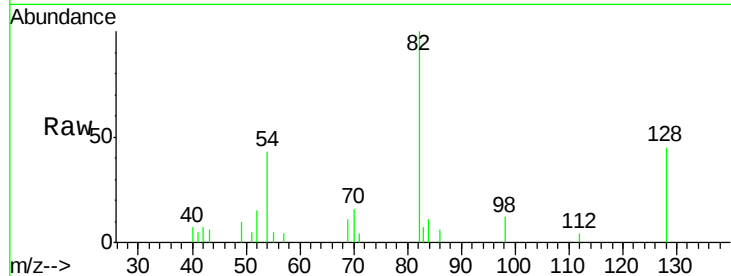
#23
 Nitrobenzene-d5
 Concen: 3.36 ng
 RT: 8.63 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: BF094868.D
 Acq: 4 May 2017 10:27

Instrument :
 BNA_F
 ClientSampleId :
 E2-V9-BASEDL

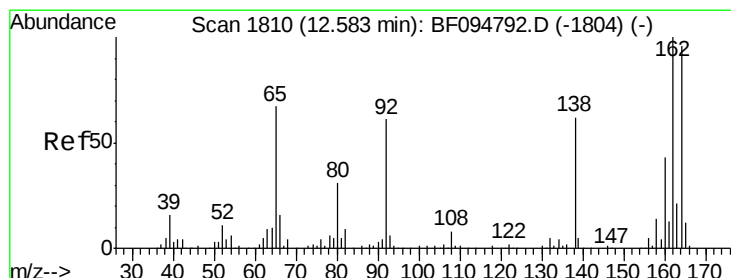
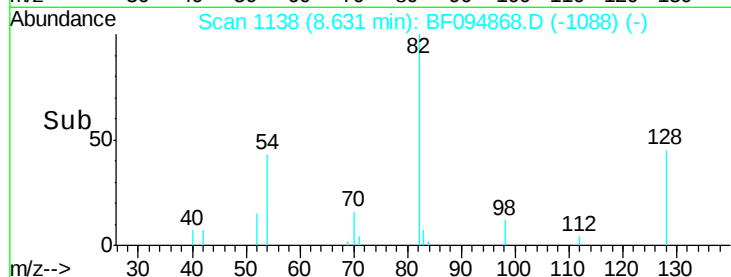
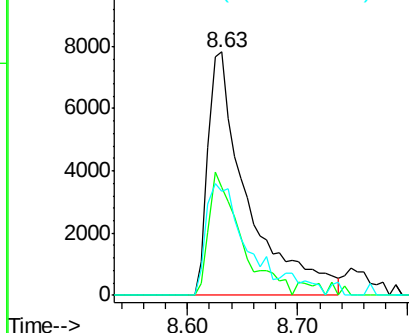
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.0	51.0
54	43.0	42.2	63.2

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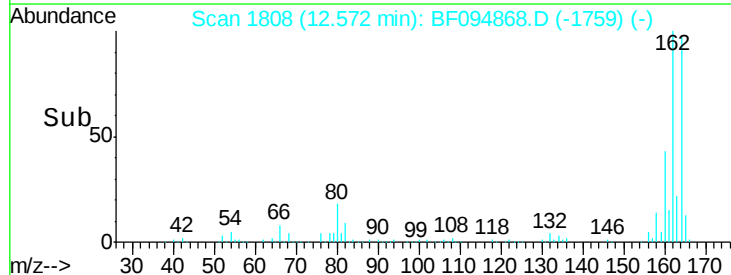
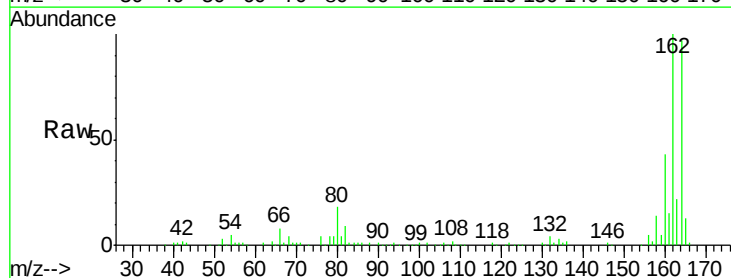
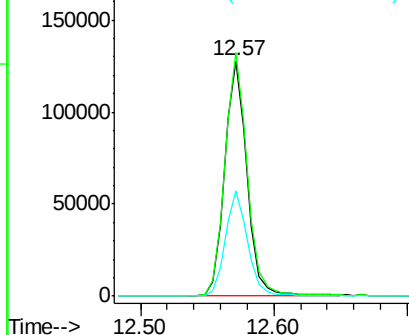
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.57 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: BF094868.D
 Acq: 4 May 2017 10:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	82.6	123.8
160	44.7	36.2	54.2

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





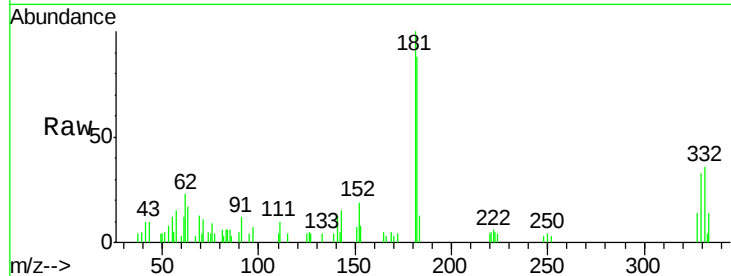
#41
 2,4,6-Tribromophenol
 Concen: 4.40 ng
 RT: 13.88 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF094868.D
 Acq: 4 May 2017 10:27

Instrument :
 BNA_F
 ClientSampleId :
 E2-V9-BASEDL

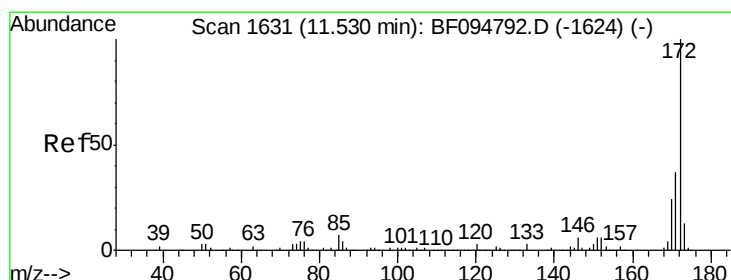
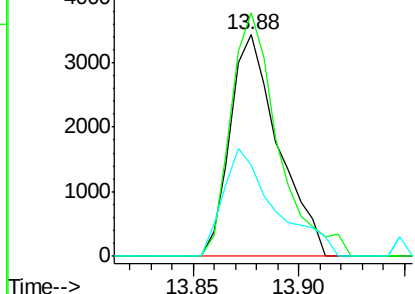
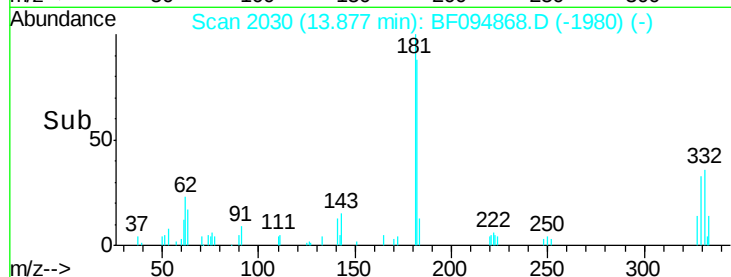
Tgt Ion	Ratio	Lower	Upper
330	100		
332	107.7	76.6	115.0
141	52.3	31.4	47.2

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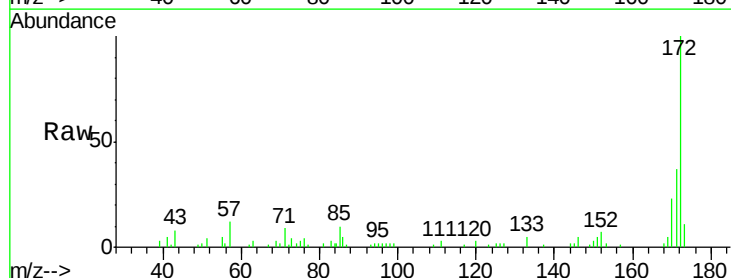


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

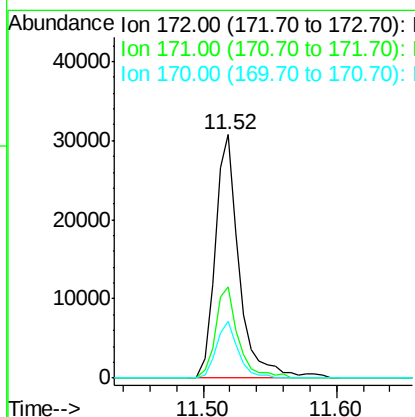
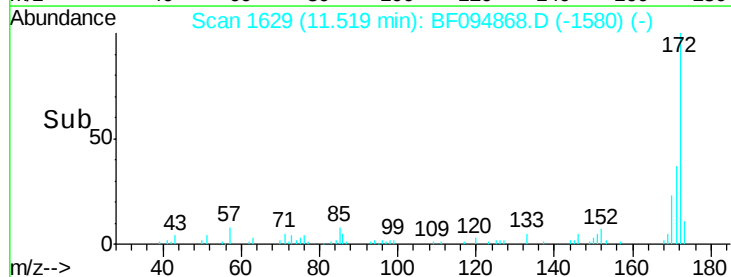


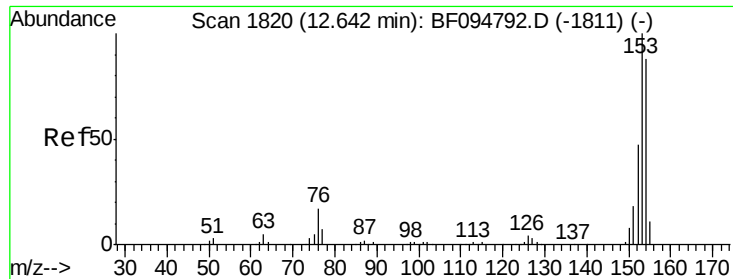
#44
 2-Fluorobiphenyl
 Concen: 3.71 ng
 RT: 11.52 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BF094868.D
 Acq: 4 May 2017 10:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.6	44.4
170	23.2	19.8	29.8



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





#51

Acenaphthene

Concen: 4.51 ng m

RT: 12.62 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

Instrument :

BNA_F

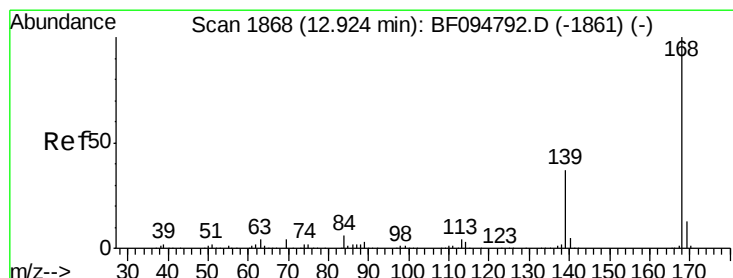
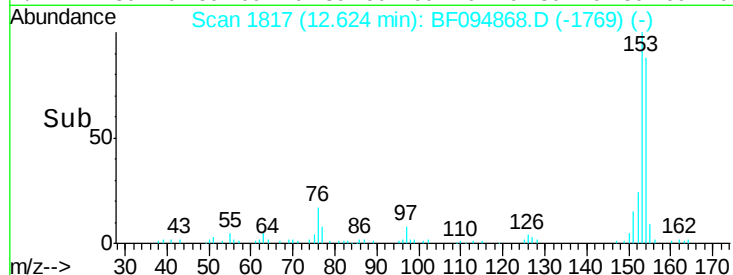
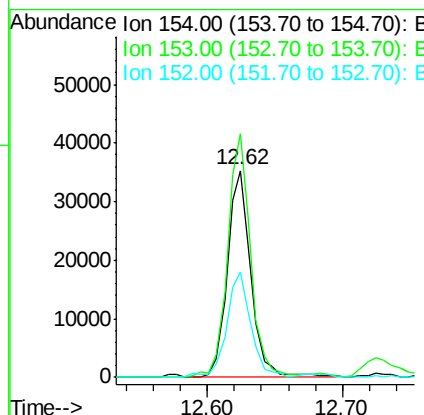
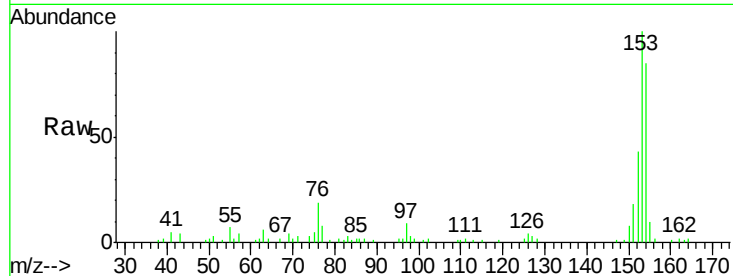
ClientSampleId :

E2-V9-BASEDL

Tgt Ion:	154	Resp:	43189
Ion Ratio	Lower	Upper	
154	100		
153	117.8	90.5	135.7
152	51.1	43.6	65.4

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#54

Dibenzofuran

Concen: 3.50 ng

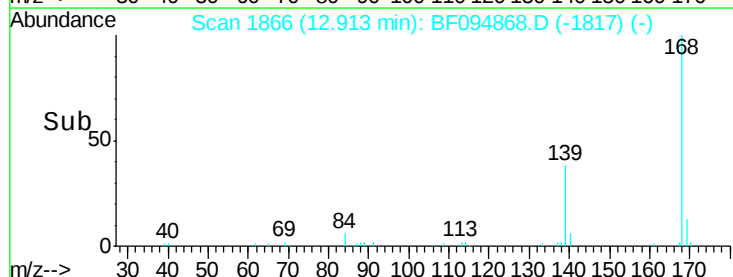
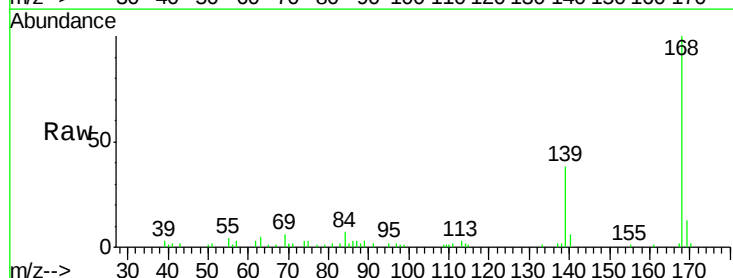
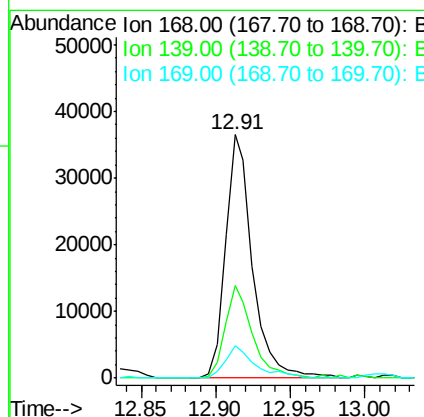
RT: 12.91 min Scan# 1866

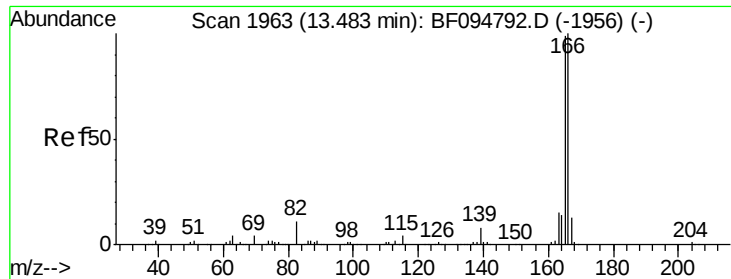
Delta R.T. -0.01 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

Tgt Ion:	168	Resp:	46386
Ion Ratio	Lower	Upper	
168	100		
139	38.1	30.6	45.8
169	13.3	10.8	16.2





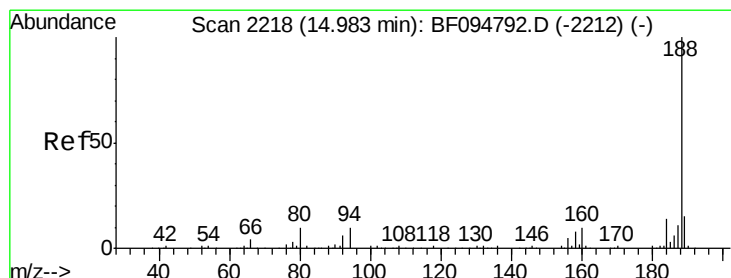
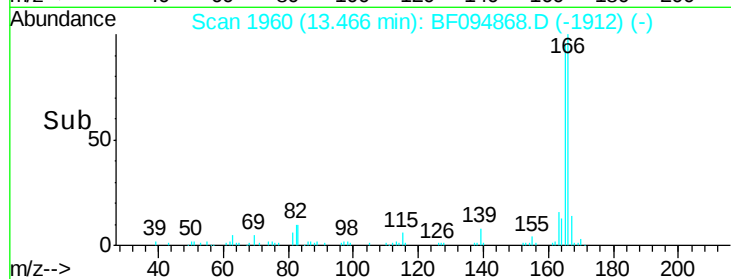
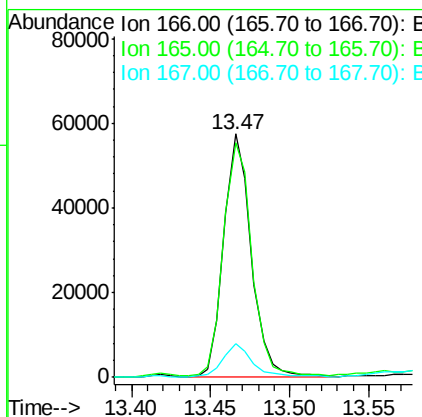
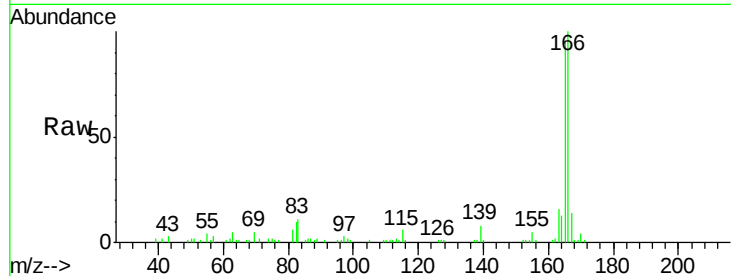
#57
Fluorene
 Concen: 6.05 ng
 RT: 13.47 min Scan# 1960
 Delta R.T. -0.02 min
 Lab File: BF094868.D
 Acq: 4 May 2017 10:27

Instrument :
 BNA_F
 ClientSampleId :
 E2-V9-BASEDL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	69811		
165	96.1	78.8	118.2	
167	13.9	10.6	16.0	

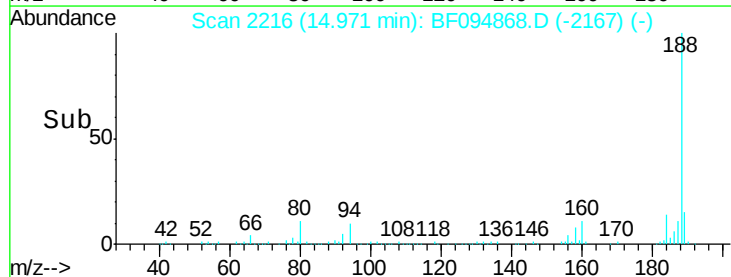
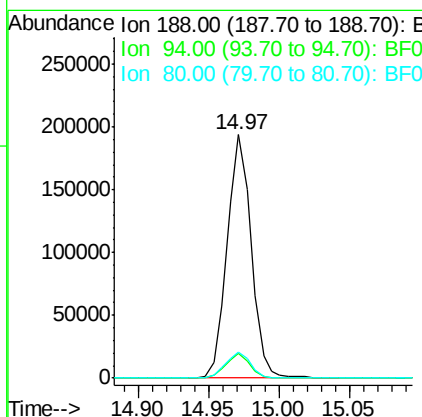
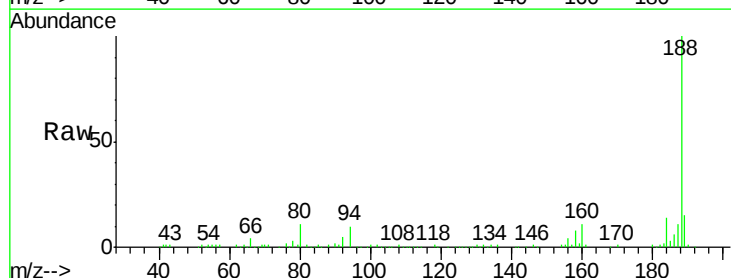
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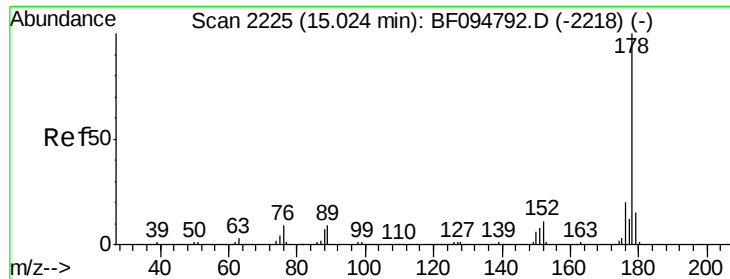
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.97 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: BF094868.D
 Acq: 4 May 2017 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	230029		
94	10.1	9.4	14.2	
80	10.9	10.2	15.2	





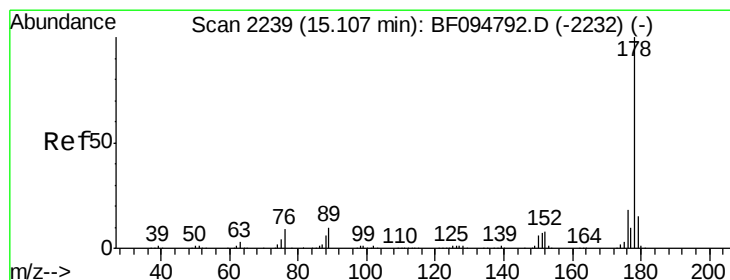
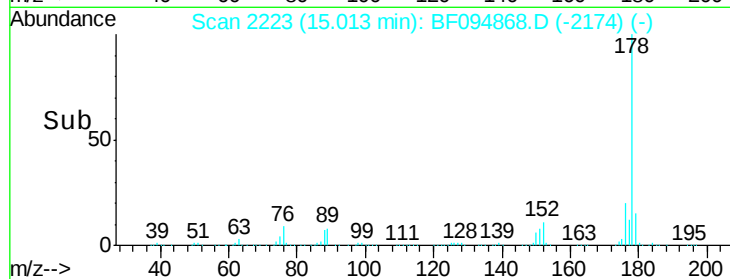
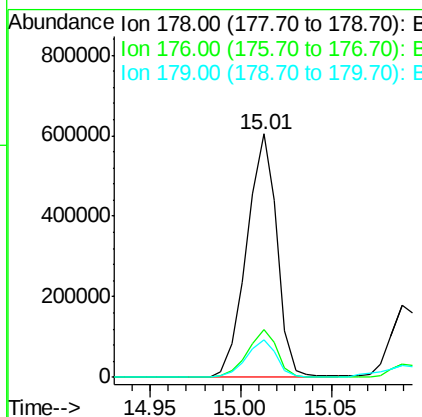
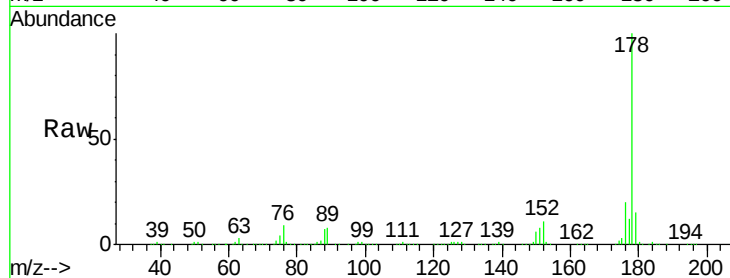
#70
Phenanthrene
Concen: 53.05 ng
RT: 15.01 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF094868.D
Acq: 4 May 2017 10:27

Instrument :
BNA_F
ClientSampleId :
E2-V9-BASEDL

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	701105		
176	19.5	16.2	24.4	
179	15.3	12.6	19.0	

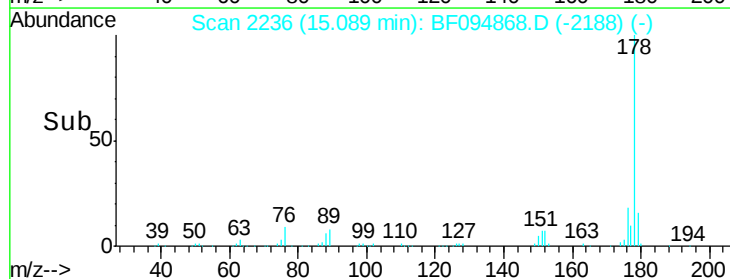
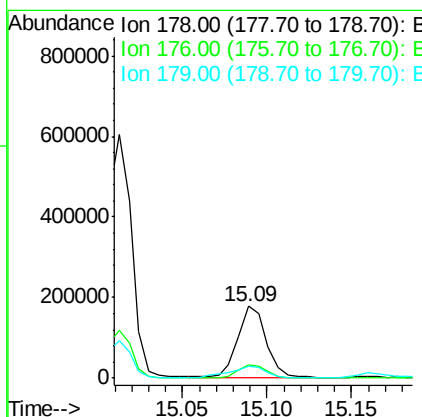
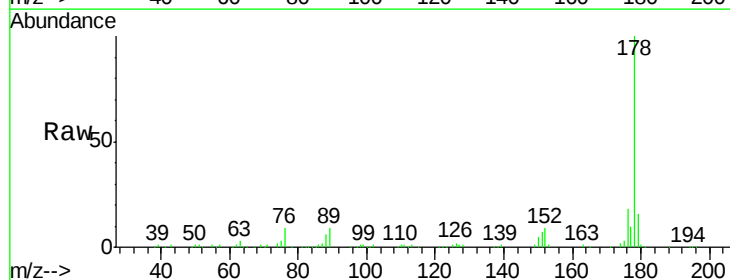
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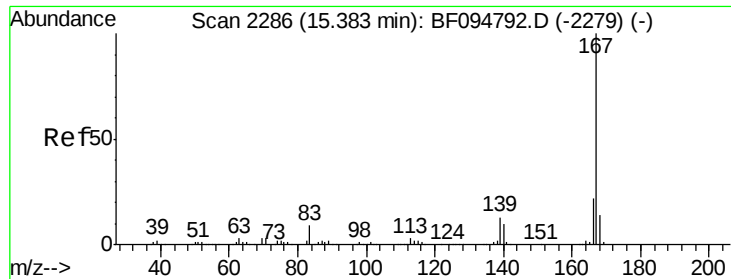
mohammad
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#71
Anthracene
Concen: 15.71 ng
RT: 15.09 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF094868.D
Acq: 4 May 2017 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	212072		
176	18.2	15.8	23.8	
179	16.1	12.7	19.1	





#72

Carbazole

Concen: 5.71 ng

RT: 15.37 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

Instrument :

BNA_F

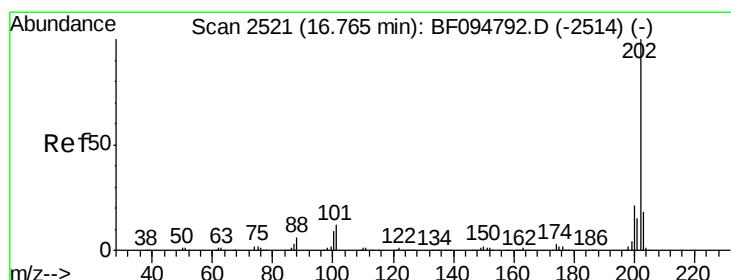
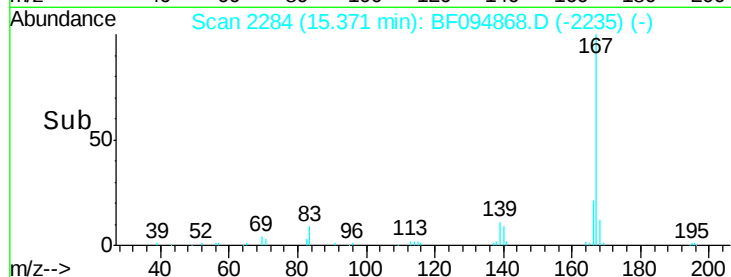
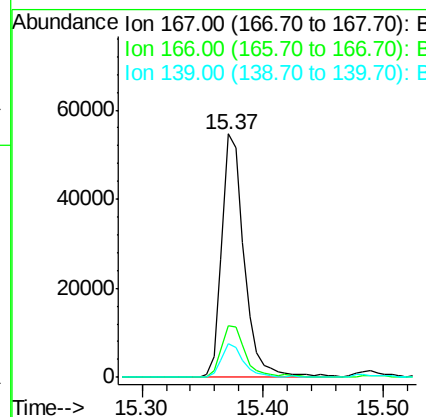
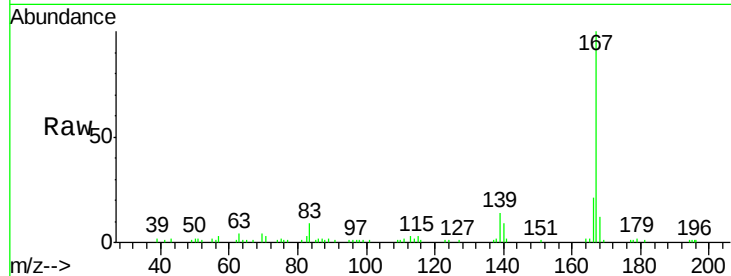
ClientSampleId :

E2-V9-BASEDL

Tgt Ion:	167	Resp:	70079
Ion Ratio	Lower	Upper	
167	100		
166	21.1	18.1	27.1
139	13.9	11.7	17.5

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#74

Fluoranthene

Concen: 50.92 ng

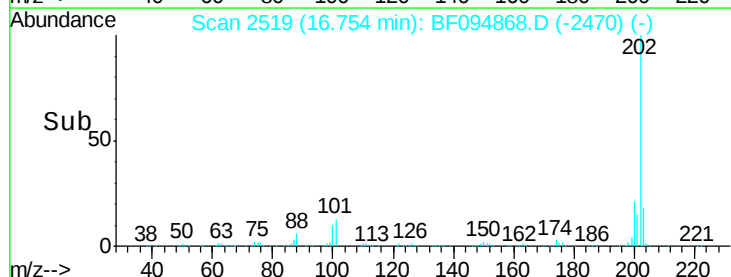
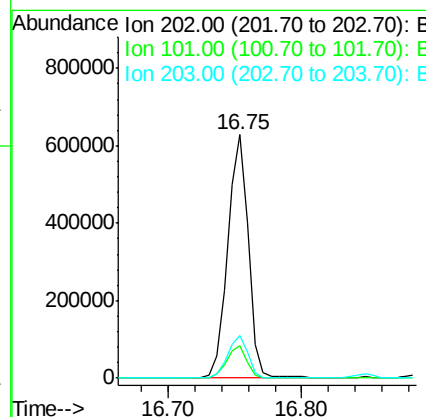
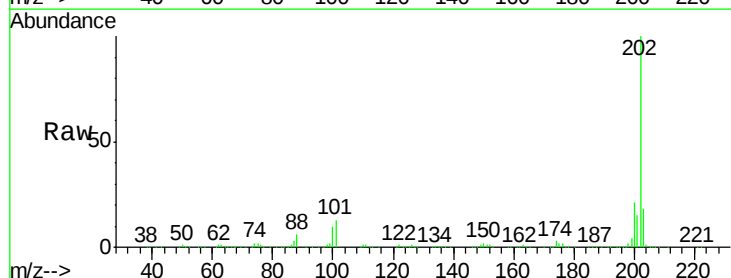
RT: 16.75 min Scan# 2519

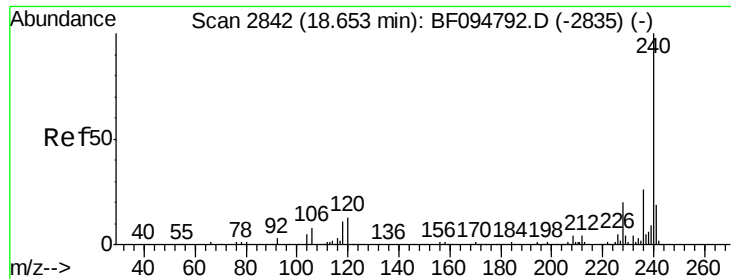
Delta R.T. -0.01 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

Tgt Ion:	202	Resp:	690403
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	33.2
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.64 min Scan# 2839

Delta R.T. -0.02 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

Instrument :

BNA_F

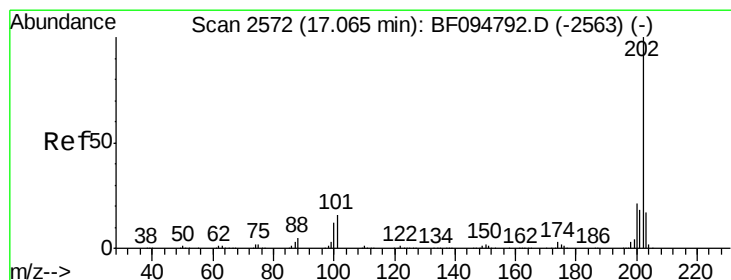
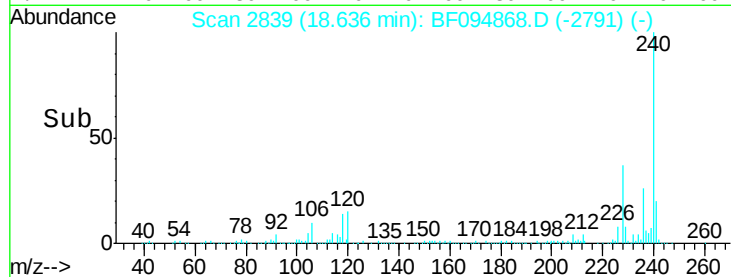
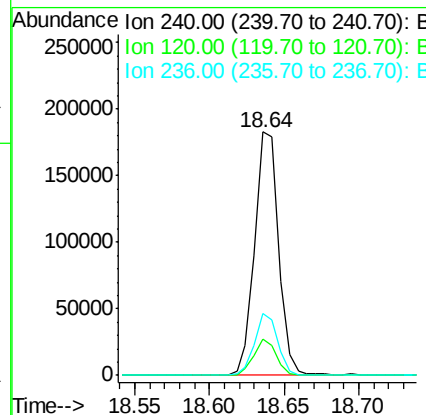
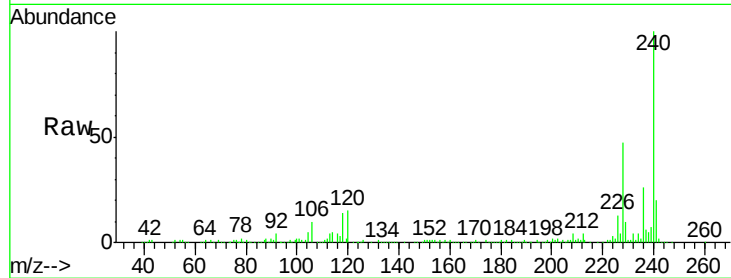
ClientSampleId :

E2-V9-BASEDL

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	202113		
120	14.9	5.8	8.8#	
236	25.6	20.5	30.7	

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#77

Pyrene

Concen: 38.77 ng

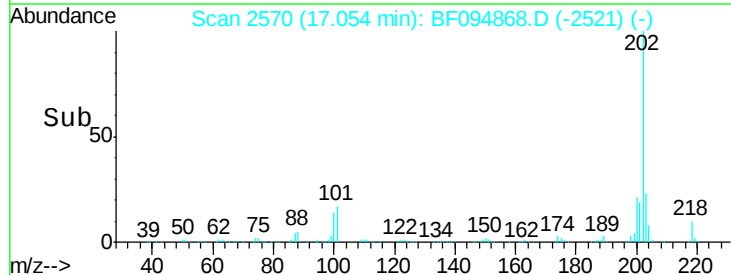
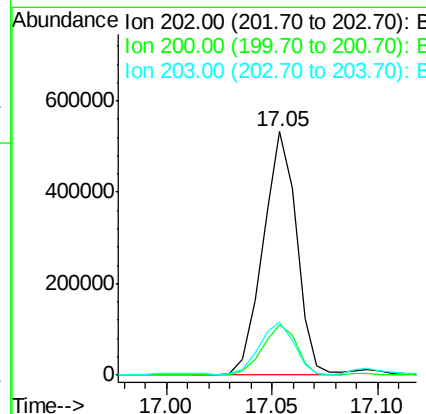
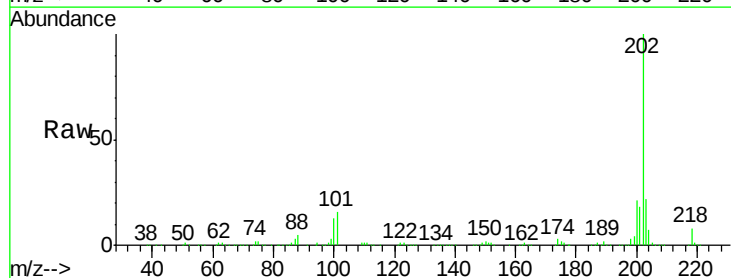
RT: 17.05 min Scan# 2570

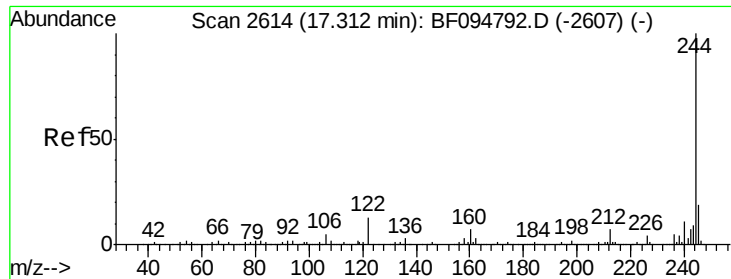
Delta R.T. -0.01 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	586026		
200	20.9	17.6	26.4	
203	21.6	14.4	21.6	





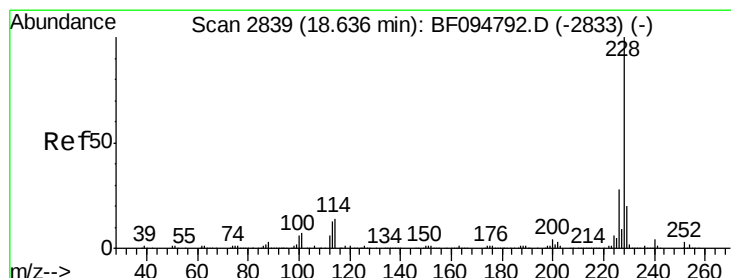
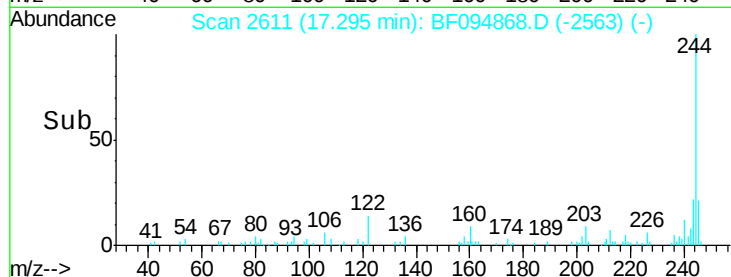
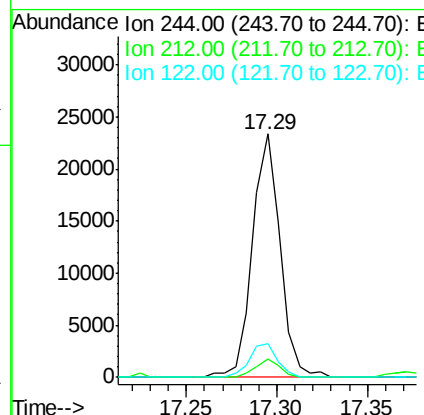
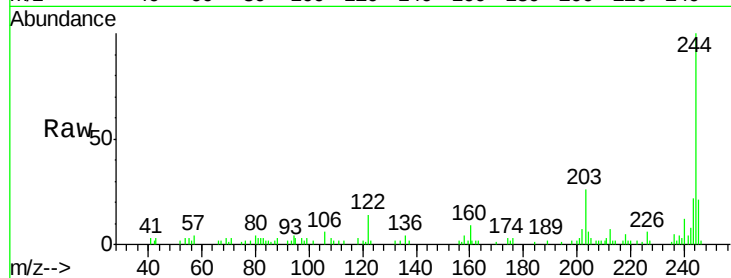
#78
 Terphenyl-d14
 Concen: 2.71 ng
 RT: 17.29 min Scan# 2611
 Delta R.T. -0.02 min
 Lab File: BF094868.D
 Acq: 4 May 2017 10:27

Instrument :
 BNA_F
 ClientSampleId :
 E2-V9-BASEDL

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	24833		
212	7.4	6.0	9.0	
122	13.6	10.3	15.5	

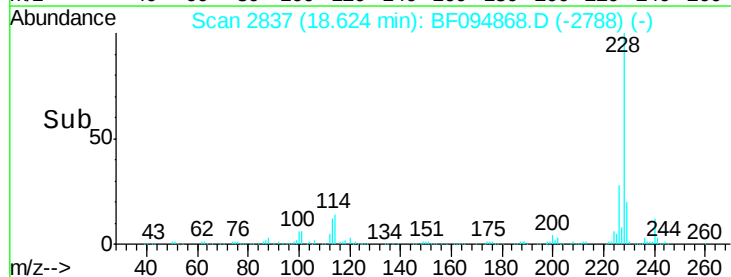
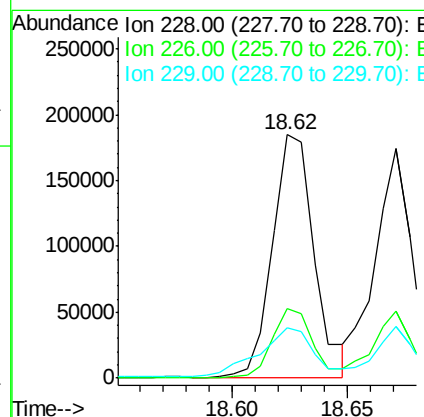
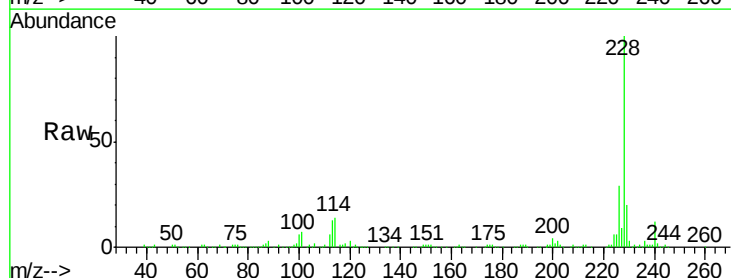
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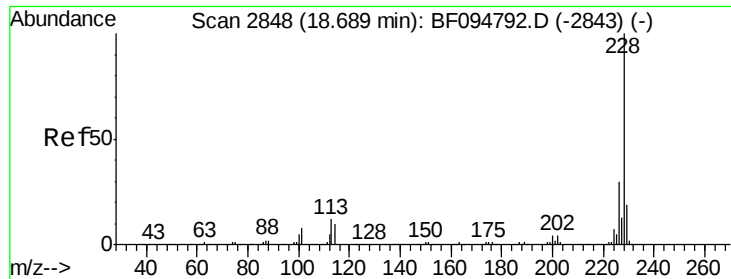
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#80
 Benzo(a)anthracene
 Concen: 19.56 ng
 RT: 18.62 min Scan# 2837
 Delta R.T. -0.01 min
 Lab File: BF094868.D
 Acq: 4 May 2017 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	230108		
226	28.8	22.6	33.8	
229	20.5	16.3	24.5	





#82

Chrysene

Concen: 16.91 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.02 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

Instrument :

BNA_F

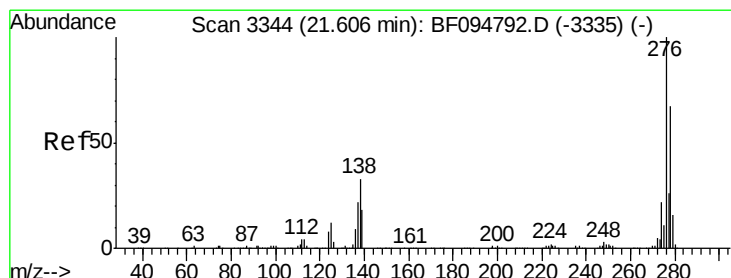
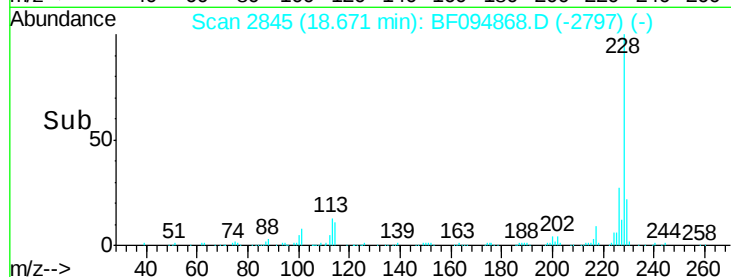
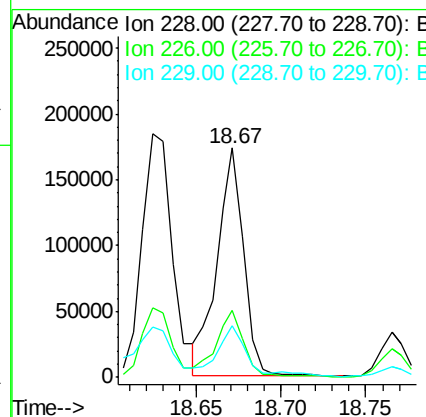
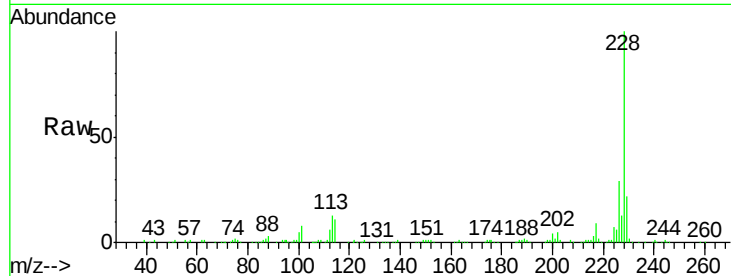
ClientSampleId :

E2-V9-BASEDL

Tgt Ion:	228	Resp:	192319
Ion Ratio		Lower	Upper
228	100		
226	29.3	24.9	37.3
229	22.5	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.54 ng

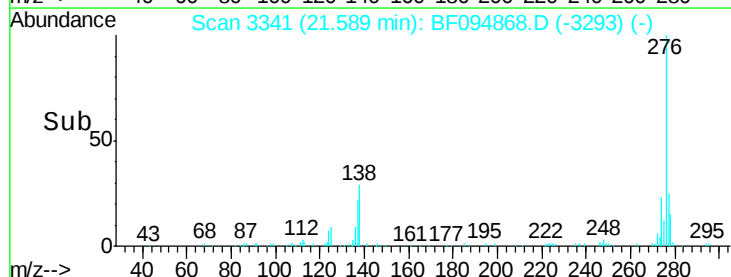
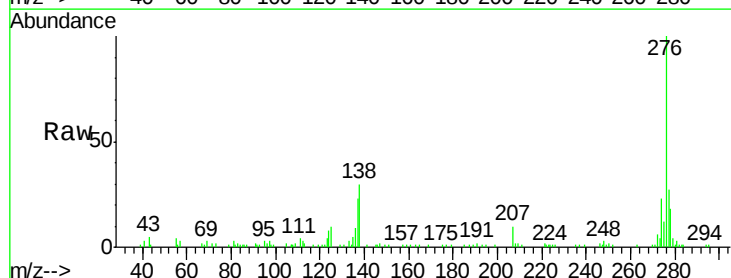
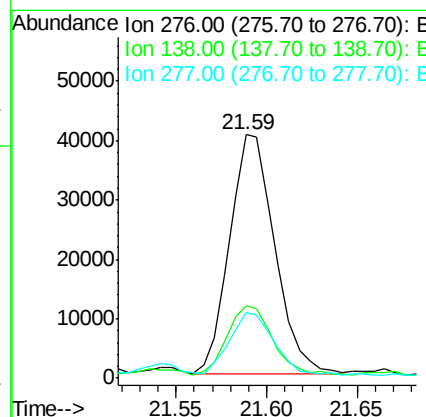
RT: 21.59 min Scan# 3341

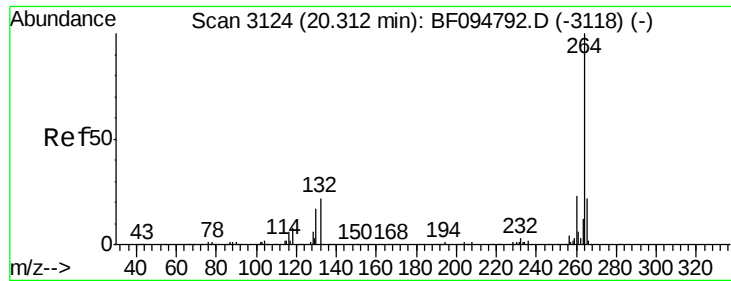
Delta R.T. -0.02 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

Tgt Ion:	276	Resp:	69648
Ion Ratio		Lower	Upper
276	100		
138	31.6	27.8	41.6
277	26.2	20.2	30.4





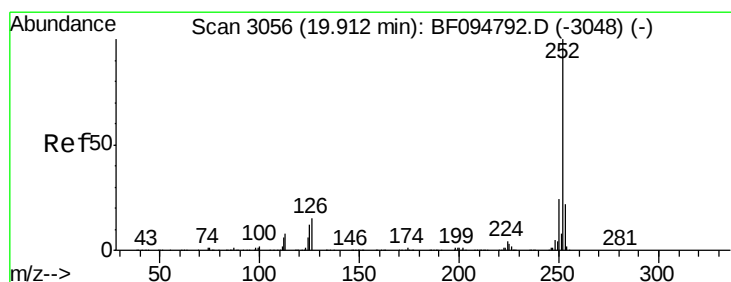
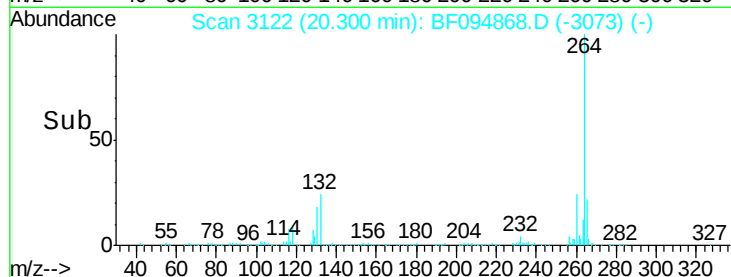
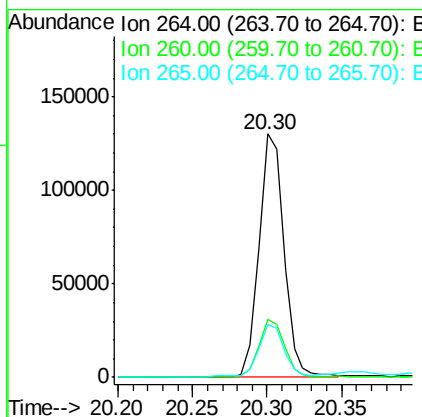
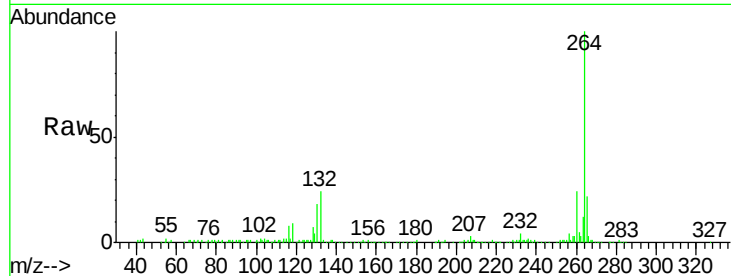
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF094868.D
Acq: 4 May 2017 10:27

Instrument :
BNA_F
ClientSampleId :
E2-V9-BASEDL

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	149758		
260	23.7	19.5	29.3	
265	21.6	17.2	25.8	

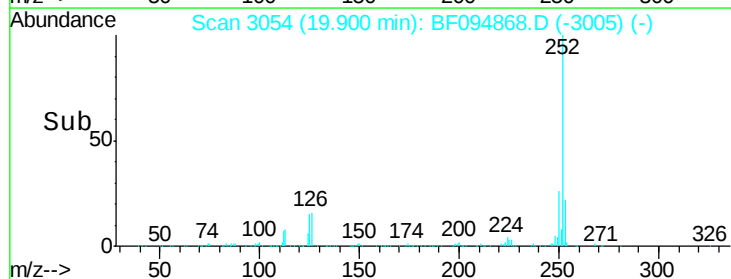
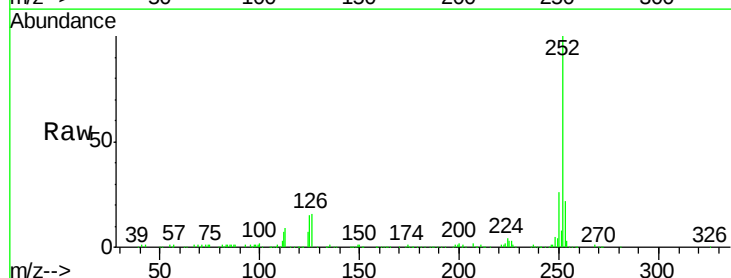
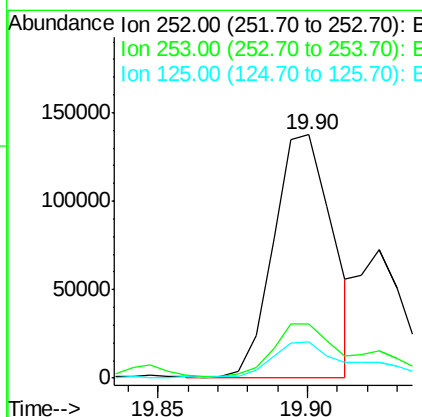
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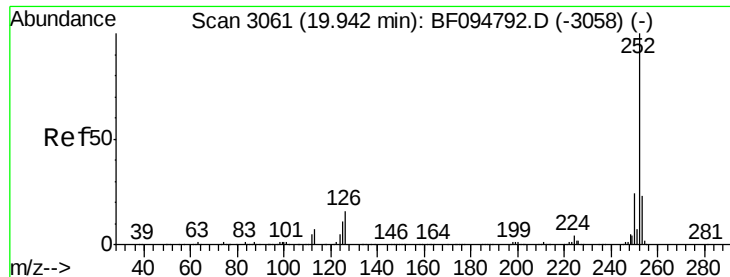
mohammad
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#87
Benzo(b)fluoranthene
Concen: 20.34 ng m
RT: 19.90 min Scan# 3054
Delta R.T. -0.01 min
Lab File: BF094868.D
Acq: 4 May 2017 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	188229		
253	22.2	18.1	27.1	
125	14.9	9.8	14.8#	





#88

Benzo(k)fluoranthene

Concen: 8.63 ng m

RT: 19.92 min Scan# 3058

Delta R.T. -0.02 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

Instrument :

BNA_F

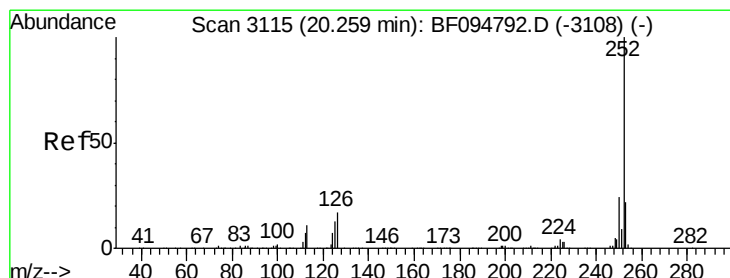
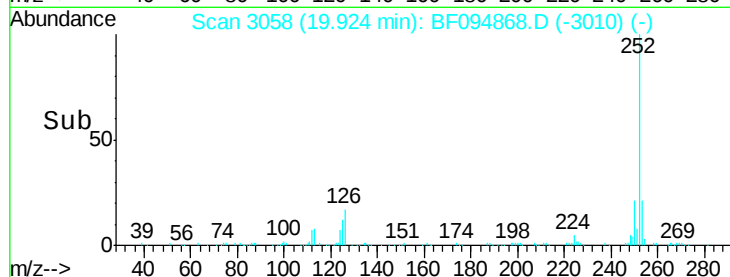
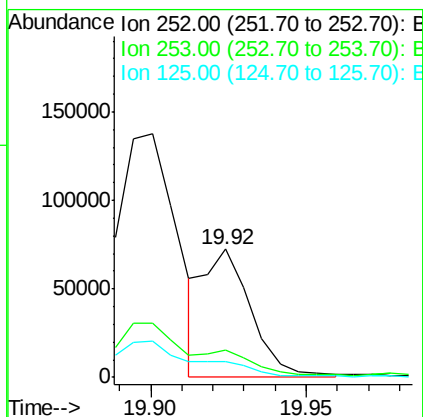
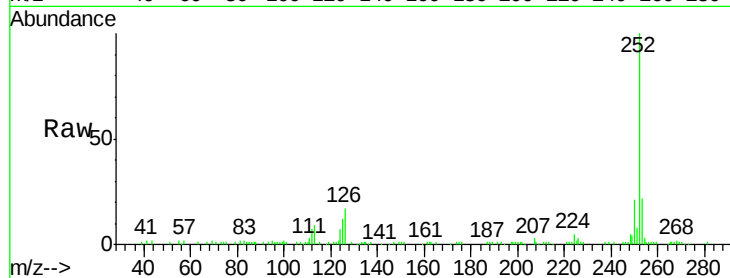
ClientSampleId :

E2-V9-BASEDL

Tgt Ion:	252	Resp:	77050
Ion Ratio	Lower	Upper	
252	100		
253	21.6	18.4	27.6
125	12.1	13.1	19.7#

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#89

Benzo(a)pyrene

Concen: 18.18 ng

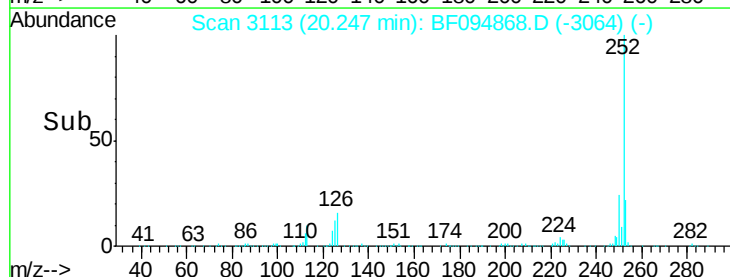
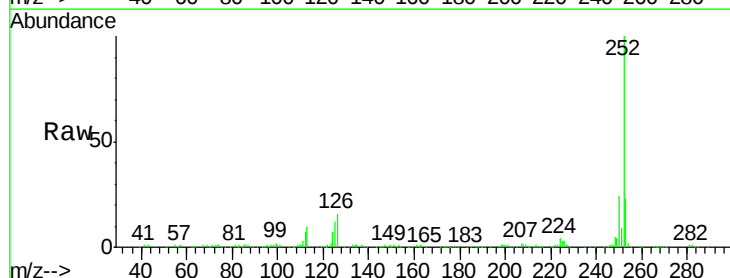
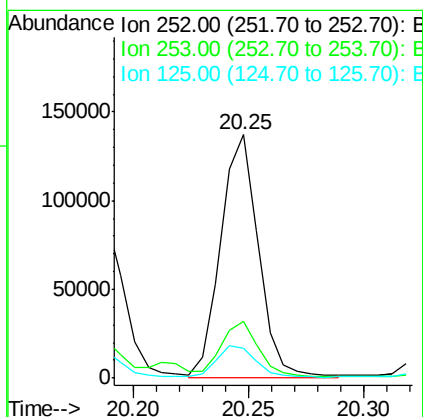
RT: 20.25 min Scan# 3113

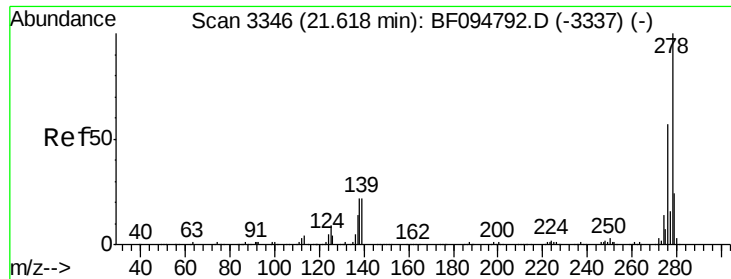
Delta R.T. -0.01 min

Lab File: BF094868.D

Acq: 4 May 2017 10:27

Tgt Ion:	252	Resp:	155244
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.5	26.3
125	12.3	11.0	16.4





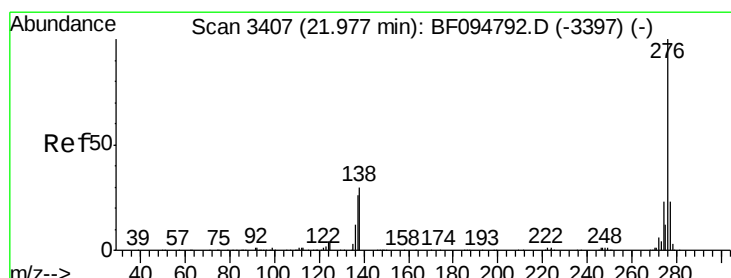
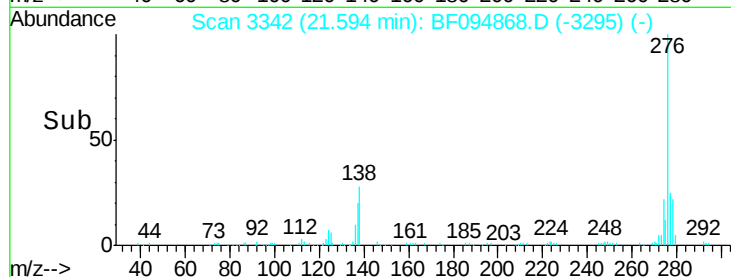
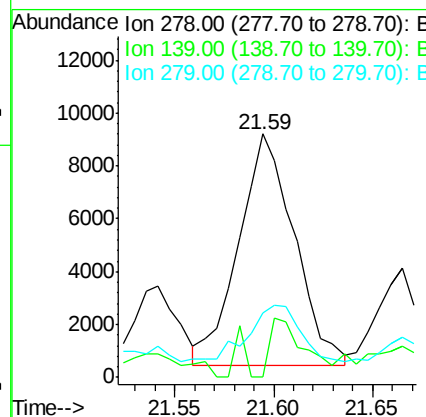
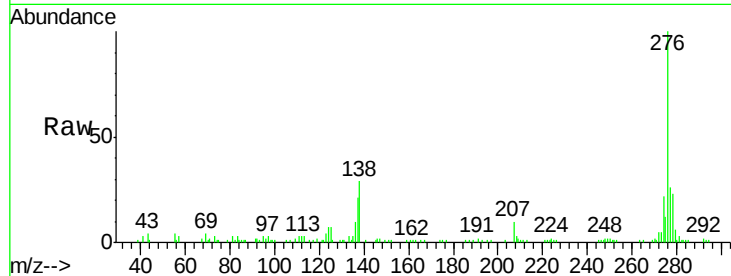
#90
Dibenzo(a,h)anthracene
Concen: 2.43 ng m
RT: 21.59 min Scan# 3342
Delta R.T. -0.02 min
Lab File: BF094868.D
Acq: 4 May 2017 10:27

Instrument :
BNA_F
ClientSampleId :
E2-V9-BASEDL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	26.6	19.3	28.9

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#91
Benzo(g,h,i)perylene
Concen: 10.05 ng
RT: 21.97 min Scan# 3405
Delta R.T. -0.01 min
Lab File: BF094868.D
Acq: 4 May 2017 10:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	28.0
138	28.1	25.4	38.0

