

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
 Data File : BF093275.D
 Acq On : 1 Mar 2017 5:58
 Operator : SJ/MA
 Sample : I1972-11DL 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-BASE-3DL

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Quant Time: Mar 01 06:47:02 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	127499	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	491718	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	205815	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	340783	20.00	ng	-0.05
75) Chrysene-d12	13.99	240	269195	20.00	ng	-0.03
86) Perylene-d12	15.40	264	216368	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	215215	28.96	ng	-0.03
7) Phenol-d6	6.46	99	274775	28.74	ng	-0.02
23) Nitrobenzene-d5	7.38	82	166376	18.84	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	35840	24.08	ng	-0.05
44) 2-Fluorobiphenyl	9.17	172	279194	24.58	ng	-0.05
78) Terphenyl-d14	12.91	244	201748	17.61	ng	-0.06
Target Compounds						Qvalue
31) Naphthalene	8.12	128	117683	4.72	ng	97
37) 2-Methylnaphthalene	8.81	142	38947	2.43	ng	99
48) Acenaphthylene	9.71	152	214632	10.66	ng	96
70) Phenanthrene	11.36	178	168753	8.64	ng	97
71) Anthracene	11.41	178	200323	10.22	ng	96
72) Carbazole	11.57	167	60744	3.24	ng	96
74) Fluoranthene	12.56	202	1270092	63.07	ng	91
77) Pyrene	12.78	202	1128042	55.99	ng	98
80) Benzo(a)anthracene	13.97	228	922961	56.06	ng	# 90
82) Chrysene	14.01	228	783383m	50.82	ng	
85) Indeno(1,2,3-cd)pyrene	16.80	276	287695	24.09	ng	97
87) Benzo(b)fluoranthene	15.00	252	891217m	62.58	ng	
88) Benzo(k)fluoranthene	15.03	252	310589m	25.26	ng	
89) Benzo(a)pyrene	15.35	252	465239	37.77	ng	99
90) Dibenzo(a,h)anthracene	16.80	278	95403m	9.58	ng	
91) Benzo(g,h,i)perylene	17.22	276	235008	23.37	ng	# 91

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

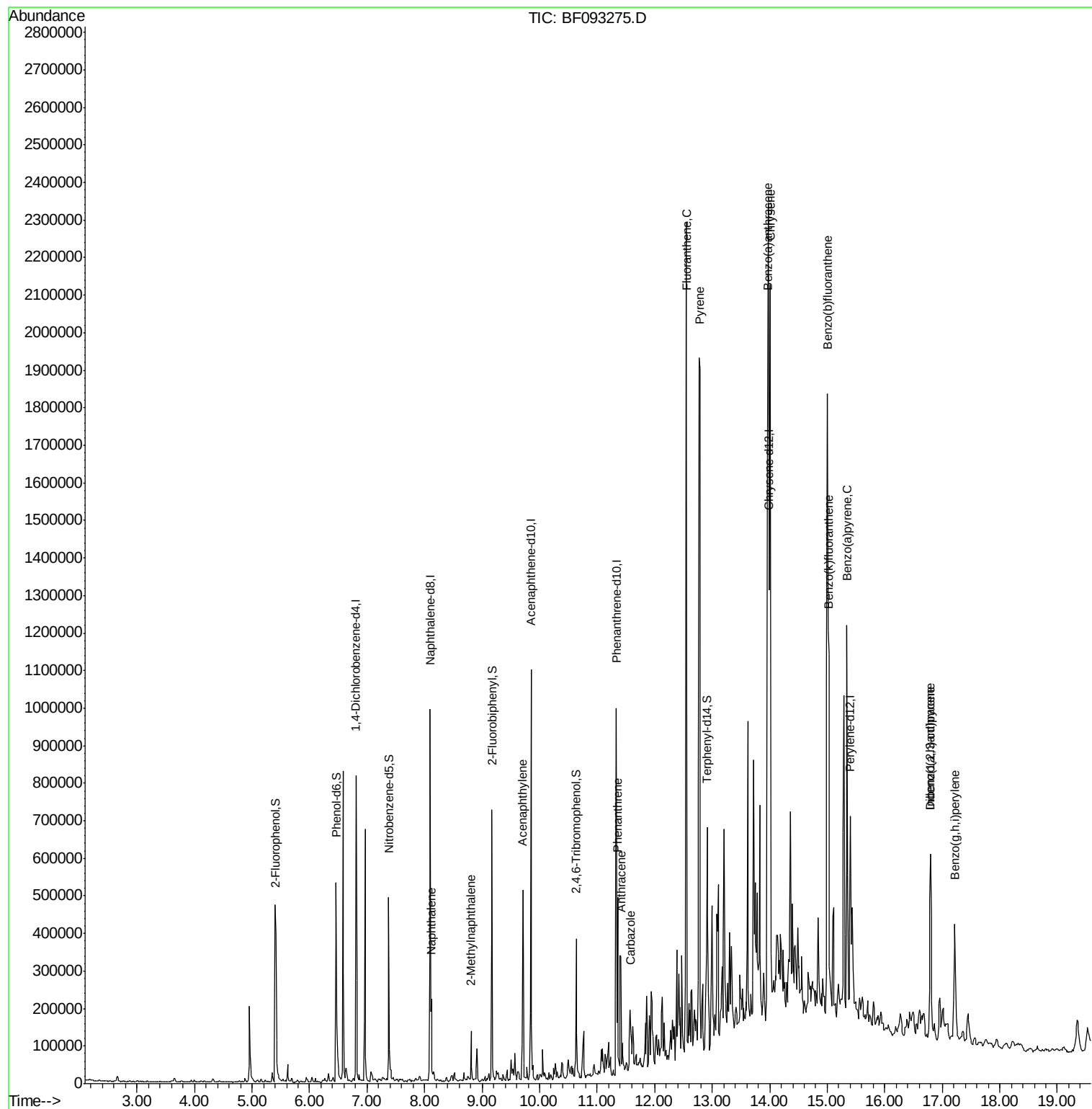
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
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ALS Vial : 36 Sample Multiplier: 1

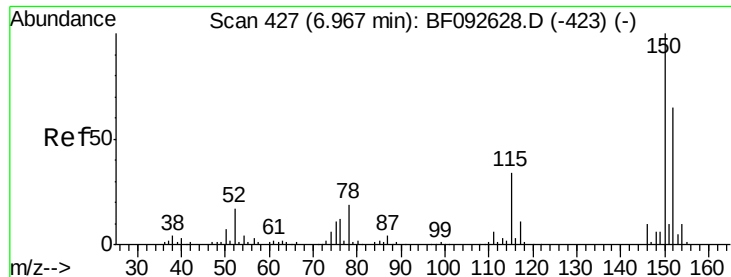
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

Instrument :

BNA_F

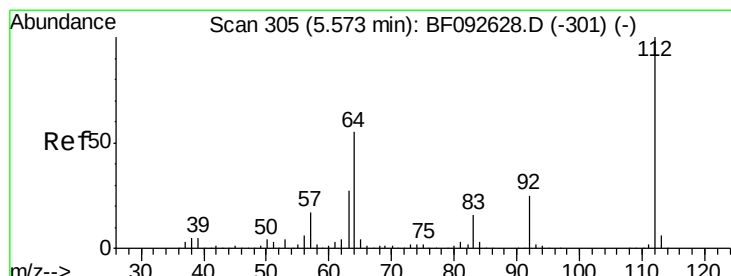
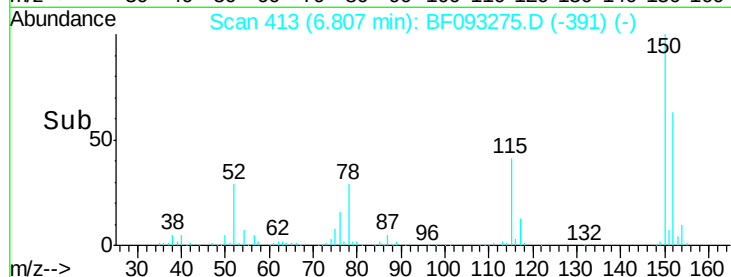
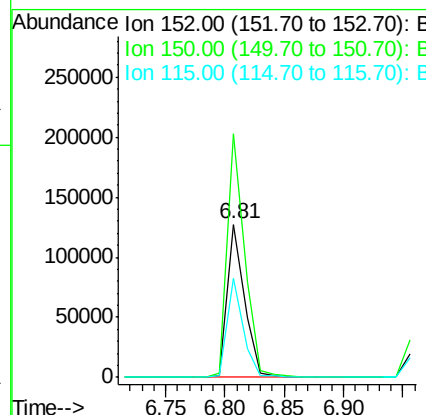
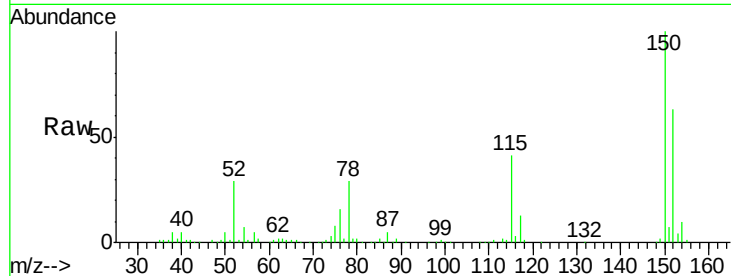
ClientSampleId :

E2-B1-BASE-3DL

Tgt Ion:	152	Resp:	127499
Ion Ratio	Lower	Upper	
152	100		
150	159.1	124.9	187.3
115	64.8	46.0	69.0

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#5

2-Fluorophenol

Concen: 28.96 ng

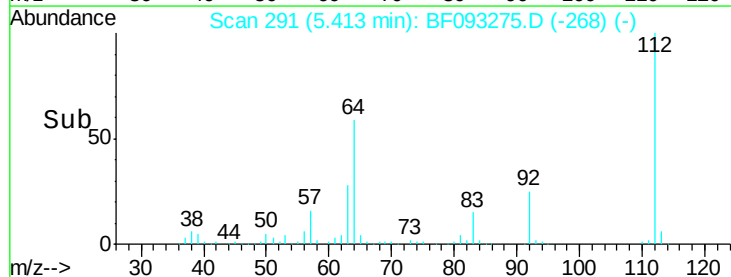
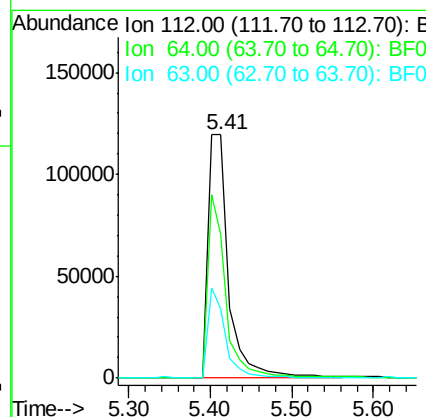
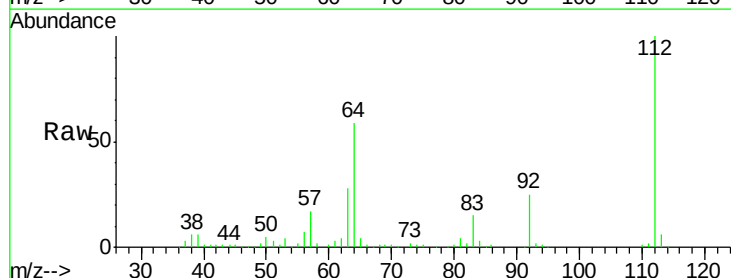
RT: 5.41 min Scan# 291

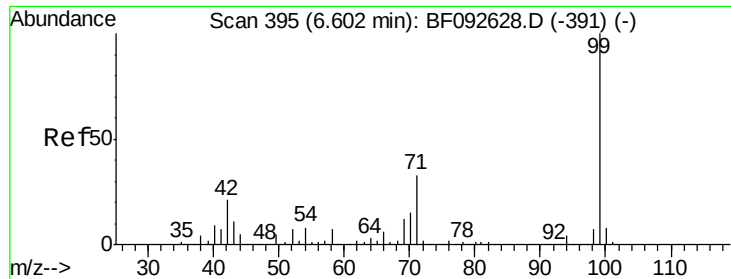
Delta R.T. -0.03 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

Tgt Ion:	112	Resp:	215215
Ion Ratio	Lower	Upper	
112	100		
64	58.8	46.1	69.1
63	28.5	23.8	35.6





#7

Phenol-d6

Concen: 28.74 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

Instrument :

BNA_F

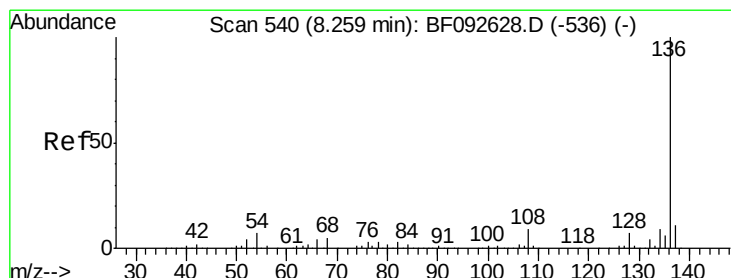
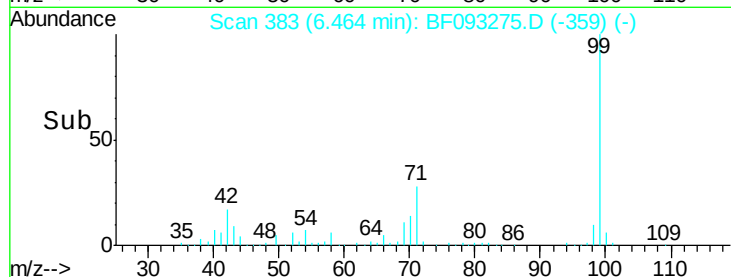
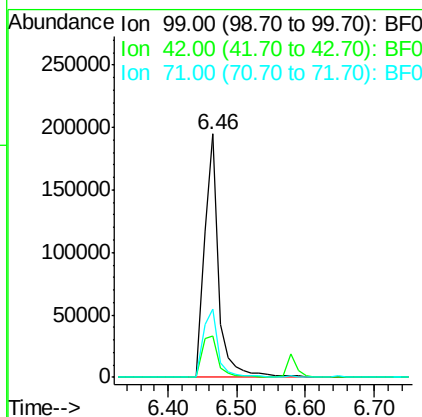
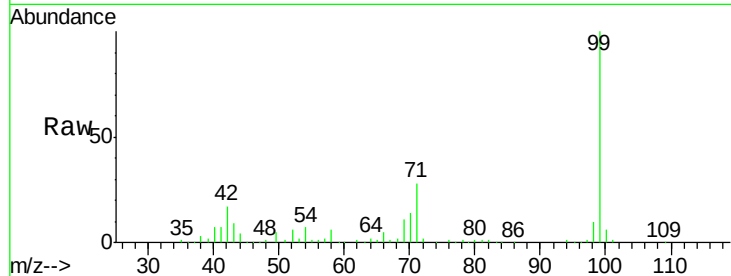
ClientSampleId :

E2-B1-BASE-3DL

Tgt Ion:	99	Resp:	274775
Ion	Ratio	Lower	Upper
99	100		
42	17.1	15.6	23.4
71	28.1	27.5	41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

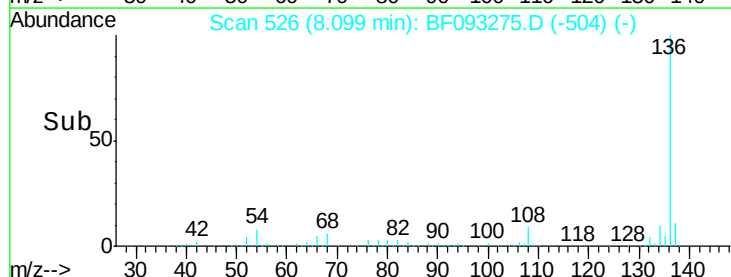
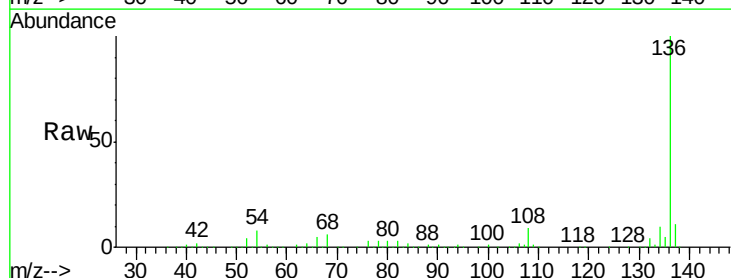
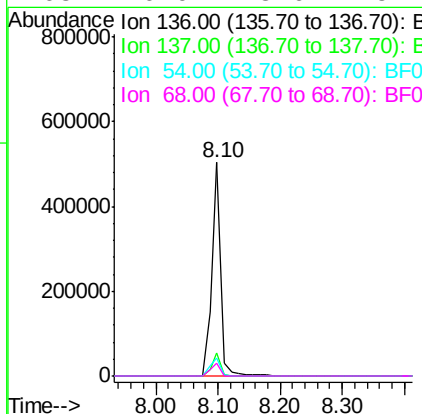
RT: 8.10 min Scan# 526

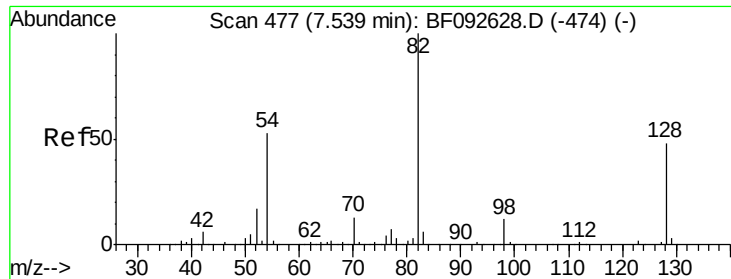
Delta R.T. -0.05 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

Tgt Ion:	136	Resp:	491718
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	8.4	4.5	6.7#
68	6.0	3.6	5.4#





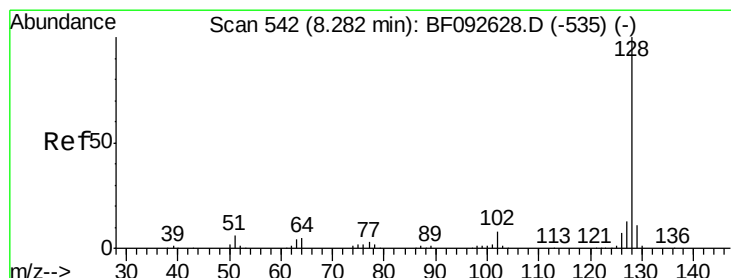
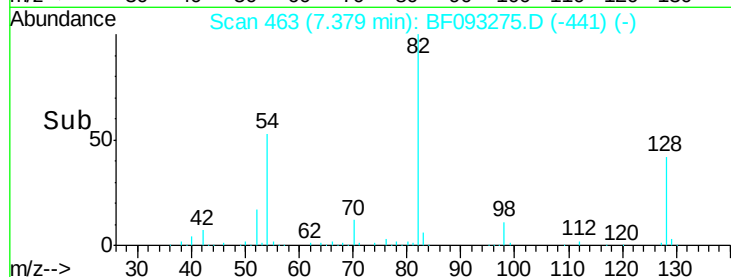
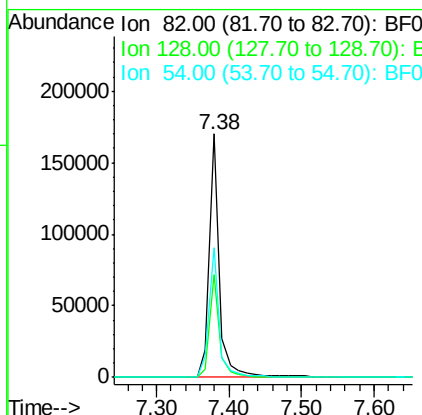
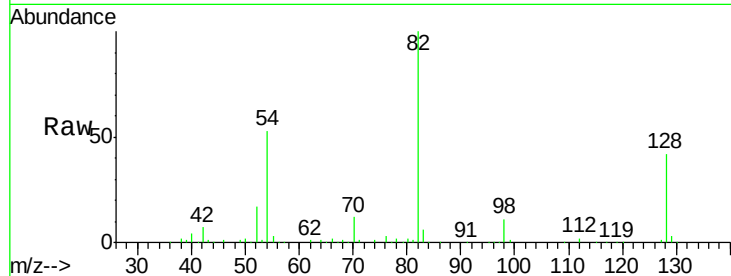
#23
 Nitrobenzene-d5
 Concen: 18.84 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.05 min
 Lab File: BF093275.D
 Acq: 1 Mar 2017 5:58

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-BASE-3DL

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	166376		
128	42.5	34.6	52.0	
54	53.3	39.5	59.3	

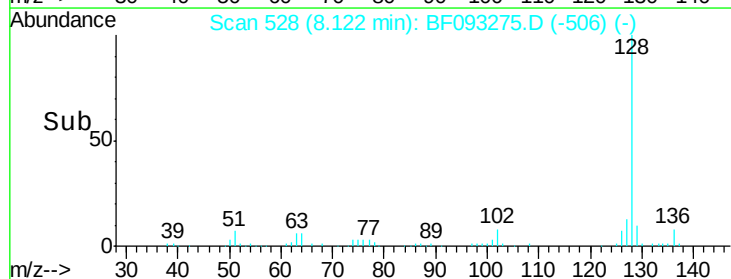
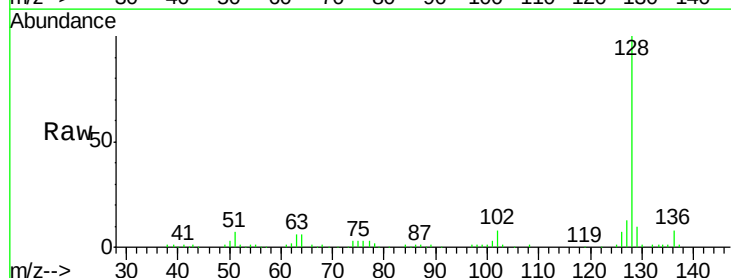
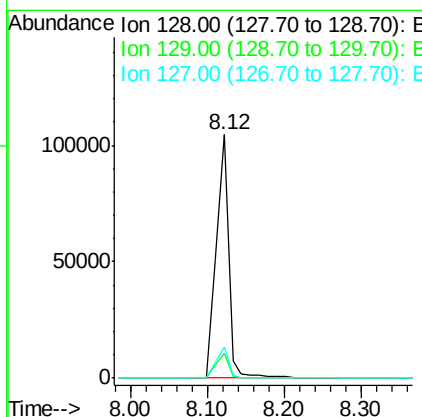
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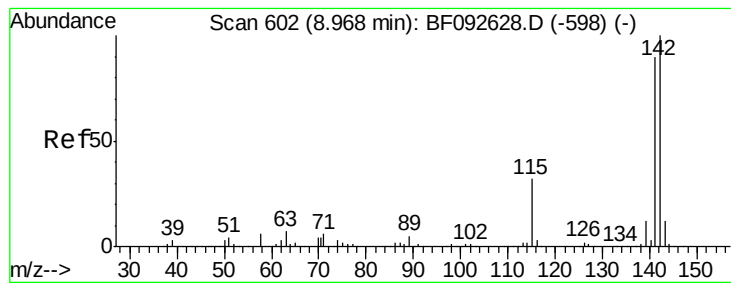
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#31
 Naphthalene
 Concen: 4.72 ng
 RT: 8.12 min Scan# 528
 Delta R.T. -0.05 min
 Lab File: BF093275.D
 Acq: 1 Mar 2017 5:58

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	117683		
129	10.2	9.5	14.3	
127	12.8	10.8	16.2	





#37

2-Methylnaphthalene

Concen: 2.43 ng

RT: 8.81 min Scan# 588

Delta R.T. -0.05 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

Instrument :

BNA_F

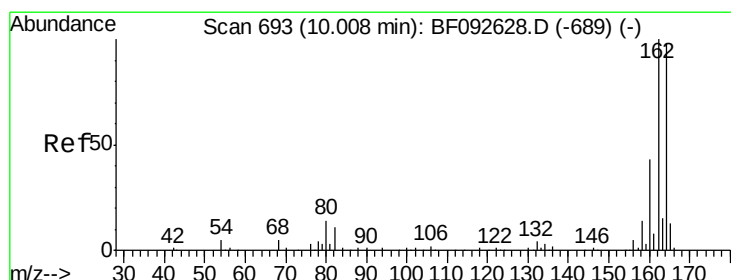
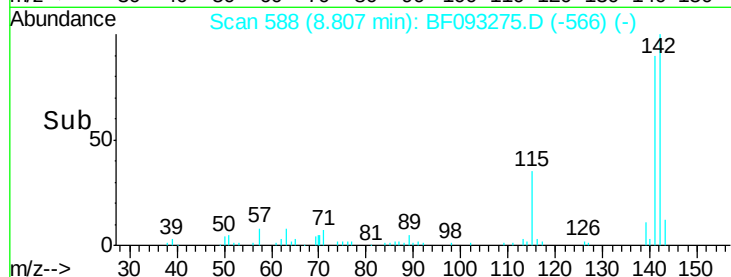
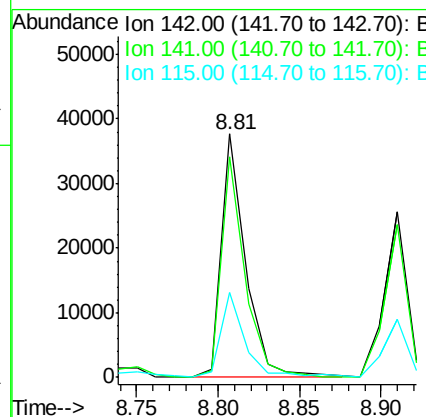
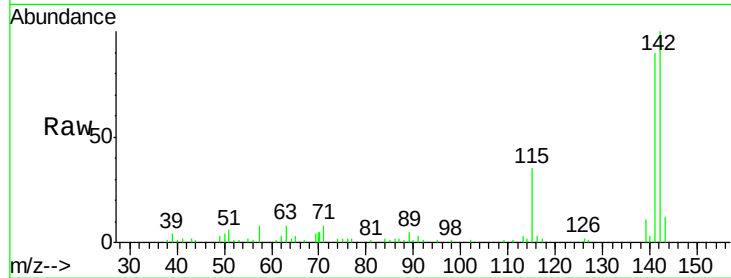
ClientSampleId :

E2-B1-BASE-3DL

Tgt Ion:	142	Resp:	38947
Ion Ratio	Lower	Upper	
142	100		
141	90.3	71.0	106.6
115	34.9	28.3	42.5

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#38

Acenaphthene-d10

Concen: 20.00 ng

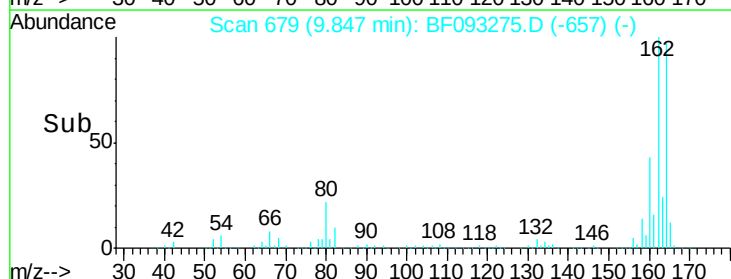
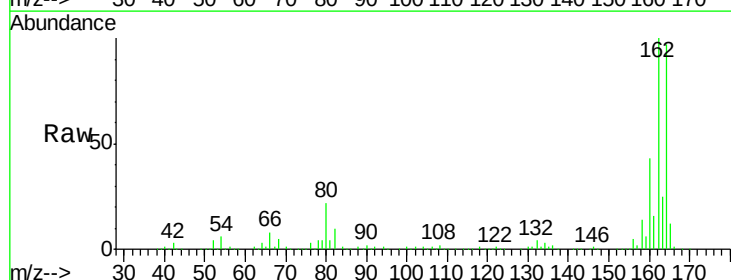
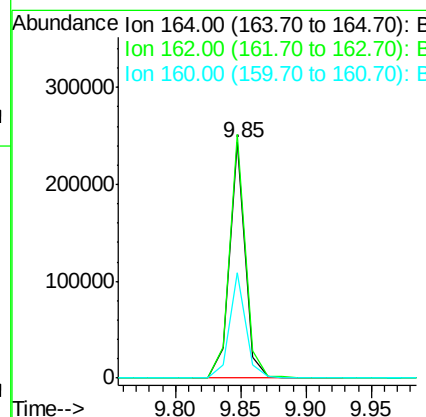
RT: 9.85 min Scan# 679

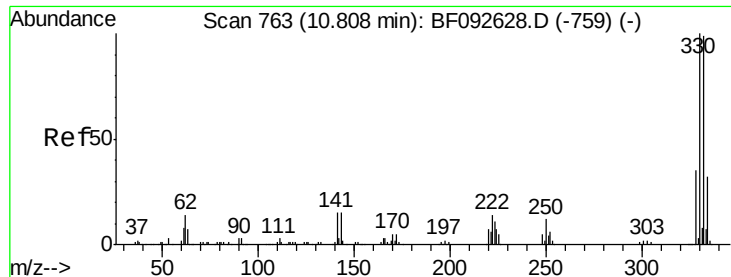
Delta R.T. -0.05 min

Lab File: BF093275.D

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Tgt Ion:	164	Resp:	205815
Ion Ratio	Lower	Upper	
164	100		
162	103.3	80.2	120.2
160	44.6	36.9	55.3





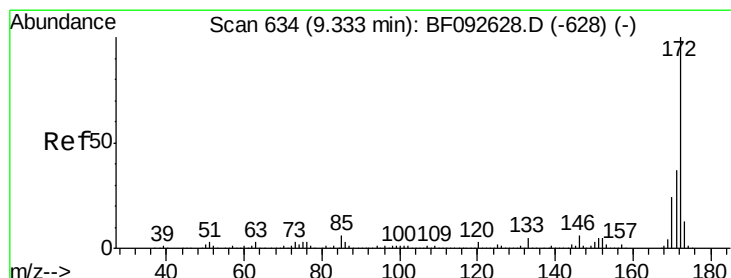
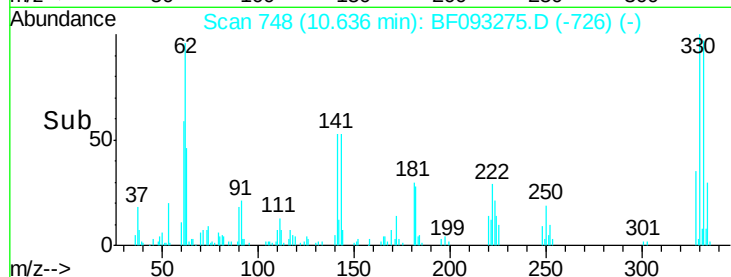
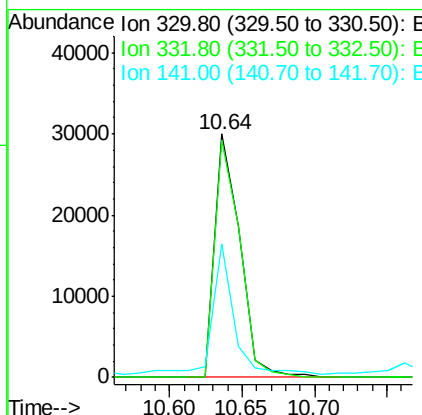
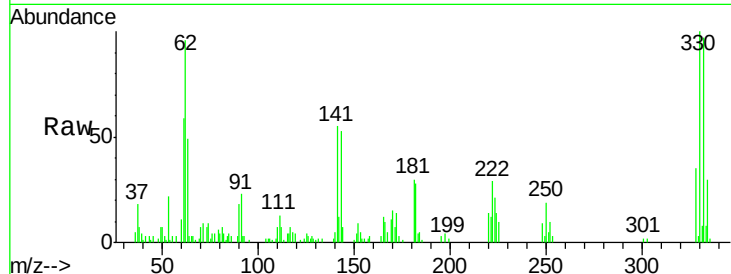
#41
 2,4,6-Tribromophenol
 Concen: 24.08 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.05 min
 Lab File: BF093275.D
 Acq: 1 Mar 2017 5:58

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-BASE-3DL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	35840		
332	97.8	77.4	116.2	
141	54.6	34.1	51.1#	

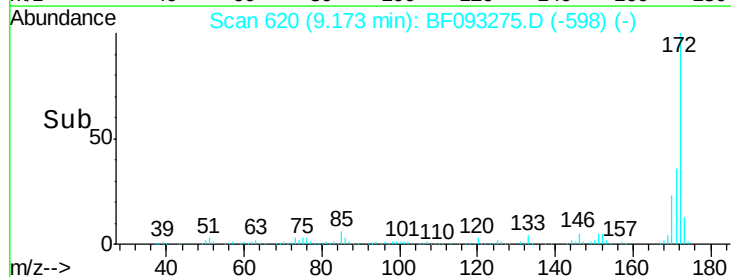
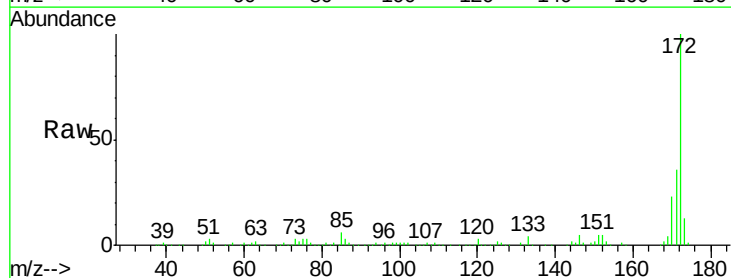
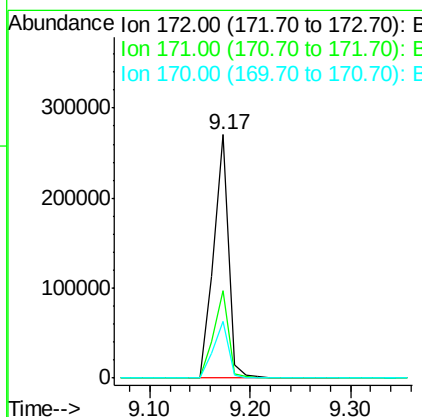
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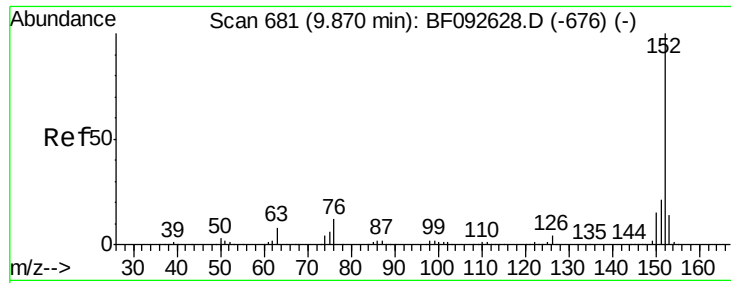
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#44
 2-Fluorobiphenyl
 Concen: 24.58 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093275.D
 Acq: 1 Mar 2017 5:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	279194		
171	35.8	29.4	44.0	
170	23.3	20.2	30.4	





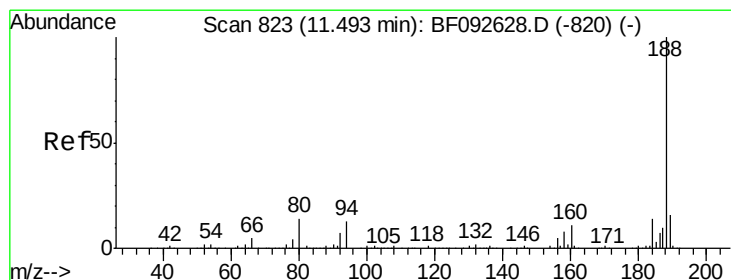
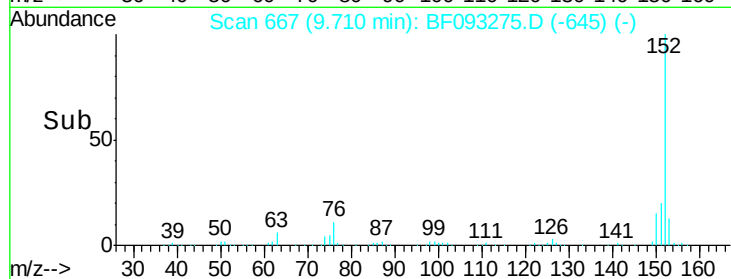
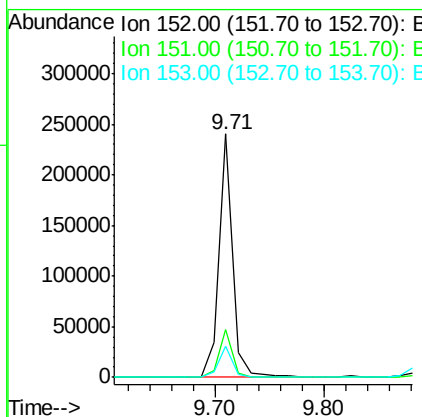
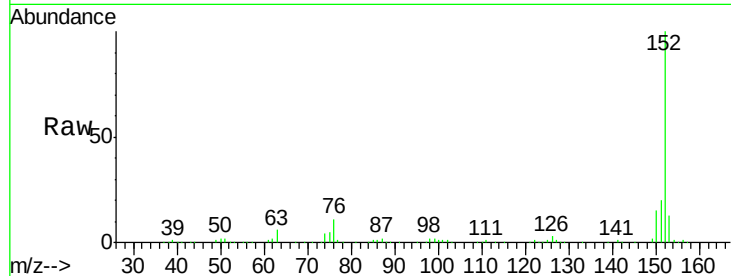
#48
 Acenaphthylene
 Concen: 10.66 ng
 RT: 9.71 min Scan# 667
 Delta R.T. -0.05 min
 Lab File: BF093275.D
 Acq: 1 Mar 2017 5:58

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-BASE-3DL

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.9	25.3
153	12.6	11.4	17.2

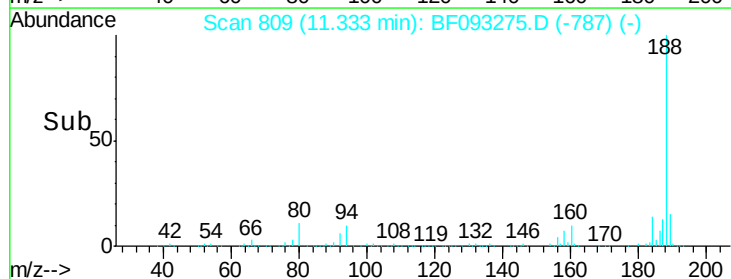
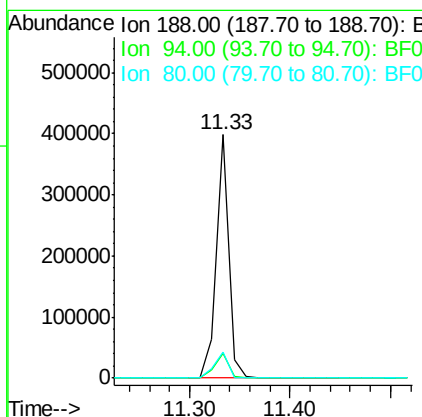
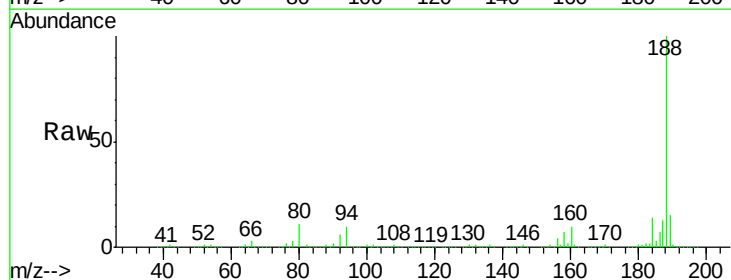
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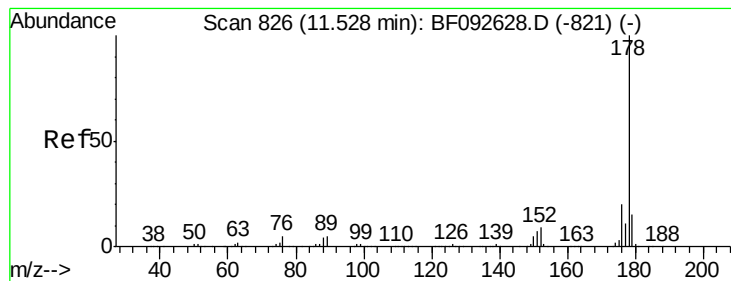
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 809
 Delta R.T. -0.05 min
 Lab File: BF093275.D
 Acq: 1 Mar 2017 5:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	10.0	15.0
80	10.7	11.2	16.8





#70

Phenanthrene

Concen: 8.64 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.05 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

Instrument :

BNA_F

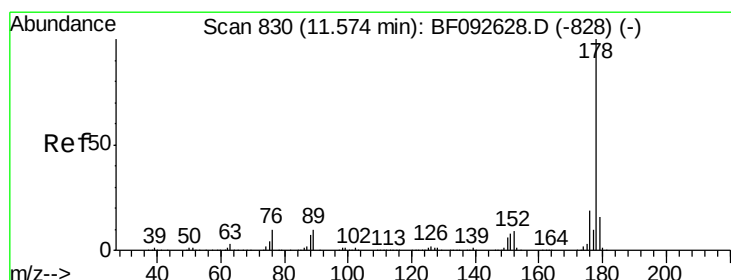
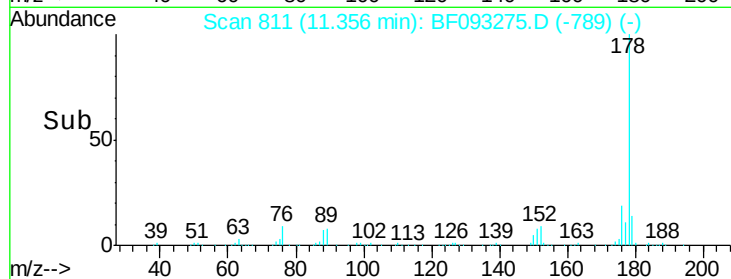
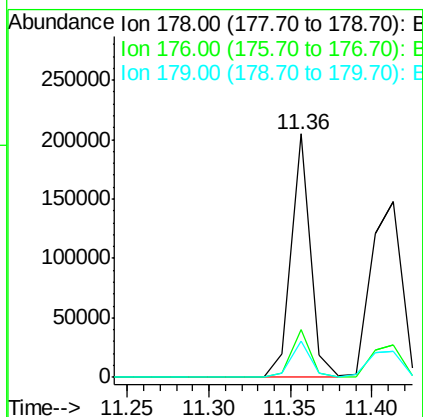
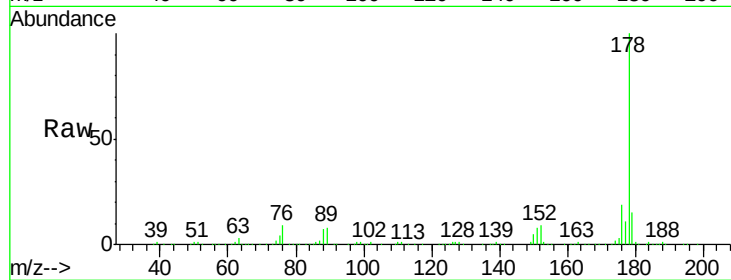
ClientSampleId :

E2-B1-BASE-3DL

Tgt Ion:	178	Resp:	168753
Ion Ratio	Lower	Upper	
178	100		
176	19.4	16.6	25.0
179	14.8	12.8	19.2

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#71

Anthracene

Concen: 10.22 ng

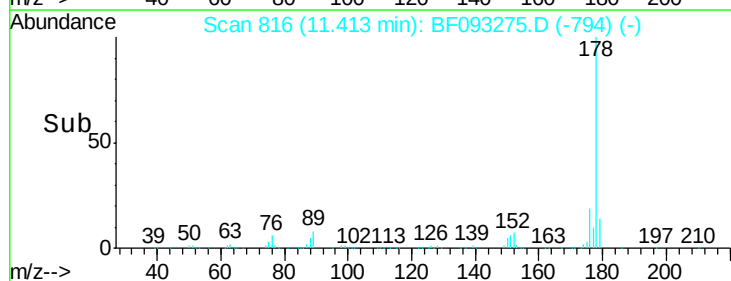
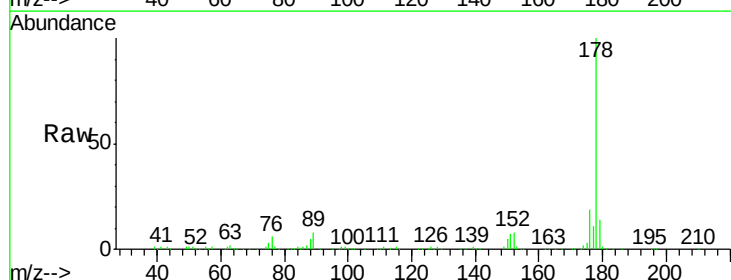
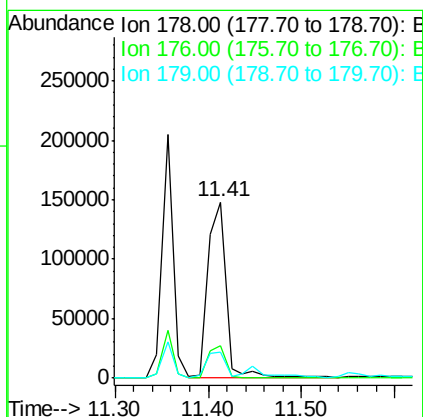
RT: 11.41 min Scan# 816

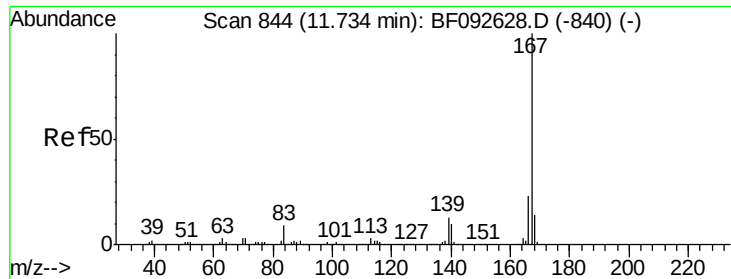
Delta R.T. -0.05 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

Tgt Ion:	178	Resp:	200323
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.9	23.9
179	14.5	13.2	19.8





#72

Carbazole

Concen: 3.24 ng

RT: 11.57 min Scan# 830

Delta R.T. -0.03 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

Instrument :

BNA_F

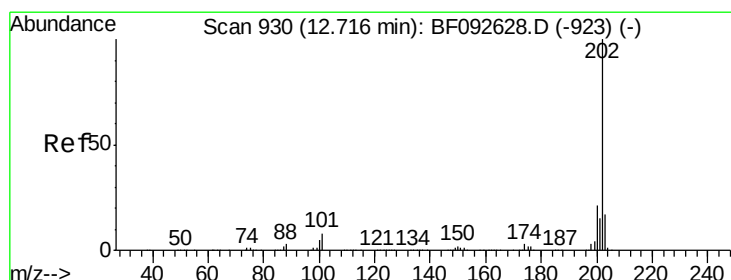
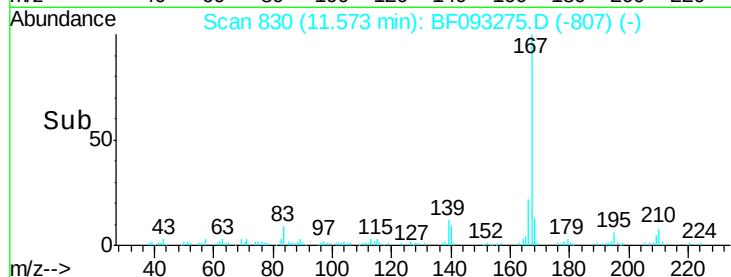
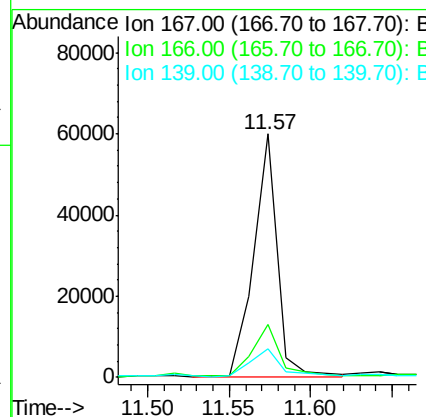
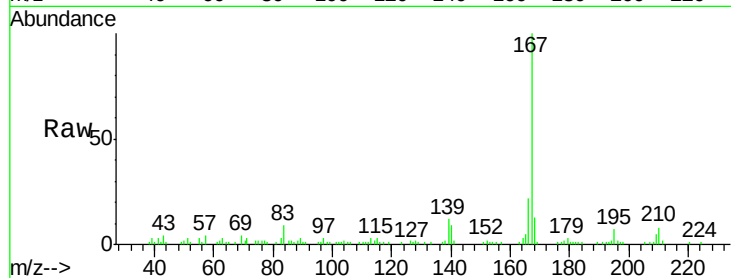
ClientSampleId :

E2-B1-BASE-3DL

Tgt Ion:	167	Resp:	60744
Ion Ratio	Lower	Upper	
167	100		
166	21.7	18.2	27.2
139	11.9	11.4	17.2

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#74

Fluoranthene

Concen: 63.07 ng

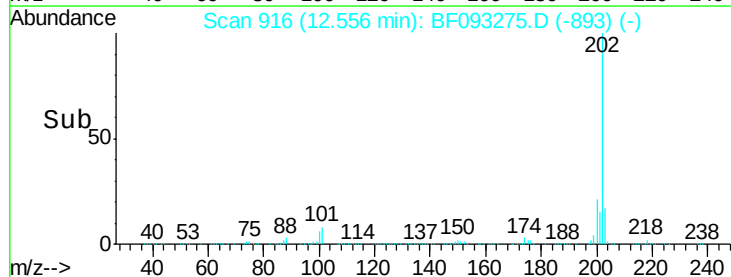
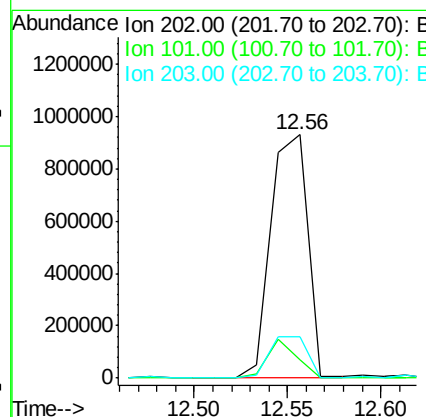
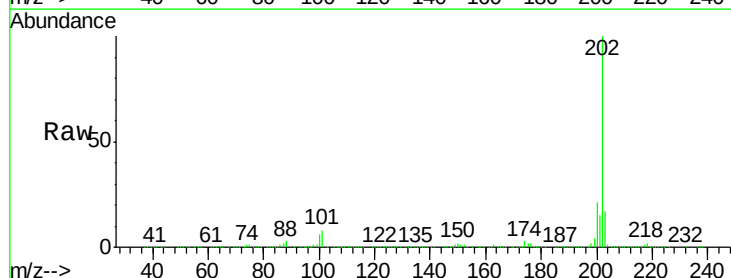
RT: 12.56 min Scan# 916

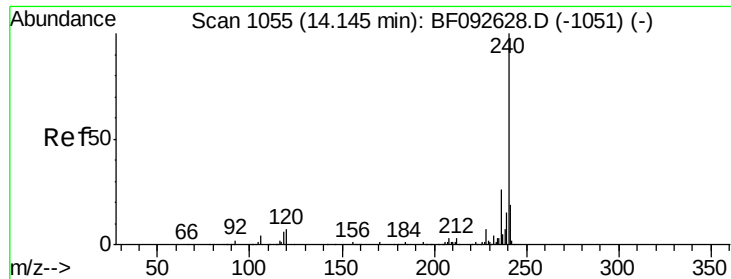
Delta R.T. -0.03 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

Tgt Ion:	202	Resp:	1270092
Ion Ratio	Lower	Upper	
202	100		
101	7.7	0.0	34.6
203	17.2	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

Instrument :

BNA_F

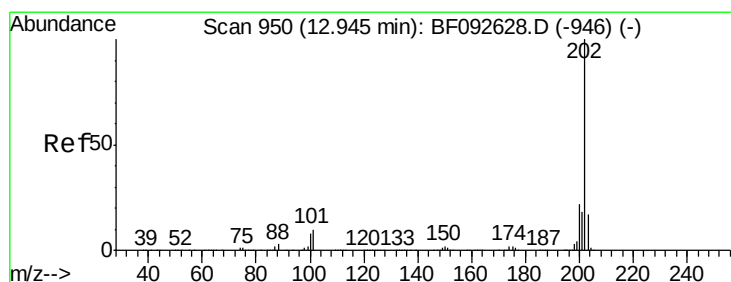
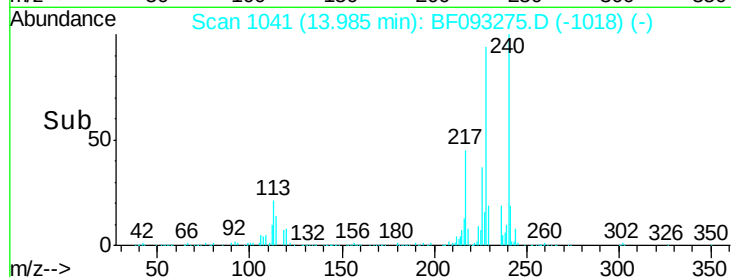
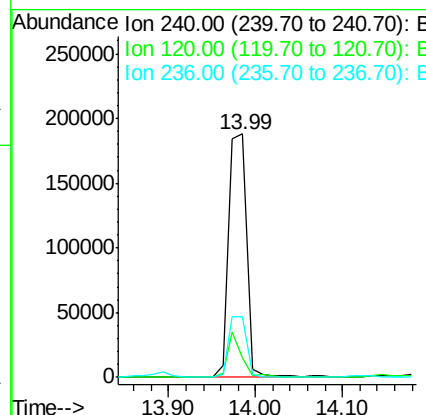
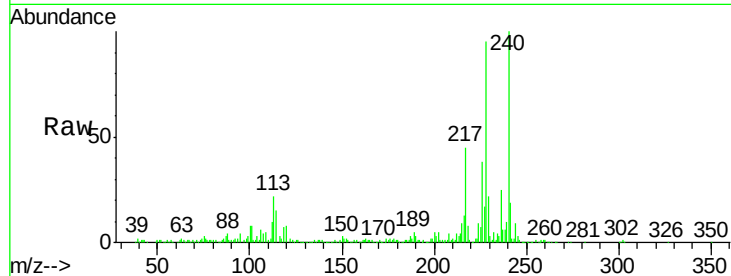
ClientSampleId :

E2-B1-BASE-3DL

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	269195		
120	8.0	12.9	19.3#	
236	25.0	20.9	31.3	

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#77

Pyrene

Concen: 55.99 ng

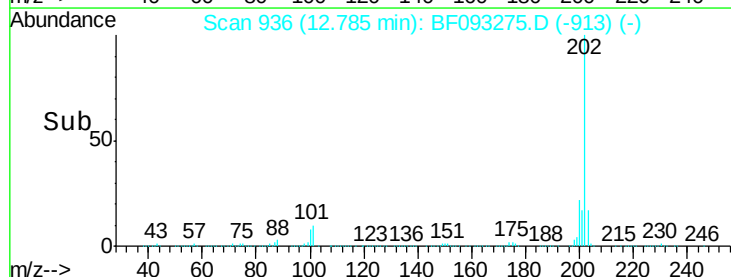
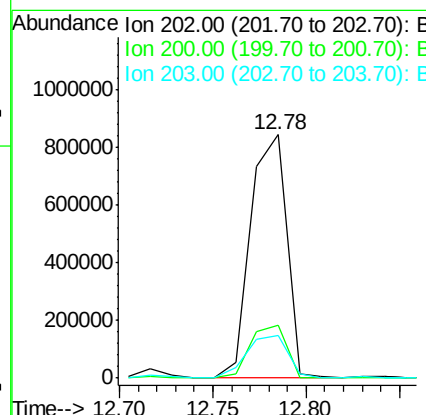
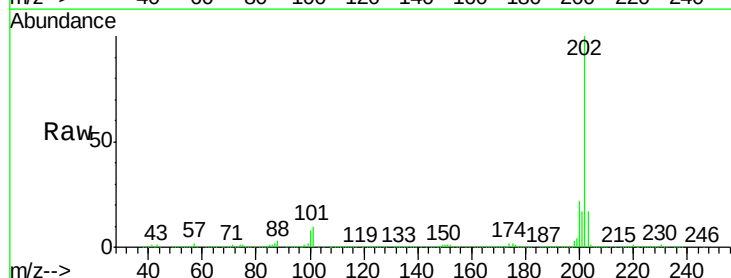
RT: 12.78 min Scan# 936

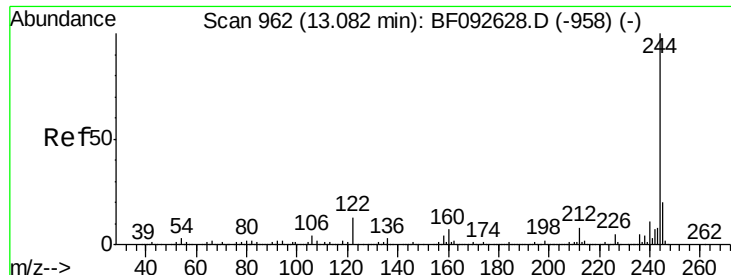
Delta R.T. -0.03 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1128042		
200	21.5	17.7	26.5	
203	17.3	14.7	22.1	





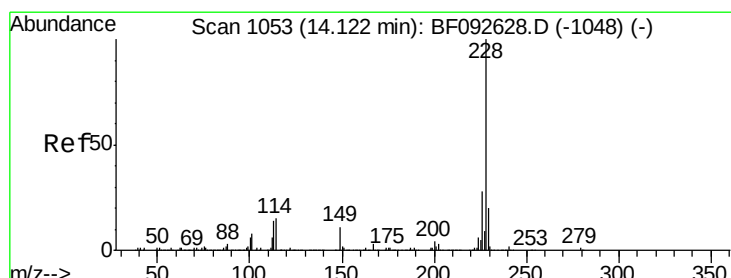
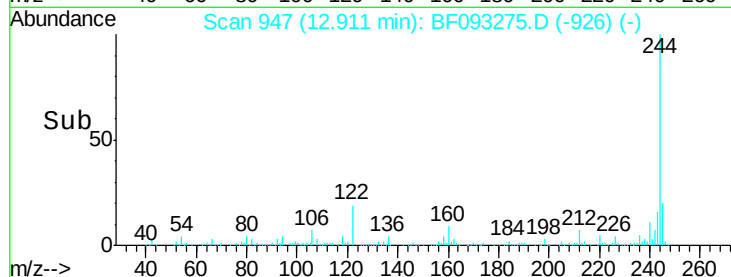
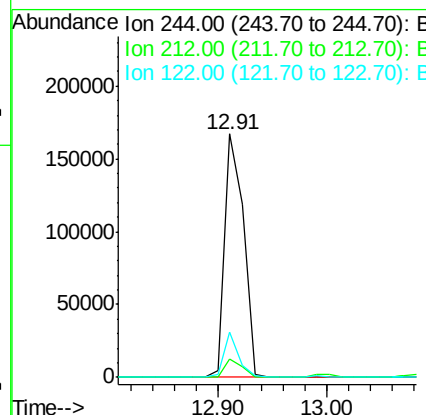
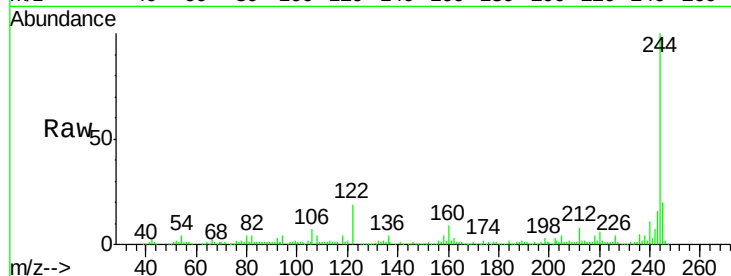
#78
 Terphenyl-d14
 Concen: 17.61 ng
 RT: 12.91 min Scan# 947
 Delta R.T. -0.06 min
 Lab File: BF093275.D
 Acq: 1 Mar 2017 5:58

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-BASE-3DL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	18.6	11.4	17.2

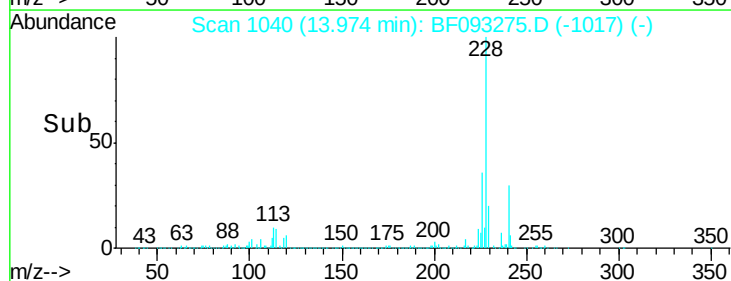
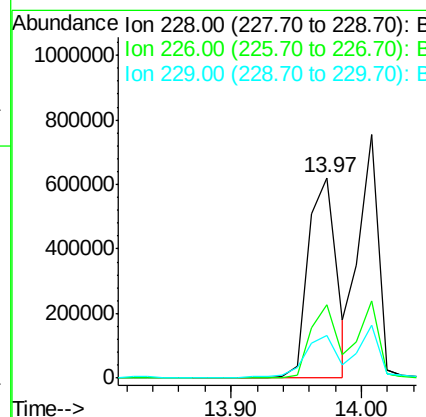
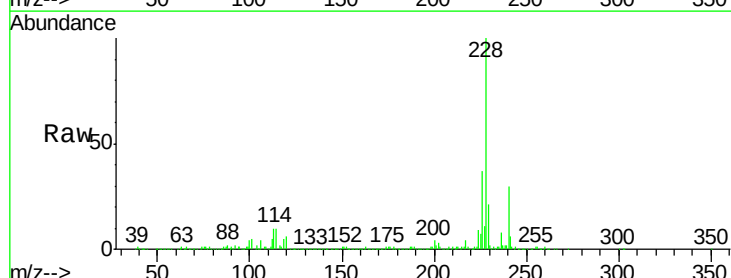
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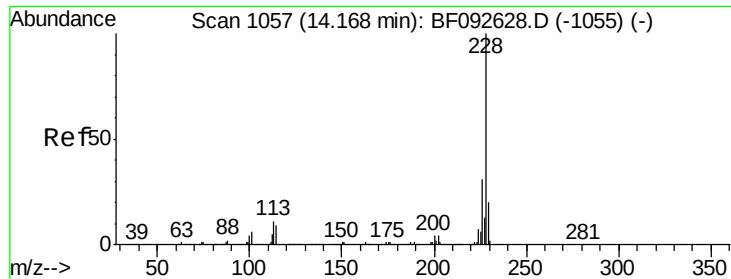
mohammad
 3/1/2017 4:07:00 PM



#80
 Benzo(a)anthracene
 Concen: 56.06 ng
 RT: 13.97 min Scan# 1040
 Delta R.T. -0.03 min
 Lab File: BF093275.D
 Acq: 1 Mar 2017 5:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.8	22.4	33.6
229	21.0	16.2	24.4





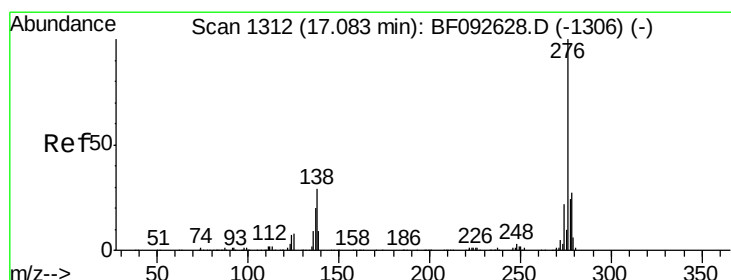
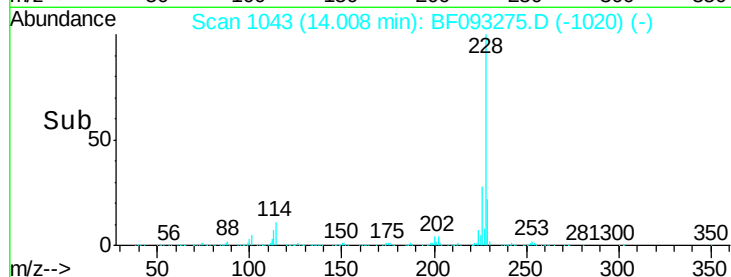
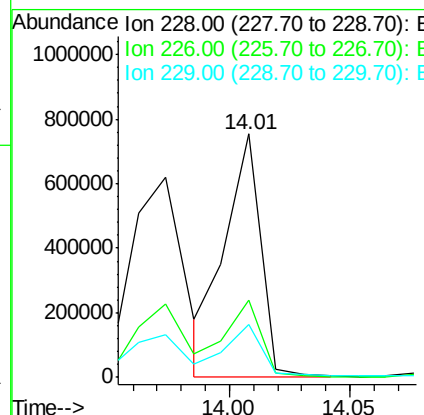
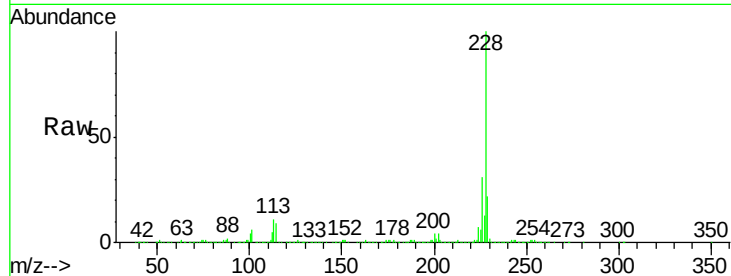
#82
Chrysene
Concen: 50.82 ng m
RT: 14.01 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BF093275.D
Acq: 1 Mar 2017 5:58

Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE-3DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.4	38.0
229	21.7	16.2	24.2

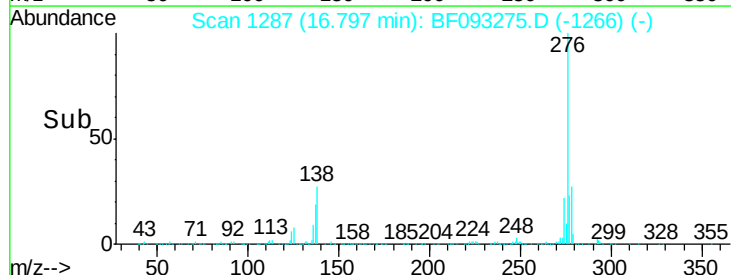
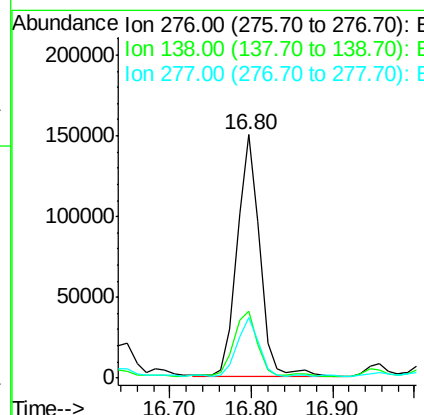
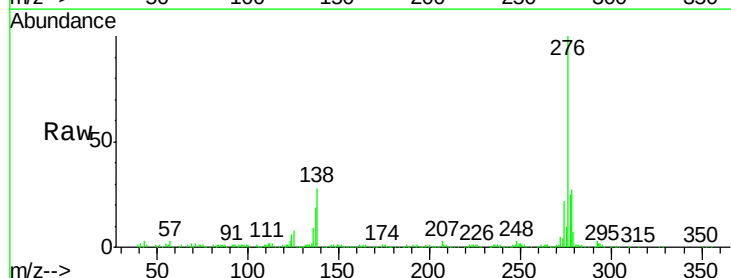
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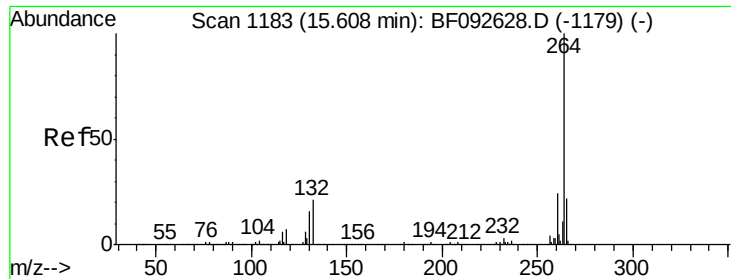
mohammad
3/1/2017 4:07:00 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 24.09 ng
RT: 16.80 min Scan# 1287
Delta R.T. -0.06 min
Lab File: BF093275.D
Acq: 1 Mar 2017 5:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.1	21.8	32.6
277	23.4	20.2	30.4





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.40 min Scan# 1165

Delta R.T. -0.05 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

Instrument :

BNA_F

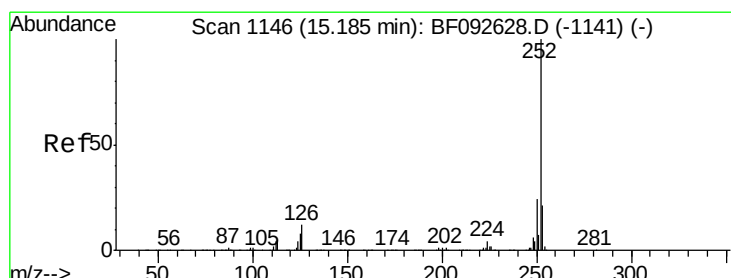
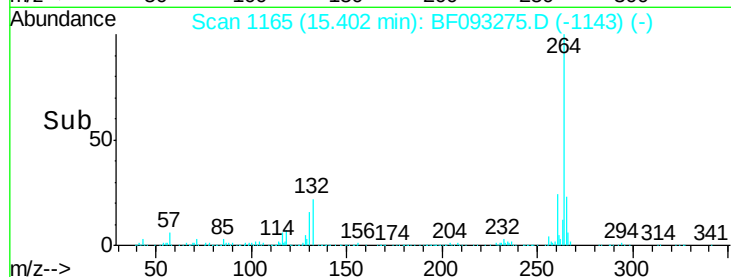
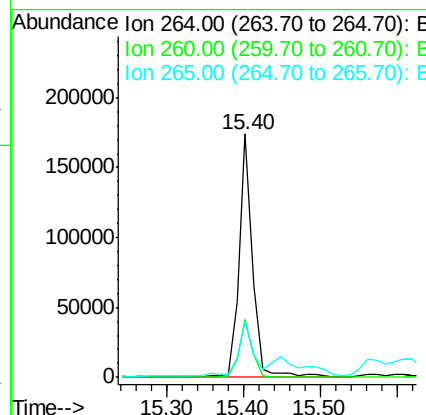
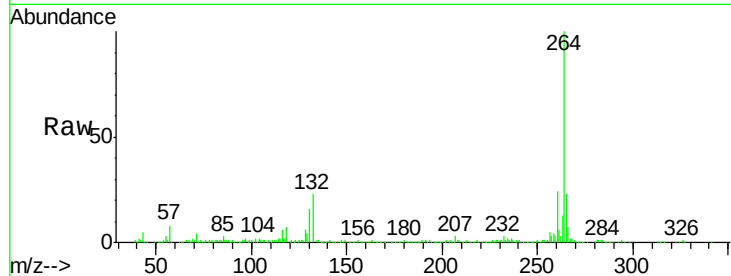
ClientSampleId :

E2-B1-BASE-3DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	23.0	17.4	26.0

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 62.58 ng m

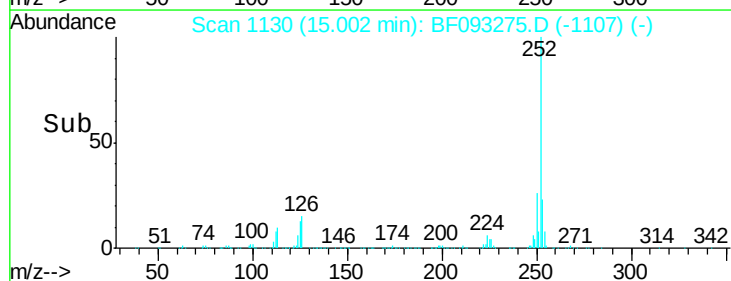
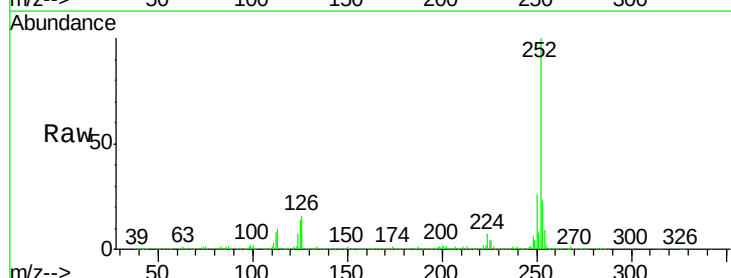
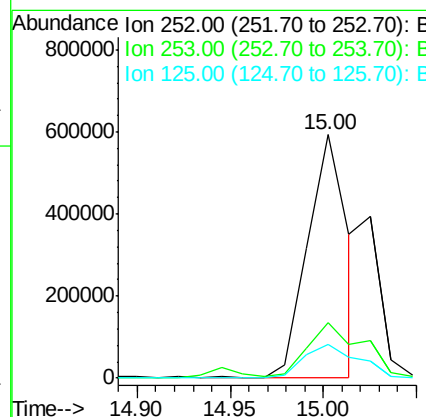
RT: 15.00 min Scan# 1130

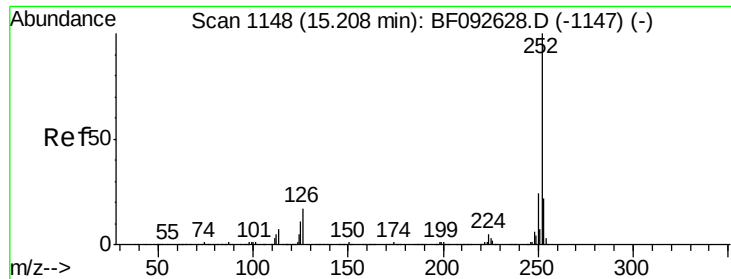
Delta R.T. -0.03 min

Lab File: BF093275.D

Acq: 1 Mar 2017 5:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.4
125	13.6	9.8	14.6





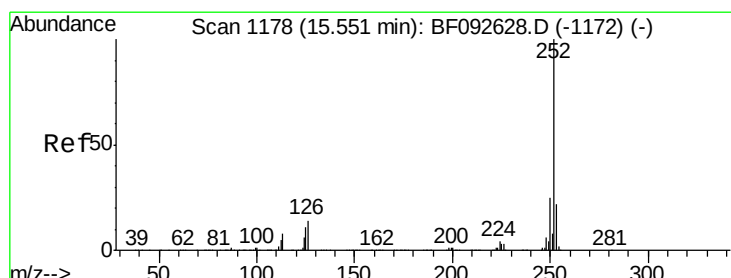
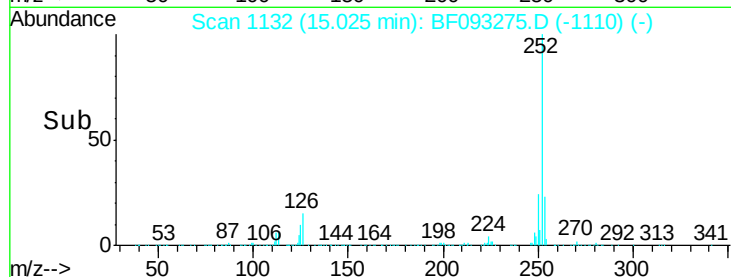
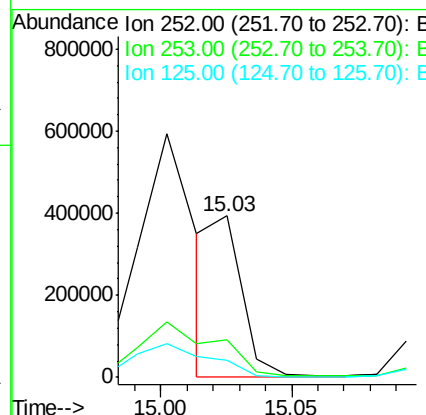
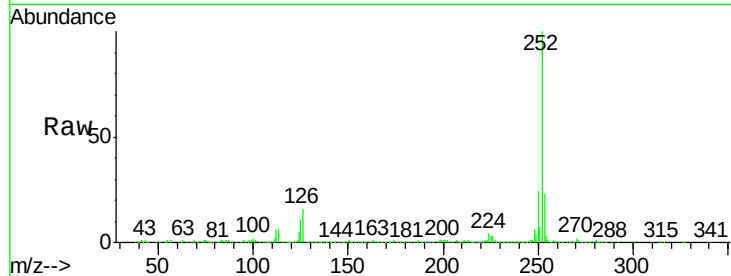
#88
Benzo(k)fluoranthene
Concen: 25.26 ng m
RT: 15.03 min Scan# 1132
Delta R.T. -0.05 min
Lab File: BF093275.D
Acq: 1 Mar 2017 5:58

Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE-3DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.5	27.7
125	10.7	8.9	13.3

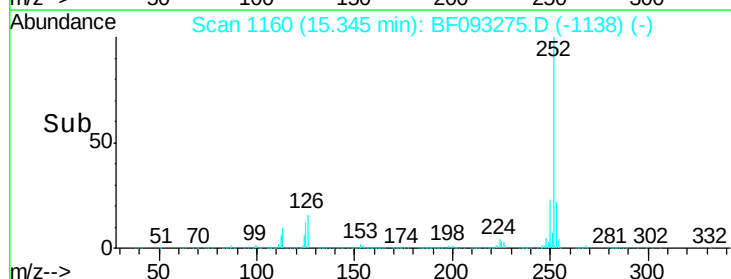
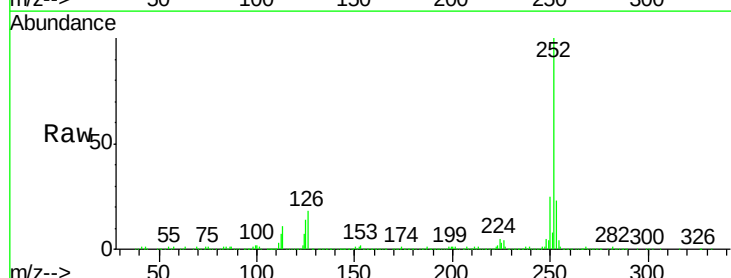
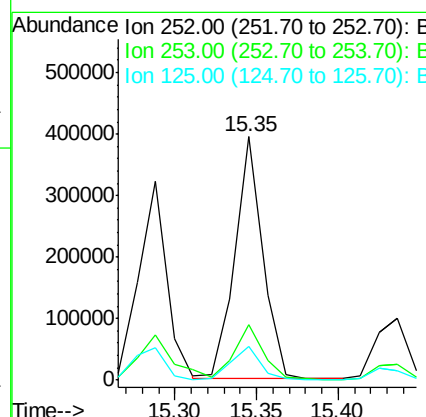
Manual Integrations
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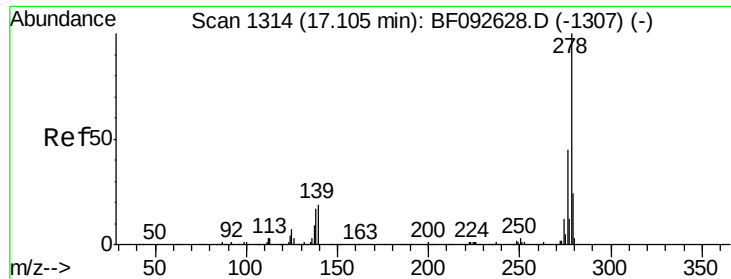
mohammad
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#89
Benzo(a)pyrene
Concen: 37.77 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BF093275.D
Acq: 1 Mar 2017 5:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	13.8	10.0	15.0





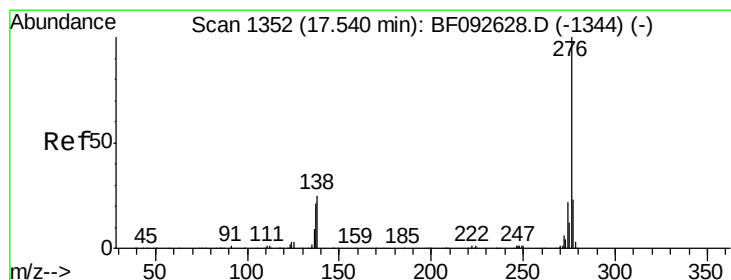
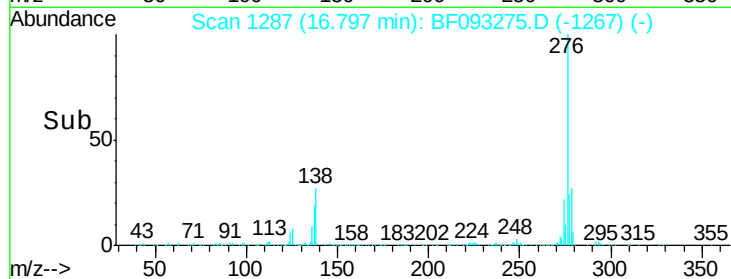
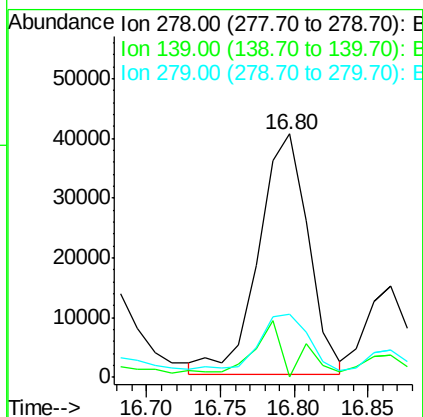
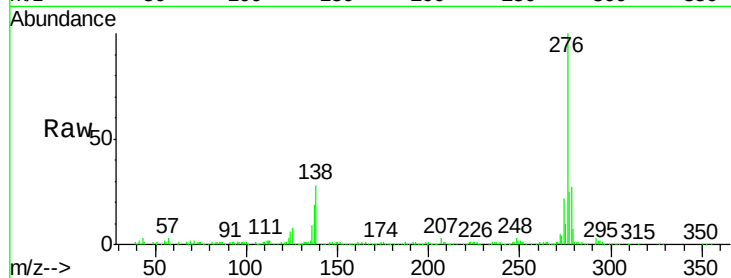
#90
Dibenzo(a,h)anthracene
Concen: 9.58 ng m
RT: 16.80 min Scan# 1287
Delta R.T. -0.07 min
Lab File: BF093275.D
Acq: 1 Mar 2017 5:58

Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE-3DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	25.9	19.8	29.6

Manual Integrations
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mohammad
3/1/2017 4:07:00 PM



#91
Benzo(g,h,i)perylene
Concen: 23.37 ng
RT: 17.22 min Scan# 1324
Delta R.T. -0.07 min
Lab File: BF093275.D
Acq: 1 Mar 2017 5:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.2	28.8
138	28.2	16.0	24.0#

