

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080217\
 Data File : BE093624.D
 Acq On : 2 Aug 2017 13:18
 Operator : SJ/JU
 Sample : I4351-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 0550

Manual Integrations
 APPROVED

Sohil
 8/3/2017 6:06:45 PM

Quant Time: Aug 02 18:25:16 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 10:58:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	2733	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	13895	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	7820	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	19572	0.40	ng	0.00
27) Chrysene-d12	21.40	240	18837	0.40	ng	-0.01
34) Perylene-d12	23.91	264	16785	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.51	112	1575	0.19	ng	0.00
5) Phenol-d6	7.10	99	2482	0.20	ng	0.00
8) Nitrobenzene-d5	9.06	82	2063	0.19	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	3624	0.17	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	659	0.39	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	5428	0.17	ng	-0.02
25) Fluoranthene-d10	19.27	212	61724	0.28	ng	0.00
29) Terphenyl-d14	19.86	244	12047	0.36	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.76	128	1124607	6.992	ng	99
16) Acenaphthylene	14.24	152	229920	6.153	ng	# 87
17) Acenaphthene	14.58	154	132009	5.007	ng	99
18) Fluorene	15.56	166	106325	3.017	ng	# 87
23) Phenanthrene	17.27	178	247741	5.757	ng	# 78
24) Anthracene	17.37	178	319353	5.426	ng	# 87
26) Fluoranthene	19.30	202	622227	9.078	ng	99
28) Pyrene	19.66	202	157559	2.589	ng	# 93
30) Benzo(a)anthracene	21.39	228	131592	2.376	ng	95
31) Chrysene	21.45	228	120028	1.944	ng	95
32) Bis(2-ethylhexyl)phthalate	21.30	149	63780	0.845	ng	97
33) Indeno(1,2,3-cd)pyrene	26.55	276	352266	6.299	ng	# 93
35) Benzo(b)fluoranthene	23.14	252	417174m	6.966	ng	
36) Benzo(k)fluoranthene	23.19	252	172901	2.825	ng	94
37) Benzo(a)pyrene	23.80	252	197874	3.646	ng	# 92
38) Dibenzo(a,h)anthracene	26.57	278	263486	5.031	ng	# 88
39) Benzo(g,h,i)perylene	27.37	276	118793	2.236	ng	# 91

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

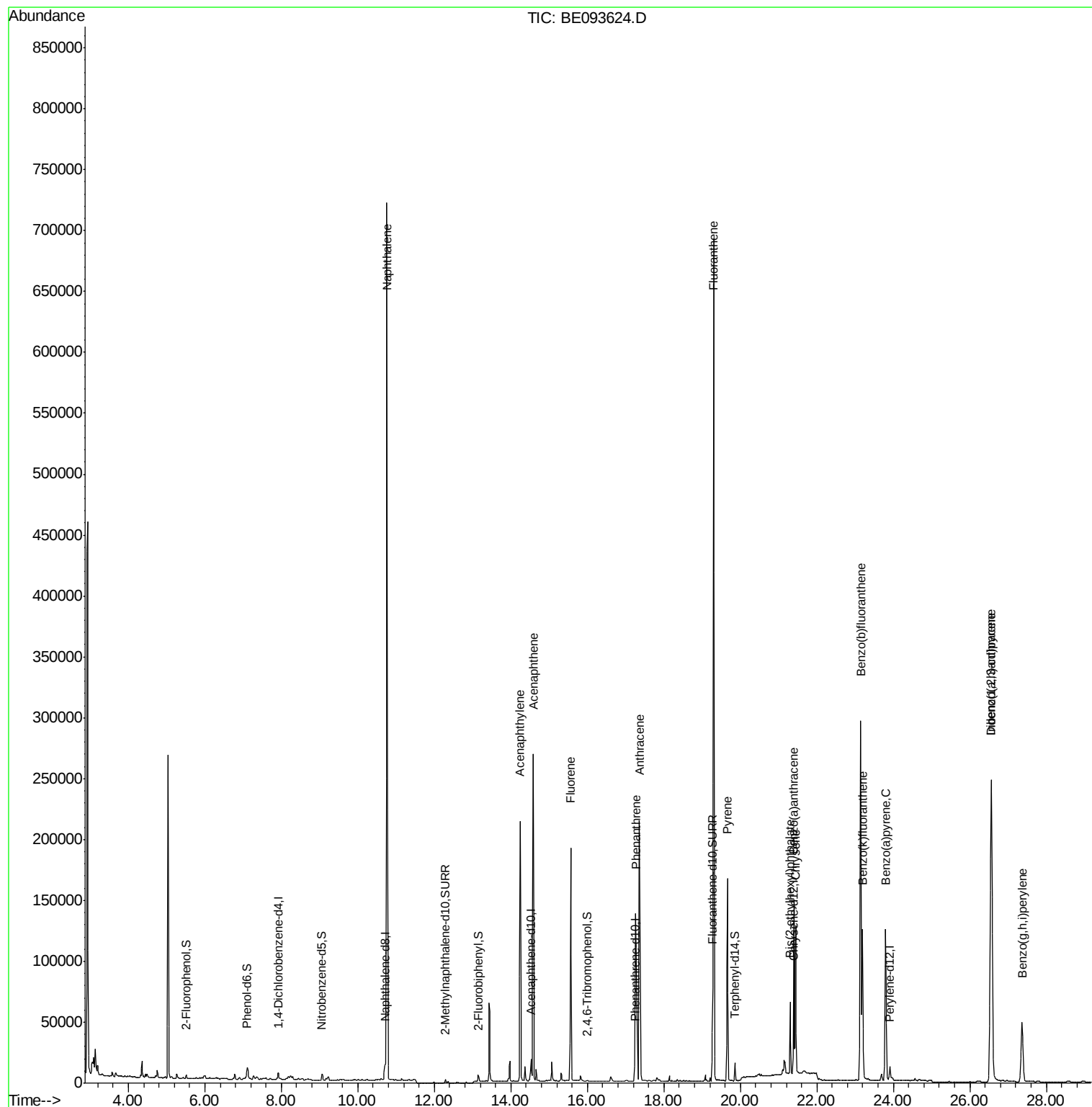
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080217\
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#1

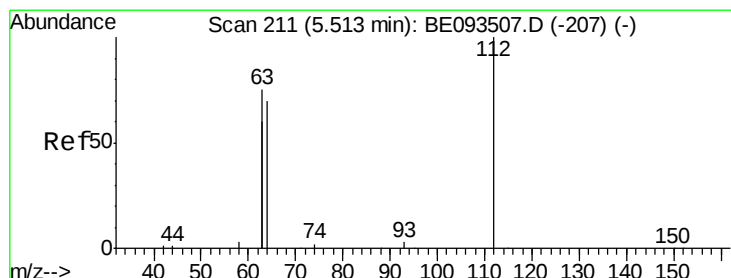
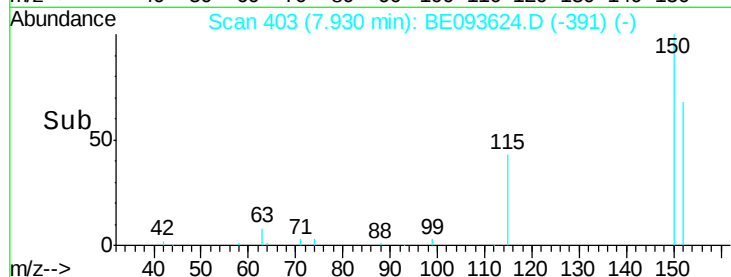
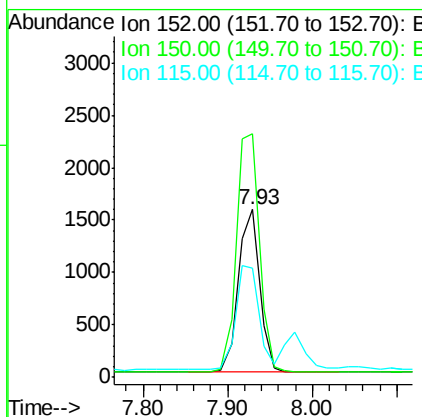
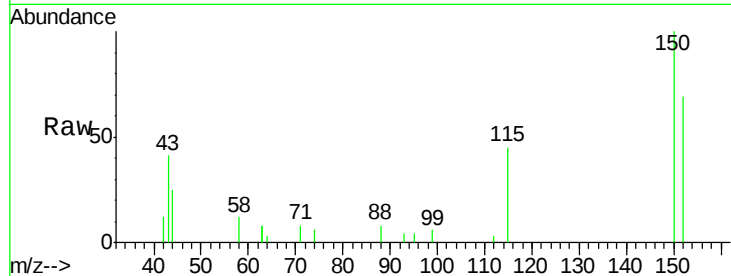
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.93 min Scan# 403
Delta R.T. -0.00 min
Lab File: BE093624.D
Acq: 2 Aug 2017 13:18

Instrument :
BNA_E
ClientSampleId :
0550

Tgt Ion	Ratio	Lower	Upper
152	100		
150	145.3	125.1	187.7
115	65.2	55.7	83.5

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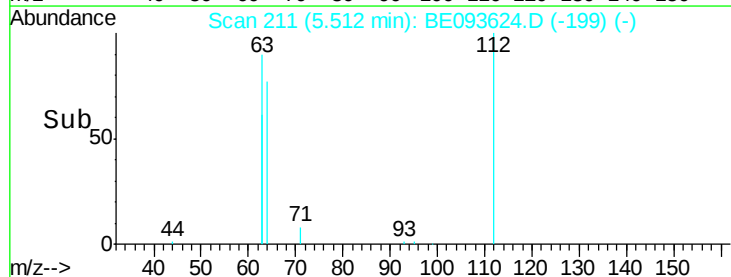
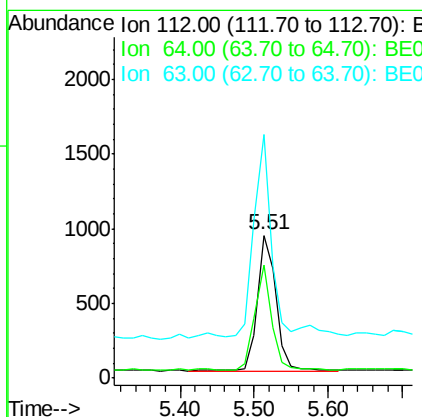
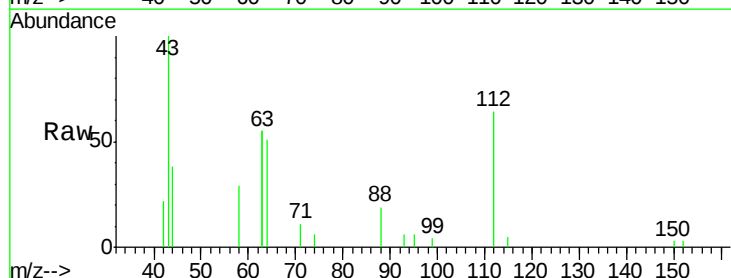
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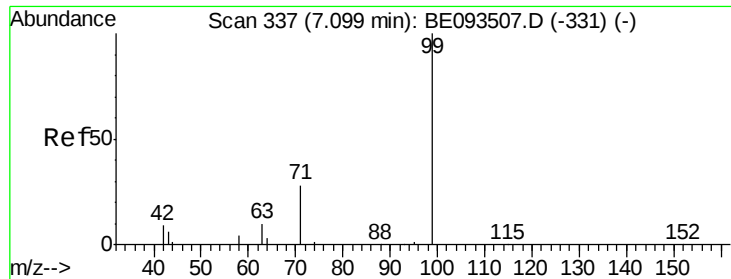


#4

2-Fluorophenol
Concen: 0.193 ng
RT: 5.51 min Scan# 211
Delta R.T. -0.00 min
Lab File: BE093624.D
Acq: 2 Aug 2017 13:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.1	56.4	84.6
63	138.3	29.3	43.9#





#5

Phenol-d6

Concen: 0.202 ng

RT: 7.10 min Scan# 337

Delta R.T. -0.00 min

Lab File: BE093624.D

Acq: 2 Aug 2017 13:18

Instrument :

BNA_E

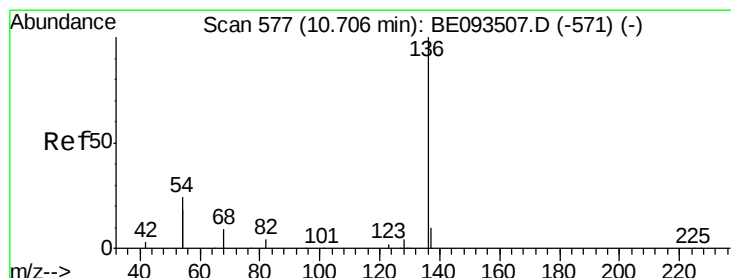
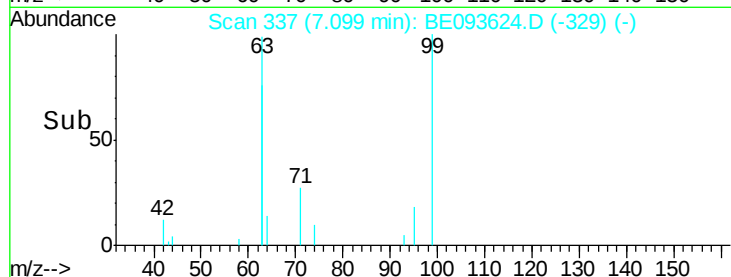
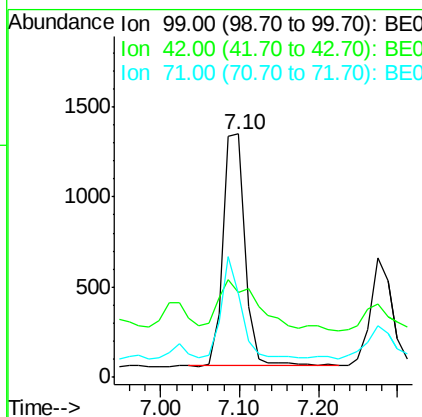
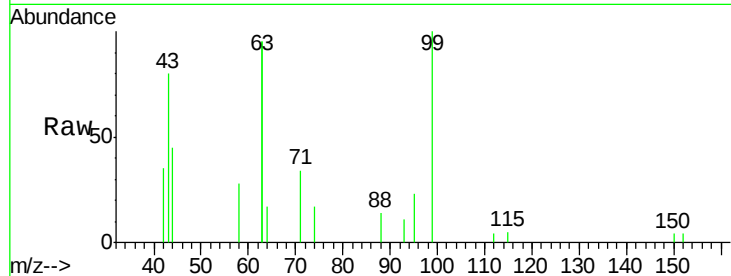
ClientSampleId :

0550

Tgt Ion:	99	Resp:	2482
Ion Ratio	Lower	Upper	
99	100		
42	35.6	0.0	0.0#
71	38.8	0.0	0.0#

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#7

Naphthalene-d8

Concen: 0.400 ng

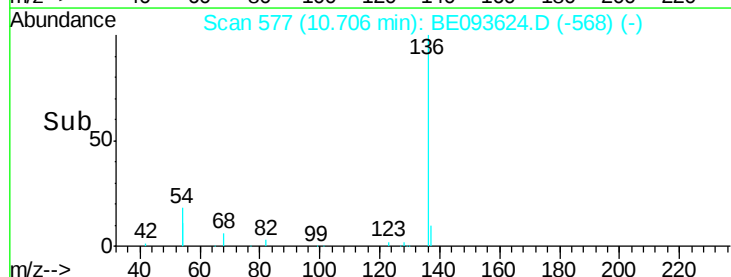
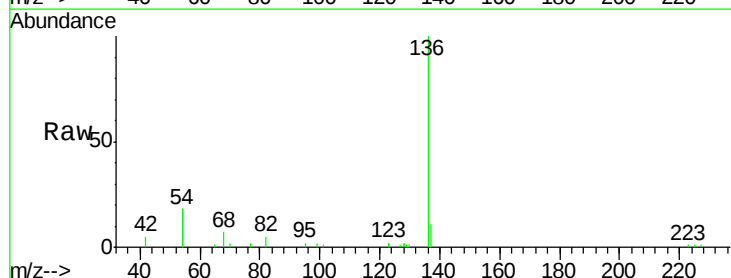
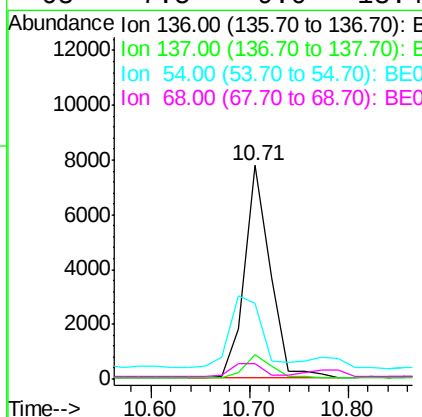
RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE093624.D

Acq: 2 Aug 2017 13:18

Tgt Ion:	136	Resp:	13895
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.8	14.8
54	35.2	10.3	15.5#
68	7.5	9.0	13.4#





#8

Nitrobenzene-d5

Concen: 0.195 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE093624.D

Acq: 2 Aug 2017 13:18

Instrument :

BNA_E

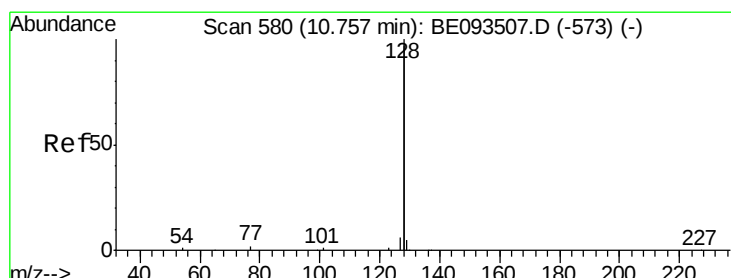
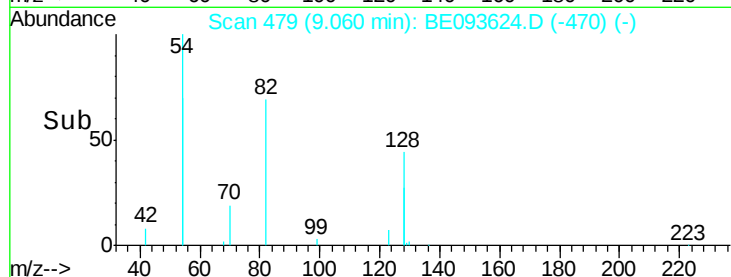
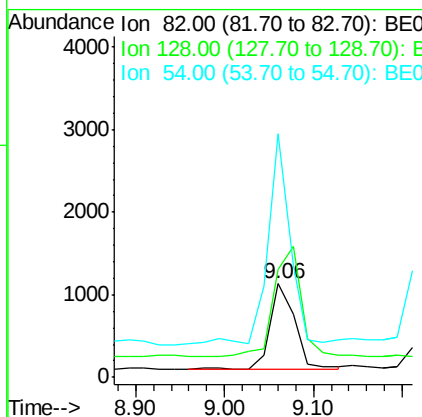
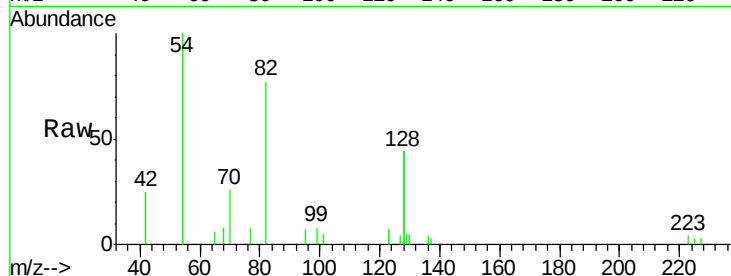
ClientSampled :

0550

Tgt Ion:	82	Resp:	2063
Ion Ratio	Lower	Upper	
82	100		
128	116.1	17.0	25.4#
54	261.1	53.8	80.6#

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#9

Naphthalene

Concen: 6.992 ng

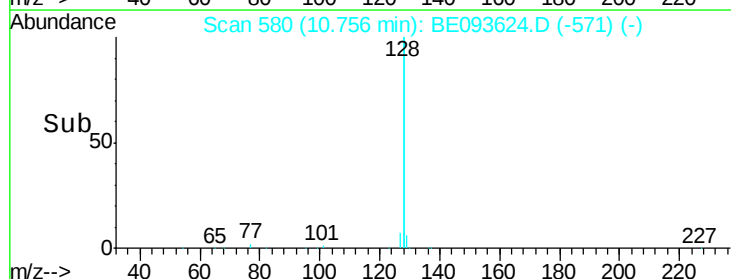
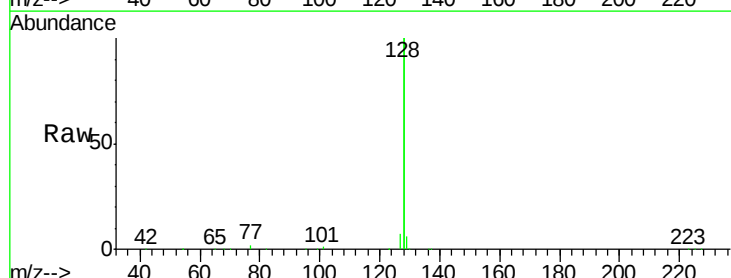
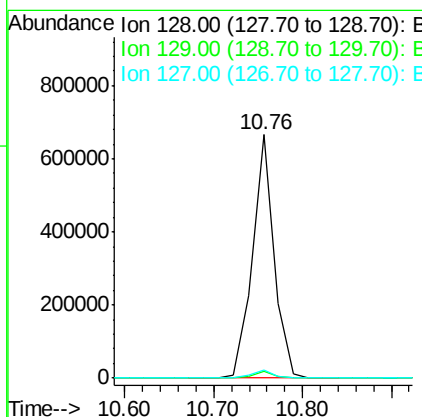
RT: 10.76 min Scan# 580

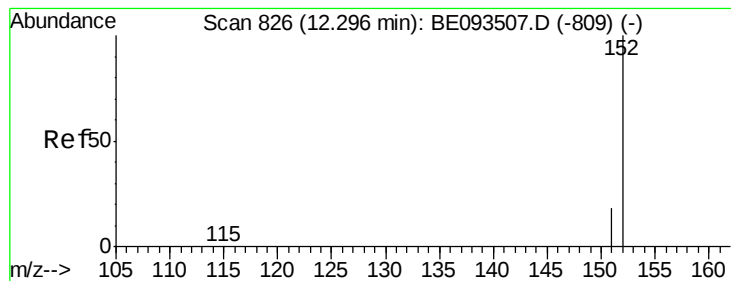
Delta R.T. -0.00 min

Lab File: BE093624.D

Acq: 2 Aug 2017 13:18

Tgt Ion:	128	Resp:	1124607
Ion Ratio	Lower	Upper	
128	100		
129	2.8	2.4	3.6
127	3.3	2.4	3.6





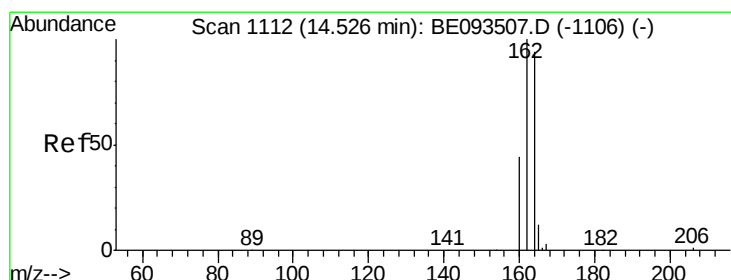
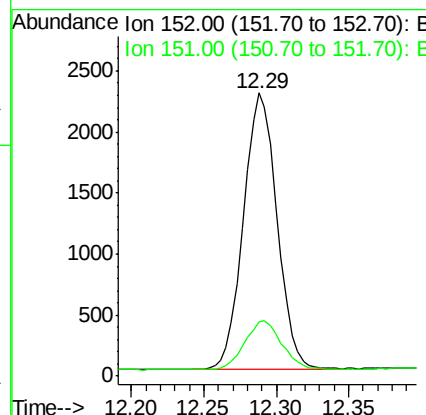
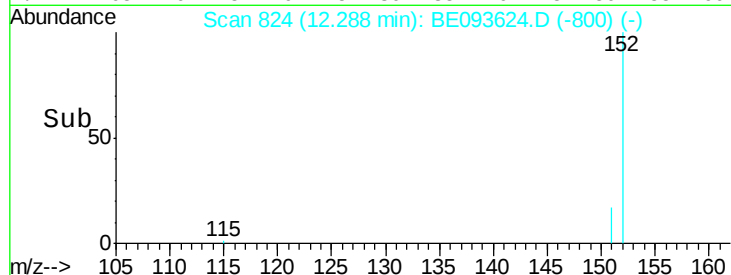
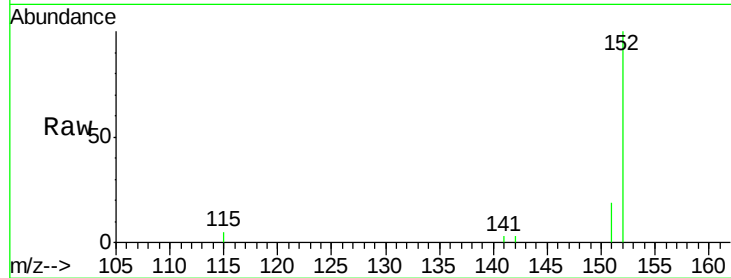
#11
 2-Methylnaphthalene-d10
 Concen: 0.165 ng
 RT: 12.29 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BE093624.D
 Acq: 2 Aug 2017 13:18

Instrument :
 BNA_E
 ClientSampleId :
 0550

Tgt Ion:152 Resp: 3624
 Ion Ratio Lower Upper
 152 100
 151 19.6 15.1 22.7

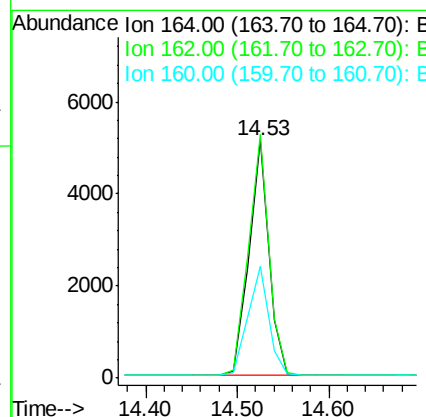
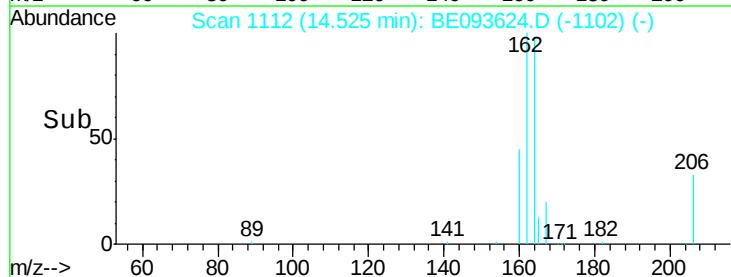
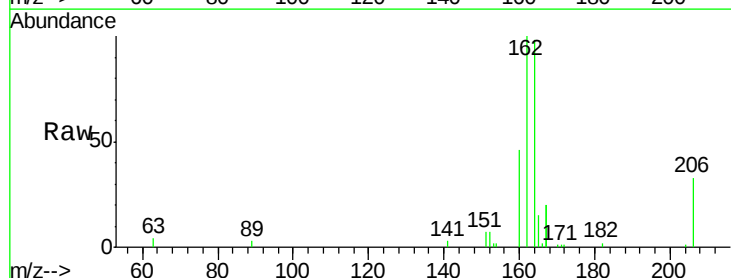
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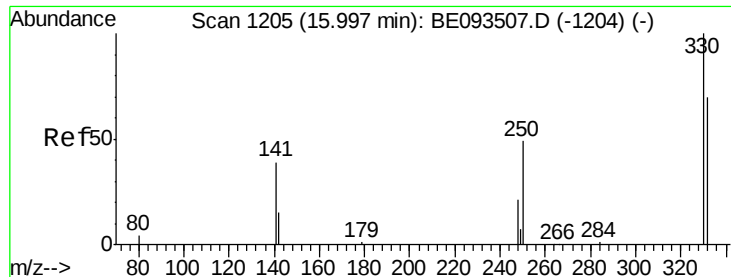
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#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.53 min Scan# 1112
 Delta R.T. -0.00 min
 Lab File: BE093624.D
 Acq: 2 Aug 2017 13:18

Tgt Ion:164 Resp: 7820
 Ion Ratio Lower Upper
 164 100
 162 102.4 84.6 127.0
 160 46.8 41.8 62.6





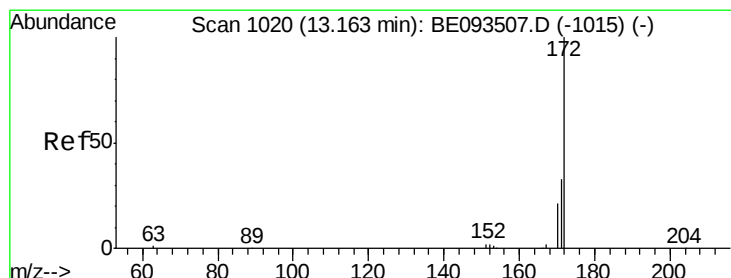
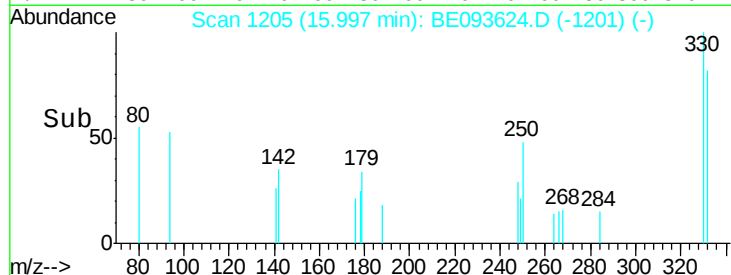
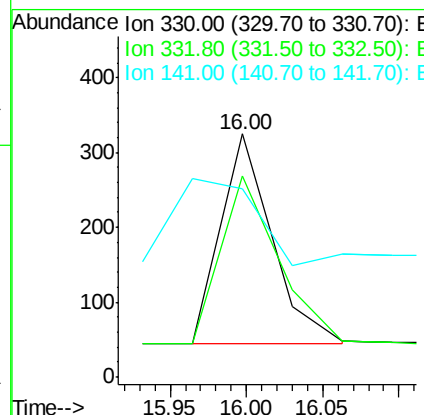
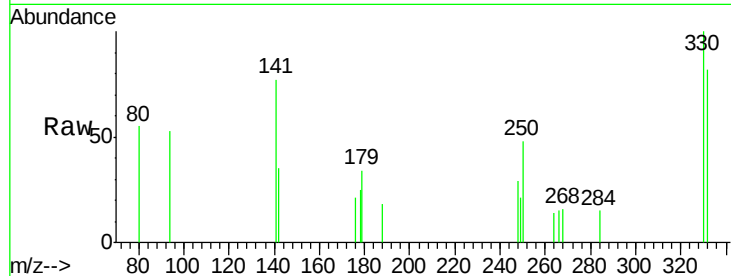
#14
 2,4,6-Tribromophenol
 Concen: 0.388 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BE093624.D
 Acq: 2 Aug 2017 13:18

Instrument :
 BNA_E
 ClientSampled :
 0550

Tgt Ion	Ratio	Lower	Upper
330	100		
332	89.4	77.7	116.5
141	0.0	56.2	84.4#

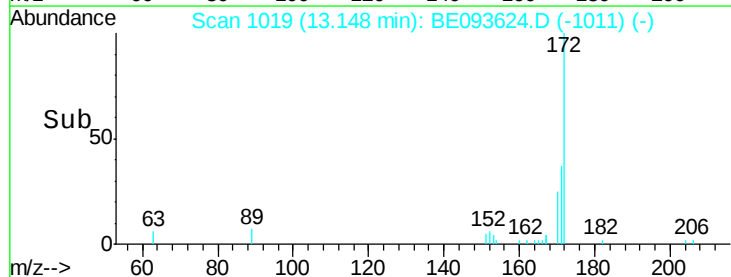
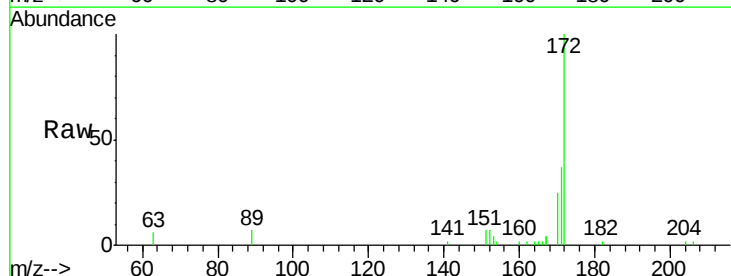
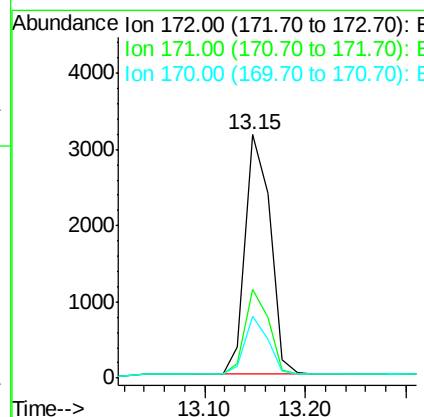
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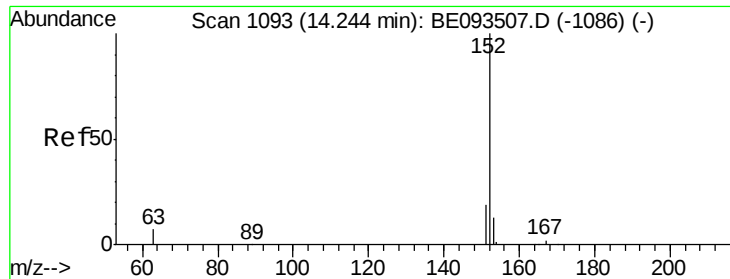
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#15
 2-Fluorobiphenyl
 Concen: 0.173 ng
 RT: 13.15 min Scan# 1019
 Delta R.T. -0.02 min
 Lab File: BE093624.D
 Acq: 2 Aug 2017 13:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.8	44.6
170	25.4	20.7	31.1





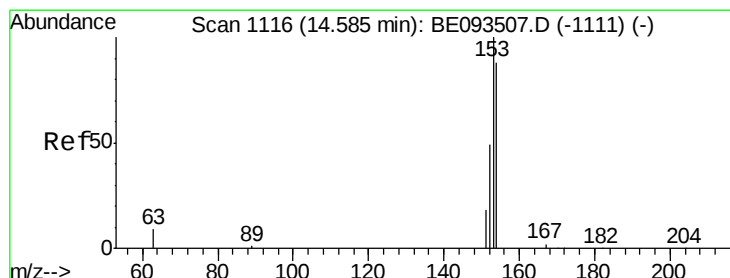
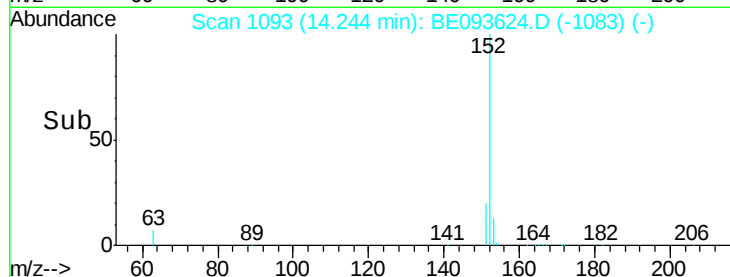
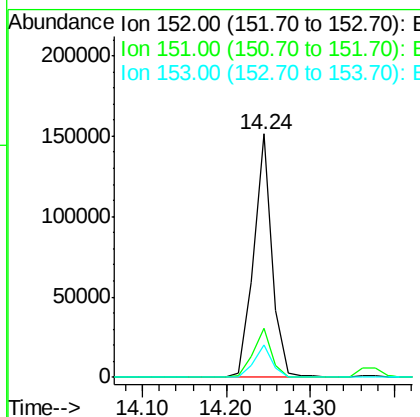
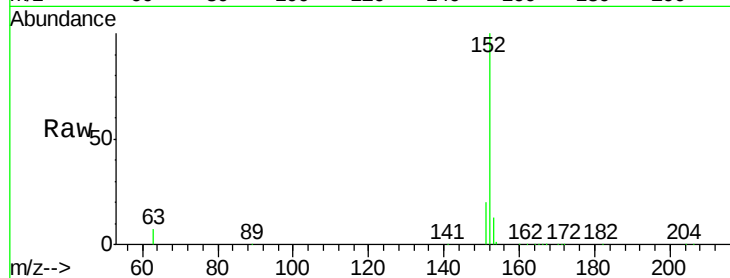
#16
Acenaphthylene
Concen: 6.153 ng
RT: 14.24 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BE093624.D
Acq: 2 Aug 2017 13:18

Instrument :
BNA_E
ClientSampleId :
0550

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	4.0	6.0#
153	13.1	10.3	15.5

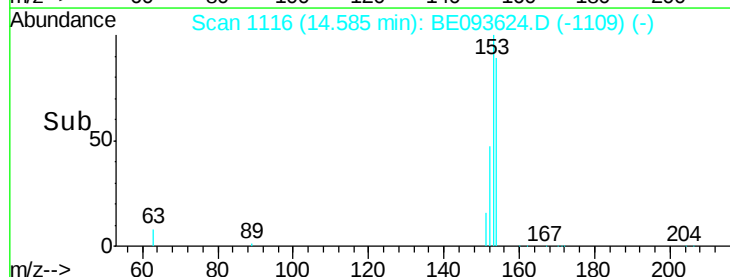
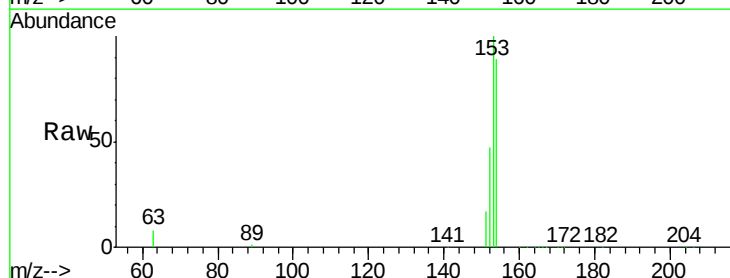
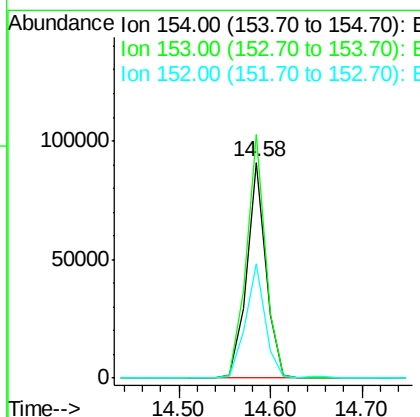
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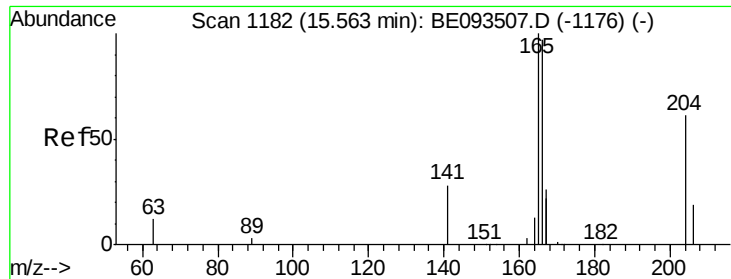
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#17
Acenaphthene
Concen: 5.007 ng
RT: 14.58 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE093624.D
Acq: 2 Aug 2017 13:18

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.7	91.2	136.8
152	53.9	44.8	67.2





#18

Fluorene

Concen: 3.017 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.00 min

Lab File: BE093624.D

Acq: 2 Aug 2017 13:18

Instrument :

BNA_E

ClientSampleId :

0550

Tgt Ion:166 Resp: 106325
Ion Ratio Lower Upper

166 100

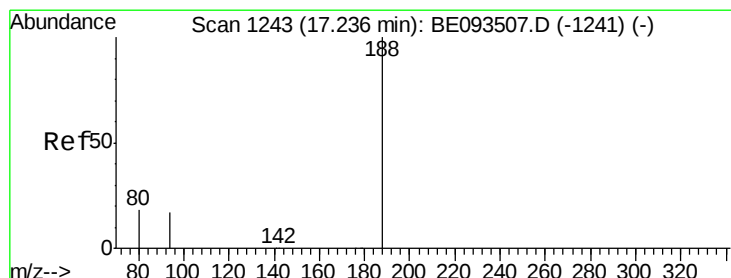
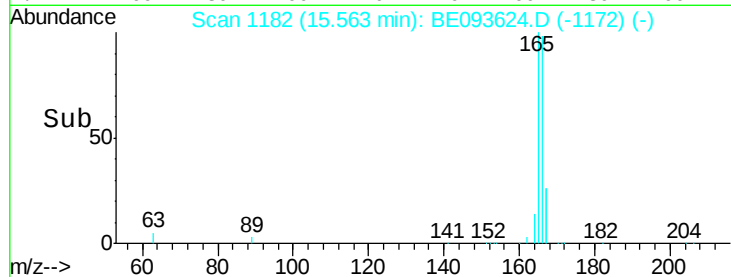
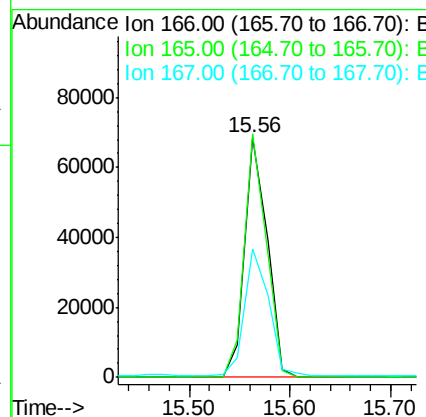
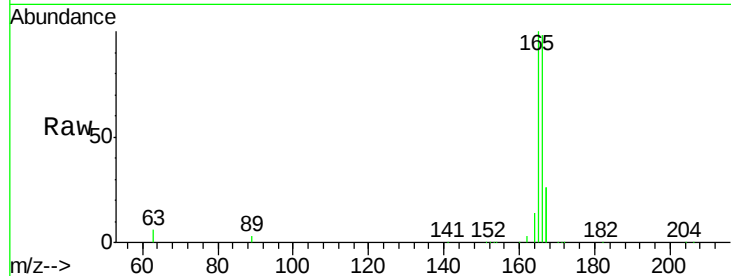
165 98.4 78.6 117.8

167 56.9 11.1 16.7#

Manual Integrations
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#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE093624.D

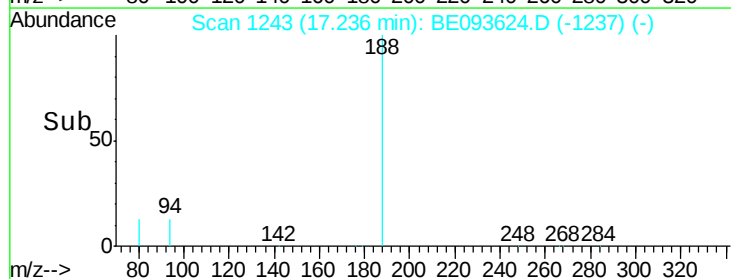
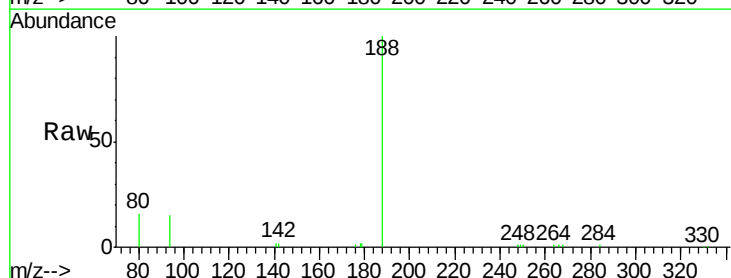
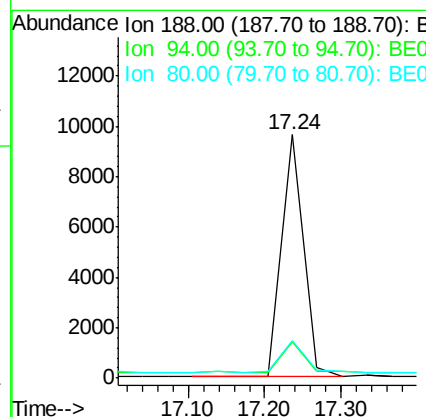
Acq: 2 Aug 2017 13:18

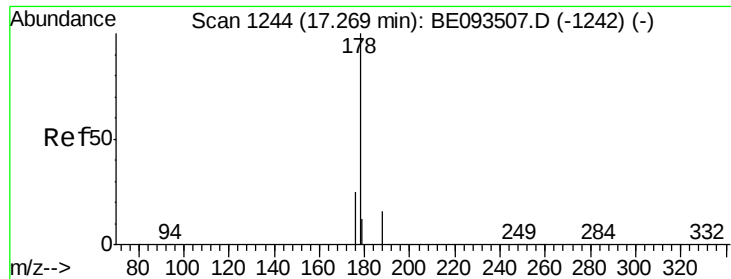
Tgt Ion:188 Resp: 19572
Ion Ratio Lower Upper

188 100

94 15.1 11.3 16.9

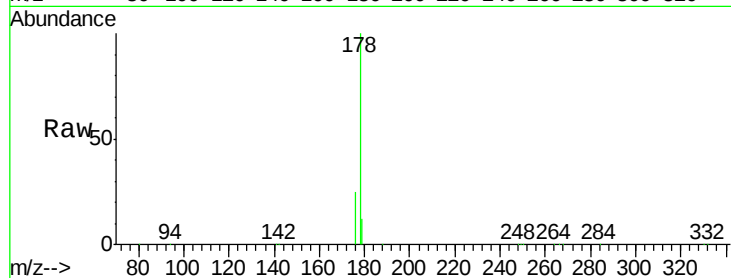
80 15.5 11.7 17.5





#23
Phenanthrene
Concen: 5.757 ng
RT: 17.27 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE093624.D
Acq: 2 Aug 2017 13:18

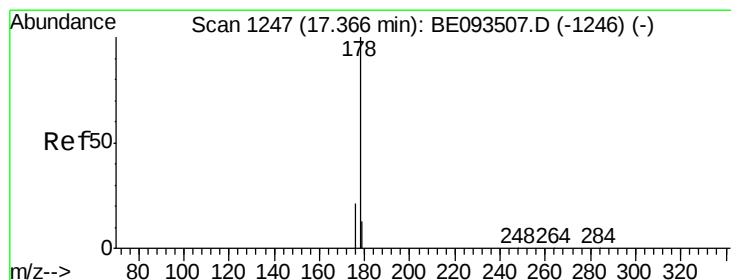
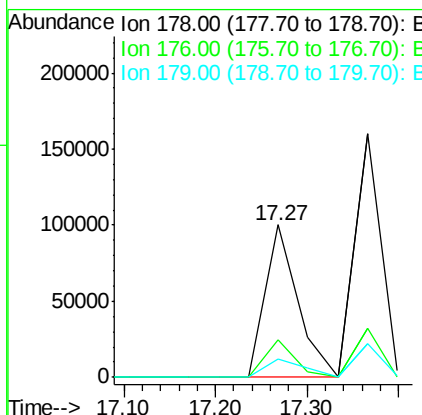
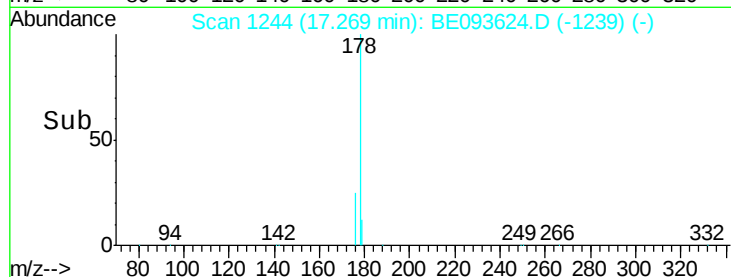
Instrument :
BNA_E
ClientSampleId :
0550



Tgt Ion:178 Resp: 247741
Ion Ratio Lower Upper
178 100
176 22.3 15.0 22.4
179 0.0 12.7 19.1#

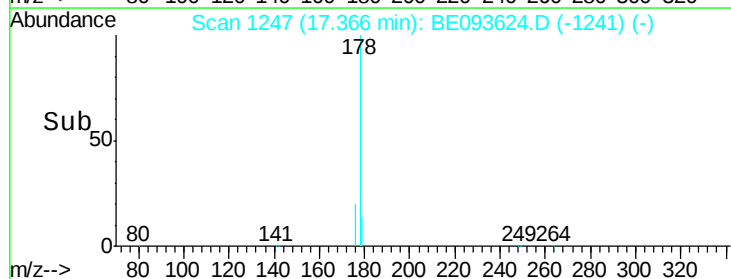
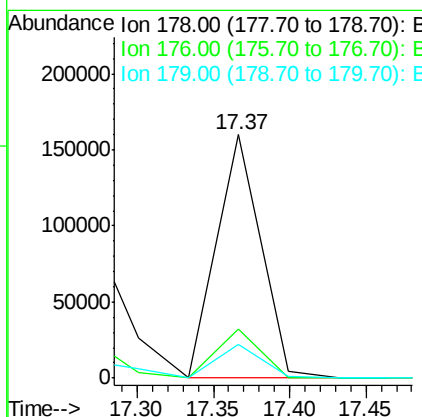
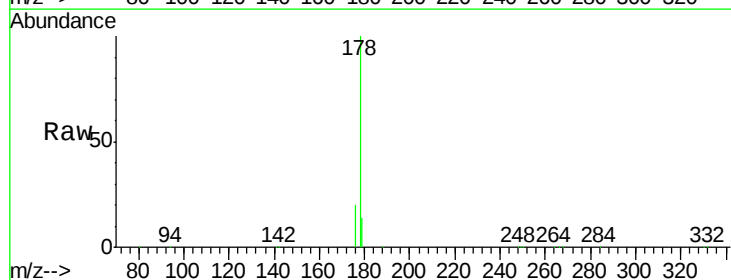
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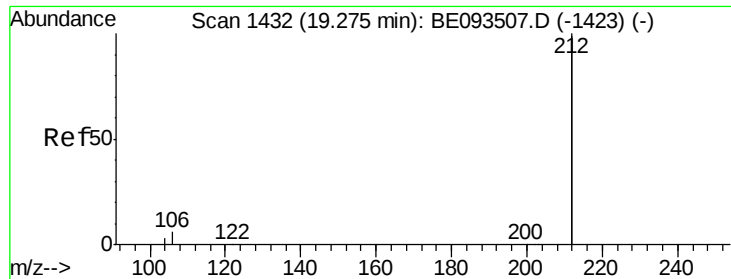
Sohil
8/3/2017 6:06:45 PM



#24
Anthracene
Concen: 5.426 ng
RT: 17.37 min Scan# 1247
Delta R.T. -0.00 min
Lab File: BE093624.D
Acq: 2 Aug 2017 13:18

Tgt Ion:178 Resp: 319353
Ion Ratio Lower Upper
178 100
176 20.1 14.6 22.0
179 25.1 12.0 18.0#





#25

Fluoranthene-d10

Concen: 0.278 ng

RT: 19.27 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BE093624.D

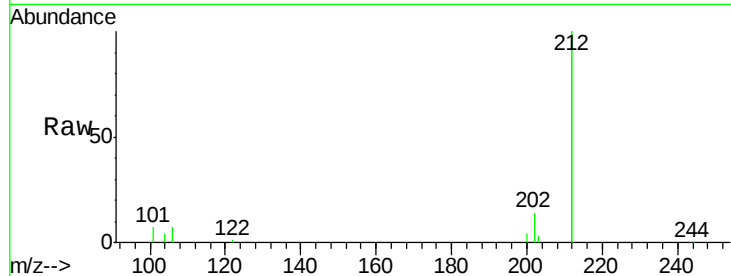
Acq: 2 Aug 2017 13:18

Instrument :

BNA_E

ClientSampleId :

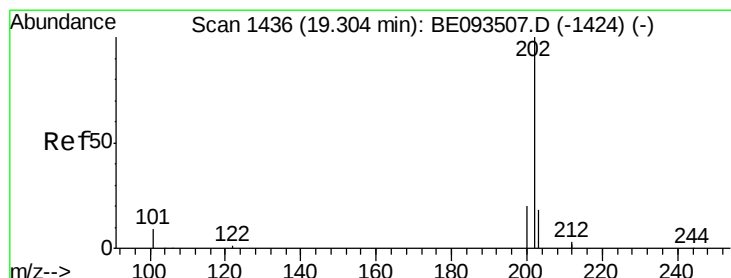
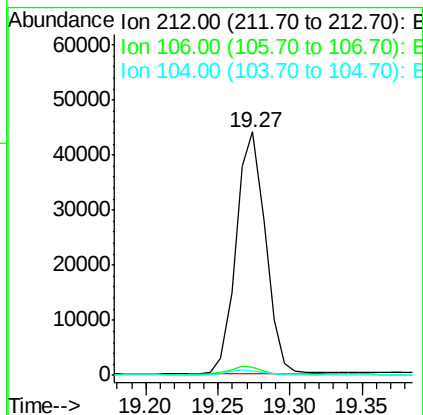
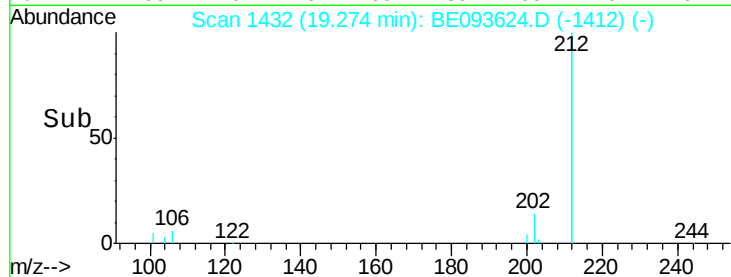
0550



Tgt Ion	Ratio	Resp	Lower	Upper
212	100	61724		
106	3.6	2.4	3.6#	
104	2.1	1.6	2.4	

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#26

Fluoranthene

Concen: 9.078 ng

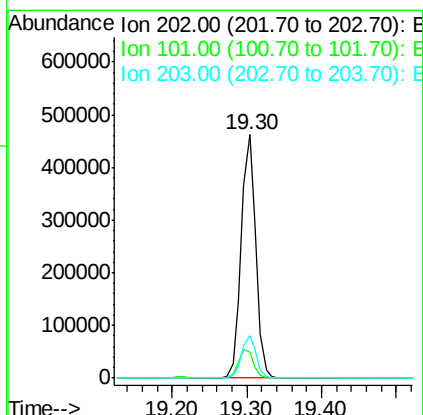
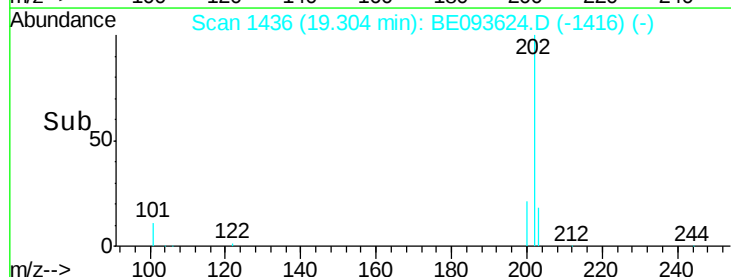
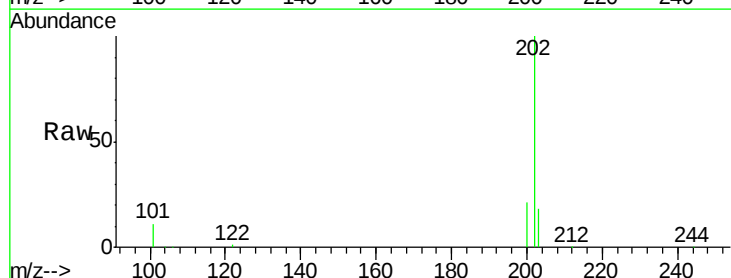
RT: 19.30 min Scan# 1436

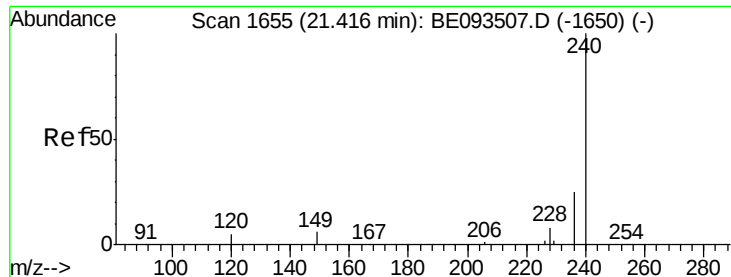
Delta R.T. -0.00 min

Lab File: BE093624.D

Acq: 2 Aug 2017 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	622227		
101	12.2	9.6	14.4	
203	17.5	14.4	21.6	





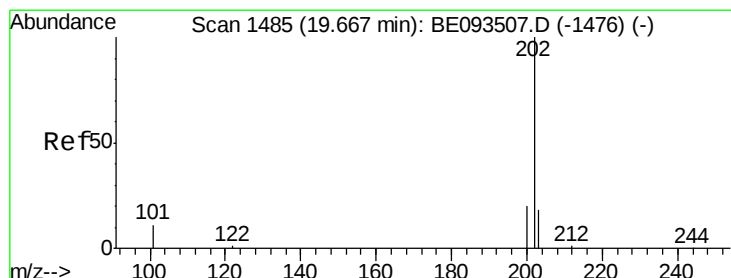
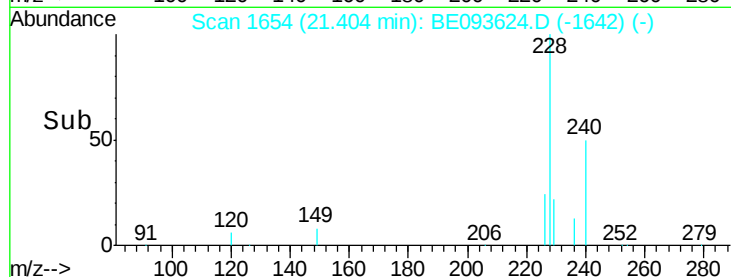
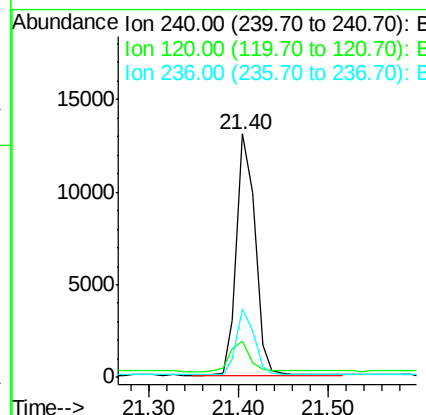
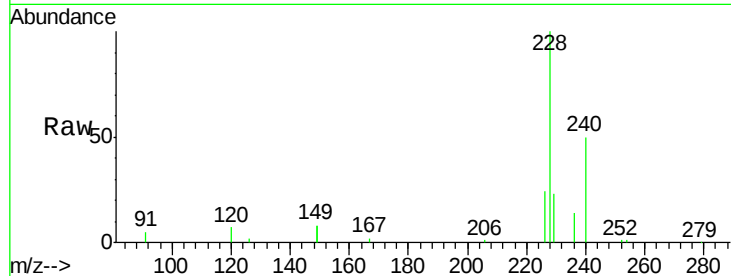
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BE093624.D
 Acq: 2 Aug 2017 13:18

Instrument :
 BNA_E
 ClientSampleId :
 0550

Tgt Ion: 240 Resp: 18837
 Ion Ratio Lower Upper
 240 100
 120 14.9 4.6 7.0#
 236 27.8 20.8 31.2

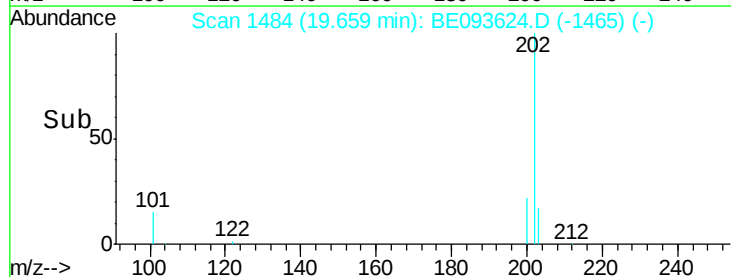
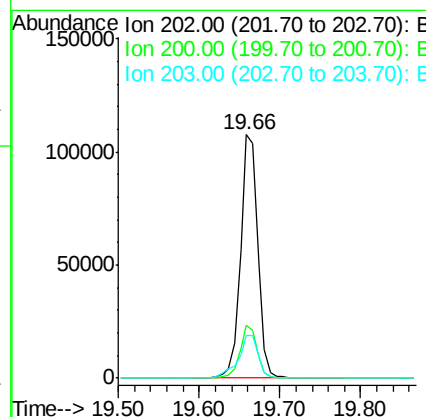
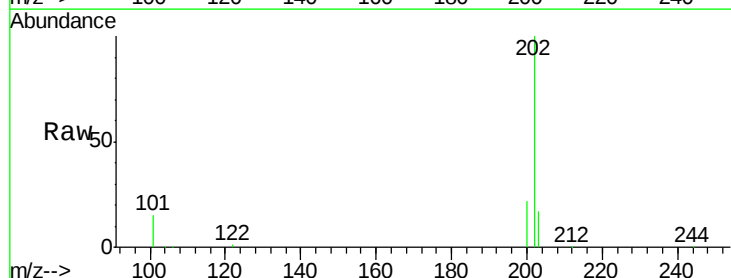
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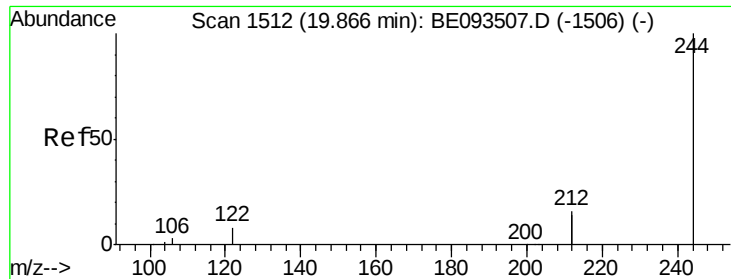
Sohil
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#28
 Pyrene
 Concen: 2.589 ng
 RT: 19.66 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: BE093624.D
 Acq: 2 Aug 2017 13:18

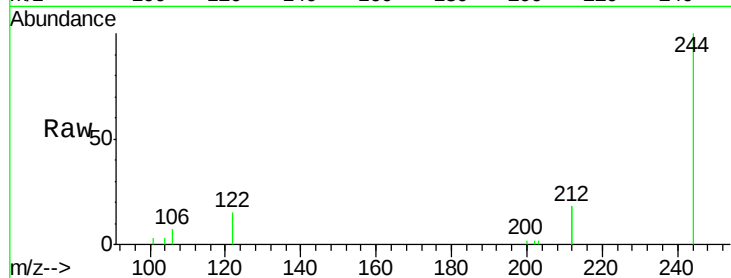
Tgt Ion: 202 Resp: 157559
 Ion Ratio Lower Upper
 202 100
 200 21.2 0.0 0.0#
 203 20.0 13.7 20.5





#29
 Terphenyl-d14
 Concen: 0.356 ng
 RT: 19.86 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BE093624.D
 Acq: 2 Aug 2017 13:18

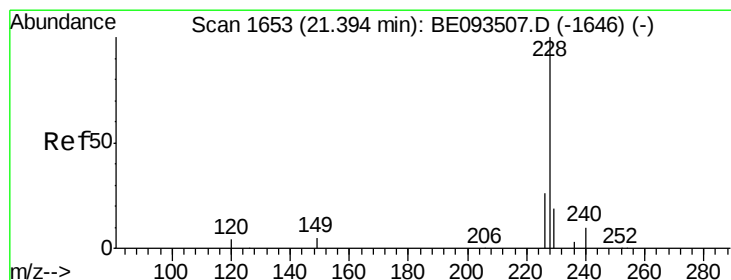
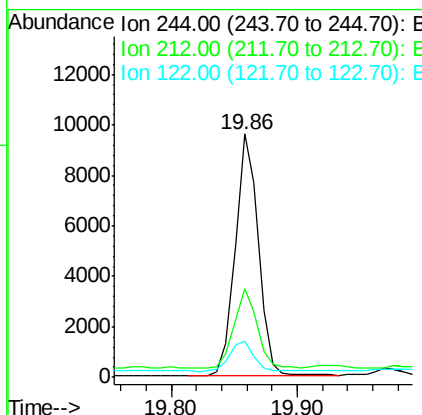
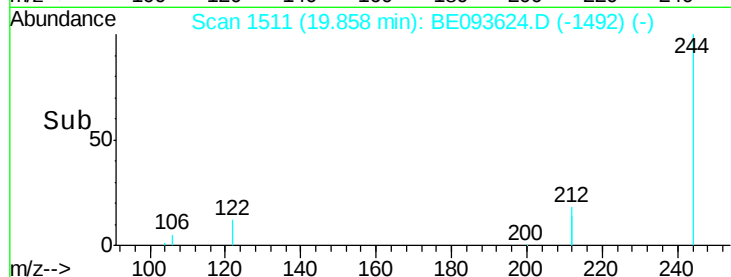
Instrument :
 BNA_E
 ClientSampleId :
 0550



Tgt Ion: 244 Resp: 12047
 Ion Ratio Lower Upper
 244 100
 212 36.6 10.6 16.0#
 122 14.9 15.4 23.0#

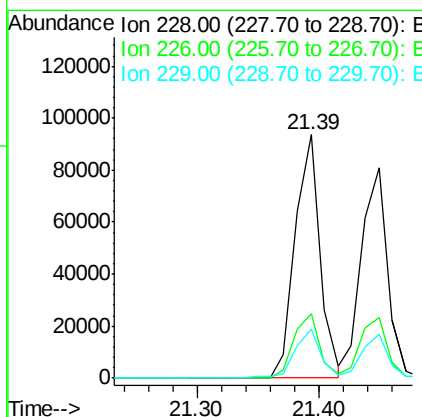
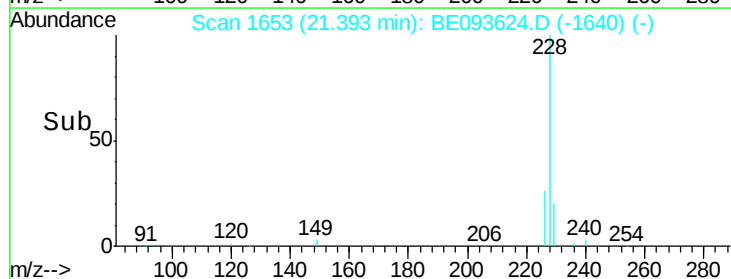
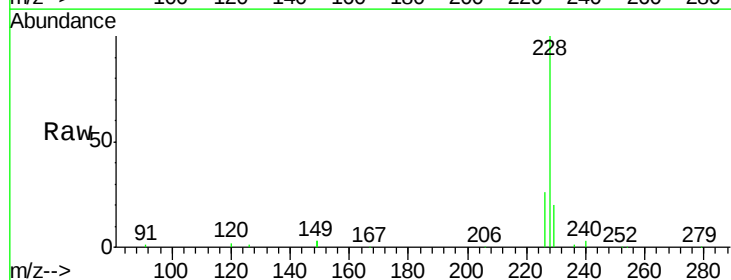
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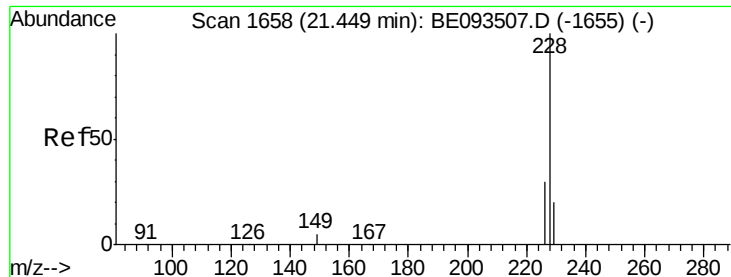
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#30
 Benzo(a)anthracene
 Concen: 2.376 ng
 RT: 21.39 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: BE093624.D
 Acq: 2 Aug 2017 13:18

Tgt Ion: 228 Resp: 131592
 Ion Ratio Lower Upper
 228 100
 226 26.3 19.7 29.5
 229 20.3 19.2 28.8





#31

Chrysene

Concen: 1.944 ng

RT: 21.45 min Scan# 1658

Delta R.T. -0.00 min

Lab File: BE093624.D

Acq: 2 Aug 2017 13:18

Instrument :

BNA_E

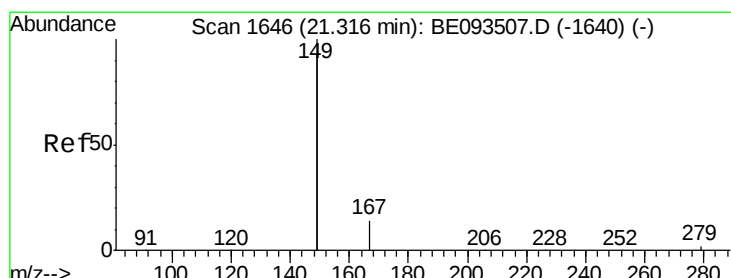
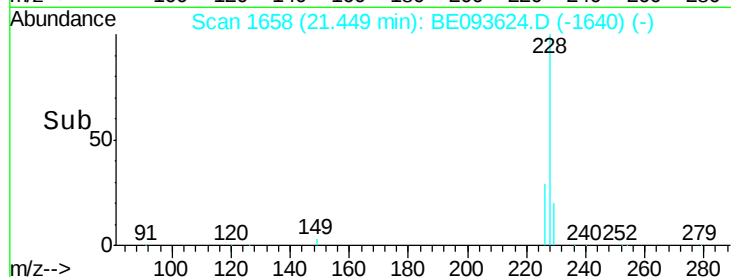
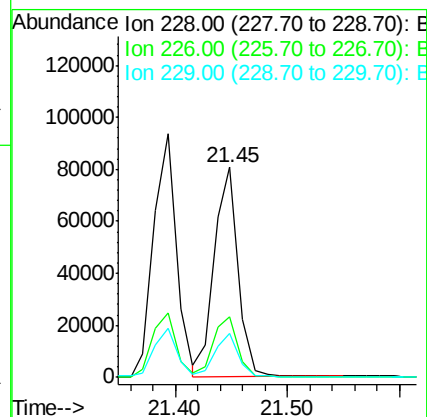
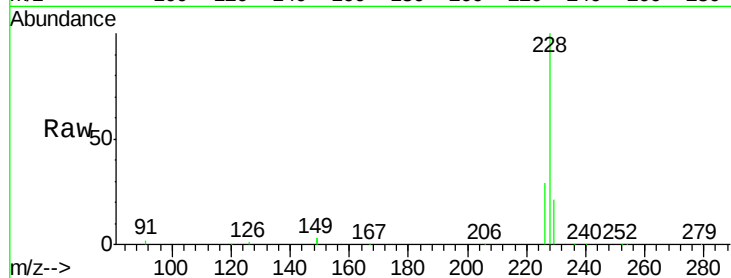
ClientSampleId :

0550

Tgt Ion:	228	Resp:	120028
Ion Ratio	Lower	Upper	
228	100		
226	29.1	21.5	32.3
229	20.6	18.6	28.0

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.845 ng

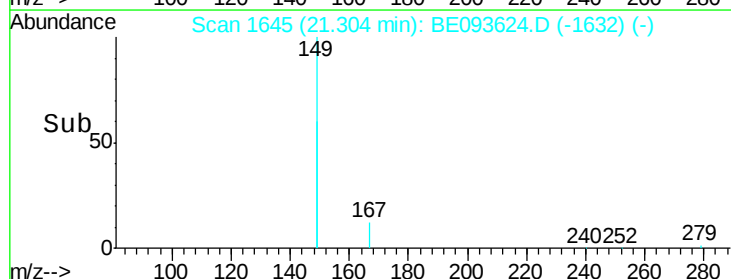
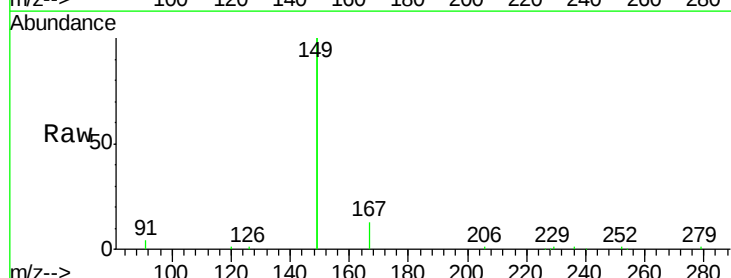
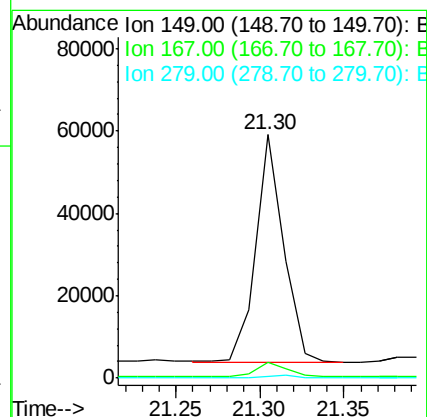
RT: 21.30 min Scan# 1645

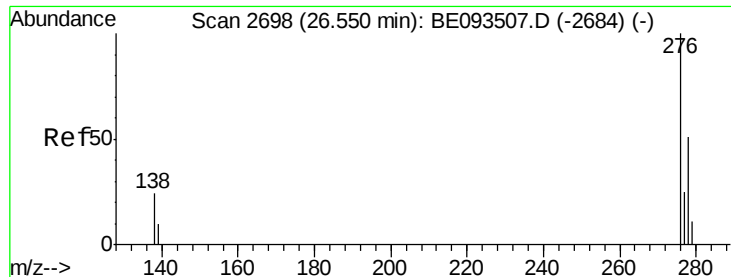
Delta R.T. -0.01 min

Lab File: BE093624.D

Acq: 2 Aug 2017 13:18

Tgt Ion:	149	Resp:	63780
Ion Ratio	Lower	Upper	
149	100		
167	7.0	4.8	7.2
279	0.9	0.8	1.2





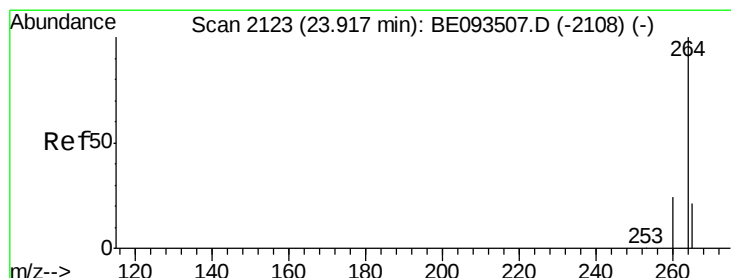
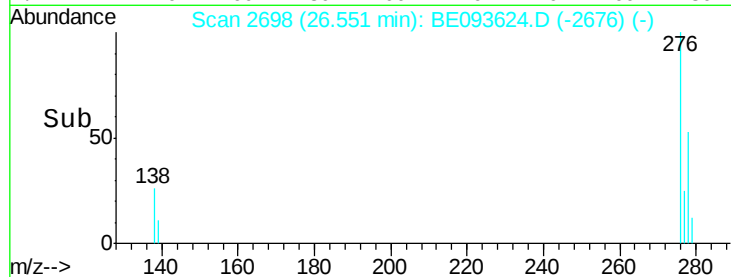
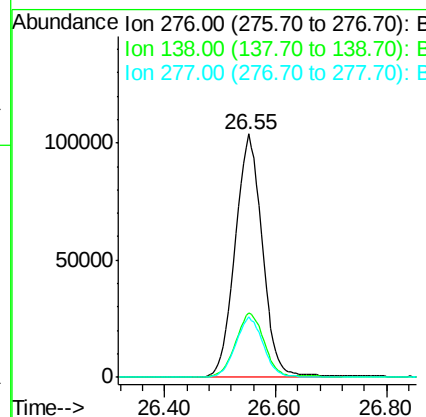
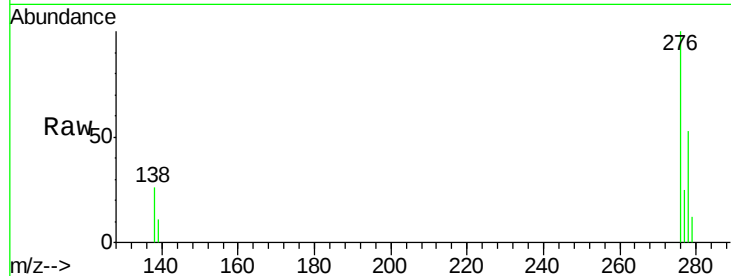
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 6.299 ng
 RT: 26.55 min Scan# 2698
 Delta R.T. 0.00 min
 Lab File: BE093624.D
 Acq: 2 Aug 2017 13:18

Instrument :
 BNA_E
 ClientSampleId :
 0550

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	27.3	27.4	41.2#
277	24.8	20.1	30.1

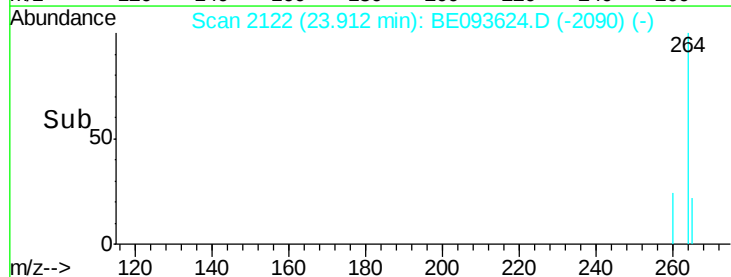
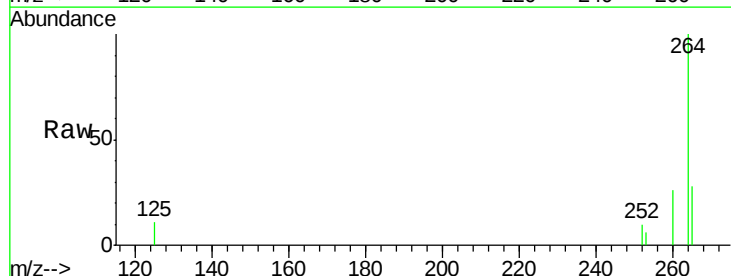
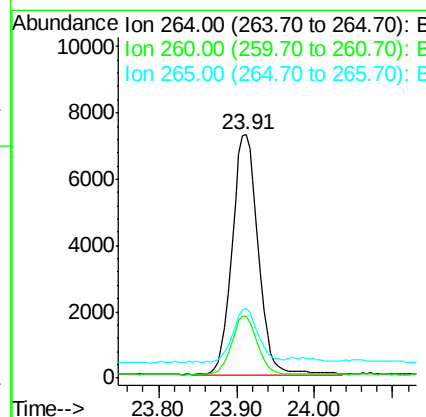
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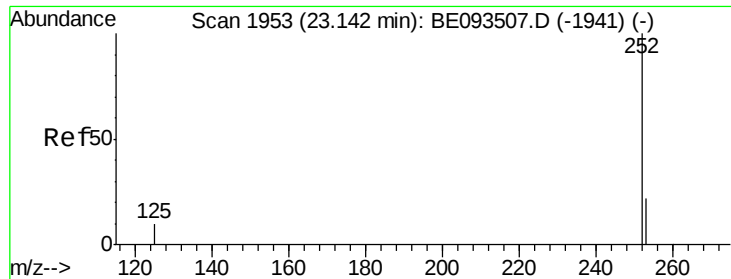
Sohil
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.91 min Scan# 2122
 Delta R.T. -0.00 min
 Lab File: BE093624.D
 Acq: 2 Aug 2017 13:18

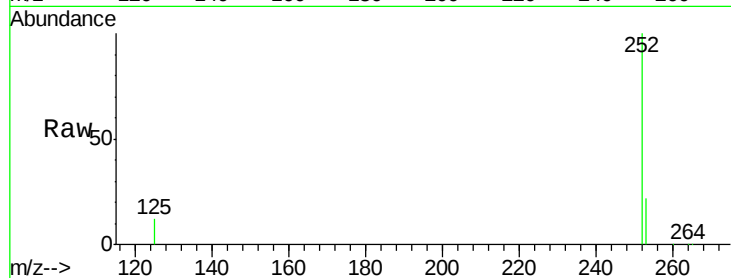
Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.7	21.0	31.4
265	28.4	24.6	36.8





#35
Benzo(b)fluoranthene
Concen: 6.966 ng m
RT: 23.14 min Scan# 1953
Delta R.T. -0.00 min
Lab File: BE093624.D
Acq: 2 Aug 2017 13:18

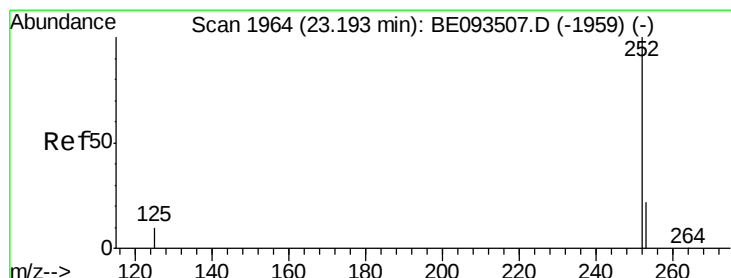
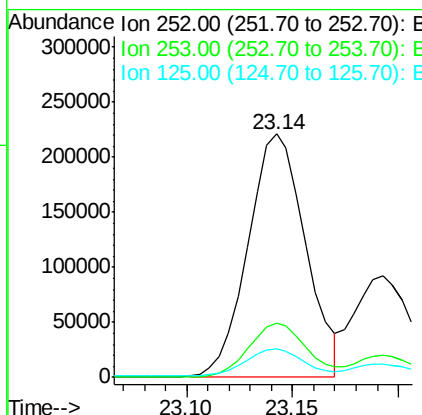
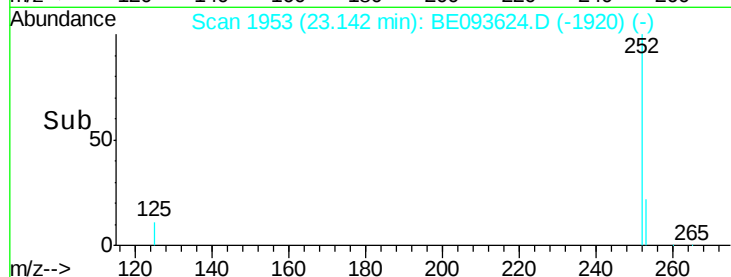
Instrument :
BNA_E
ClientSampleId :
0550



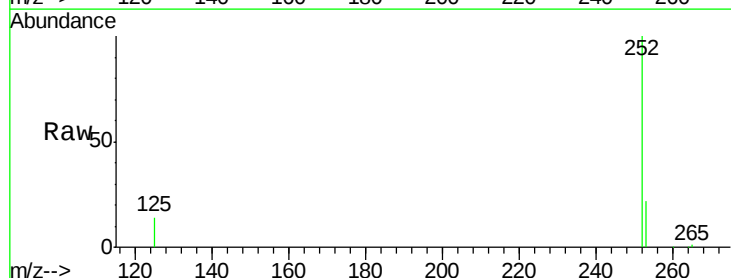
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.5	27.7
125	11.6	13.4	20.0

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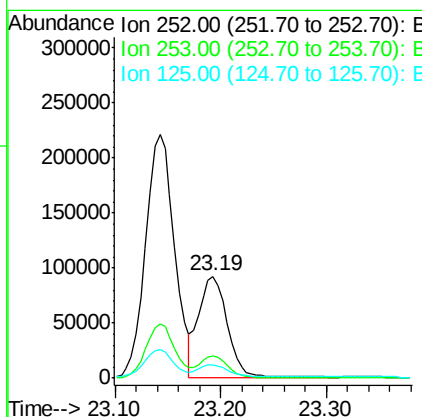
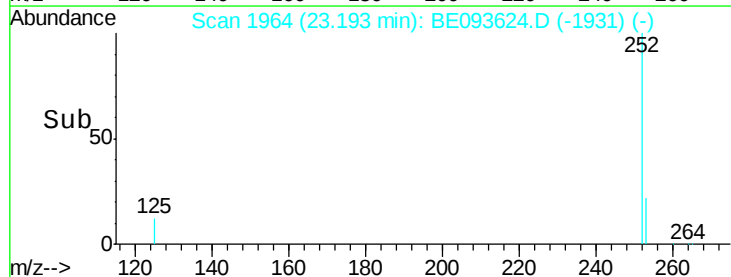
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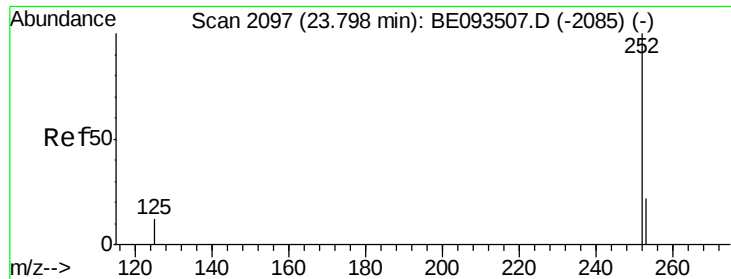


#36
Benzo(k)fluoranthene
Concen: 2.825 ng
RT: 23.19 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BE093624.D
Acq: 2 Aug 2017 13:18



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	20.3	30.5
125	13.5	12.2	18.4





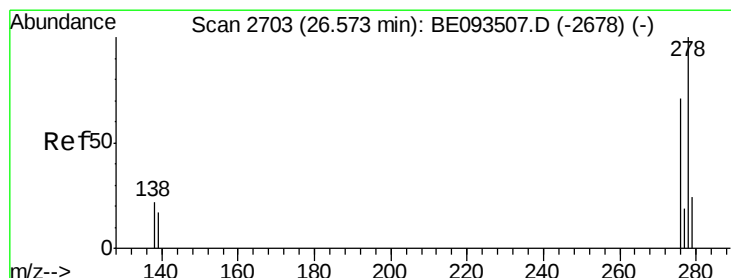
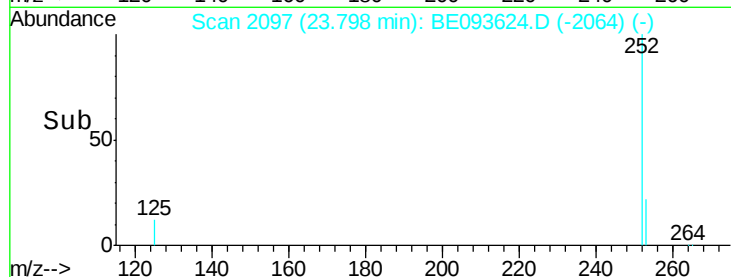
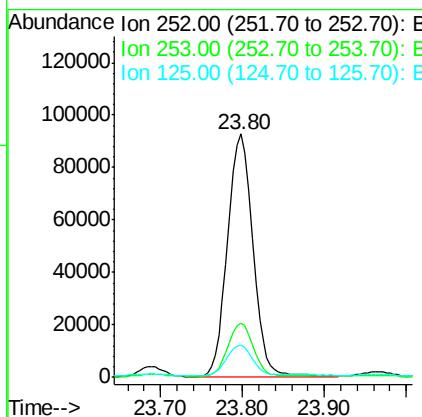
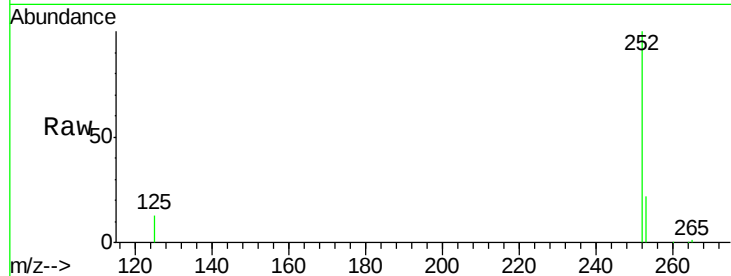
#37
Benzo(a)pyrene
Concen: 3.646 ng
RT: 23.80 min Scan# 2097
Delta R.T. -0.00 min
Lab File: BE093624.D
Acq: 2 Aug 2017 13:18

Instrument :
BNA_E
ClientSampleId :
0550

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	197874		
253	22.4	19.9	29.9	
125	13.1	14.6	21.8	

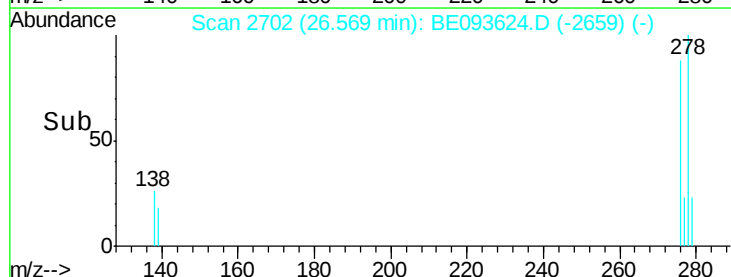
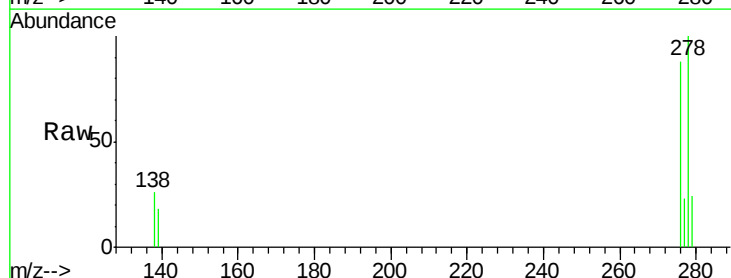
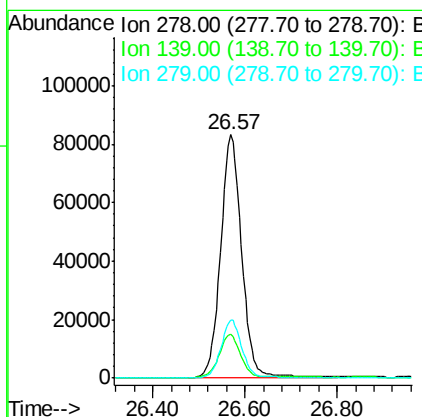
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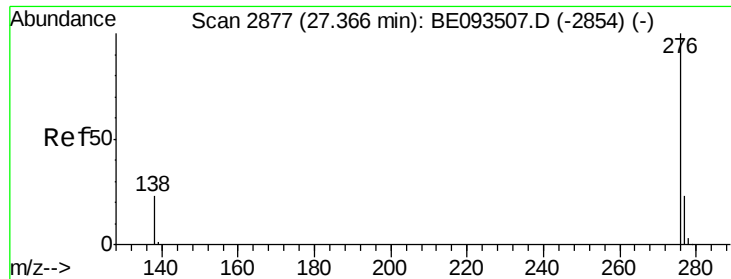
Sohil
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#38
Dibenzo(a,h)anthracene
Concen: 5.031 ng
RT: 26.57 min Scan# 2702
Delta R.T. -0.00 min
Lab File: BE093624.D
Acq: 2 Aug 2017 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	263486		
139	18.3	21.4	32.0	
279	23.6	22.2	33.2	





#39

Benzo(g,h,i)perylene

Concen: 2.236 ng

RT: 27.37 min Scan# 2877

Delta R.T. 0.00 min

Lab File: BE093624.D

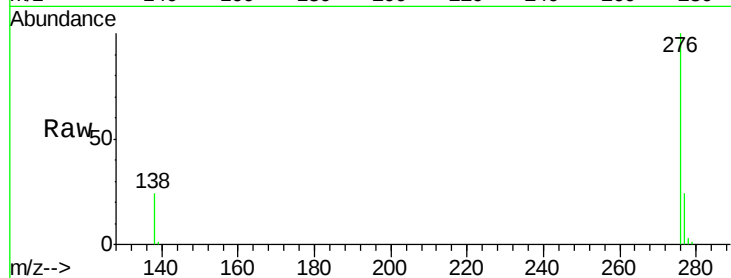
Acq: 2 Aug 2017 13:18

Instrument :

BNA_E

ClientSampleId :

0550



Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		118793		
277	24.1	21.2	31.8		
138	23.7	24.5	36.7#		

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