

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
 Data File : BF093924.D
 Acq On : 24 Mar 2017 23:25
 Operator : SJ/MA
 Sample : I2367-16 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-CC-DD-9-10-BASE

Manual Integrations
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Quant Time: Mar 25 01:00:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.96	152	176368	20.00	ng	-0.03
21) Naphthalene-d8	7.46	136	697844	20.00	ng	-0.03
38) Acenaphthene-d10	9.60	164	299393	20.00	ng	-0.04
63) Phenanthrene-d10	11.43	188	450248	20.00	ng	-0.03
75) Chrysene-d12	14.69	240	326147	20.00	ng	-0.02
86) Perylene-d12	16.33	264	290528	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.48	112	461359	44.18	ng	-0.02
7) Phenol-d6	5.55	99	667153	51.65	ng	-0.02
23) Nitrobenzene-d5	6.60	82	391139	31.99	ng	-0.04
41) 2,4,6-Tribromophenol	10.57	330	141729	59.91	ng	-0.04
44) 2-Fluorobiphenyl	8.79	172	840516	42.82	ng	-0.04
78) Terphenyl-d14	13.41	244	562691	38.67	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	7.49	128	131244	3.91	ng	98
37) 2-Methylnaphthalene	8.33	142	91268	4.08	ng	98
48) Acenaphthylene	9.43	152	91738	2.92	ng	98
49) Dimethylphthalate	9.28	163	72145	3.39	ng	97
51) Acenaphthene	9.65	154	71598	3.91	ng	100
54) Dibenzofuran	9.86	168	94590	3.79	ng	97
57) Fluorene	10.28	166	90409	4.37	ng	98
70) Phenanthrene	11.46	178	1225513	48.93	ng	99
71) Anthracene	11.52	178	361015	14.00	ng	98
72) Carbazole	11.72	167	128989	4.88	ng	98
74) Fluoranthene	12.93	202	1573525	61.35	ng	99
77) Pvrene	13.21	202	1394758	58.93	ng	99
80) Benzo(a)anthracene	14.68	228	634672m	33.37	ng	
82) Chrysene	14.72	228	673245m	38.15	ng	
85) Indeno(1,2,3-cd)pyrene	17.71	276	280700	18.36	ng	95
87) Benzo(b)fluoranthene	15.92	252	752790m	42.27	ng	
88) Benzo(k)fluoranthene	15.94	252	221199m	12.69	ng	
89) Benzo(a)pyrene	16.27	252	488833	29.81	ng	98
90) Dibenzo(a,h)anthracene	17.72	278	73905	5.32	ng	# 88
91) Benzo(a,h,i)perylene	18.12	276	255012	18.22	ng	98

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

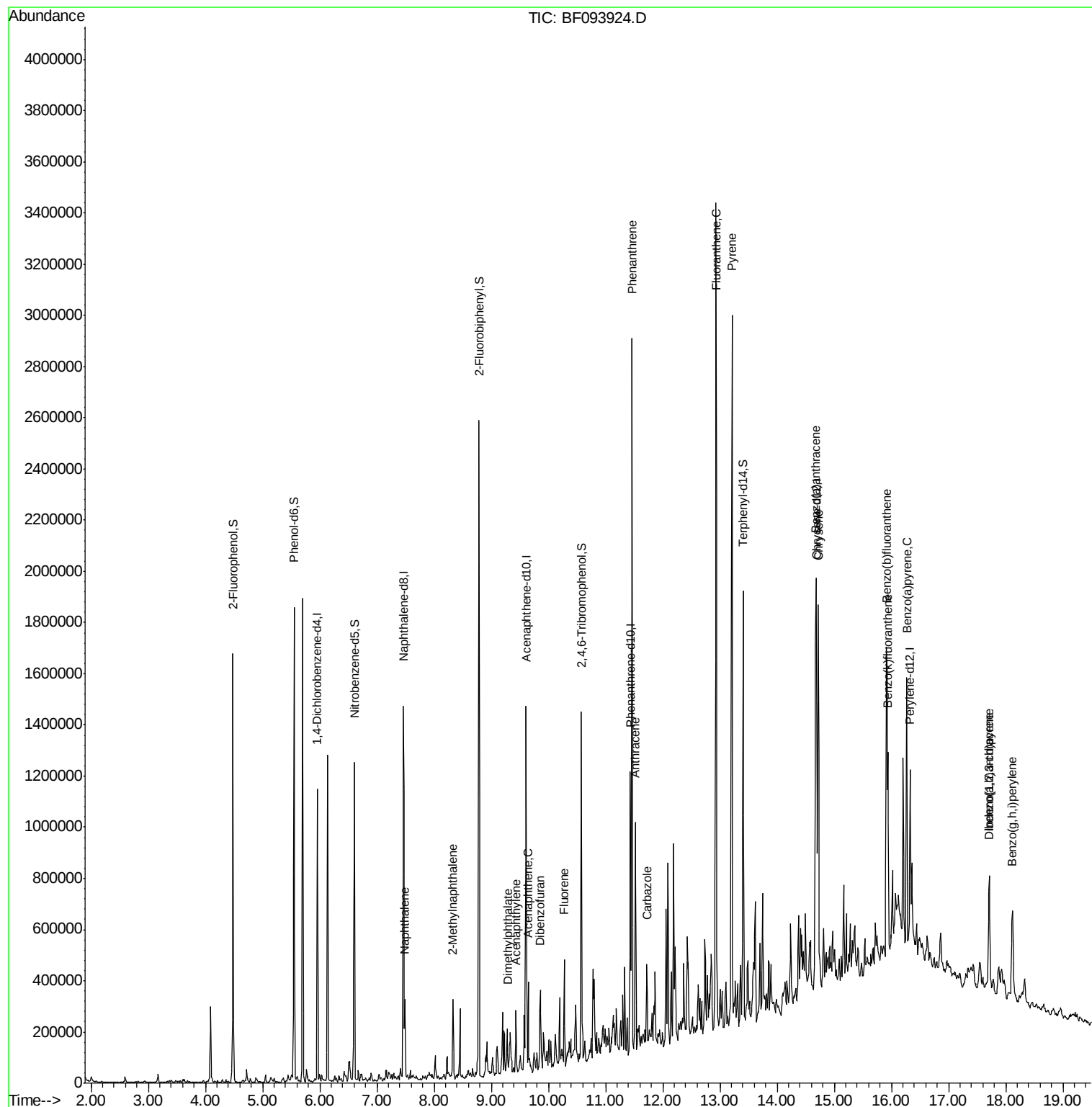
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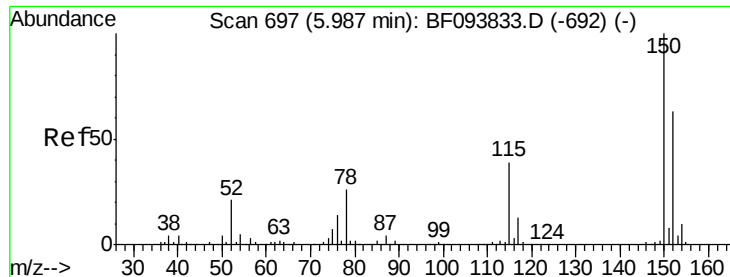
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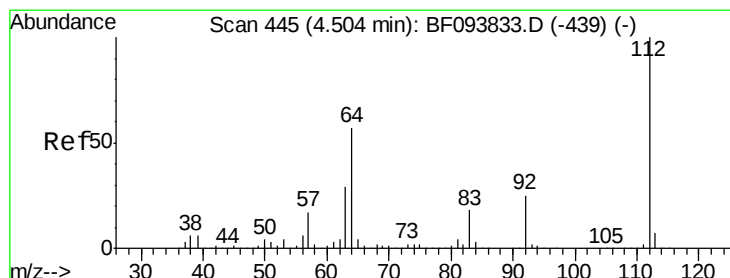
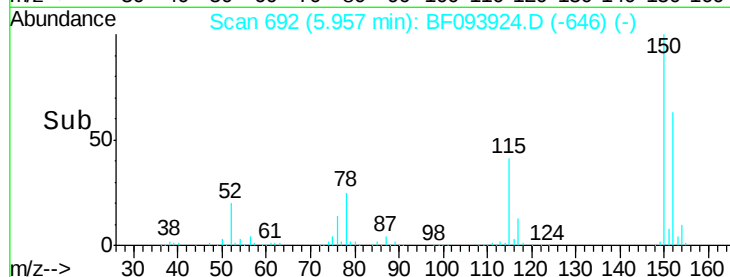
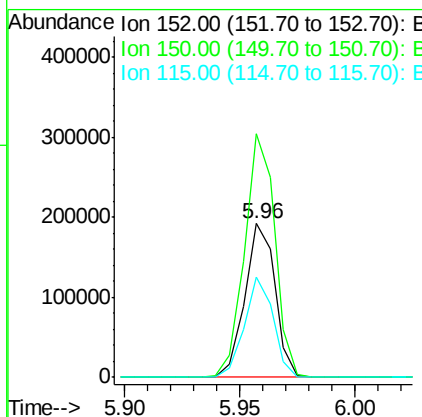
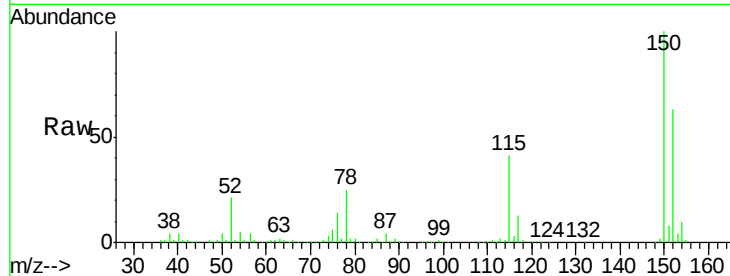
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 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.96 min Scan# 692
 Delta R.T. -0.03 min
 Lab File: BF093924.D
 Acq: 24 Mar 2017 23:25

Instrument :
 BNA_F
 ClientSampleId :
 E2-CC-DD-9-10-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	126.2	189.2
115	65.2	52.2	78.2

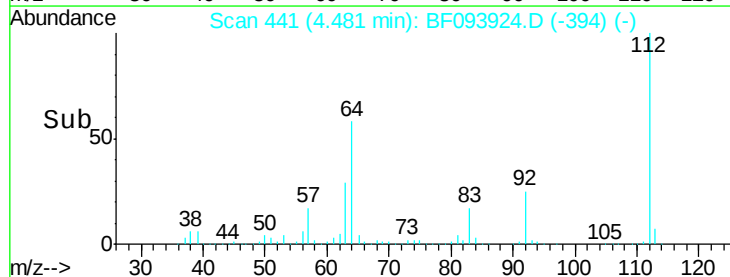
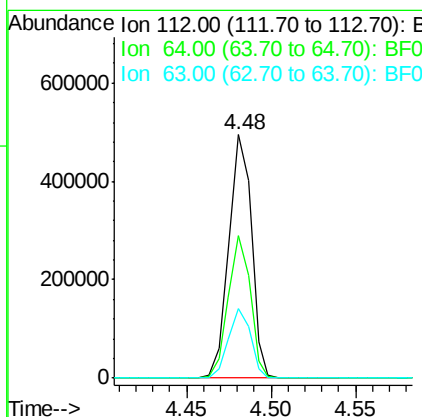
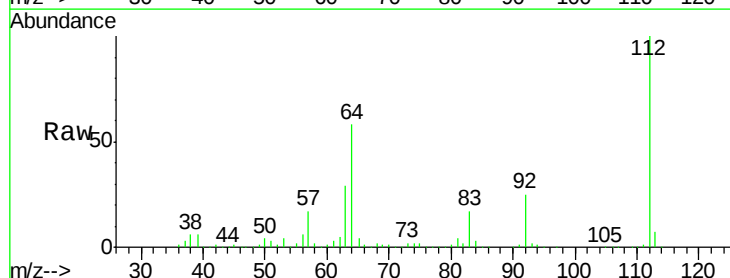
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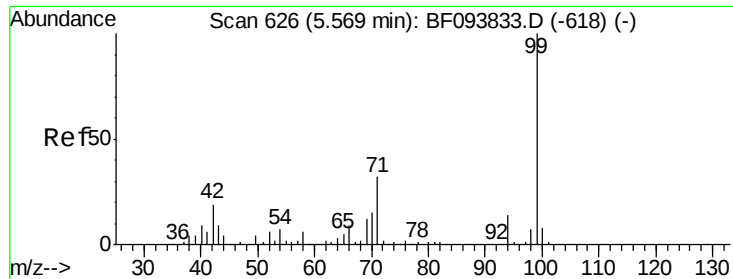
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#5
 2-Fluorophenol
 Concen: 44.18 ng
 RT: 4.48 min Scan# 441
 Delta R.T. -0.02 min
 Lab File: BF093924.D
 Acq: 24 Mar 2017 23:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	46.0	69.0
63	28.6	23.4	35.0





#7

Phenol-d6

Concen: 51.65 ng

RT: 5.55 min Scan# 623

Delta R.T. -0.02 min

Lab File: BF093924.D

Acq: 24 Mar 2017 23:25

Instrument :

BNA_F

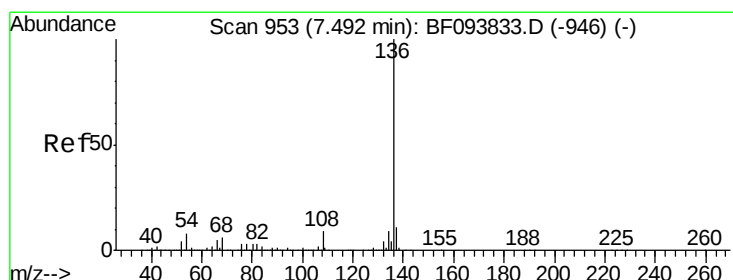
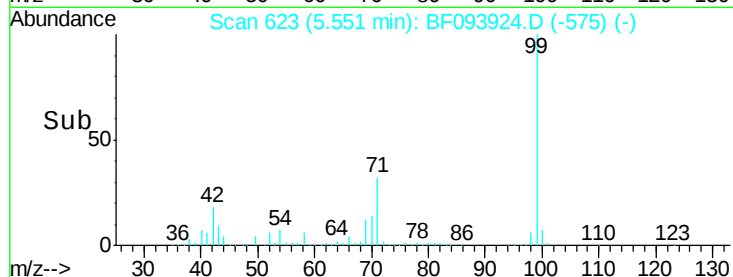
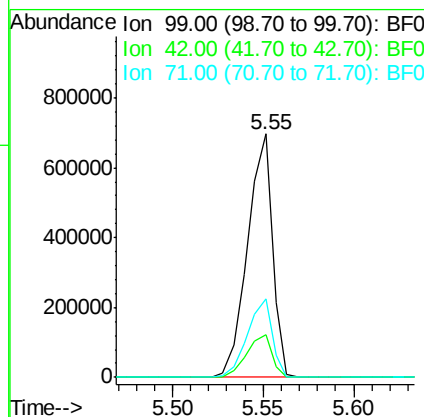
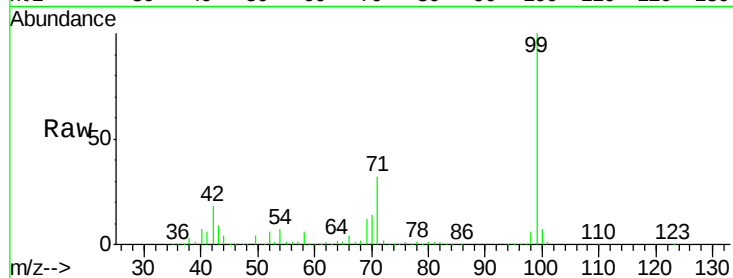
ClientSampleId :

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Tot Ion:	99	Resp:	667153
Ion Ratio	Lower	Upper	
99	100		
42	17.6	13.5	20.3
71	32.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

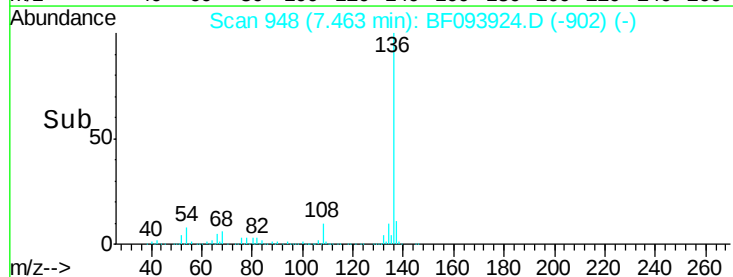
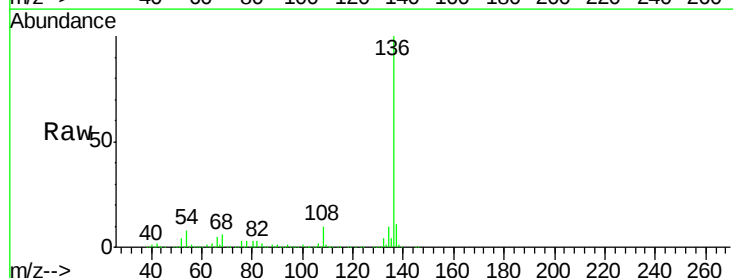
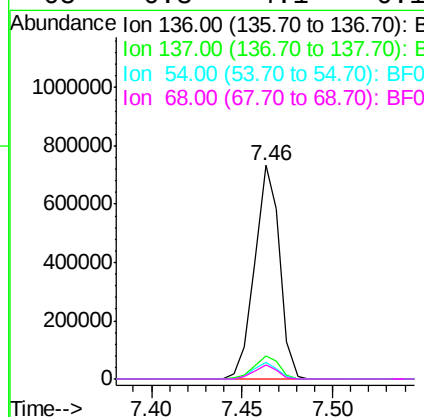
RT: 7.46 min Scan# 948

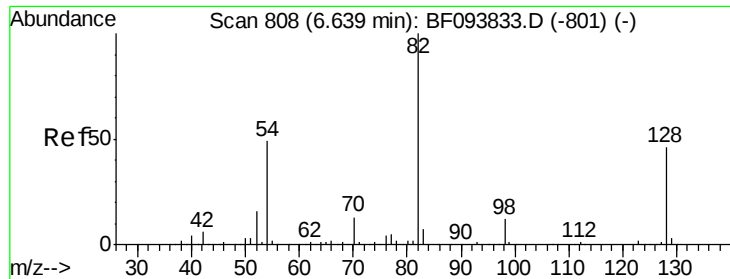
Delta R.T. -0.03 min

Lab File: BF093924.D

Acq: 24 Mar 2017 23:25

Tgt Ion:	136	Resp:	697844
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	7.7	4.9	7.3#
68	6.3	4.1	6.1#





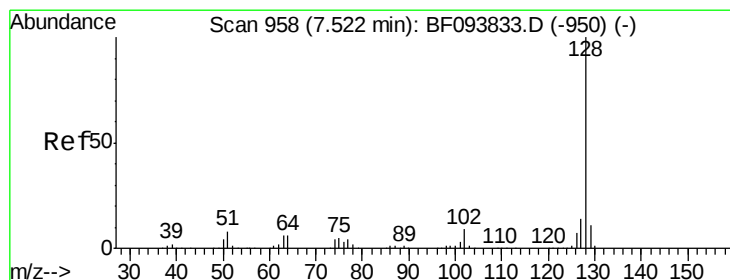
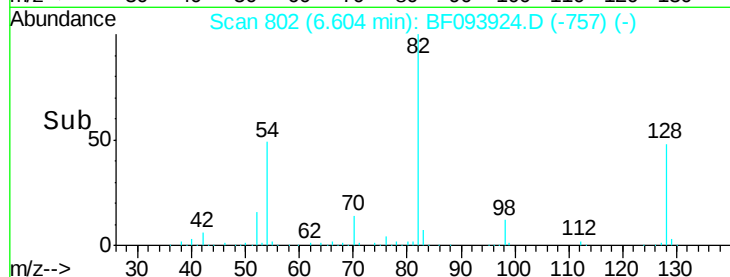
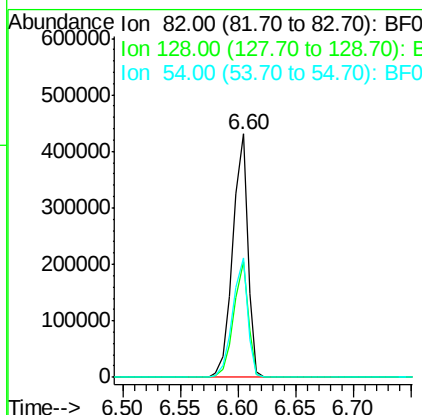
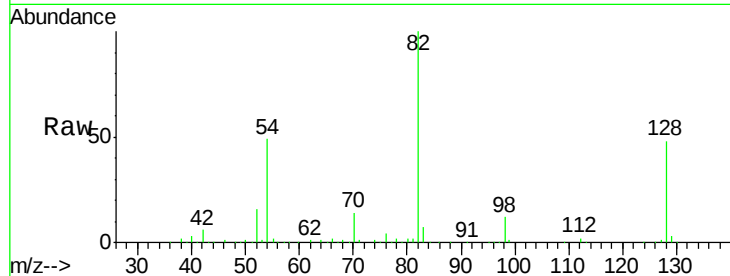
#23
Nitrobenzene-d5
Concen: 31.99 ng
RT: 6.60 min Scan# 802
Delta R.T. -0.04 min
Lab File: BF093924.D
Acq: 24 Mar 2017 23:25

Instrument :
BNA_F
ClientSampleId :
E2-CC-DD-9-10-BASE

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.5	34.0	51.0
54	49.3	42.2	63.2

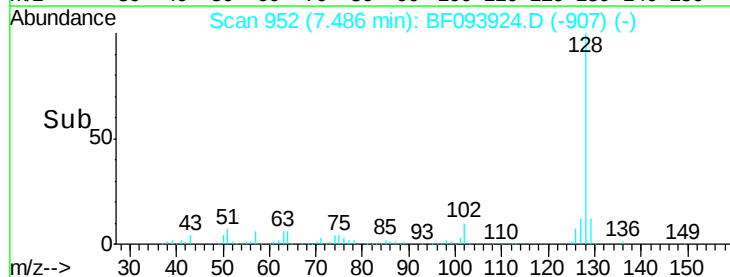
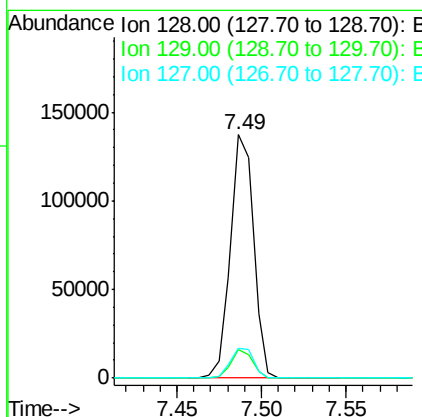
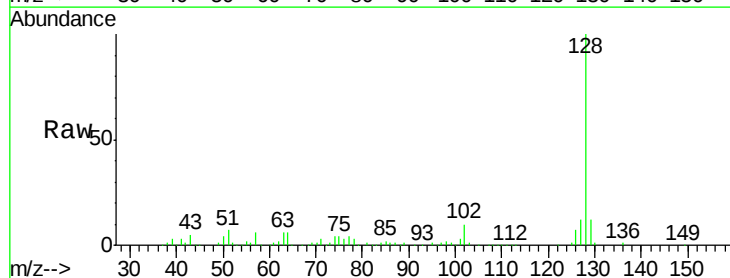
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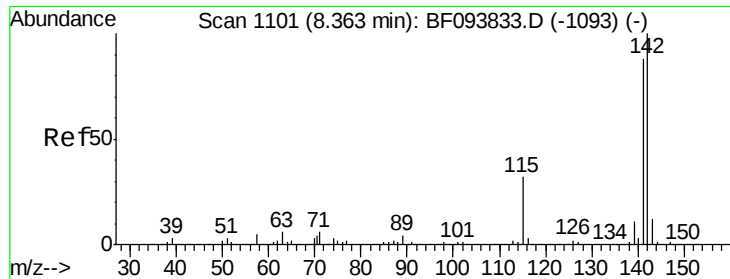
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#31
Naphthalene
Concen: 3.91 ng
RT: 7.49 min Scan# 952
Delta R.T. -0.04 min
Lab File: BF093924.D
Acq: 24 Mar 2017 23:25

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.0	13.6
127	12.5	10.8	16.2





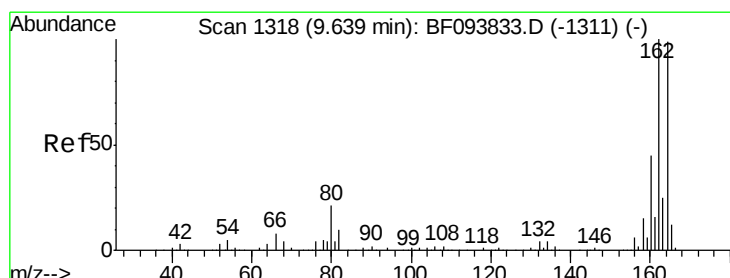
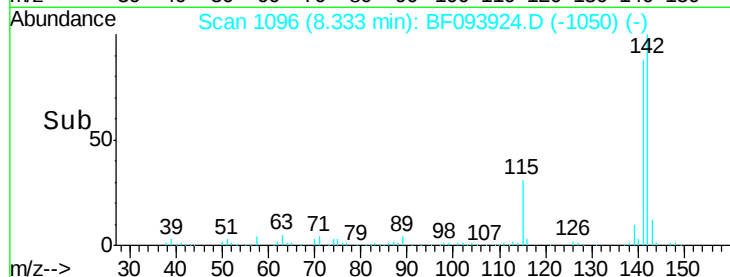
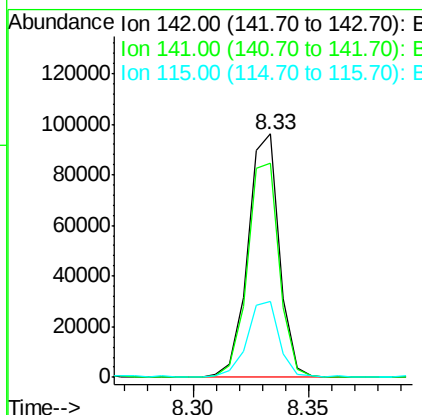
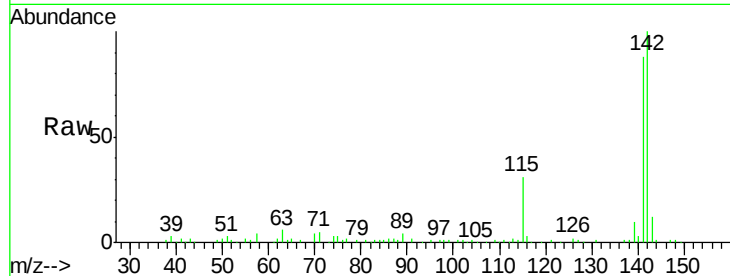
#37
2-Methylnaphthalene
Concen: 4.08 ng
RT: 8.33 min Scan# 1096
Delta R.T. -0.03 min
Lab File: BF093924.D
Acq: 24 Mar 2017 23:25

Instrument :
BNA_F
ClientSampleId :
E2-CC-DD-9-10-BASE

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.3	106.9
115	31.1	27.1	40.7

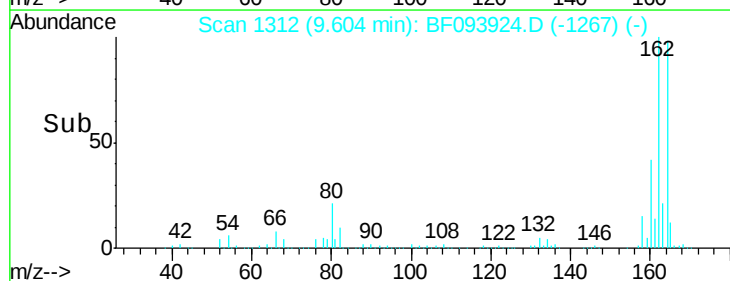
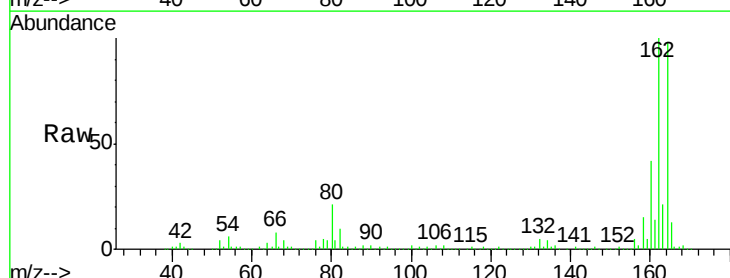
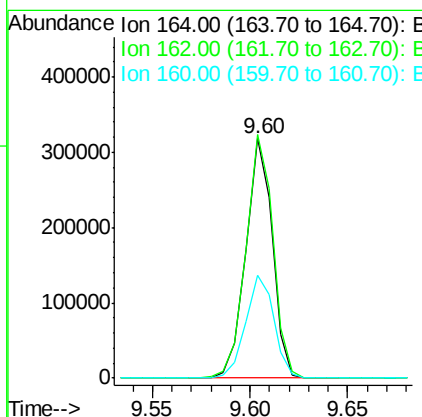
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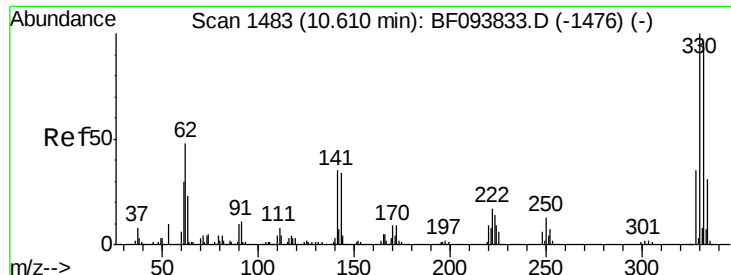
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.60 min Scan# 1312
Delta R.T. -0.04 min
Lab File: BF093924.D
Acq: 24 Mar 2017 23:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.6	123.8
160	43.0	36.2	54.2





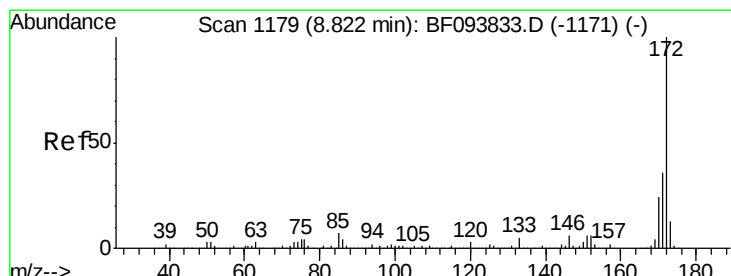
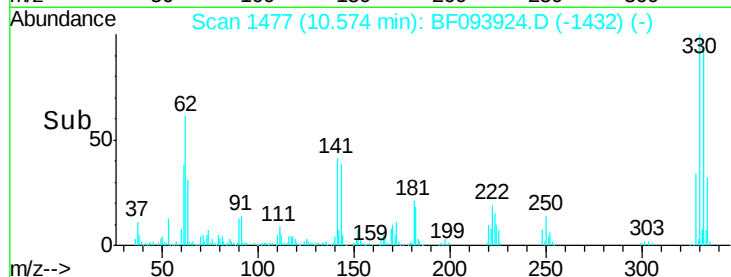
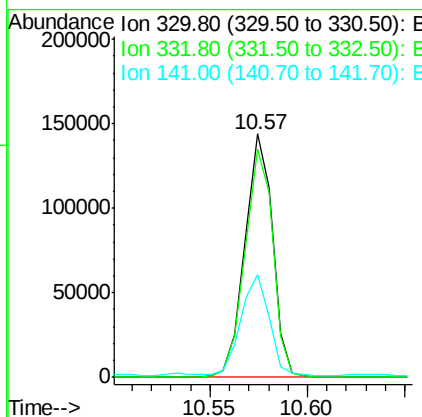
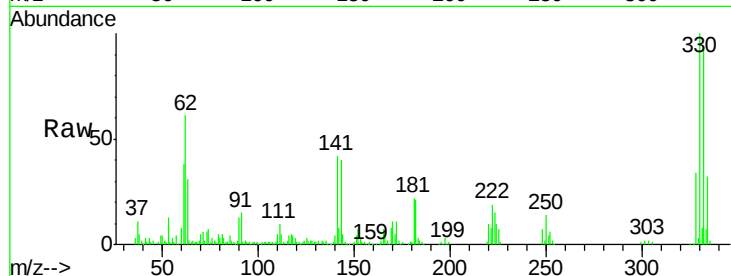
#41
 2,4,6-Tribromophenol
 Concen: 59.91 ng
 RT: 10.57 min Scan# 1477
 Delta R.T. -0.04 min
 Lab File: BF093924.D
 Acq: 24 Mar 2017 23:25

Instrument :
 BNA_F
 ClientSampleId :
 E2-CC-DD-9-10-BASE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	141729		
332	94.8	76.6	115.0	
141	42.6	31.4	47.2	

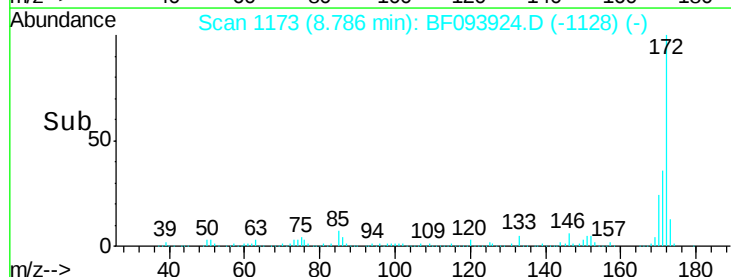
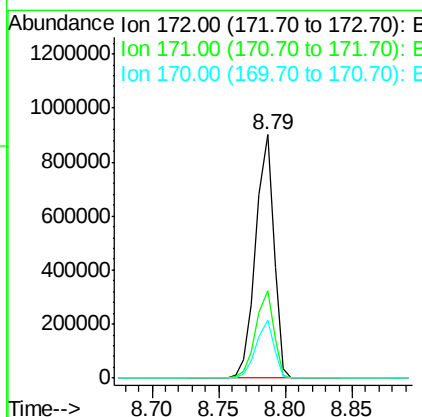
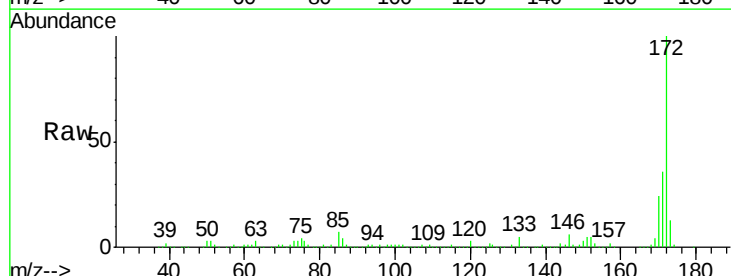
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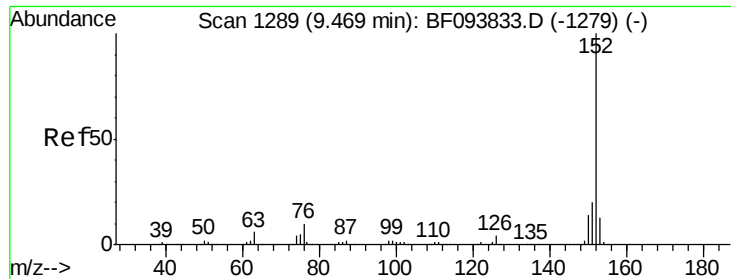
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#44
 2-Fluorobiphenyl
 Concen: 42.82 ng
 RT: 8.79 min Scan# 1173
 Delta R.T. -0.04 min
 Lab File: BF093924.D
 Acq: 24 Mar 2017 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	840516		
171	35.8	29.6	44.4	
170	23.6	19.8	29.8	





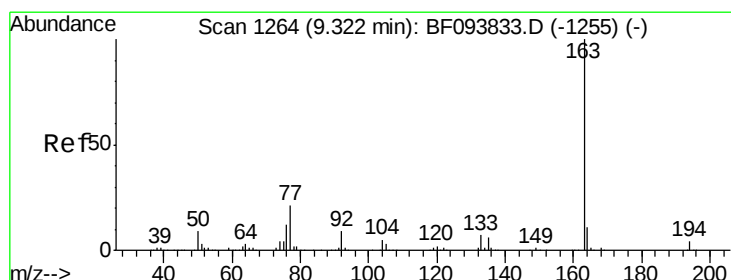
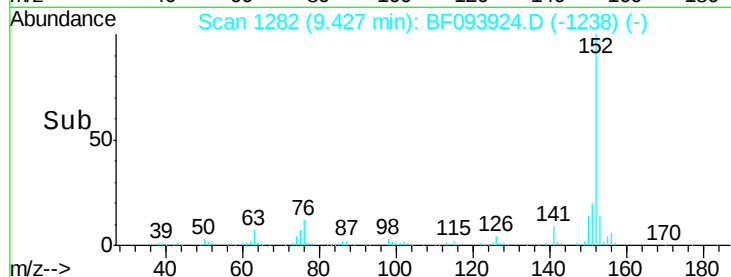
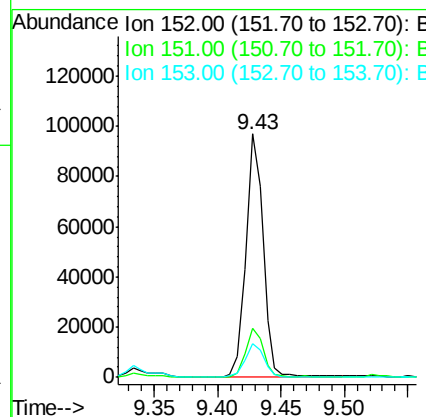
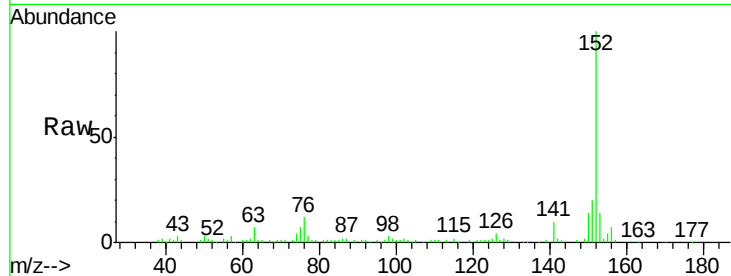
#48
Acenaphthylene
Concen: 2.92 ng
RT: 9.43 min Scan# 1282
Delta R.T. -0.04 min
Lab File: BF093924.D
Acq: 24 Mar 2017 23:25

Instrument :
BNA_F
ClientSampleId :
E2-CC-DD-9-10-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.8	25.2
153	14.0	10.8	16.2

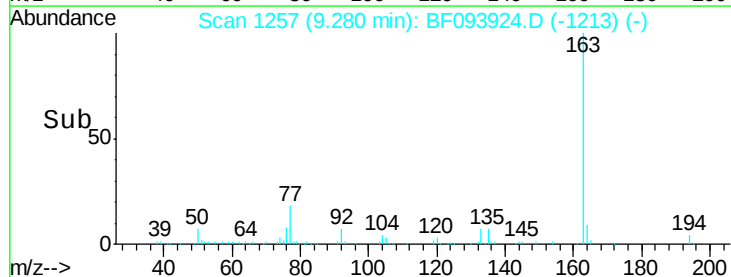
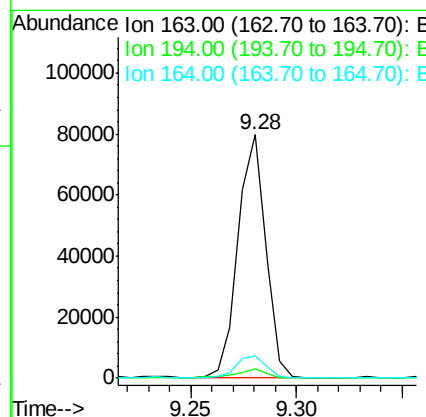
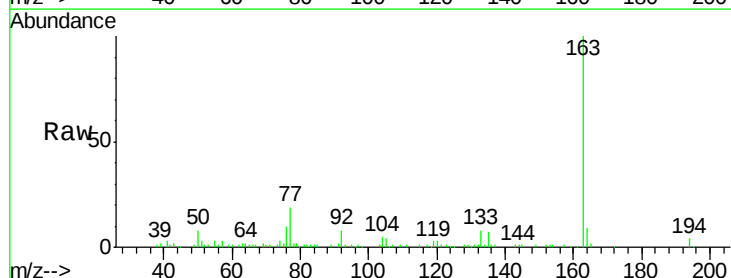
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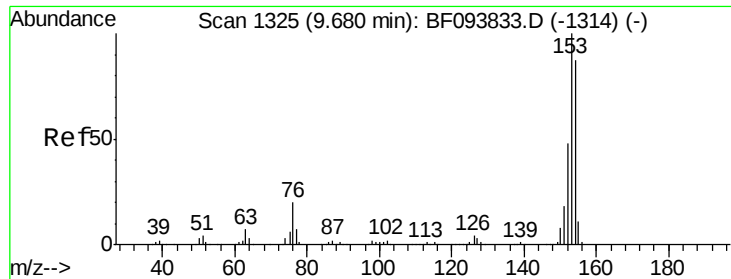
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#49
Dimethylphthalate
Concen: 3.39 ng
RT: 9.28 min Scan# 1257
Delta R.T. -0.04 min
Lab File: BF093924.D
Acq: 24 Mar 2017 23:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	9.2	8.4	12.6





#51

Acenaphthene

Concen: 3.91 ng

RT: 9.65 min Scan# 1319

Delta R.T. -0.04 min

Lab File: BF093924.D

Acq: 24 Mar 2017 23:25

Instrument :

BNA_F

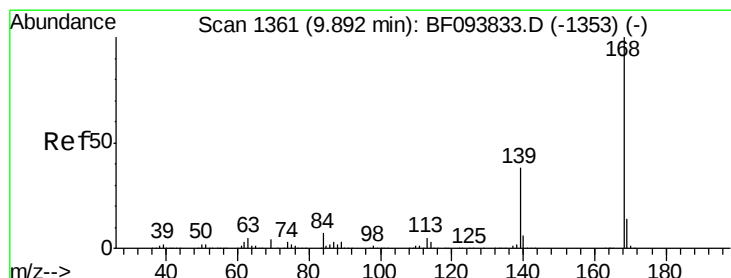
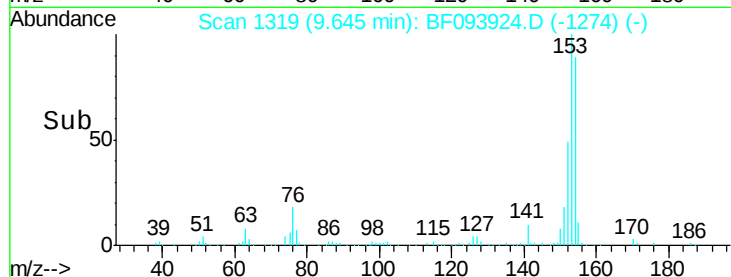
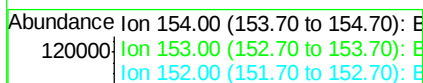
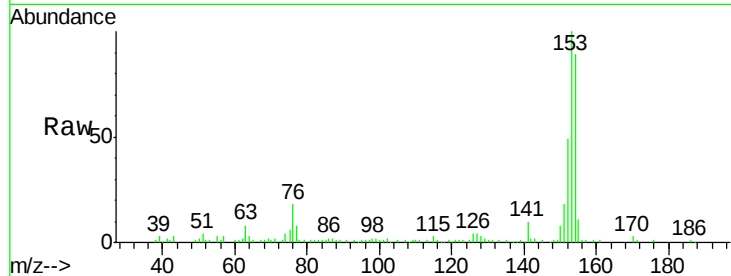
ClientSampleId :

E2-CC-DD-9-10-BASE

Tot Ion:	154	Resp:	71598
Ion	Ratio	Lower	Upper
154	100		
153	112.9	90.5	135.7
152	55.1	43.6	65.4

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#54

Dibenzofuran

Concen: 3.79 ng

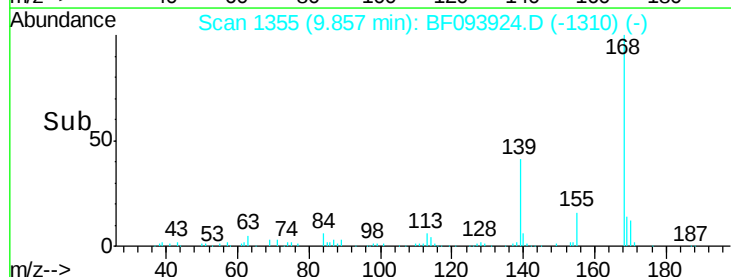
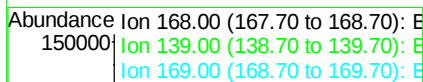
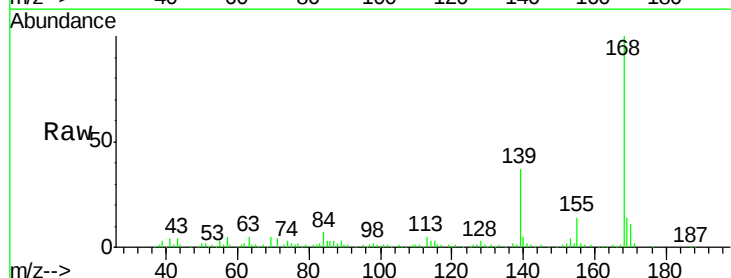
RT: 9.86 min Scan# 1355

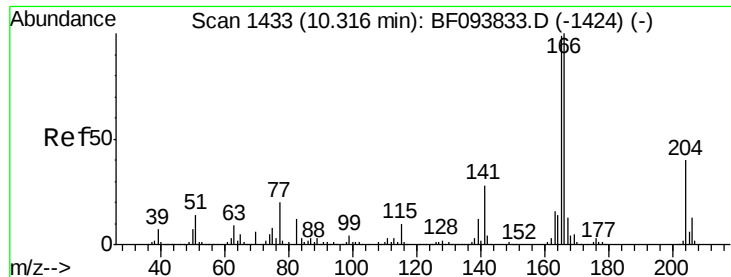
Delta R.T. -0.04 min

Lab File: BF093924.D

Acq: 24 Mar 2017 23:25

Tgt Ion:	168	Resp:	94590
Ion	Ratio	Lower	Upper
168	100		
139	36.6	30.6	45.8
169	14.4	10.8	16.2





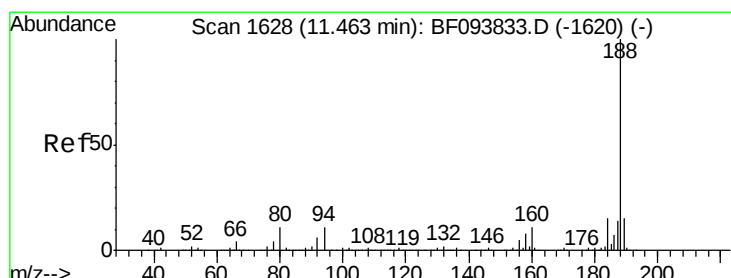
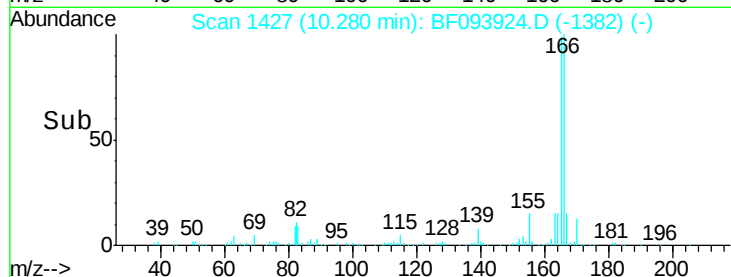
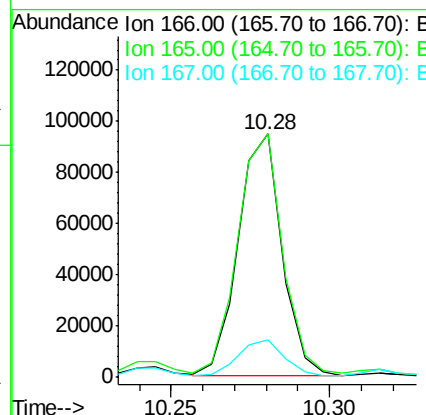
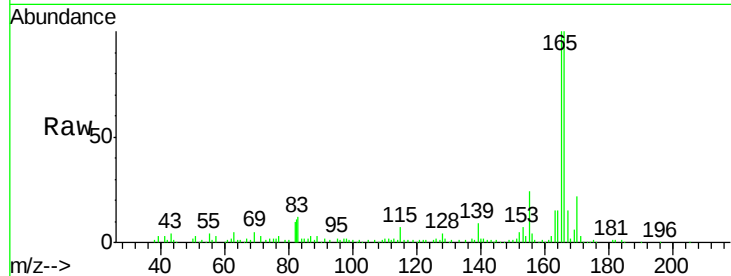
#57
Fluorene
Concen: 4.37 ng
RT: 10.28 min Scan# 1427
Delta R.T. -0.04 min
Lab File: BF093924.D
Acq: 24 Mar 2017 23:25

Instrument :
BNA_F
ClientSampleId :
E2-CC-DD-9-10-BASE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	100.2	78.8	118.2		
167	15.3	10.6	16.0		

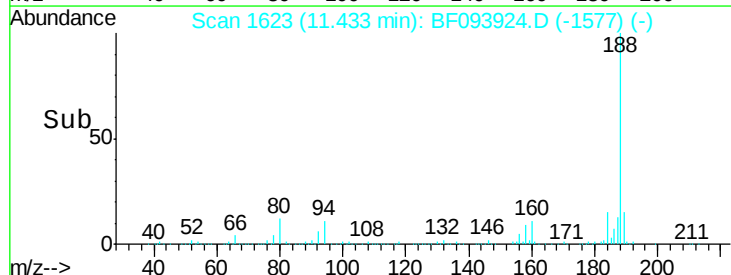
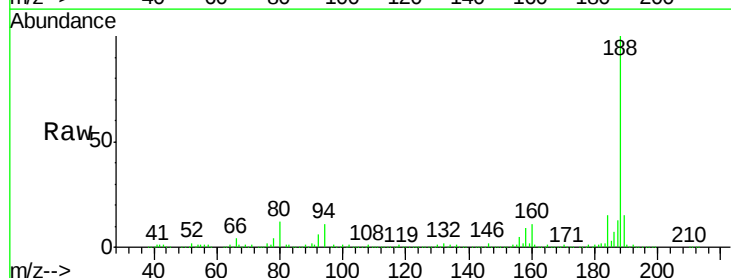
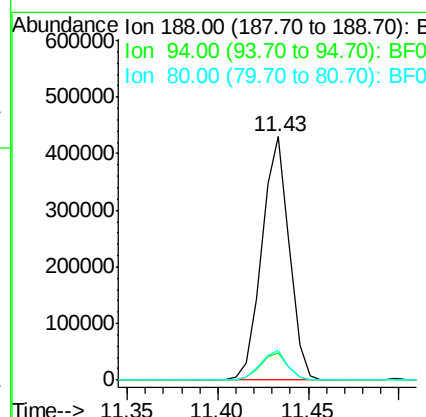
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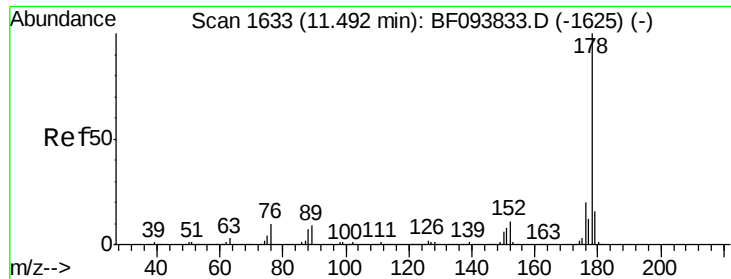
mohammad
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 1623
Delta R.T. -0.03 min
Lab File: BF093924.D
Acq: 24 Mar 2017 23:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	11.4	9.4	14.2		
80	12.1	10.2	15.2		





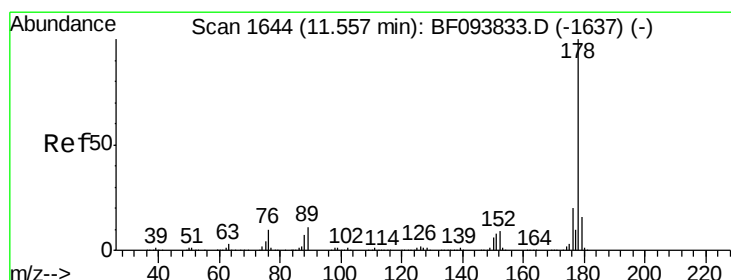
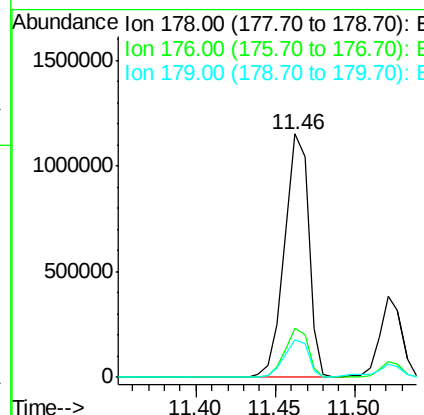
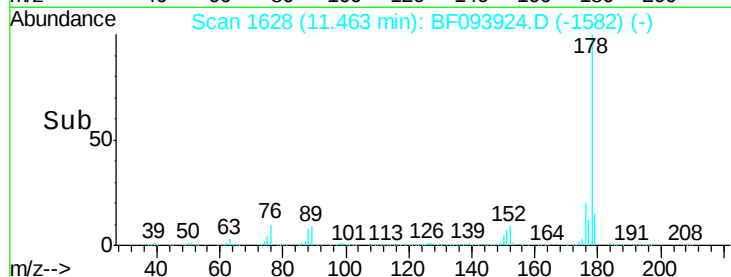
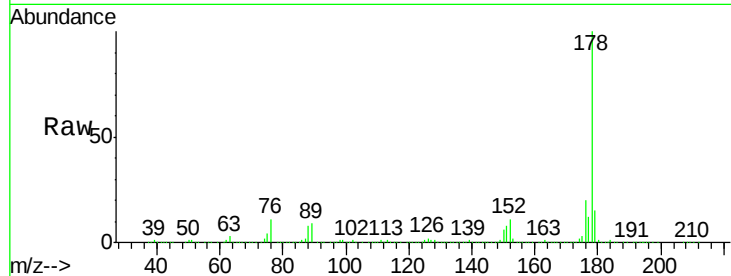
#70
Phenanthrene
Concen: 48.93 ng
RT: 11.46 min Scan# 1628
Delta R.T. -0.03 min
Lab File: BF093924.D
Acq: 24 Mar 2017 23:25

Instrument :
BNA_F
ClientSampleId :
E2-CC-DD-9-10-BASE

Tot Ion:178 Resp: 1225513
Ion Ratio Lower Upper
178 100
176 20.0 16.2 24.4
179 15.4 12.6 19.0

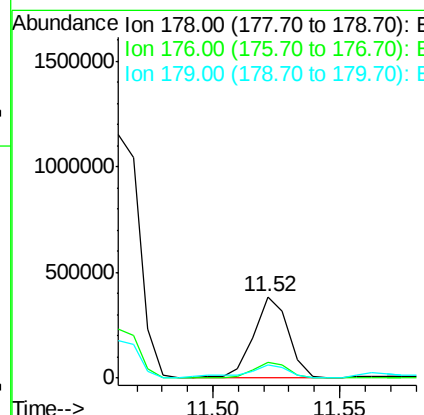
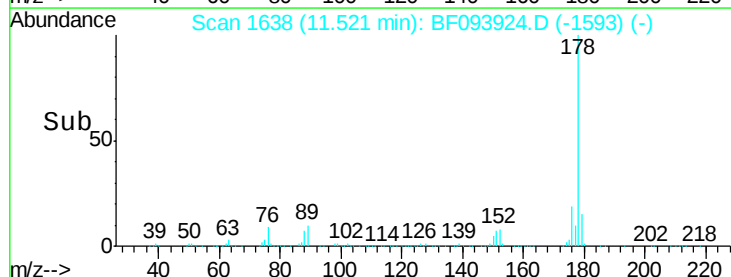
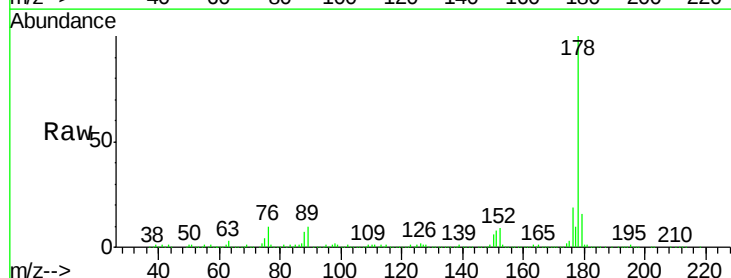
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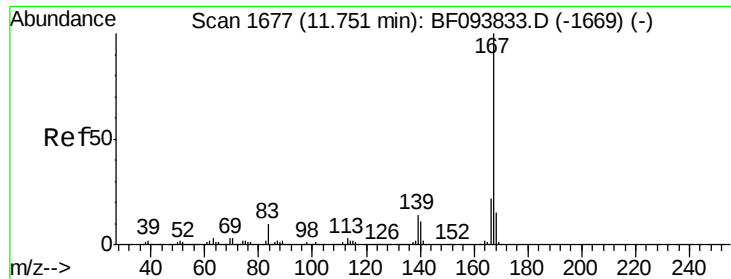
mohammad
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#71
Anthracene
Concen: 14.00 ng
RT: 11.52 min Scan# 1638
Delta R.T. -0.04 min
Lab File: BF093924.D
Acq: 24 Mar 2017 23:25

Tgt Ion:178 Resp: 361015
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 15.6 12.7 19.1





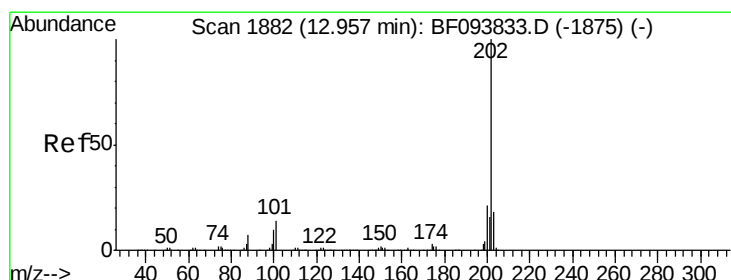
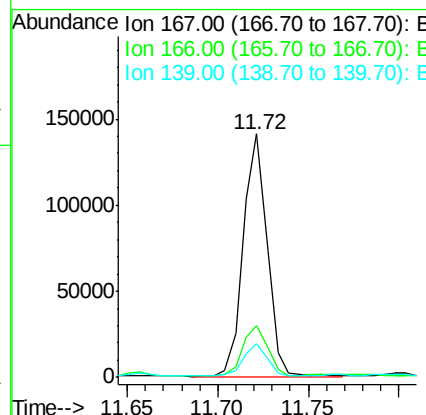
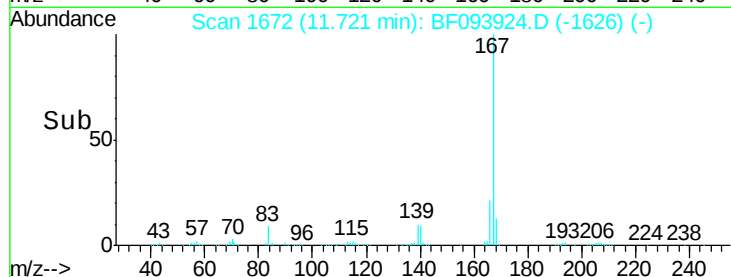
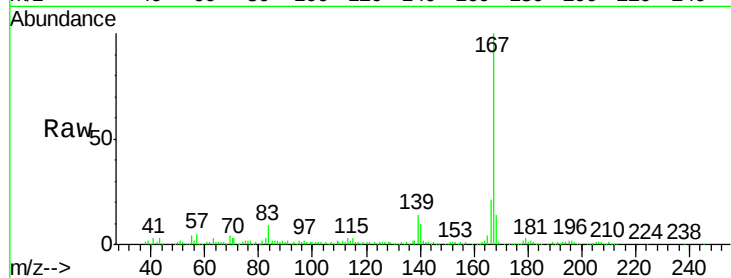
#72
 Carbazole
 Concen: 4.88 ng
 RT: 11.72 min Scan# 1672
 Delta R.T. -0.03 min
 Lab File: BF093924.D
 Acq: 24 Mar 2017 23:25

Instrument :
 BNA_F
 ClientSampleId :
 E2-CC-DD-9-10-BASE

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.1	18.1	27.1
139	13.9	11.7	17.5

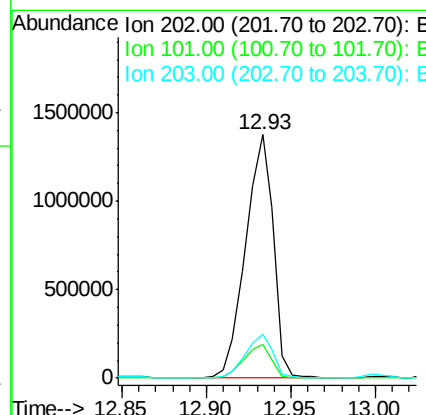
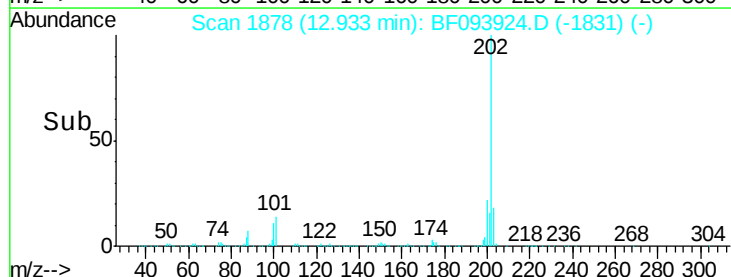
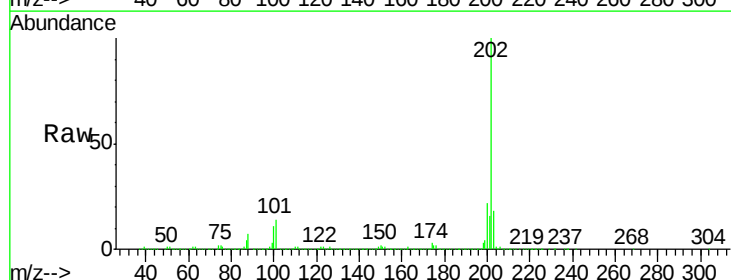
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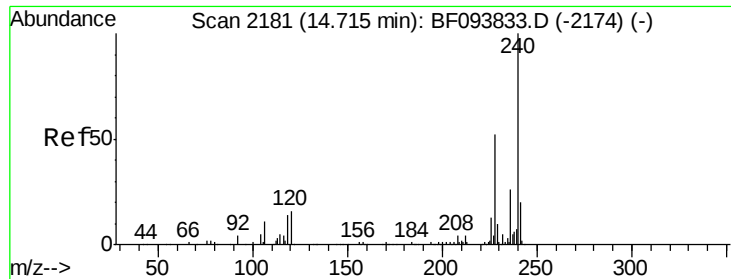
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#74
 Fluoranthene
 Concen: 61.35 ng
 RT: 12.93 min Scan# 1878
 Delta R.T. -0.02 min
 Lab File: BF093924.D
 Acq: 24 Mar 2017 23:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	33.2
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.69 min Scan# 2177

Delta R.T. -0.02 min

Lab File: BF093924.D

Acq: 24 Mar 2017 23:25

Instrument :

BNA_F

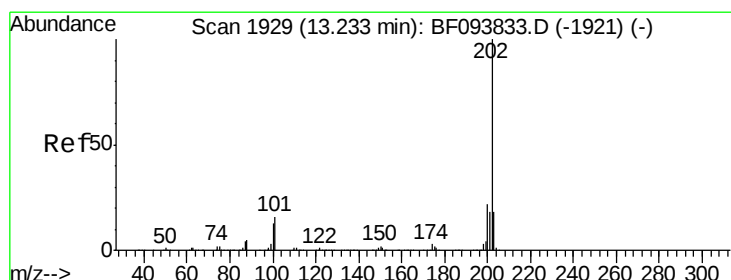
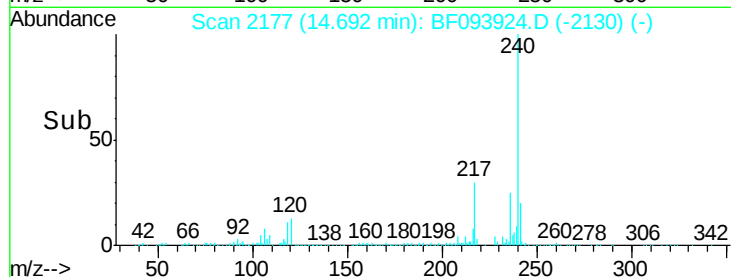
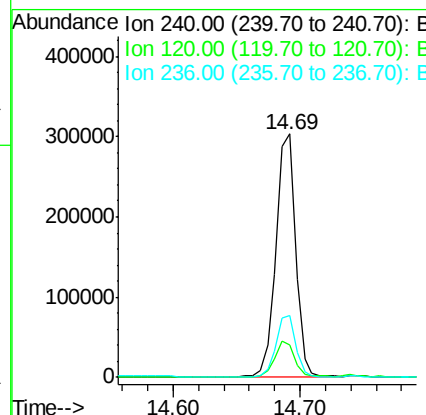
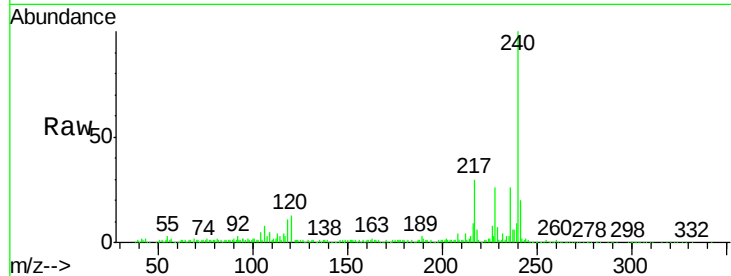
ClientSampleId :

E2-CC-DD-9-10-BASE

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.1	5.8	8.8#
236	25.5	20.5	30.7

Manual Integrations
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#77

Pyrene

Concen: 58.93 ng

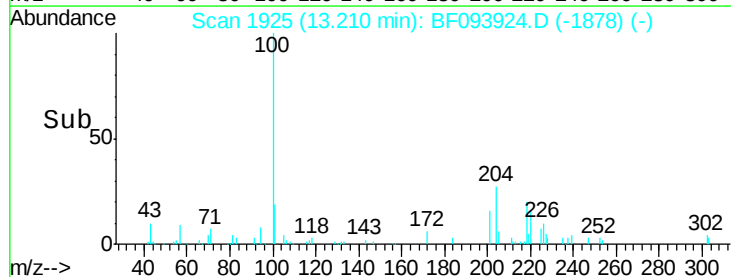
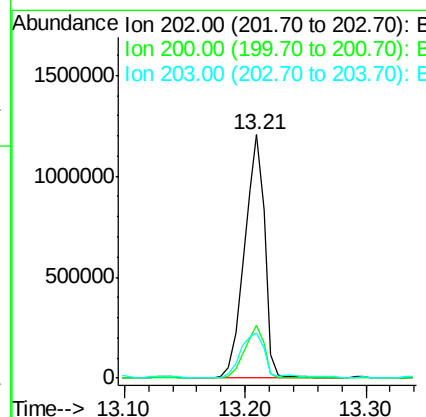
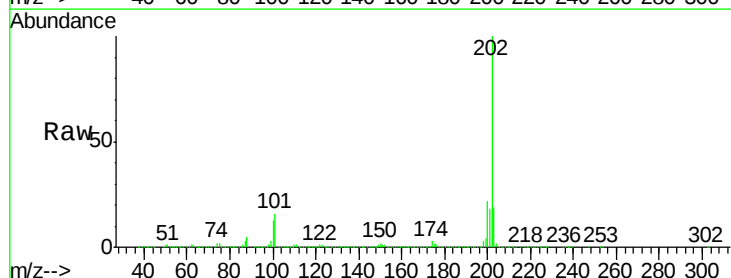
RT: 13.21 min Scan# 1925

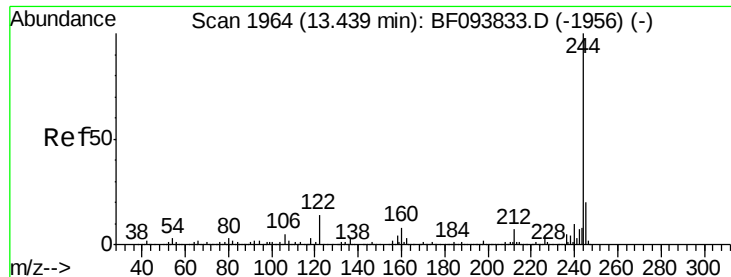
Delta R.T. -0.02 min

Lab File: BF093924.D

Acq: 24 Mar 2017 23:25

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.6	26.4
203	18.7	14.4	21.6





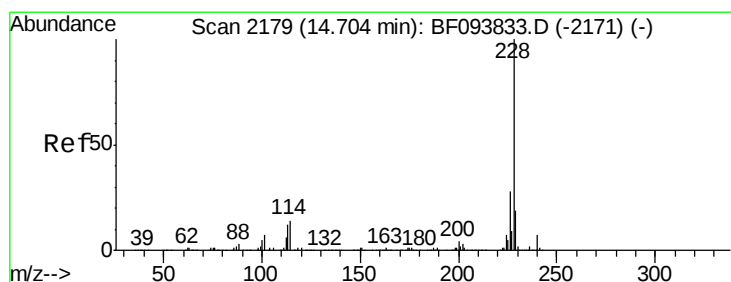
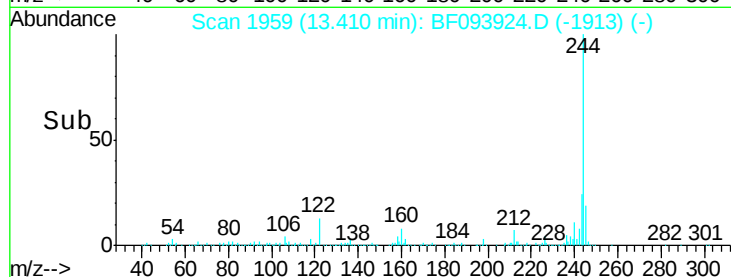
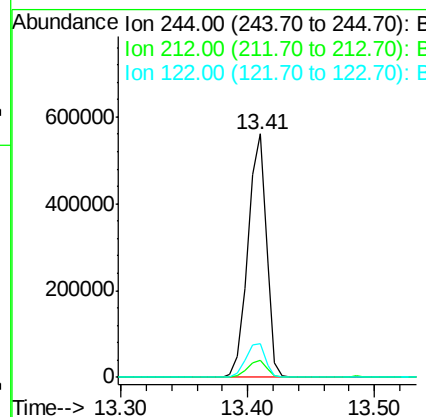
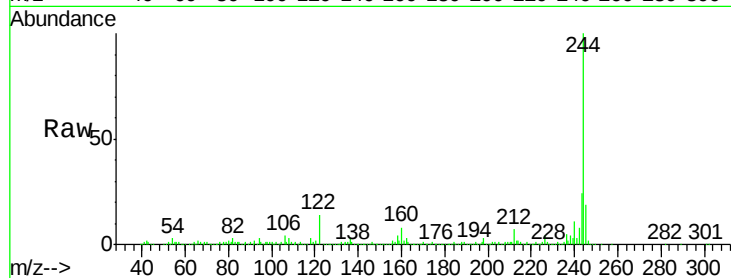
#78
 Terphenyl-d14
 Concen: 38.67 ng
 RT: 13.41 min Scan# 1959
 Delta R.T. -0.03 min
 Lab File: BF093924.D
 Acq: 24 Mar 2017 23:25

Instrument :
 BNA_F
 ClientSampleId :
 E2-CC-DD-9-10-BASE

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	13.6	10.3	15.5

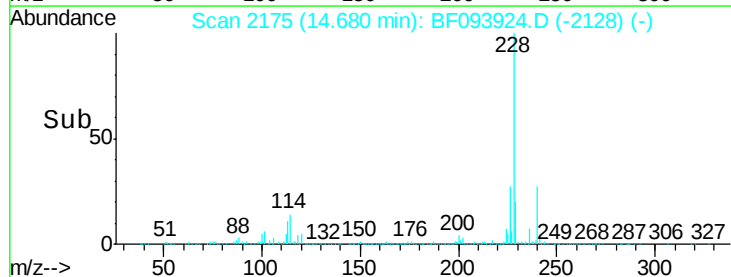
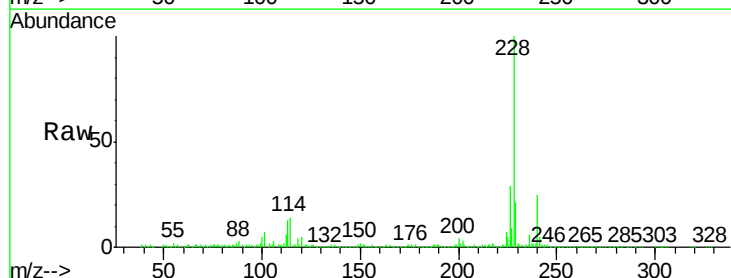
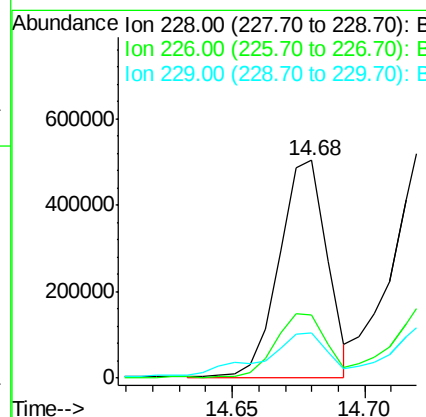
Manual Integrations
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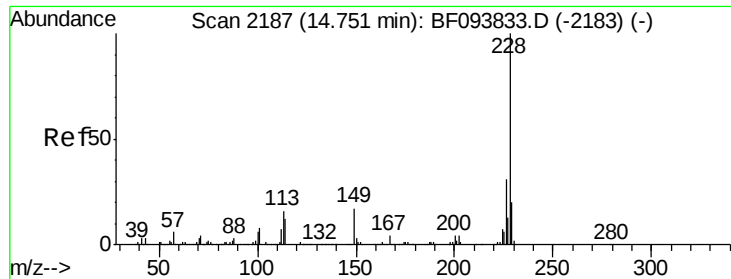
mohammad
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#80
 Benzo(a)anthracene
 Concen: 33.37 ng m
 RT: 14.68 min Scan# 2175
 Delta R.T. -0.02 min
 Lab File: BF093924.D
 Acq: 24 Mar 2017 23:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	20.6	16.3	24.5





#82

Chrysene

Concen: 38.15 ng/mL

RT: 14.72 min Scan# 2182

Delta R.T. -0.03 min

Lab File: BF093924.D

Acq: 24 Mar 2017 23:25

Instrument :

BNA_F

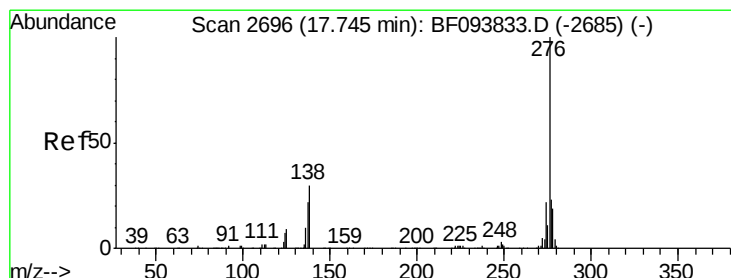
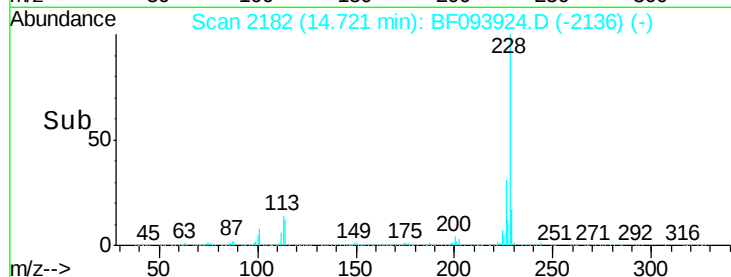
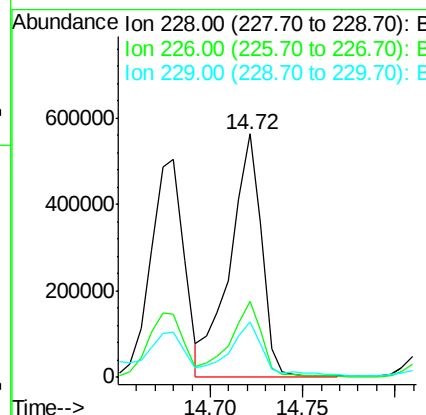
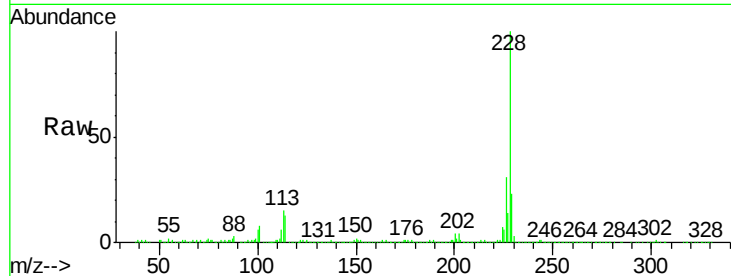
ClientSampleId :

E2-CC-DD-9-10-BASE

Tot Ion:	228	Resp:	673245
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.9	37.3
229	22.5	15.8	23.6

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 18.36 ng/mL

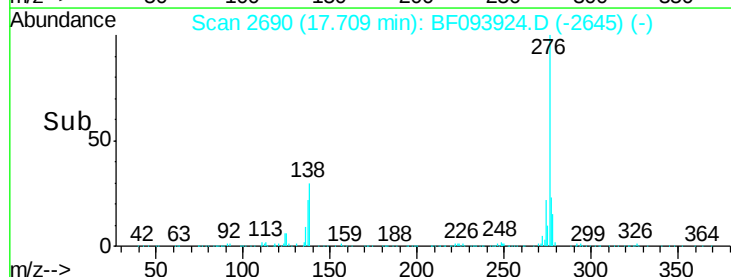
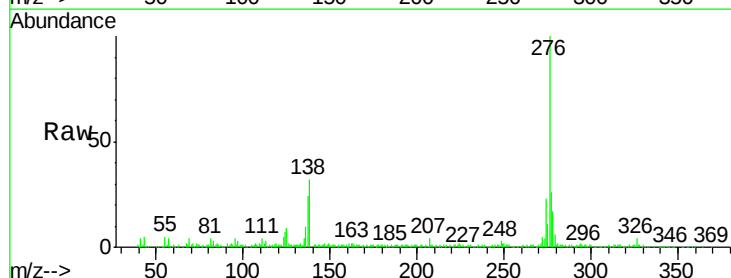
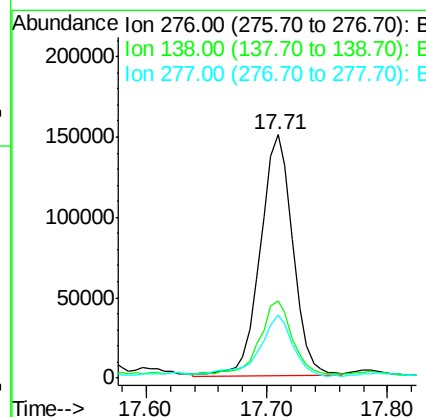
RT: 17.71 min Scan# 2690

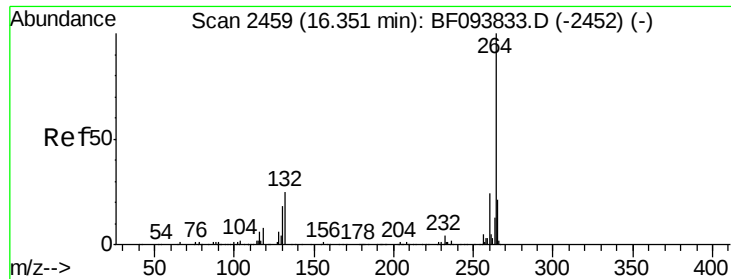
Delta R.T. -0.04 min

Lab File: BF093924.D

Acq: 24 Mar 2017 23:25

Tgt Ion:	276	Resp:	280700
Ion Ratio	Lower	Upper	
276	100		
138	30.4	27.8	41.6
277	26.4	20.2	30.4





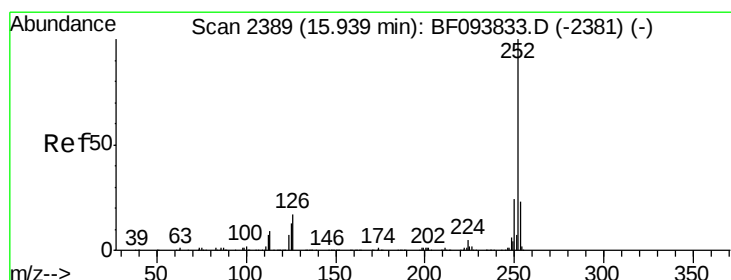
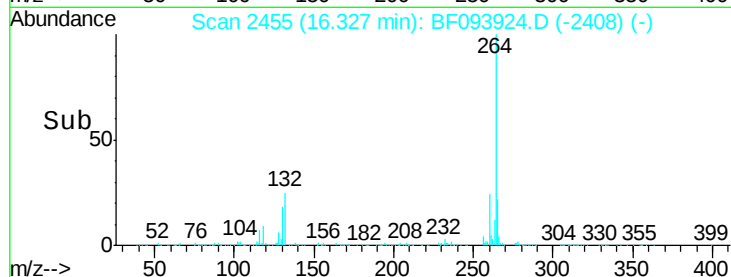
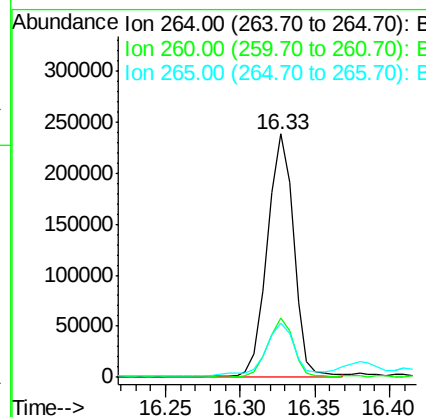
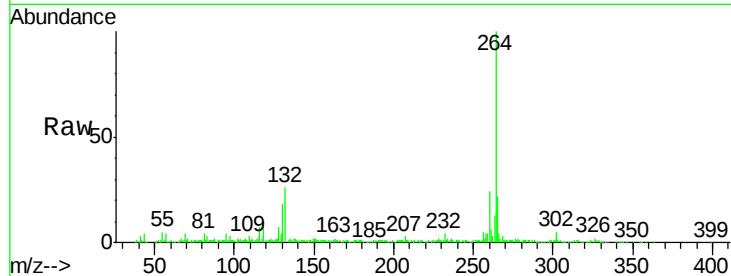
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.33 min Scan# 2455
Delta R.T. -0.02 min
Lab File: BF093924.D
Acq: 24 Mar 2017 23:25

Instrument :
BNA_F
ClientSampleId :
E2-CC-DD-9-10-BASE

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	22.1	17.2	25.8

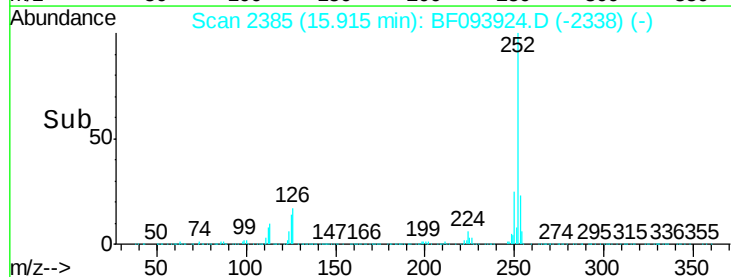
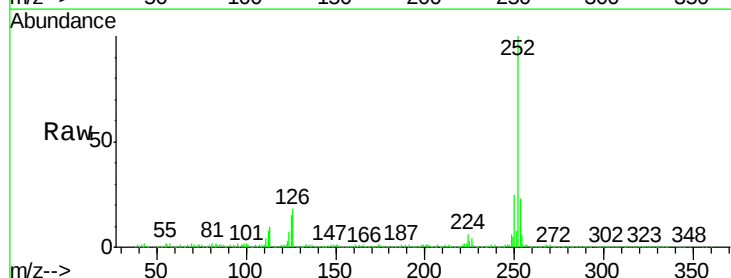
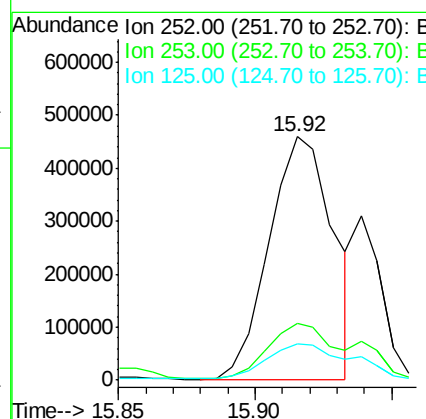
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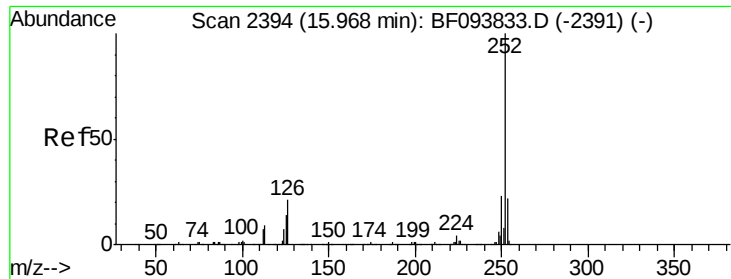
mohammad
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#87
Benzo(b)fluoranthene
Concen: 42.27 ng m
RT: 15.92 min Scan# 2385
Delta R.T. -0.02 min
Lab File: BF093924.D
Acq: 24 Mar 2017 23:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	15.1	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 12.69 ng/mL

RT: 15.94 min Scan# 2389

Delta R.T. -0.03 min

Lab File: BF093924.D

Acq: 24 Mar 2017 23:25

Instrument :

BNA_F

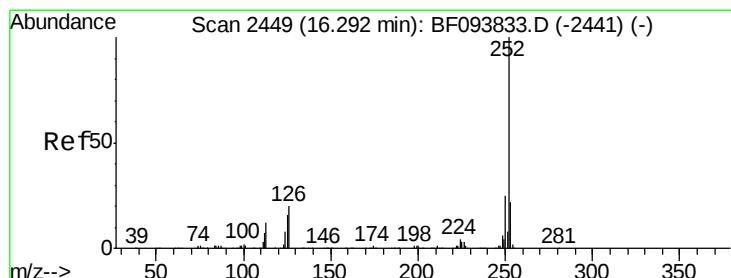
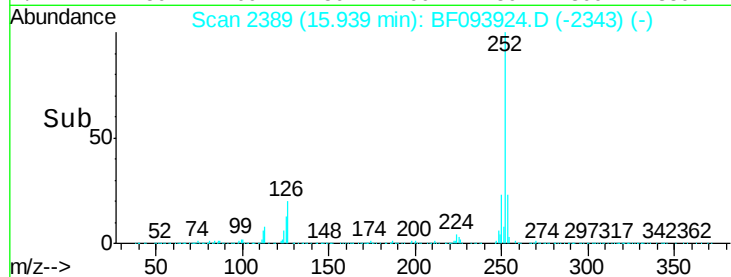
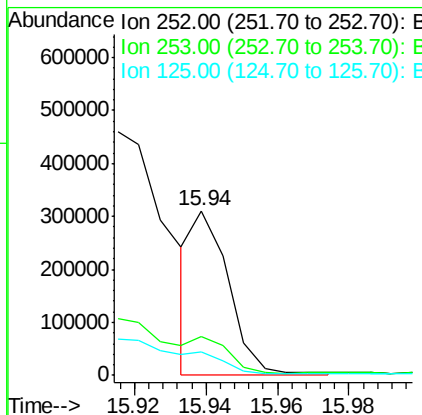
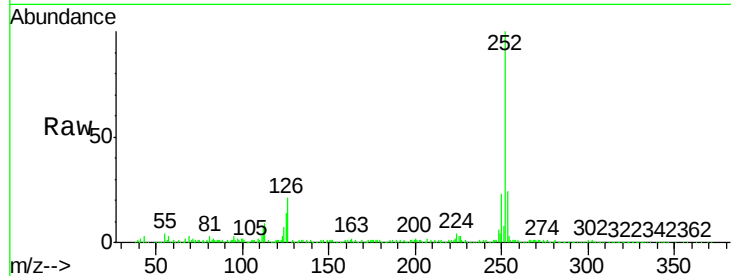
ClientSampleId :

E2-CC-DD-9-10-BASE

Tot Ion:	252	Resp:	221199
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.4	27.6
125	14.3	13.1	19.7

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 29.81 ng/mL

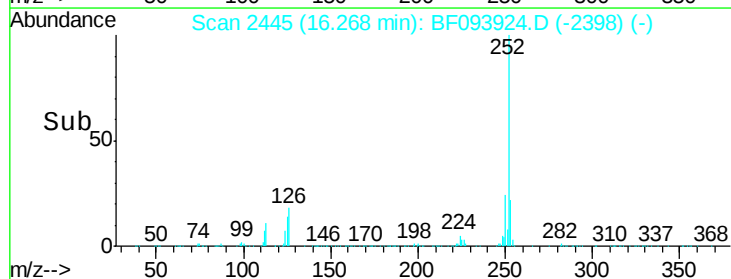
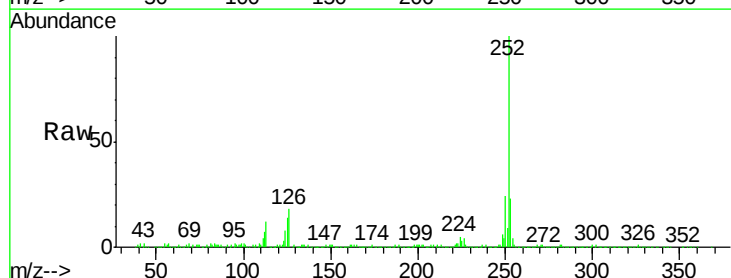
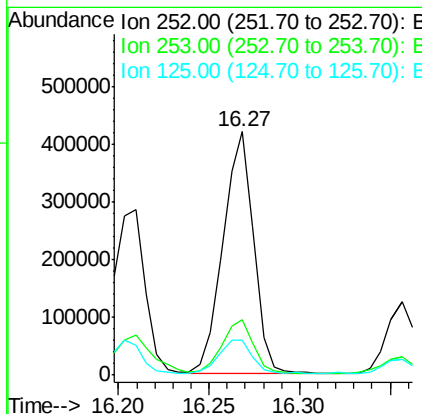
RT: 16.27 min Scan# 2445

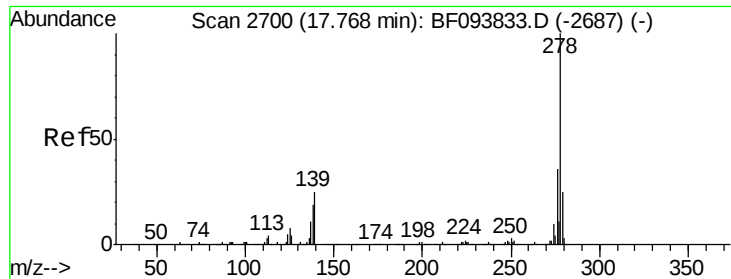
Delta R.T. -0.02 min

Lab File: BF093924.D

Acq: 24 Mar 2017 23:25

Tgt Ion:	252	Resp:	488833
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.5	26.3
125	14.5	11.0	16.4





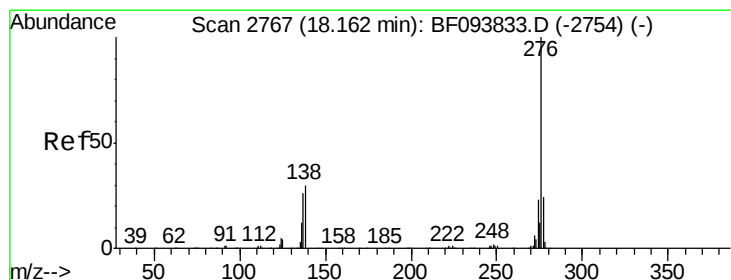
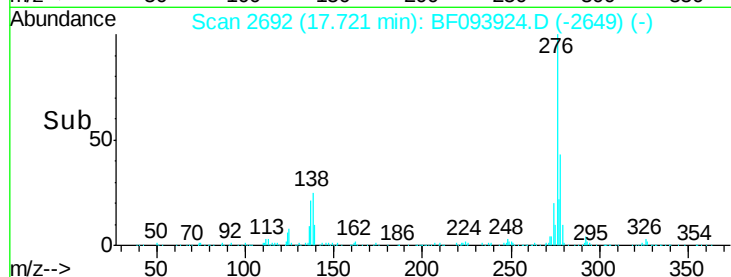
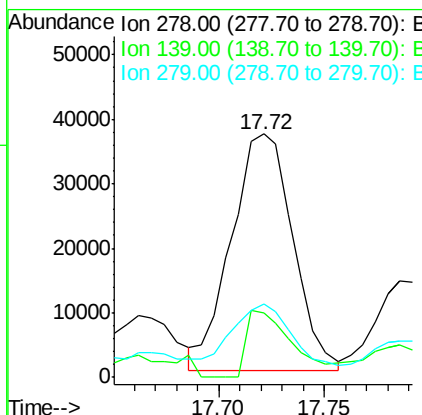
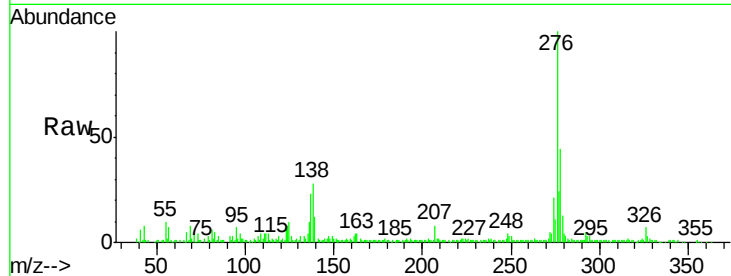
#90
Dibenzo(a,h)anthracene
Concen: 5.32 ng
RT: 17.72 min Scan# 2692
Delta R.T. -0.05 min
Lab File: BF093924.D
Acq: 24 Mar 2017 23:25

Instrument :
BNA_F
ClientSampleId :
E2-CC-DD-9-10-BASE

Tot Ion	Ratio	Lower	Upper
278	100		
139	26.7	16.6	24.8#
279	29.9	19.3	28.9#

Manual Integrations
APPROVED

mohammad
3/27/2017 12:56:26 PM



#91
Benzo(g,h,i)perylene
Concen: 18.22 ng
RT: 18.12 min Scan# 2759
Delta R.T. -0.05 min
Lab File: BF093924.D
Acq: 24 Mar 2017 23:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	28.0
138	30.3	25.4	38.0

