

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089583.D
 Acq On : 8 Feb 2015 9:26
 Operator : TP/IZ
 Sample : MDL-04-S
 Misc : MDL-SOIL-0.2/0.4
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 09 00:30:38 2015
 Quant Method : Z:\HPCHEM1\BNA_E\methods\SIMPAH-BE020615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 07 04:07:57 2015
 Response via : Initial Calibration

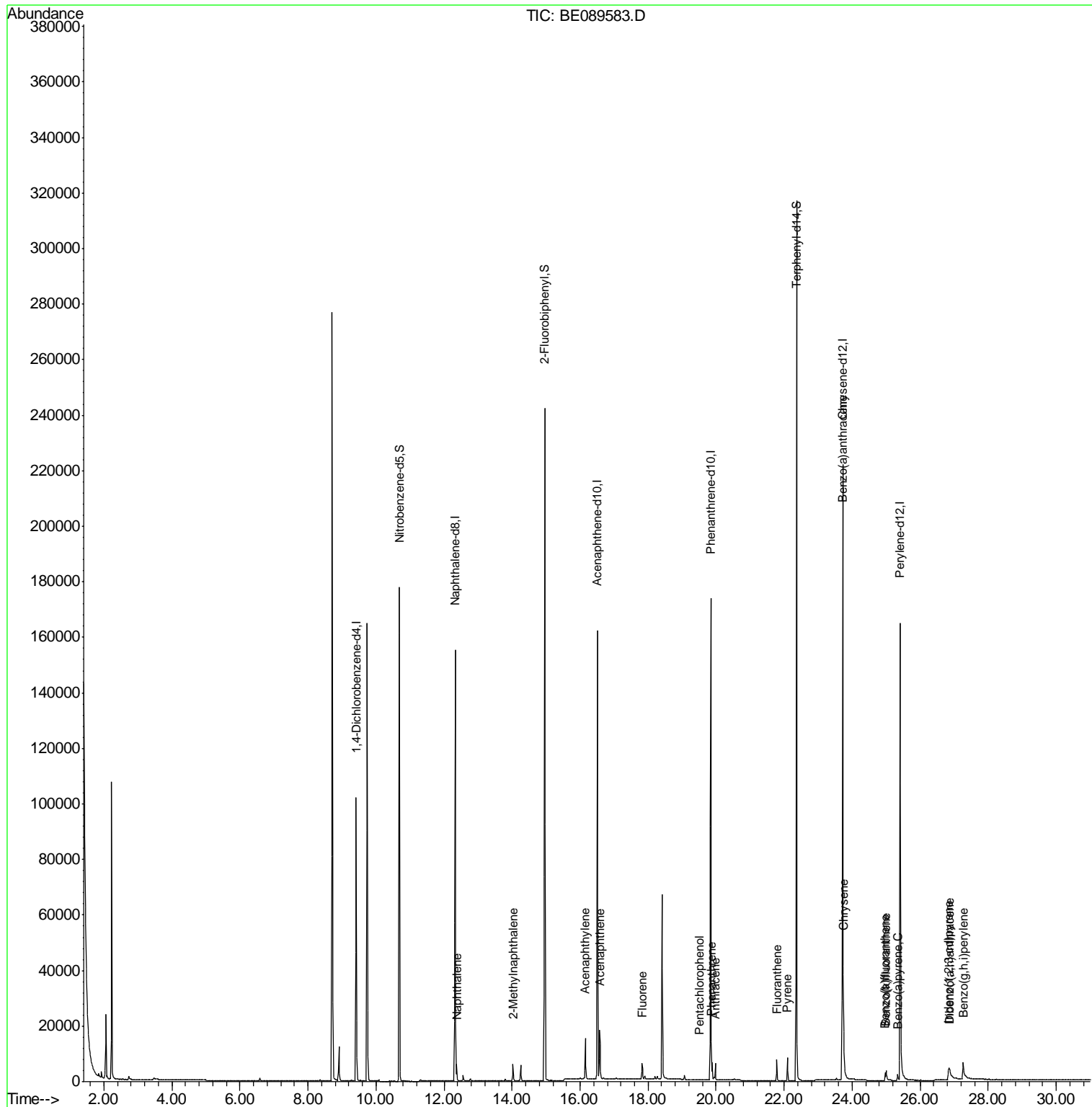
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.42	152	42167	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	179869	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	97629	5.00	ng	0.00
11) Phenanthrene-d10	19.84	188	174450	5.00	ng	0.00
16) Chrysene-d12	23.72	240	186766	5.00	ng	0.00
22) Perylene-d12	25.41	264	163939	5.00	ng	-0.01
System Monitoring Compounds						
3) Nitrobenzene-d5	10.69	82	121737	10.19	ng	0.00
7) 2-Fluorobiphenyl	14.96	172	216840	8.33	ng	0.00
18) Terphenyl-d14	22.36	244	273936	11.12	ng	0.00
Target Compounds						
						Qvalue
4) Naphthalene	12.37	128	6422	0.16	ng	98
5) 2-Methylnaphthalene	14.03	142	3683	0.16	ng	96
8) Acenaphthylene	16.16	152	20242	0.12	ng	100
9) Acenaphthene	16.58	154	3577	0.14	ng	96
10) Fluorene	17.83	166	3922	0.14	ng	97
12) Pentachlorophenol	19.52	266	135	0.63	ng	93
13) Phenanthrene	19.88	178	6673	0.15	ng	97
14) Anthracene	19.98	178	5474	0.15	ng	99
15) Fluoranthene	21.78	202	5563	0.14	ng	97
17) Pyrene	22.10	202	6216	0.16	ng	99
19) Benzo(a)anthracene	23.70	228	22250	0.13	ng	98
20) Chrysene	23.74	228	28651	0.17	ng	93
21) Indeno(1,2,3-cd)pyrene	26.84	276	12464	0.05	ng	96
23) Benzo(b)fluoranthene	24.97	252	2733	0.09	ng	98
24) Benzo(k)fluoranthene	25.00	252	5751	0.15	ng	97
25) Benzo(a)pyrene	25.34	252	2957	0.09	ng	95
26) Dibenzo(a,h)anthracene	26.87	278	2495	0.06	ng	# 88
27) Benzo(g,h,i)perylene	27.26	276	14240	0.09	ng	# 95

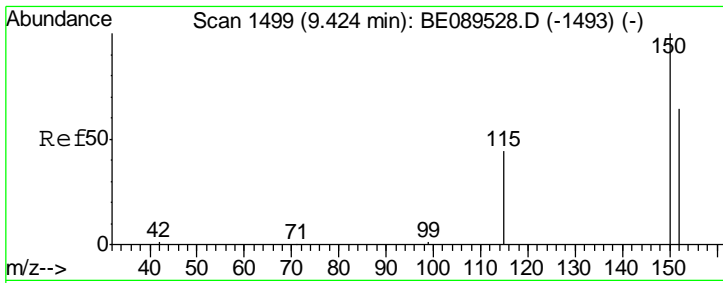
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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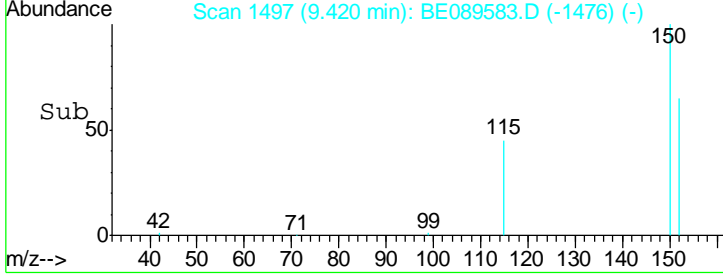
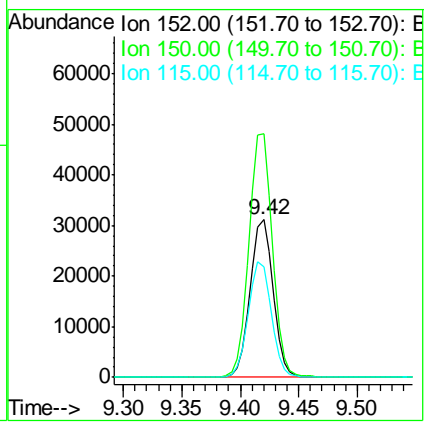
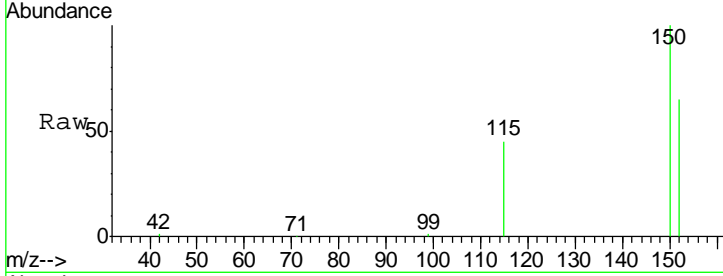




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 9.42 min Scan# 1497
 Delta R.T. -0.00 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

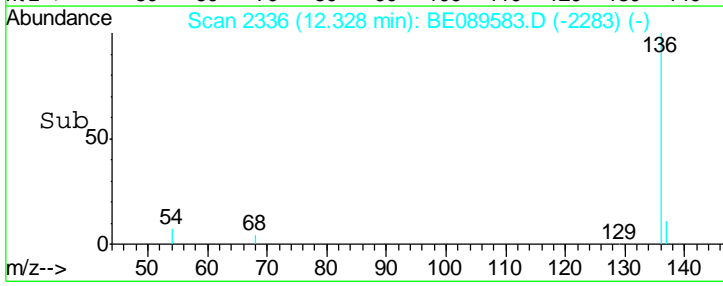
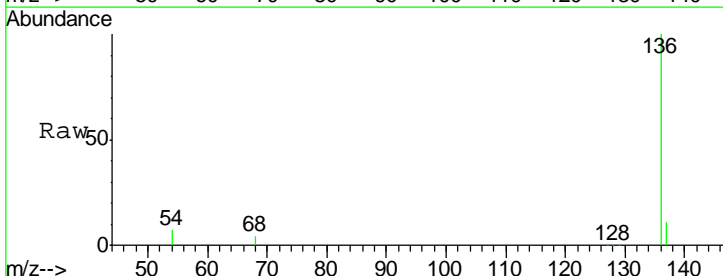
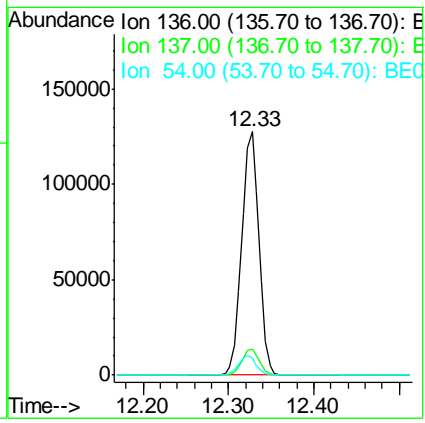
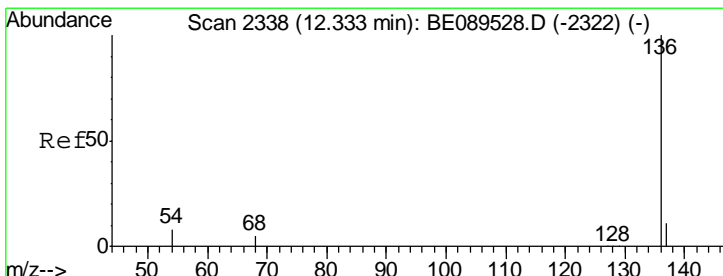
Instrument :
 BNA_E
 ClientSampled :

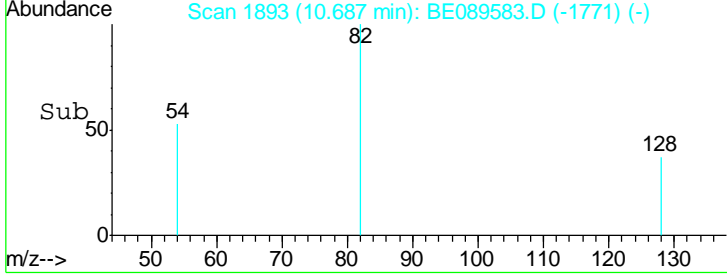
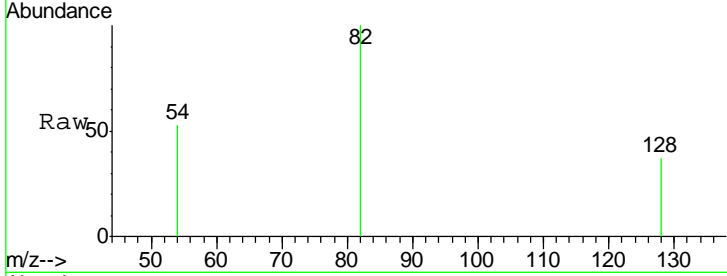
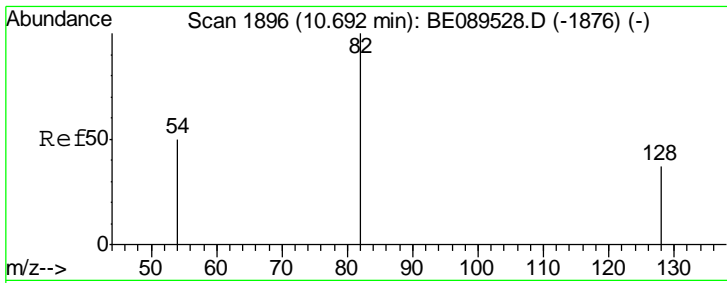
Tgt Ion	Resp	Lower	Upper
152	42167		
150	154.5	125.7	188.5
115	69.9	55.6	83.4



#2
 Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.33 min Scan# 2336
 Delta R.T. -0.01 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

Tgt Ion	Resp	Lower	Upper
136	179869		
137	10.8	8.7	13.1
54	6.8	6.1	9.1

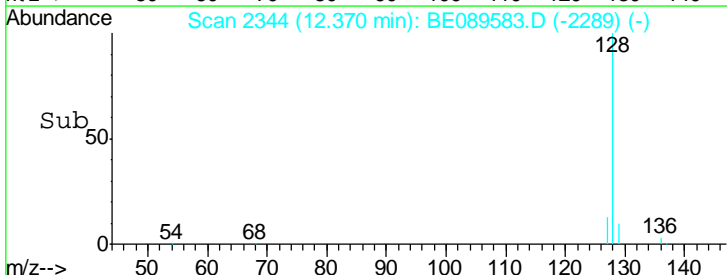
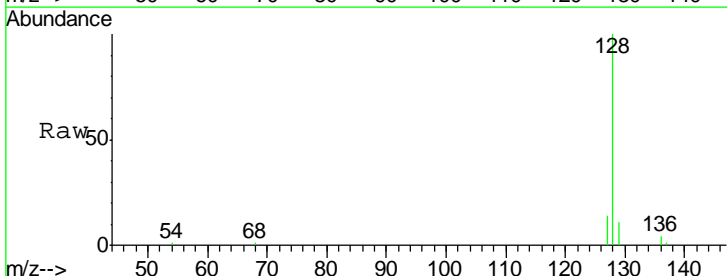
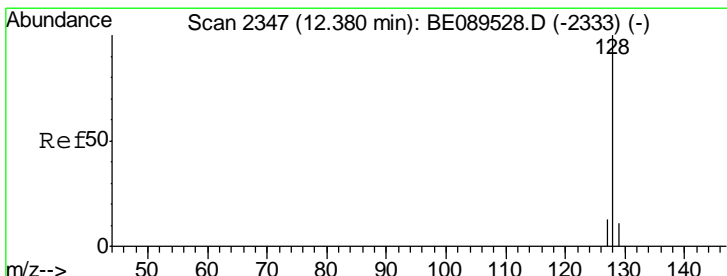
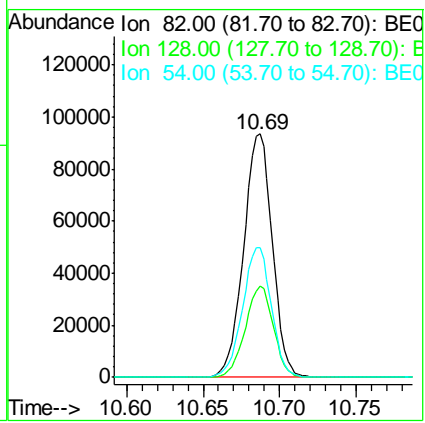




#3
 Nitrobenzene-d5
 Concen: 10.19 ng
 RT: 10.69 min Scan# 1893
 Delta R.T. -0.00 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

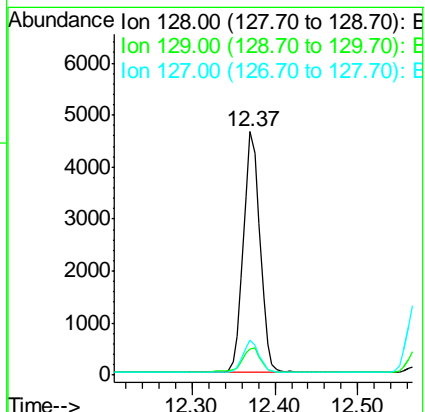
Instrument :
 BNA_E
 ClientSampled :

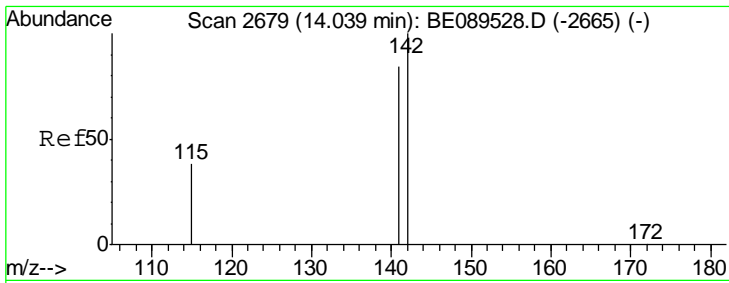
Tgt Ion	Resp	Lower	Upper
82	121737		
128	37.3	30.2	45.4
54	53.1	40.6	60.8



#4
 Naphthalene
 Concen: 0.16 ng
 RT: 12.37 min Scan# 2344
 Delta R.T. -0.01 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

Tgt Ion	Resp	Lower	Upper
128	6422		
129	10.7	9.1	13.7
127	14.1	10.5	15.7

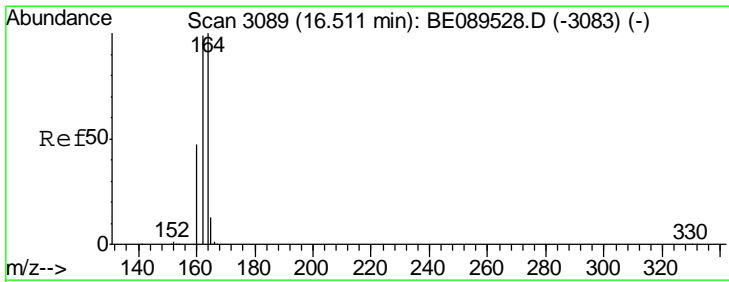
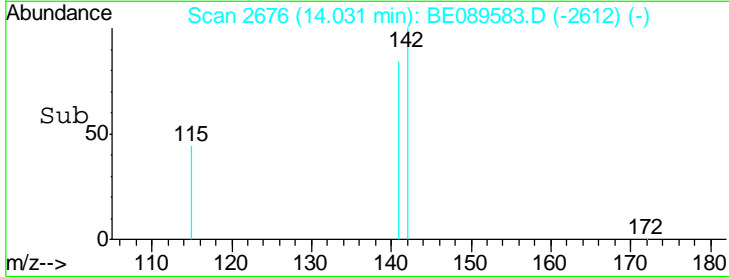
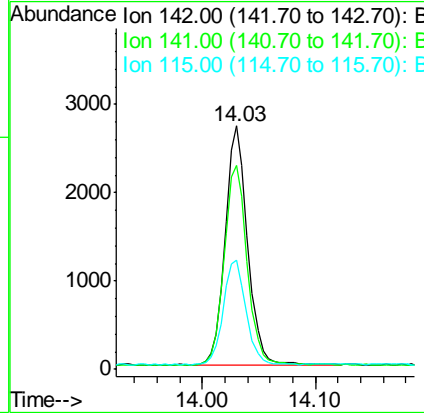
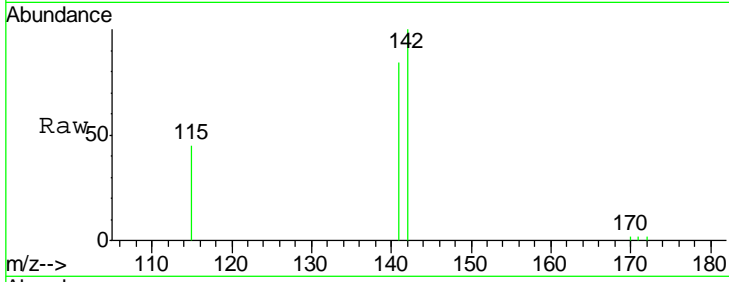




#5
 2-Methylnaphthalene
 Concen: 0.16 ng
 RT: 14.03 min Scan# 2676
 Delta R.T. -0.01 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

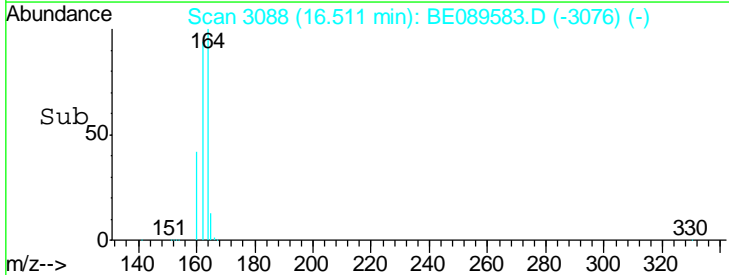
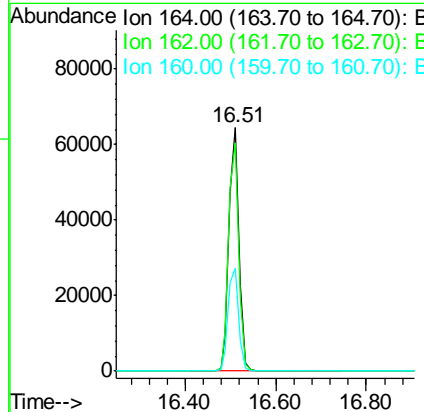
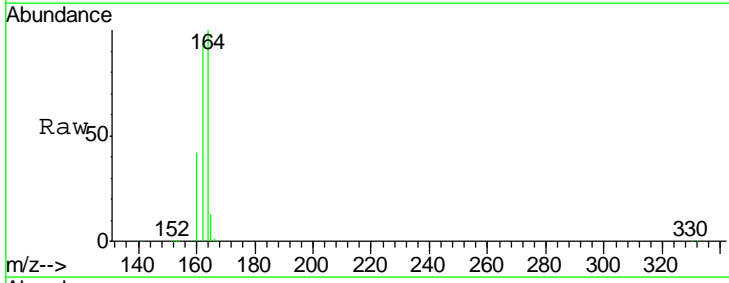
Instrument :
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 ClientSampled :

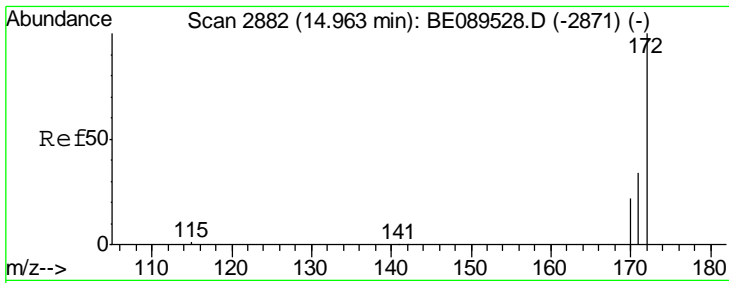
Tgt Ion	Resp	Ion Ratio	Lower	Upper
142	3683	100		
141		83.8	67.0	100.6
115		45.0	30.6	45.8



#6
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 16.51 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

Tgt Ion	Resp	Ion Ratio	Lower	Upper
164	97629	100		
162		93.8	79.5	119.3
160		42.3	37.6	56.4

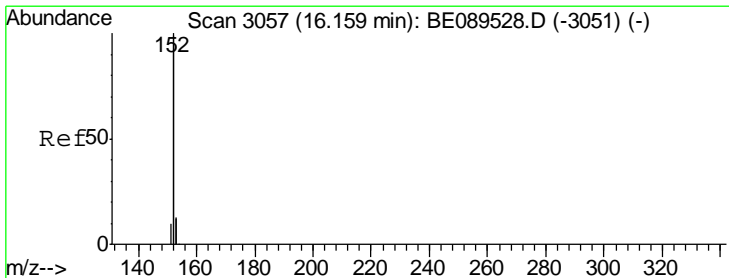
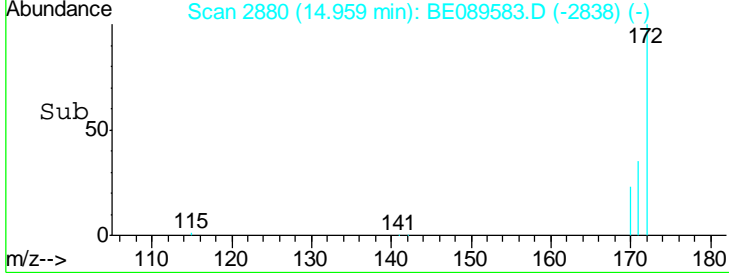
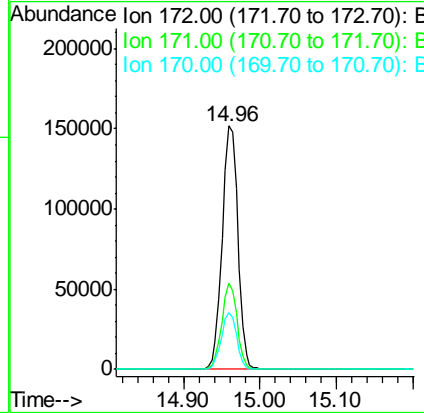
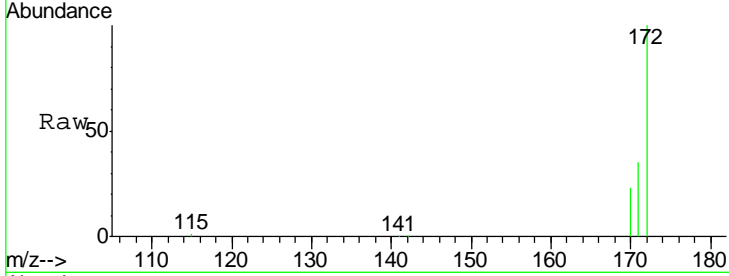




#7
 2-Fluorobiphenyl
 Concen: 8.33 ng
 RT: 14.96 min Scan# 2880
 Delta R.T. -0.00 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

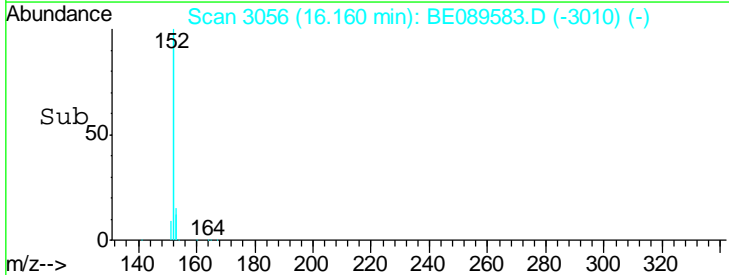
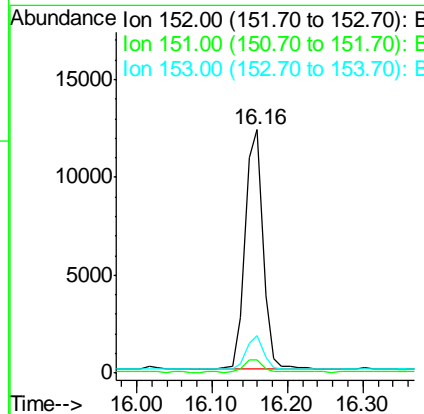
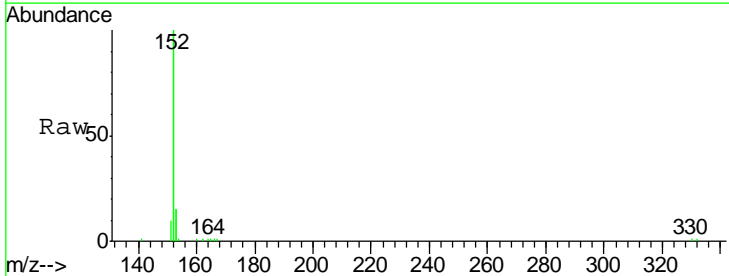
Instrument :
 BNA_E
 ClientSampled :

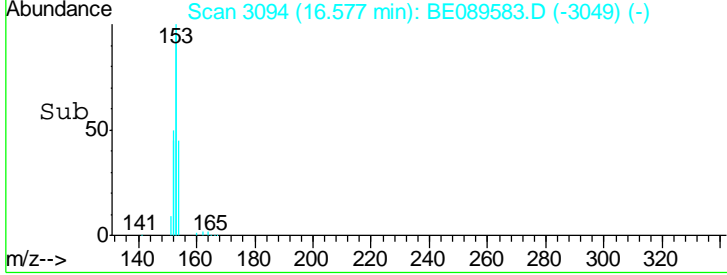
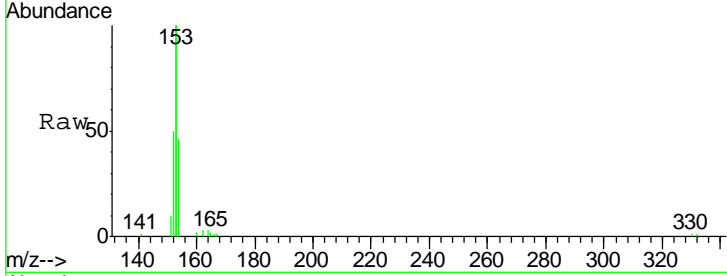
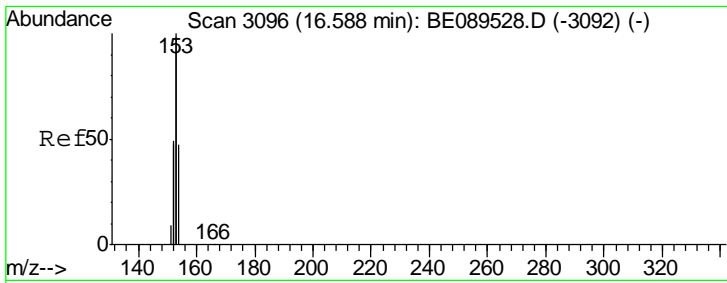
Tgt Ion	Resp	Lower	Upper
172	100		
171	35.3	27.7	41.5
170	23.4	18.3	27.5



#8
 Acenaphthylene
 Concen: 0.12 ng
 RT: 16.16 min Scan# 3056
 Delta R.T. 0.00 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

Tgt Ion	Resp	Lower	Upper
152	100		
151	5.2	4.0	6.0
153	13.3	10.6	15.8

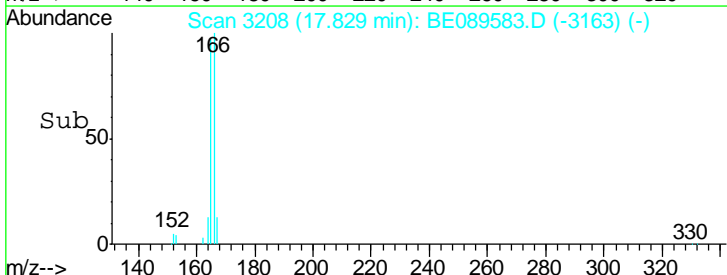
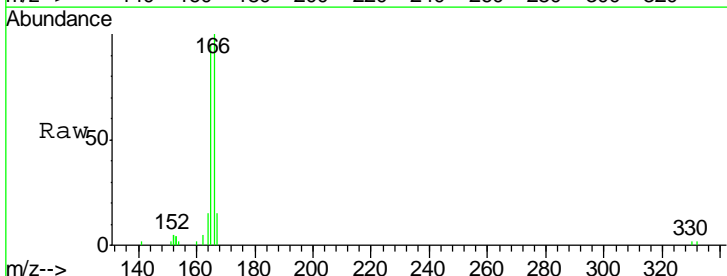
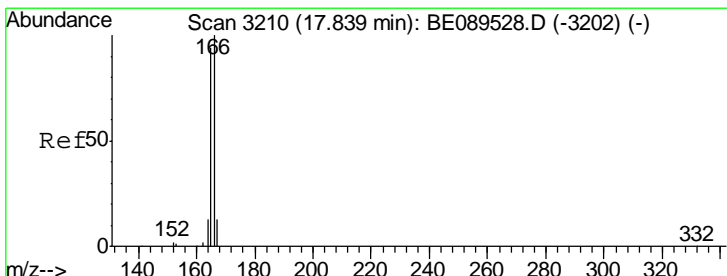
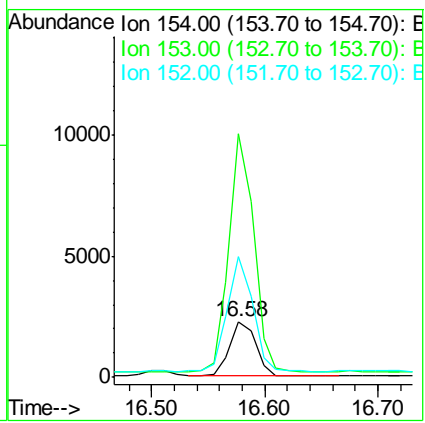




#9
 Acenaphthene
 Concen: 0.14 ng
 RT: 16.58 min Scan# 3094
 Delta R.T. -0.01 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

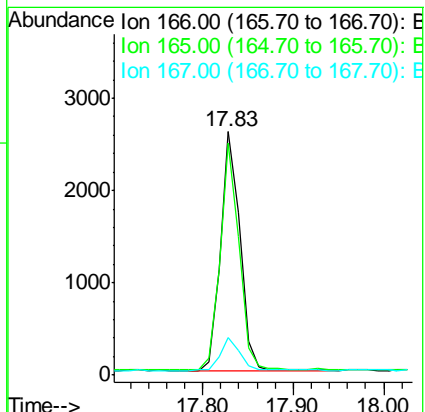
Instrument :
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 ClientSampled :

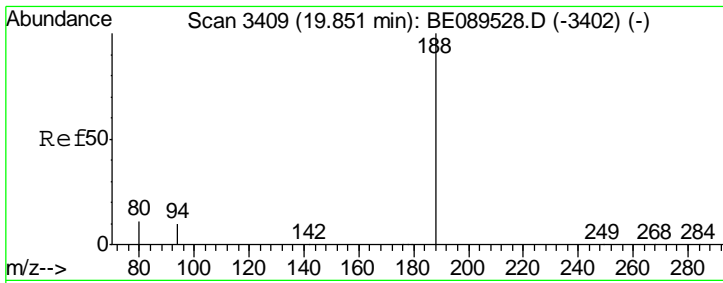
Tgt Ion	Resp	Lower	Upper
154	100		
153	416.9	340.8	511.2
152	214.6	165.5	248.3



#10
 Fluorene
 Concen: 0.14 ng
 RT: 17.83 min Scan# 3208
 Delta R.T. -0.01 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

Tgt Ion	Resp	Lower	Upper
166	100		
165	91.1	75.5	113.3
167	13.9	10.9	16.3

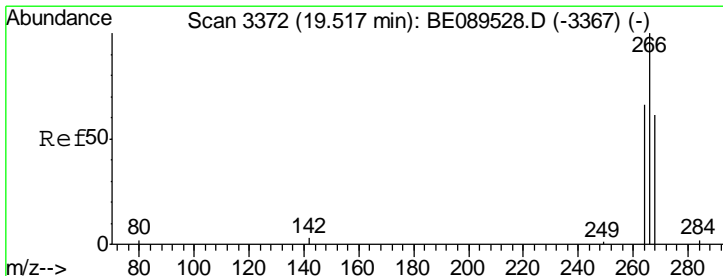
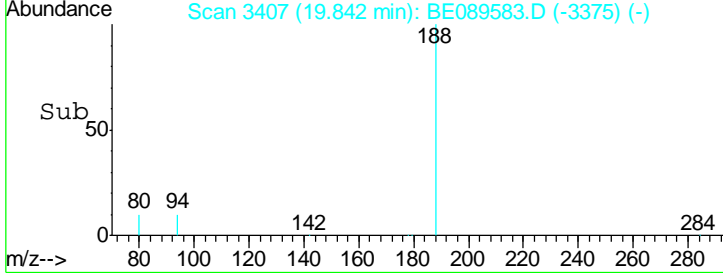
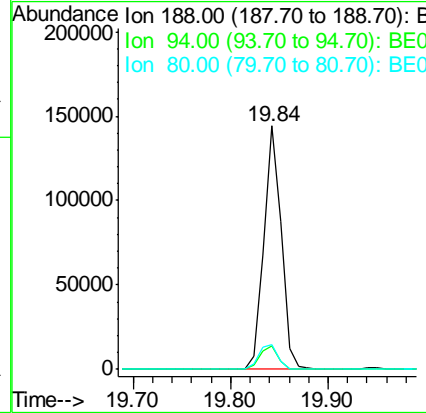
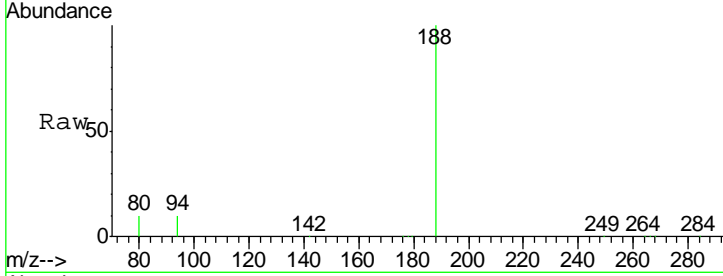




#11
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 19.84 min Scan# 3407
 Delta R.T. -0.01 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

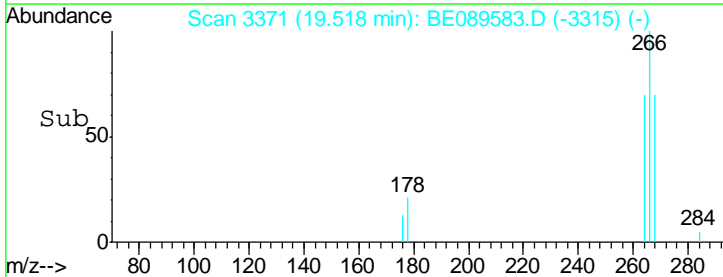
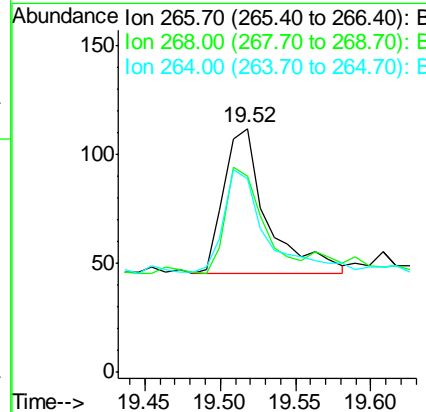
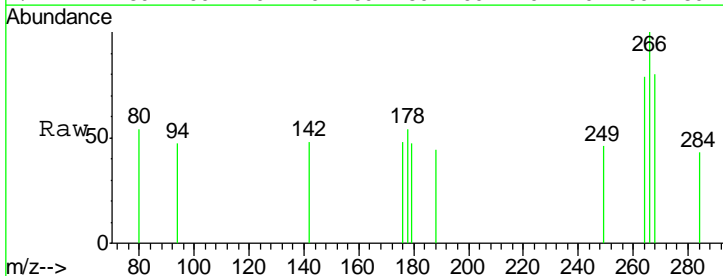
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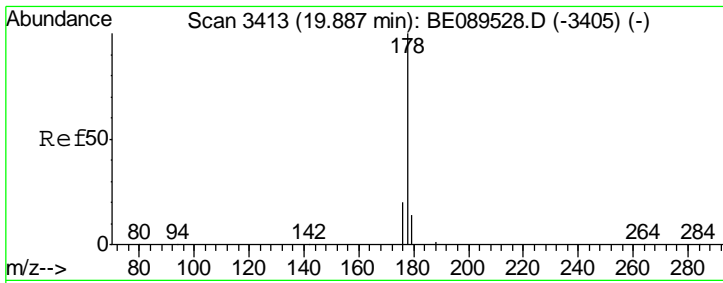
Tgt Ion	Resp	Lower	Upper
188	174450		
94	9.6	8.4	12.6
80	10.4	8.6	12.8



#12
 Pentachlorophenol
 Concen: 0.63 ng
 RT: 19.52 min Scan# 3371
 Delta R.T. 0.00 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

Tgt Ion	Resp	Lower	Upper
266	135		
268	80.4	57.9	86.9
264	79.5	60.2	90.4

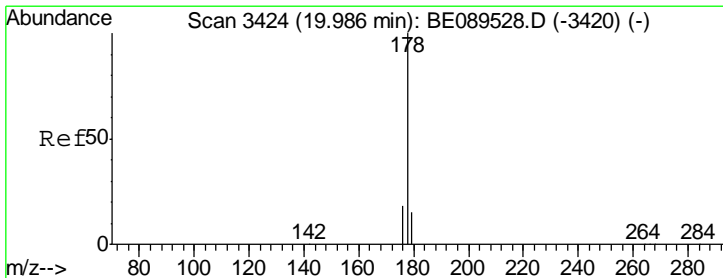
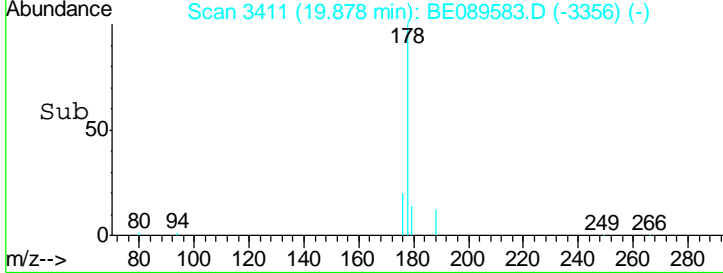
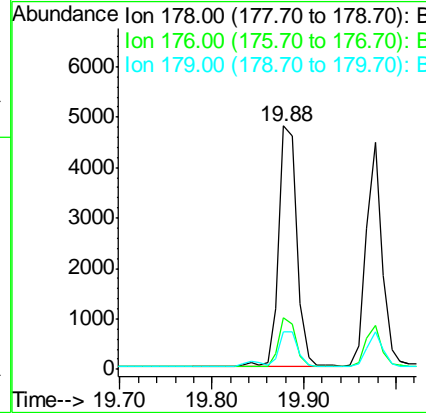
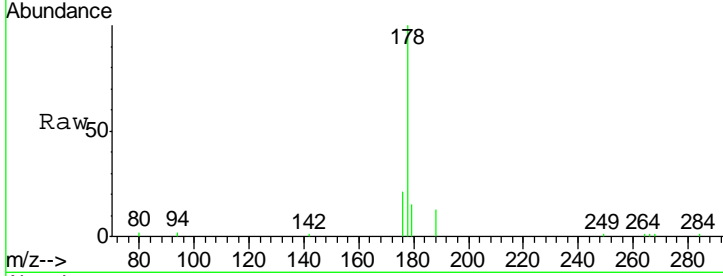




#13
 Phenanthrene
 Concen: 0.15 ng
 RT: 19.88 min Scan# 3411
 Delta R.T. -0.01 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

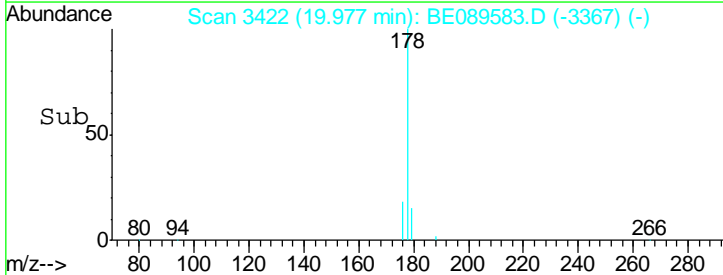
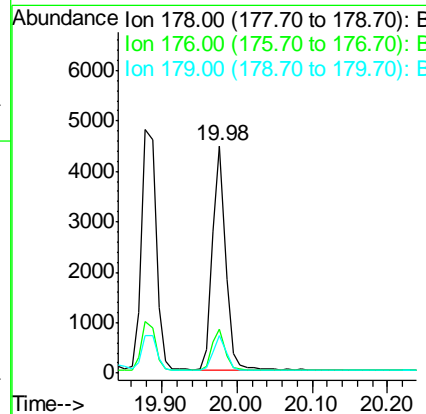
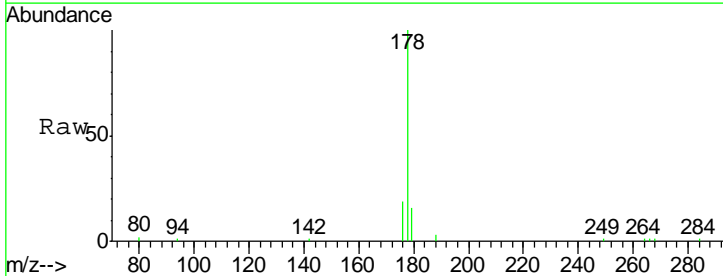
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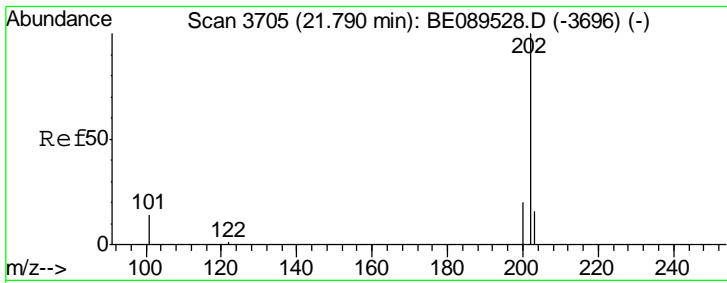
Tgt Ion	Resp	Ion Ratio	Lower	Upper
178	6673	100		
176		19.5	15.4	23.0
179		17.5	12.2	18.2



#14
 Anthracene
 Concen: 0.15 ng
 RT: 19.98 min Scan# 3422
 Delta R.T. -0.01 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

Tgt Ion	Resp	Ion Ratio	Lower	Upper
178	5474	100		
176		18.6	14.5	21.7
179		15.5	12.2	18.2



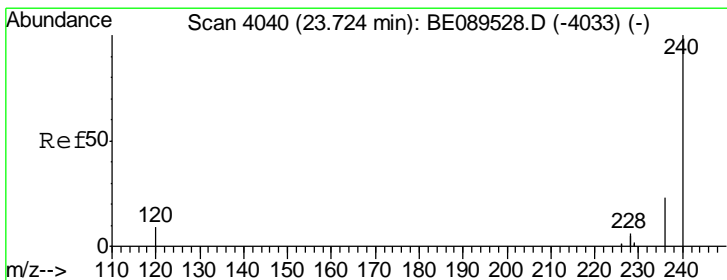
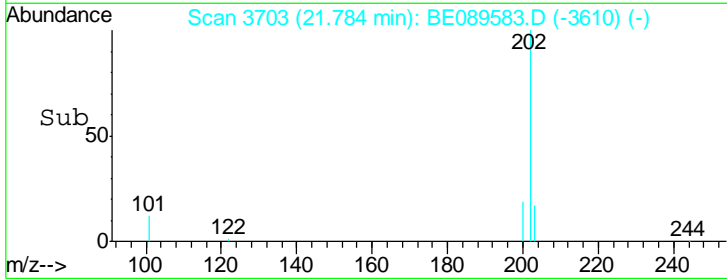
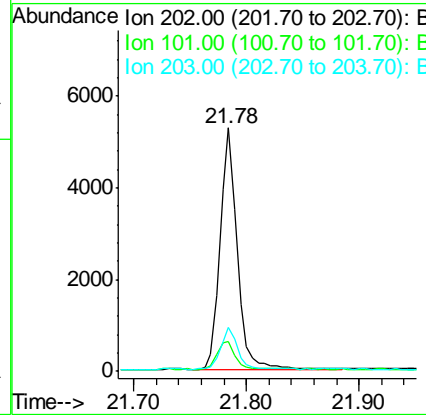
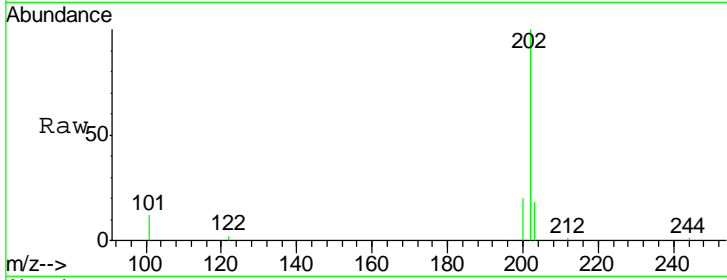


#15
 Fluoranthene
 Concen: 0.14 ng
 RT: 21.78 min Scan# 3703
 Delta R.T. -0.01 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

Instrument :
 BNA_E
 ClientSampled :

Tgt Ion: 202 Resp: 5563

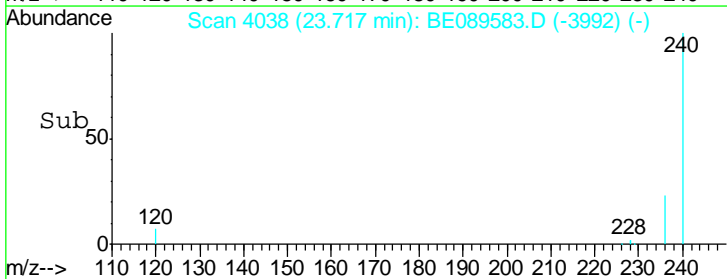
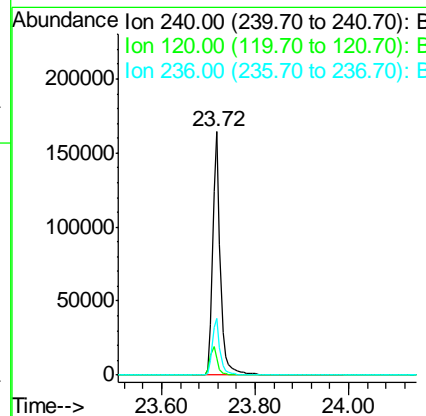
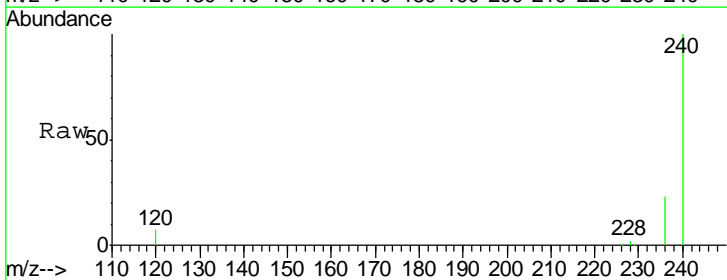
Ion	Ratio	Lower	Upper
202	100		
101	12.3	11.6	17.4
203	16.8	13.6	20.4

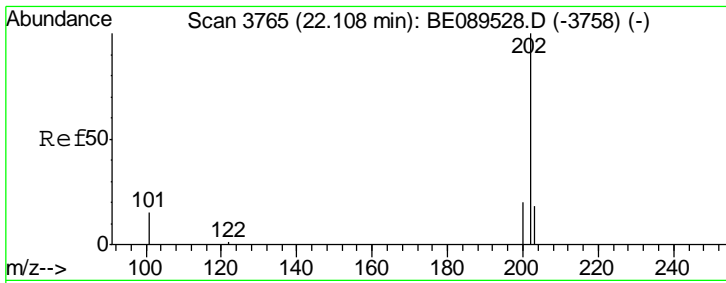


#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.72 min Scan# 4038
 Delta R.T. -0.01 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

Tgt Ion: 240 Resp: 186766

Ion	Ratio	Lower	Upper
240	100		
120	6.9	7.2	10.8#
236	23.3	18.5	27.7

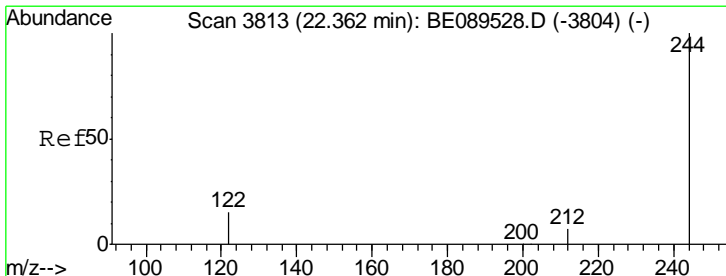
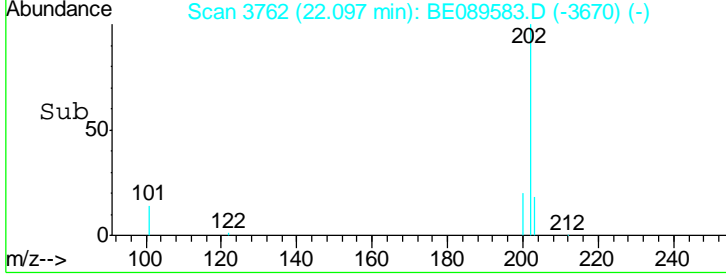
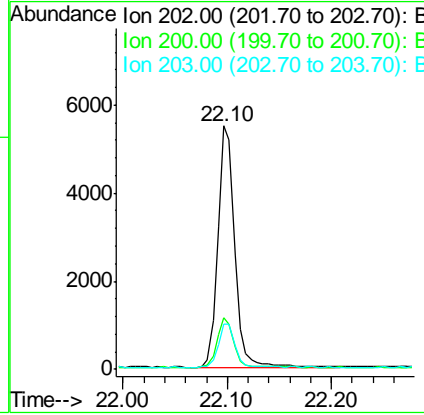
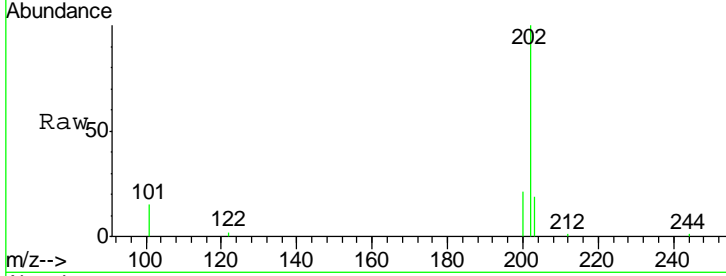




#17
 Pyrene
 Concen: 0.16 ng
 RT: 22.10 min Scan# 3762
 Delta R.T. -0.01 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

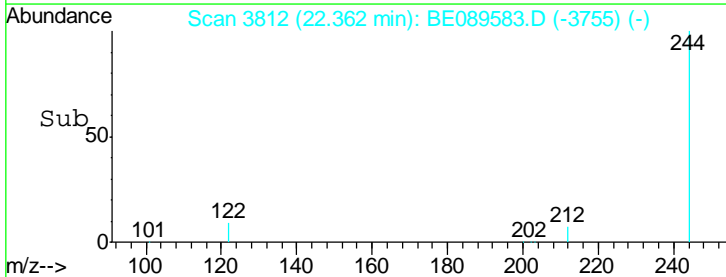
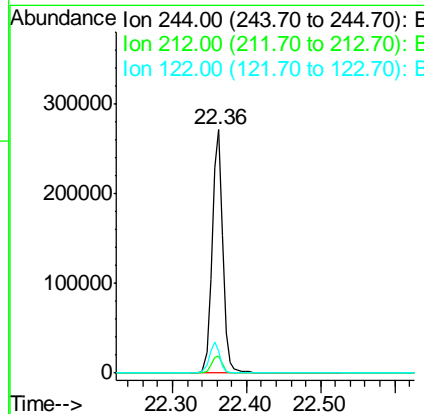
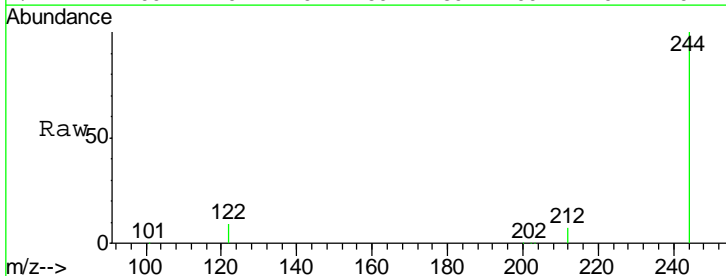
Instrument :
 BNA_E
 ClientSampled :

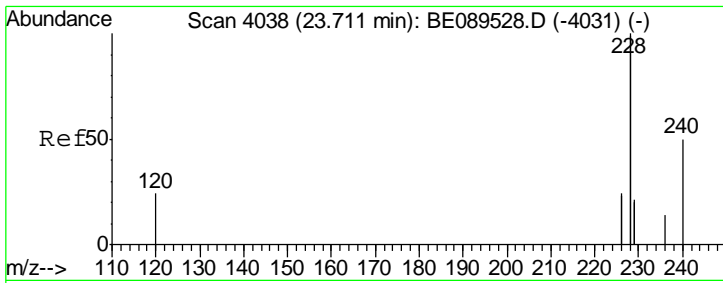
Tgt Ion	Resp	Lower	Upper
202	100		
200	20.3	16.3	24.5
203	17.7	13.5	20.3



#18
 Terphenyl-d14
 Concen: 11.12 ng
 RT: 22.36 min Scan# 3812
 Delta R.T. -0.00 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

Tgt Ion	Resp	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	9.2	12.6	19.0#

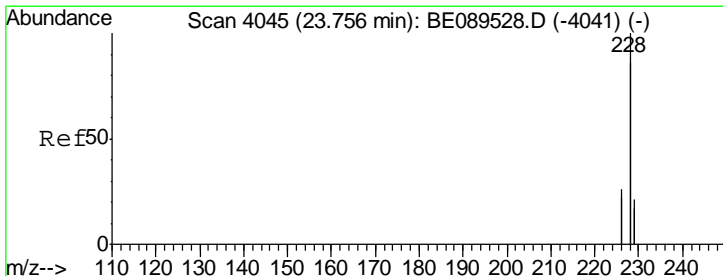
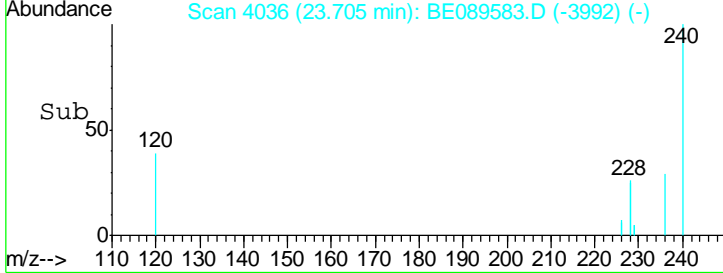
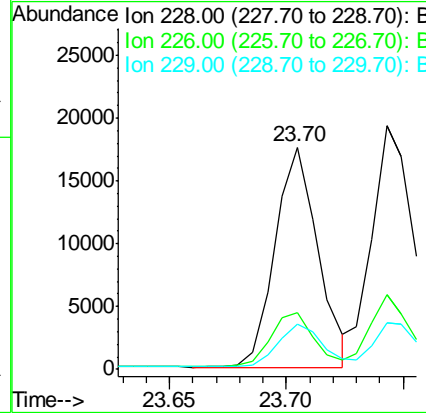
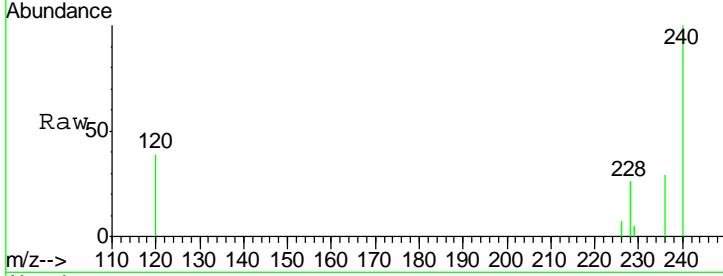




#19
 Benzo(a)anthracene
 Concen: 0.13 ng
 RT: 23.70 min Scan# 4036
 Delta R.T. -0.01 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

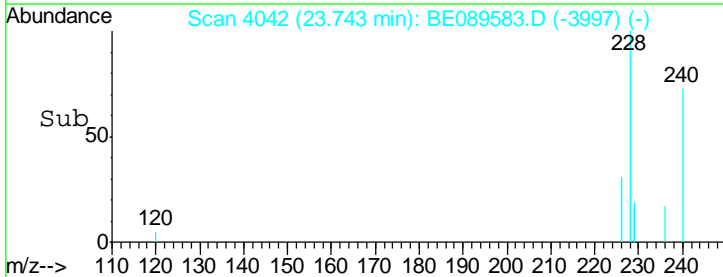
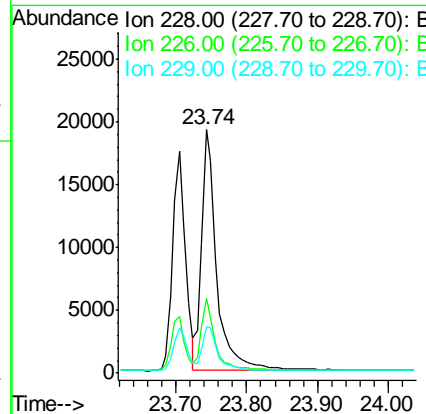
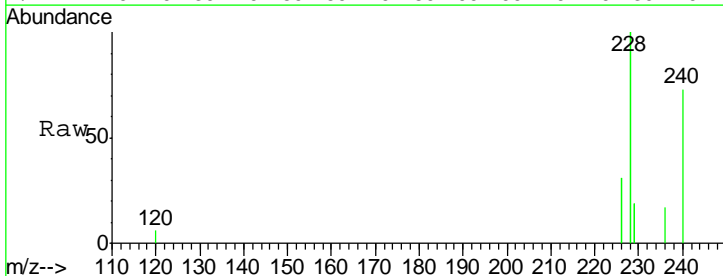
Instrument :
 BNA_E
 ClientSampled :

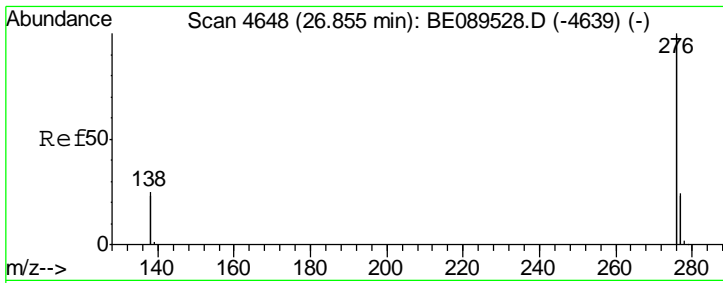
Tgt Ion	Resp	Lower	Upper
228	100		
226	25.4	19.0	28.4
229	20.6	16.8	25.2



#20
 Chrysene
 Concen: 0.17 ng
 RT: 23.74 min Scan# 4042
 Delta R.T. -0.01 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

Tgt Ion	Resp	Lower	Upper
228	100		
226	30.8	21.0	31.4
229	19.2	16.7	25.1



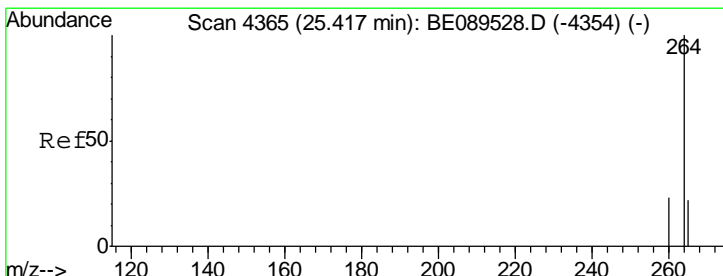
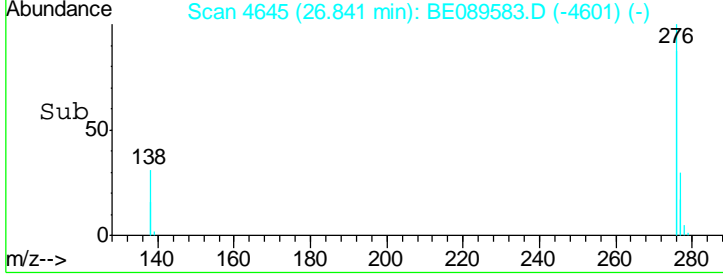
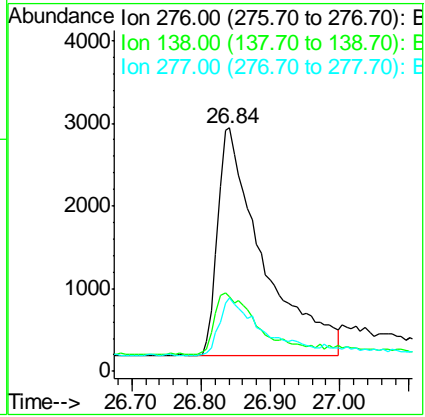
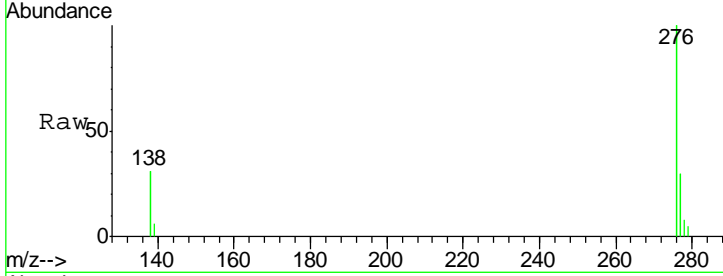


#21
 Indeno(1,2,3-cd)pyrene
 Concen: 0.05 ng
 RT: 26.84 min Scan# 4645
 Delta R.T. -0.01 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

Instrument :
 BNA_E
 ClientSampled :

Tgt Ion: 276 Resp: 12464

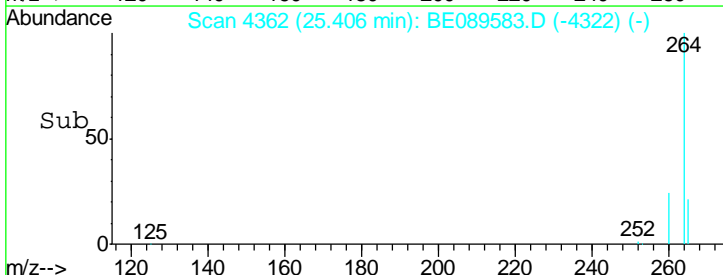
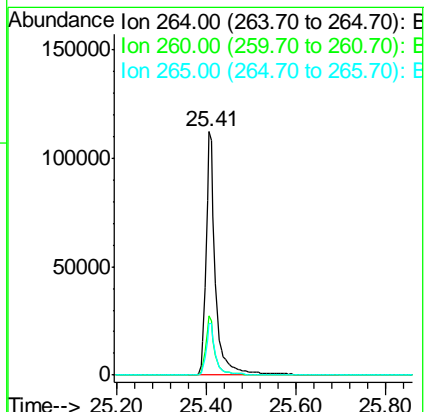
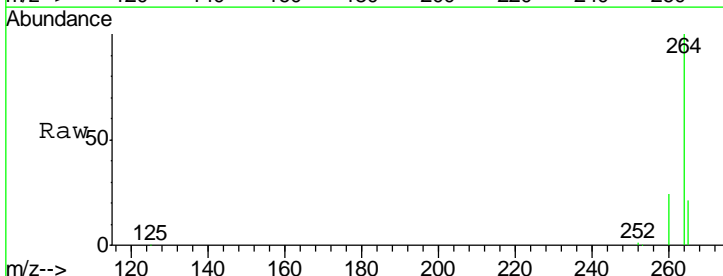
Ion	Ratio	Lower	Upper
276	100		
138	25.8	23.0	34.4
277	23.8	19.9	29.9

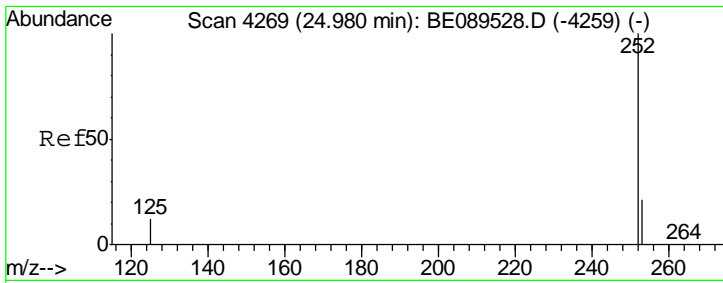


#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.41 min Scan# 4362
 Delta R.T. -0.01 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

Tgt Ion: 264 Resp: 163939

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.7	28.1
265	21.2	17.5	26.3



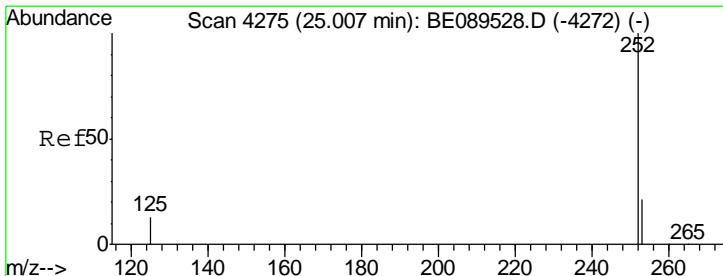
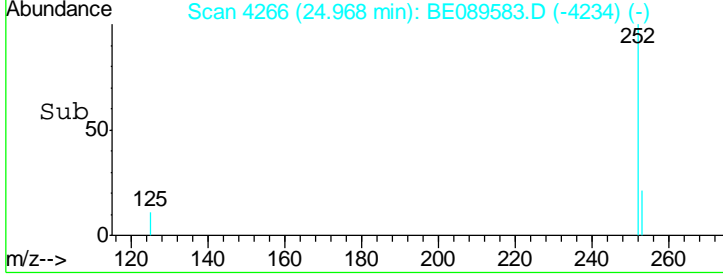
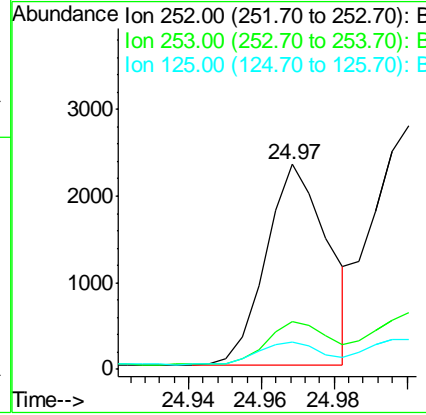
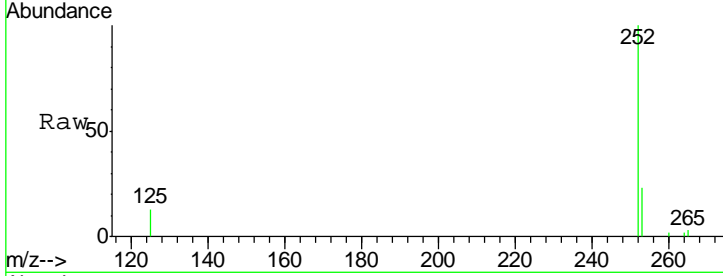


#23
 Benzo(b)fluoranthene
 Concen: 0.09 ng
 RT: 24.97 min Scan# 4266
 Delta R.T. -0.01 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

Instrument :
 BNA_E
 ClientSampled :

Tgt Ion: 252 Resp: 2733

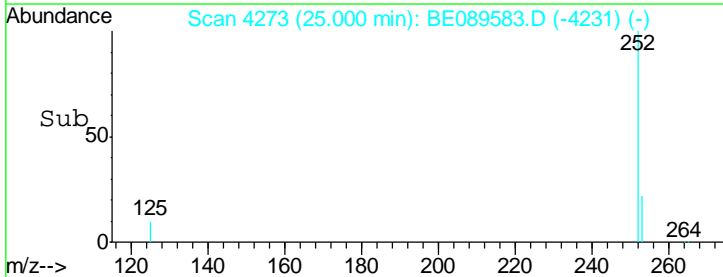
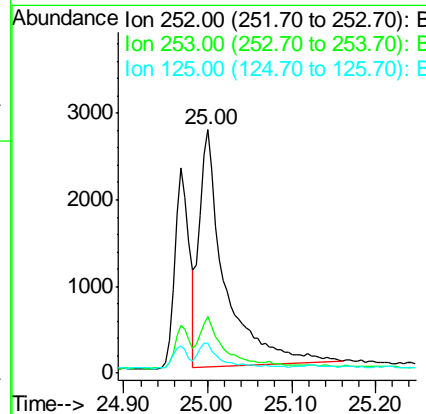
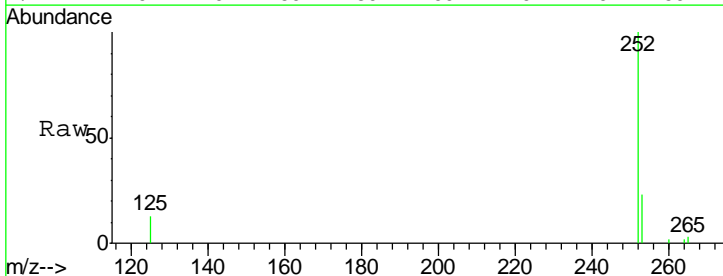
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	13.3	10.4	15.6

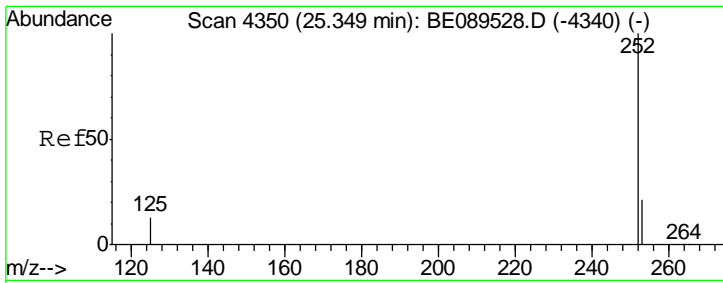


#24
 Benzo(k)fluoranthene
 Concen: 0.15 ng
 RT: 25.00 min Scan# 4273
 Delta R.T. -0.01 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

Tgt Ion: 252 Resp: 5751

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	12.5	10.6	15.8

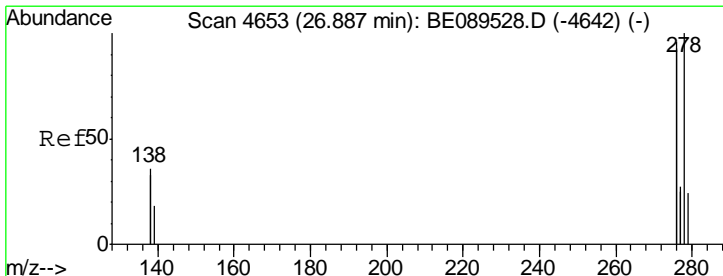
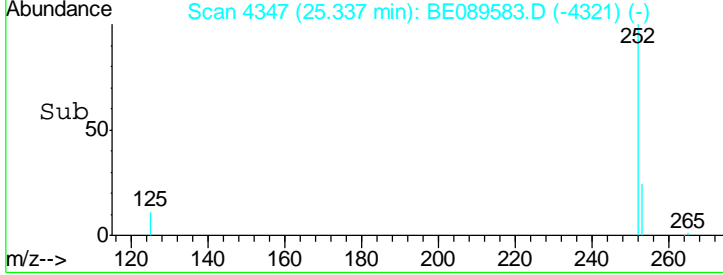
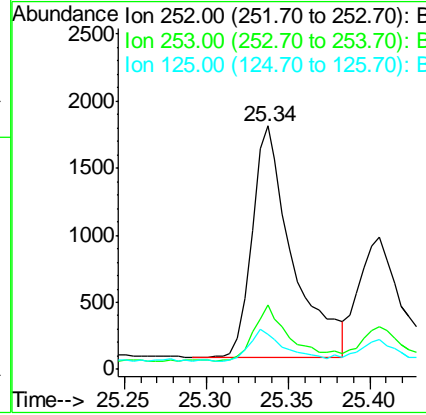
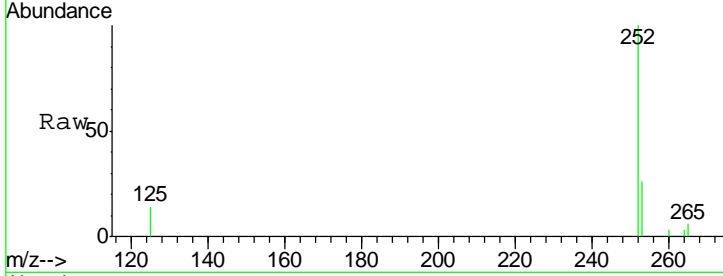




#25
 Benzo(a)pyrene
 Concen: 0.09 ng
 RT: 25.34 min Scan# 4347
 Delta R.T. -0.01 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

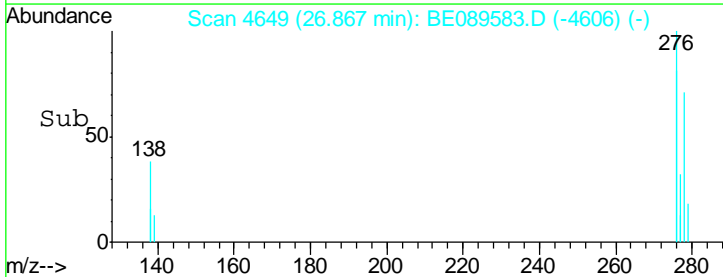
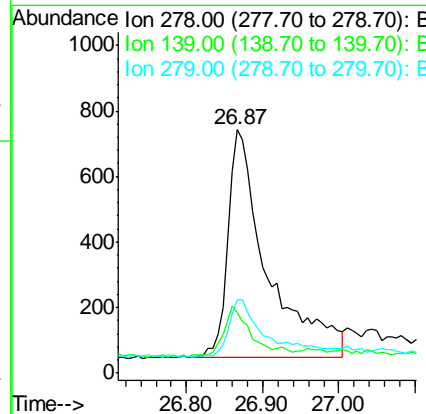
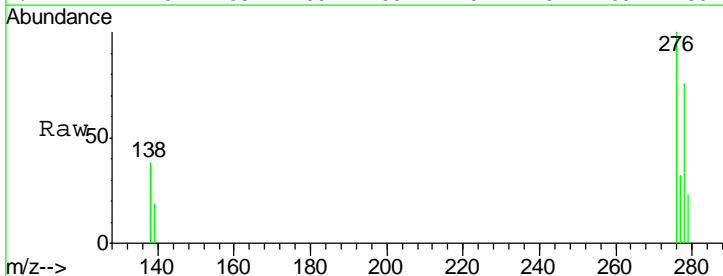
Instrument :
 BNA_E
 ClientSampled :

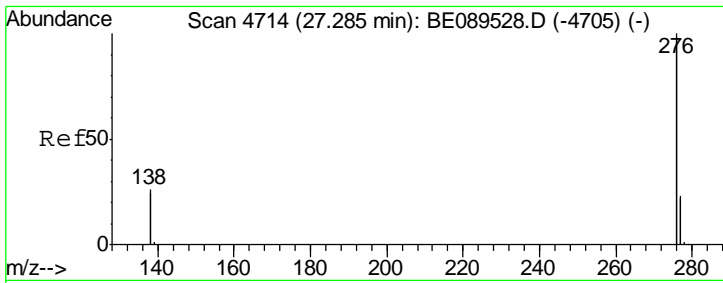
Tgt Ion	Resp	Lower	Upper
252	100		
253	26.3	17.8	26.6
125	14.5	11.4	17.2



#26
 Dibenzo(a,h)anthracene
 Concen: 0.06 ng
 RT: 26.87 min Scan# 4649
 Delta R.T. -0.02 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

Tgt Ion	Resp	Lower	Upper
278	100		
139	25.0	15.7	23.5#
279	30.3	19.5	29.3#





#27
 Benzo(g,h,i)perylene
 Concen: 0.09 ng
 RT: 27.26 min Scan# 4710
 Delta R.T. -0.02 min
 Lab File: BE089583.D
 Acq: 8 Feb 2015 9:26

Instrument :
 BNA_E
 ClientSampled :

Tgt Ion: 276 Resp: 14240

Ion	Ratio	Lower	Upper
276	100		
277	27.9	18.6	27.8#
138	25.9	20.9	31.3

