

Data Path : Z:\HPCHEM1\BNA E\Data\BE072117\
 Data File : BE093518.D
 Acq On : 21 Jul 2017 21:10
 Operator : SJ/JU
 Sample : I4199-15DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleID :
 3578-CC7DL

Manual Integrations
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Quant Time: Jul 22 03:11:40 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE072117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 21 16:13:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.931	152	2816	0.40	ng	0.00
7) Naphthalene-d8	10.705	136	13763	0.40	ng	0.00
13) Acenaphthene-d10	14.525	164	8726	0.40	ng	0.00
19) Phenanthrene-d10	17.235	188	22897	0.40	ng	0.00
27) Chrysene-d12	21.415	240	31739	0.40	ng	0.00
34) Perylene-d12	23.916	264	28451	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.514	112	267	0.03	ng	0.00
5) Phenol-d6	7.100	99	300	0.02	ng	0.00
8) Nitrobenzene-d5	9.077	82	602	0.06	ng	0.02
11) 2-Methylnaphthalene-d10	12.295	152	908	0.04	ng	0.00
14) 2,4,6-Tribromophenol	15.997	330	158	0.05	ng	0.00
15) 2-Fluorobiphenyl	13.162	172	3336	0.10	ng	0.00
25) Fluoranthene-d10	19.274	212	13664	0.04	ng	0.00
29) Terphenyl-d14	19.858	244	3630	0.06	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.756	128	270775	1.69	ng	99
12) 2-Methylnaphthalene	12.368	142	62204	2.31	ng	96
16) Acenaphthylene	14.243	152	56229	1.28	ng	# 87
17) Acenaphthene	14.584	154	29447	0.99	ng	98
18) Fluorene	15.577	166	125396	2.98	ng	# 88
23) Phenanthrene	17.268	178	299547	5.77	ng	# 81
24) Anthracene	17.366	178	69054m	0.87	ng	
26) Fluoranthene	19.303	202	299349	2.70	ng	98
28) Pyrene	19.666	202	108143	1.05	ng	# 95
30) Benzo(a)anthracene	21.393	228	19135	0.19	ng	94
31) Chrysene	21.449	228	52473	0.52	ng	95
33) Indeno(1,2,3-cd)pyrene	26.551	276	23404	0.24	ng	# 90
35) Benzo(b)fluoranthene	23.142	252	27515	0.28	ng	96
36) Benzo(k)fluoranthene	23.196	252	19080	0.19	ng	98
37) Benzo(a)pyrene	23.802	252	10034	0.11	ng	# 87
38) Dibenzo(a,h)anthracene	26.573	278	11769	0.13	ng	95
39) Benzo(a,h,i)perylene	27.362	276	8367	0.09	ng	97

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

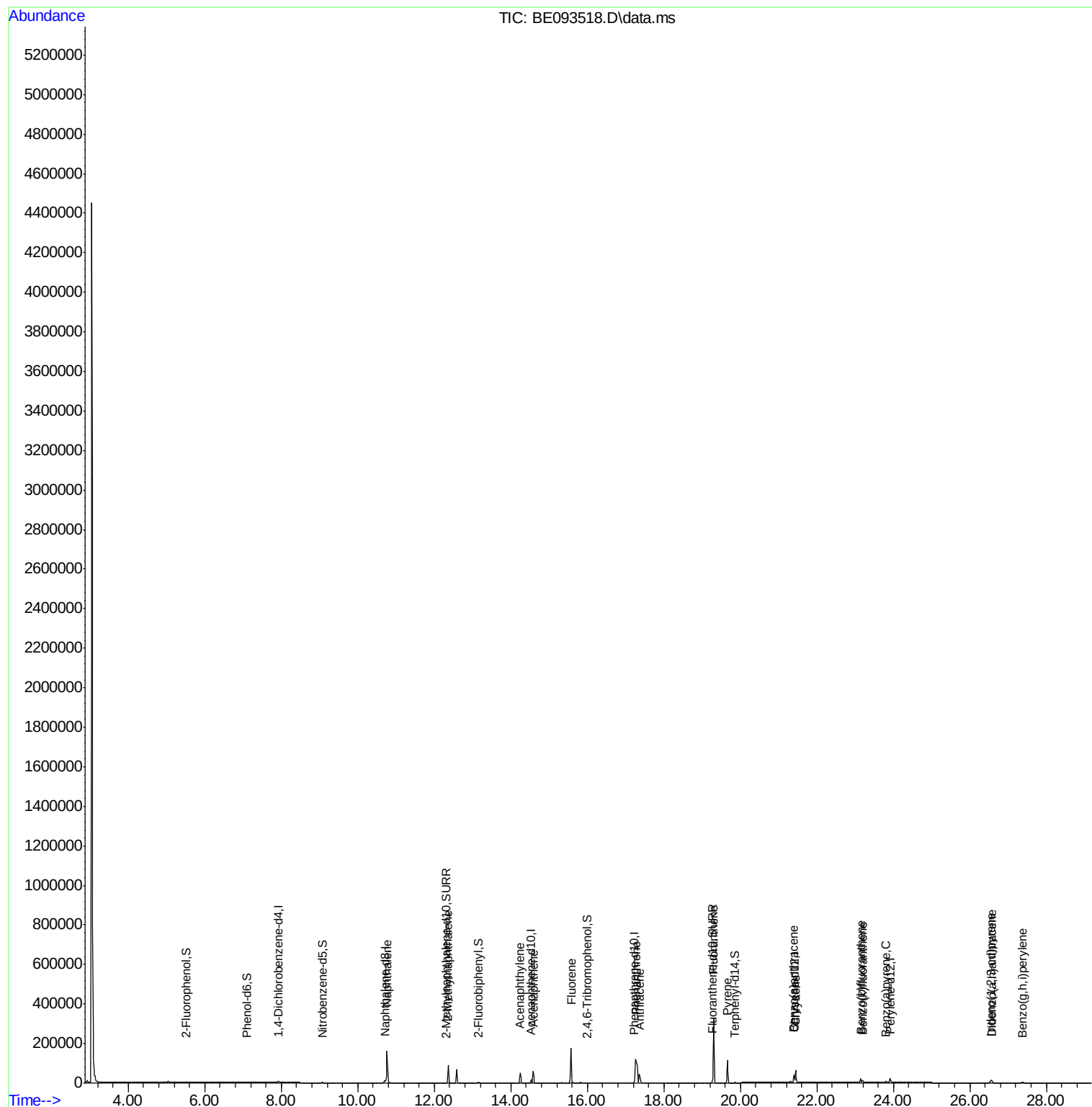
Data Path : Z:\HPCHEM1\BNA E\Data\BE072117\
Data File : BE093518.D
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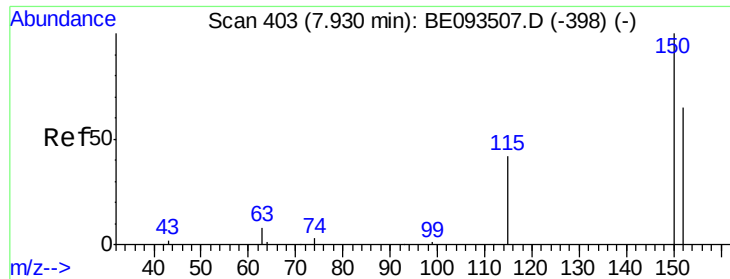
Instrument :
BNA_E
ClientSampleId :
3578-CC7DL

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Quant Time: Jul 22 03:11:40 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE072117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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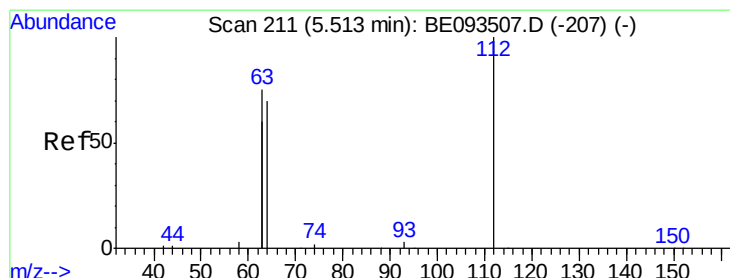
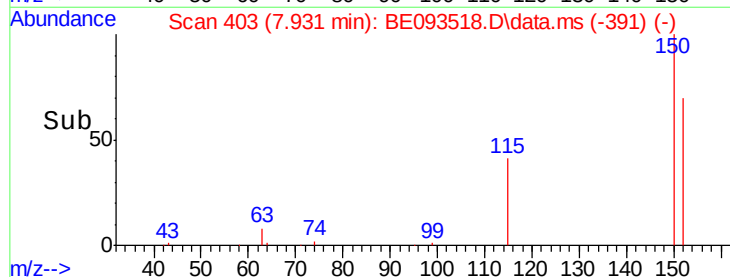
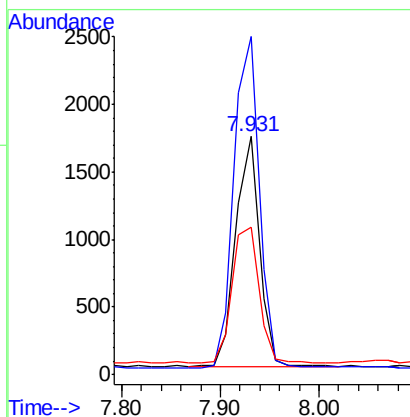
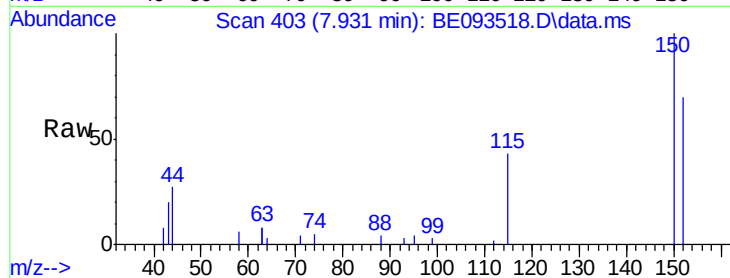
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.931 min Scan# 40
 Delta R.T. 0.001 min
 Lab File: BE093518.D
 Acq: 21 Jul 2017 21:10

Instrument :
 BNA_E
 ClientSampleId :
 3578-CC7DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.0	125.1	187.7
115	61.7	55.7	83.5

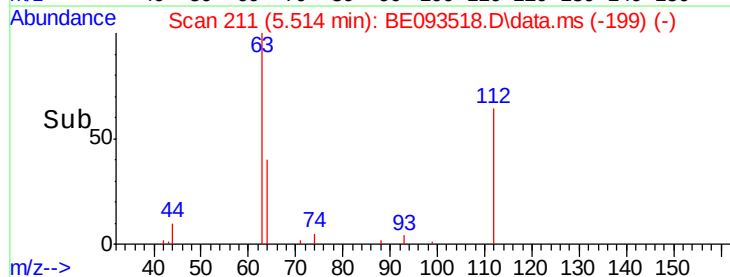
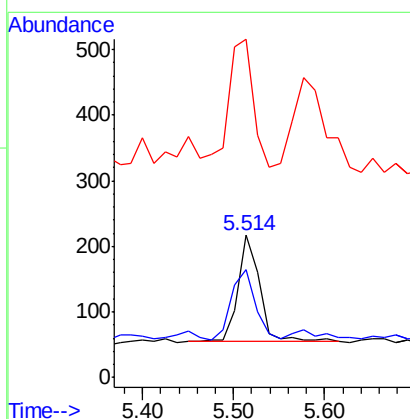
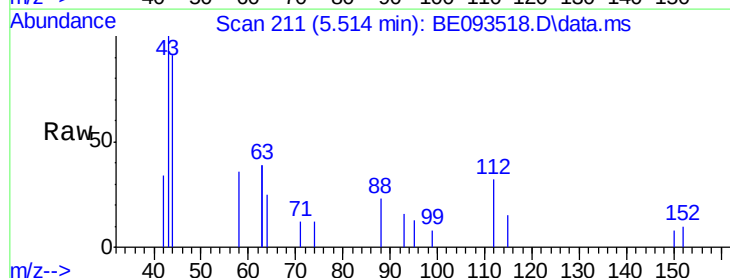
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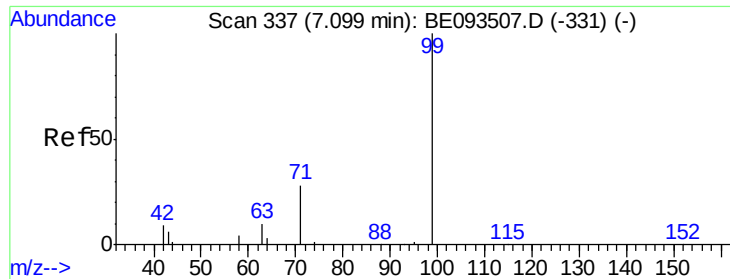
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#4
 2-Fluorophenol
 Concen: 0.03 ng
 RT: 5.514 min Scan# 211
 Delta R.T. 0.001 min
 Lab File: BE093518.D
 Acq: 21 Jul 2017 21:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.4	56.4	84.6
63	136.0	29.3	43.9#





#5

Phenol-d6

Concen: 0.02 ng

RT: 7.100 min Scan# 33

Delta R.T. 0.001 min

Lab File: BE093518.D

Acq: 21 Jul 2017 21:10

Instrument :

BNA_E

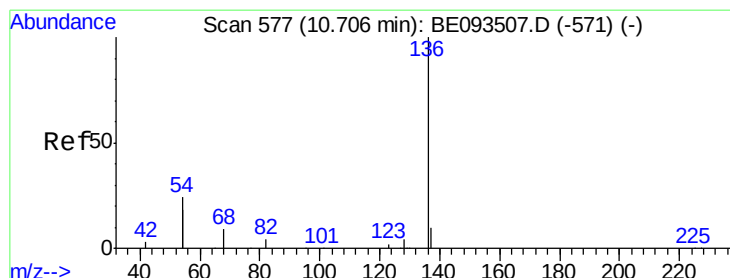
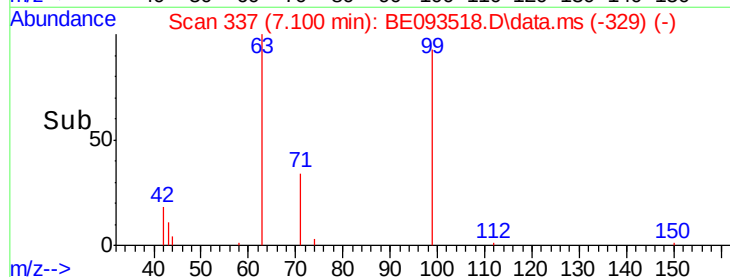
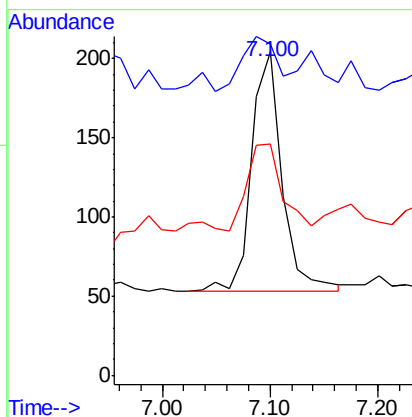
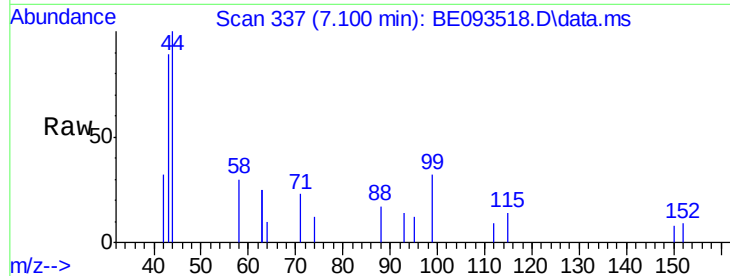
ClientSampled :

3578-CC7DL

Tot Ion:	99	Resp:	300
Ion Ratio	Lower	Upper	
99	100		
42	29.3	0.0	0.0#
71	38.3	0.0	0.0#

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#7

Naphthalene-d8

Concen: 0.40 ng

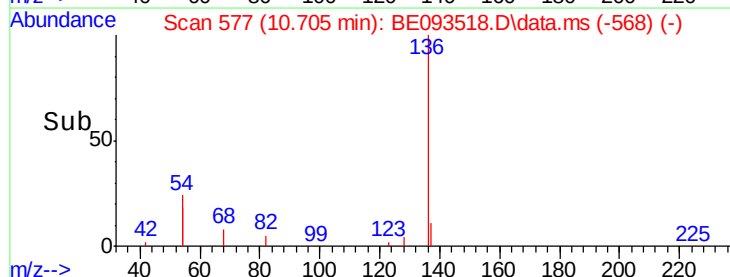
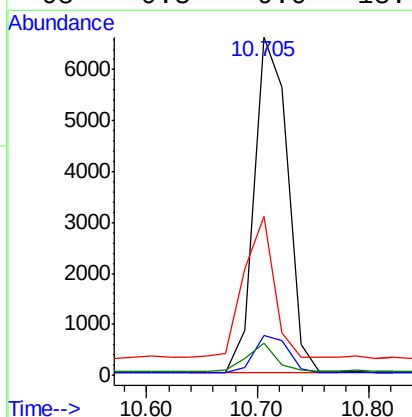
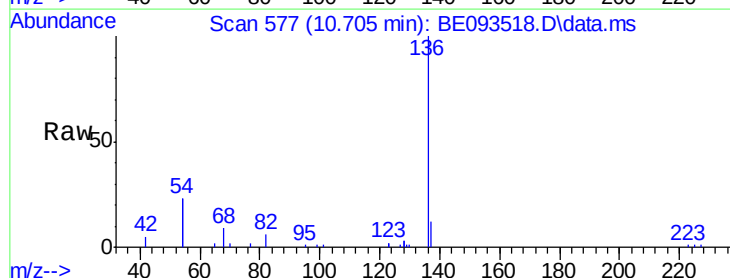
RT: 10.705 min Scan# 577

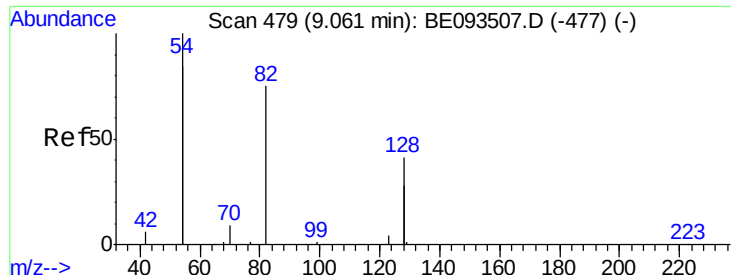
Delta R.T. -0.001 min

Lab File: BE093518.D

Acq: 21 Jul 2017 21:10

Tgt Ion:	136	Resp:	13763
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.8	14.8
54	46.9	10.3	15.5#
68	9.3	9.0	13.4





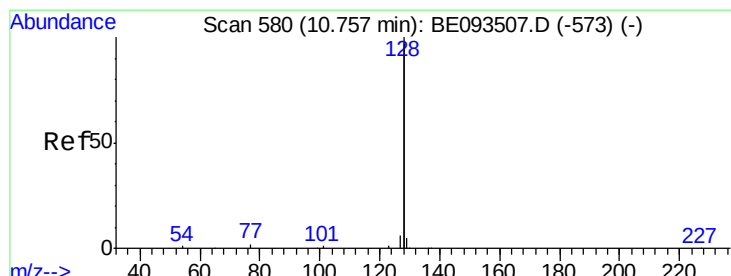
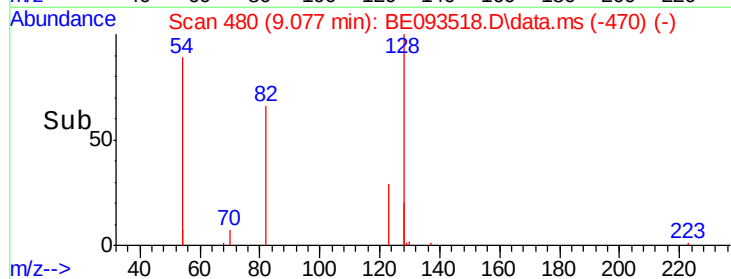
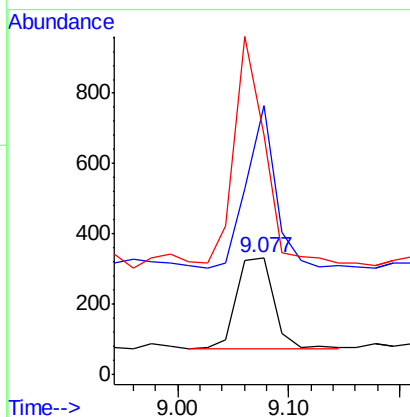
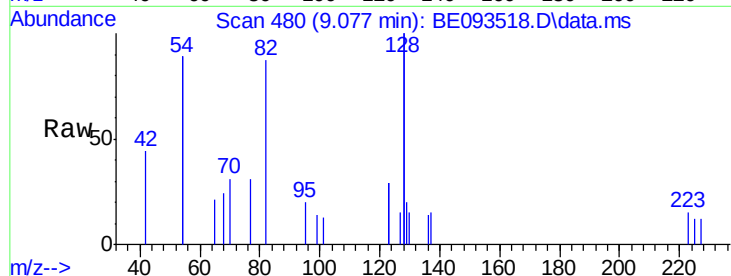
#8
 Nitrobenzene-d5
 Concen: 0.06 ng
 RT: 9.077 min Scan# 48
 Delta R.T. 0.016 min
 Lab File: BE093518.D
 Acq: 21 Jul 2017 21:10

Instrument :
 BNA_E
 ClientSampleId :
 3578-CC7DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	229.4	17.0	25.4#	
54	204.2	53.8	80.6#	

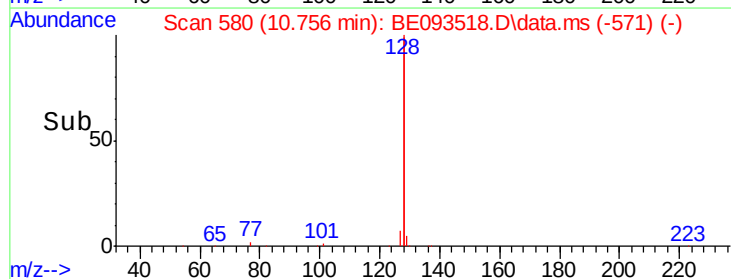
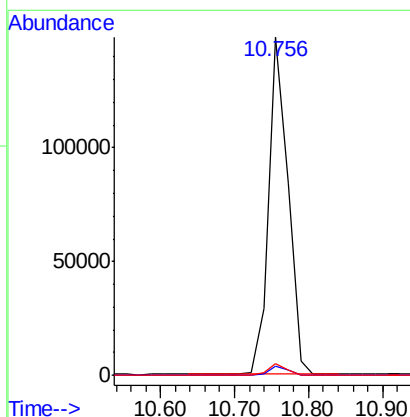
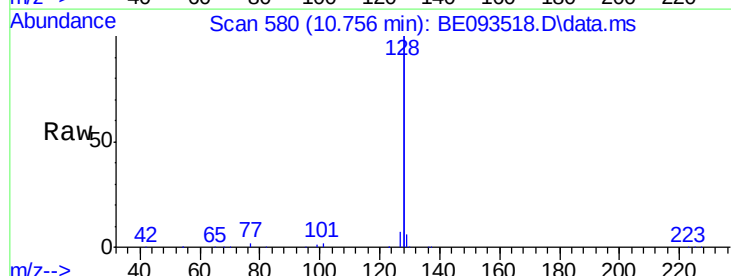
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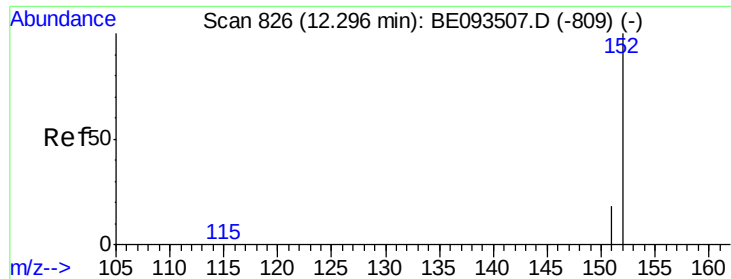
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#9
 Naphthalene
 Concen: 1.69 ng
 RT: 10.756 min Scan# 580
 Delta R.T. -0.001 min
 Lab File: BE093518.D
 Acq: 21 Jul 2017 21:10

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	2.8	2.4	3.6	
127	3.4	2.4	3.6	





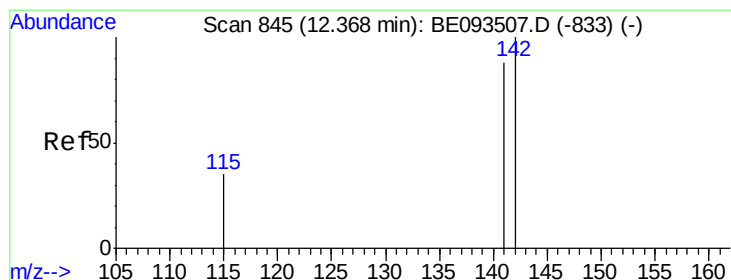
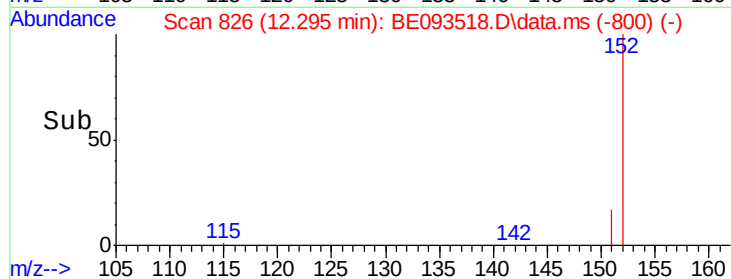
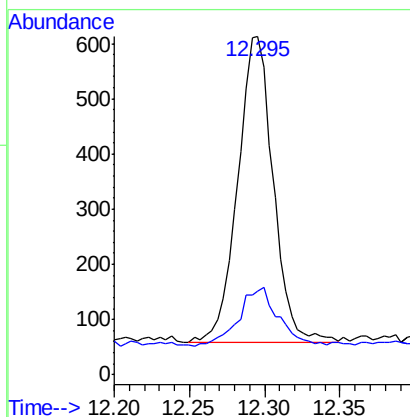
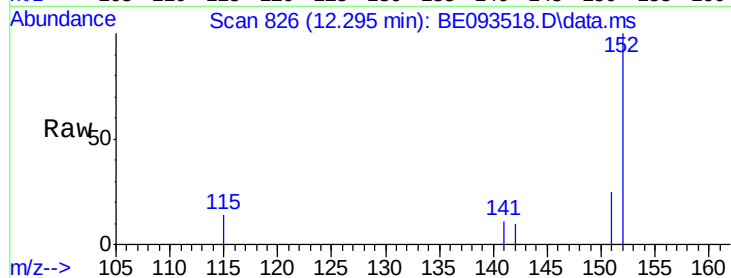
#11
2-Methylnaphthalene-d10
Concen: 0.04 ng
RT: 12.295 min Scan# 82
Delta R.T. -0.001 min
Lab File: BE093518.D
Acq: 21 Jul 2017 21:10

Instrument :
BNA_E
ClientSampleId :
3578-CC7DL

Tot Ion	Ratio	Resp	Lower	Upper
152	100	908		
151	21.5		15.1	22.7

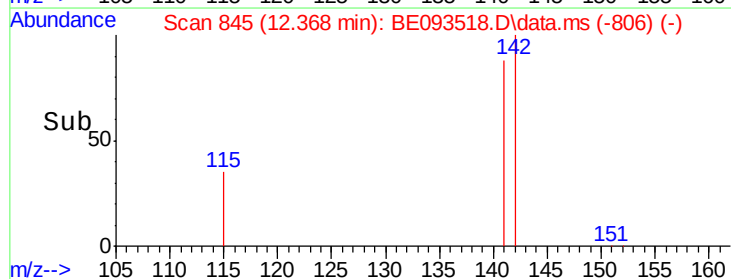
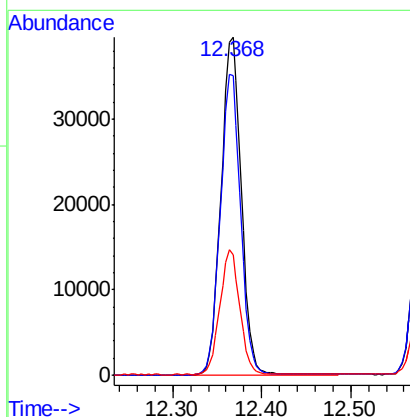
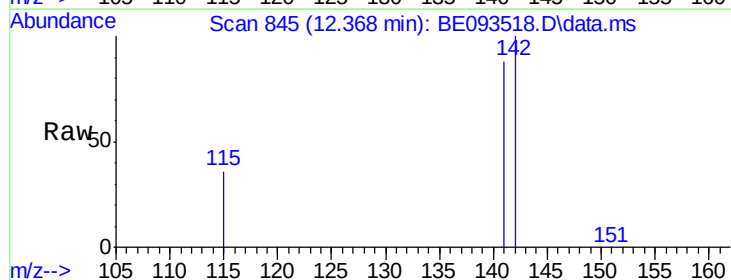
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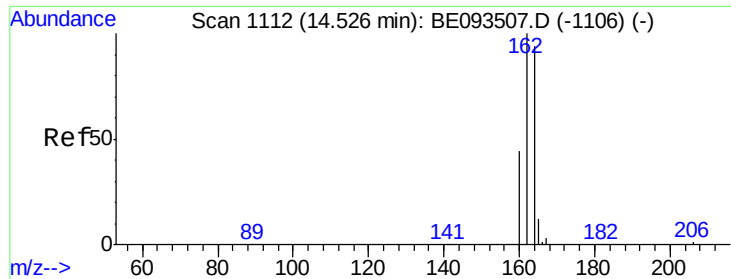
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#12
2-Methylnaphthalene
Concen: 2.31 ng
RT: 12.368 min Scan# 845
Delta R.T. -0.001 min
Lab File: BE093518.D
Acq: 21 Jul 2017 21:10

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	62204		
141	88.5		72.6	108.8
115	35.5		32.2	48.2





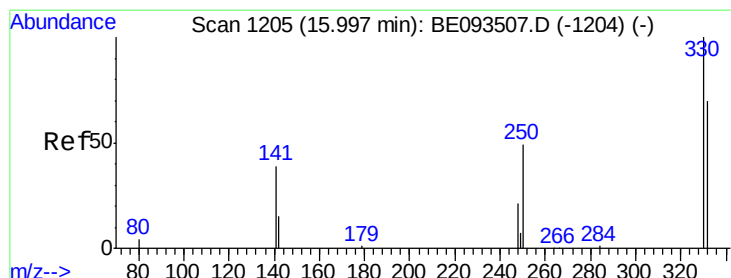
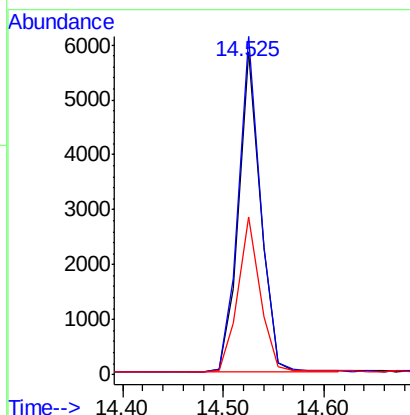
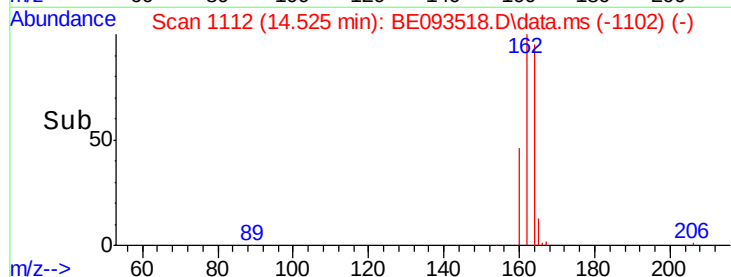
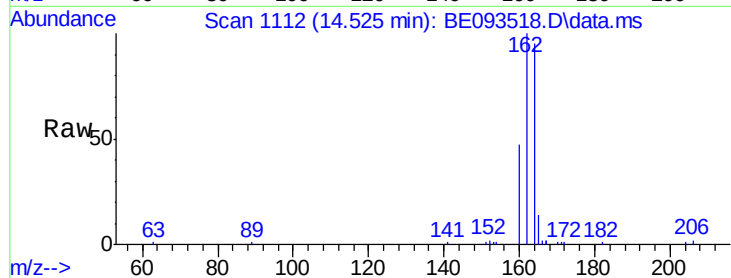
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.525 min Scan# 1112
Delta R.T. -0.001 min
Lab File: BE093518.D
Acq: 21 Jul 2017 21:10

Instrument :
BNA_E
ClientSampleId :
3578-CC7DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.9	84.6	127.0
160	49.0	41.8	62.6

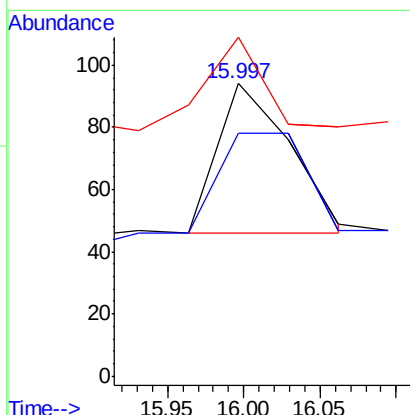
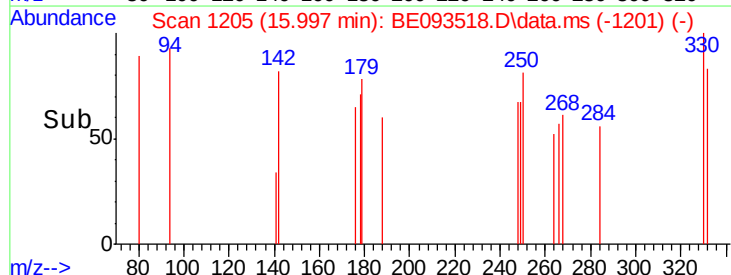
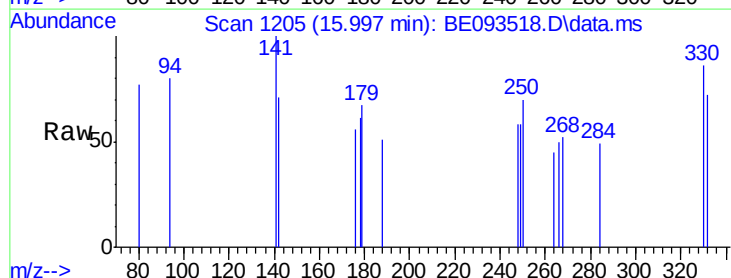
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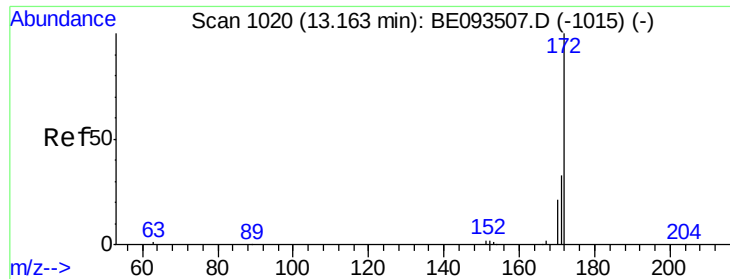
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#14
2,4,6-Tribromophenol
Concen: 0.05 ng
RT: 15.997 min Scan# 1205
Delta R.T. -0.001 min
Lab File: BE093518.D
Acq: 21 Jul 2017 21:10

Tgt Ion	Ratio	Lower	Upper
330	100		
332	80.4	77.7	116.5
141	50.6	56.2	84.4#





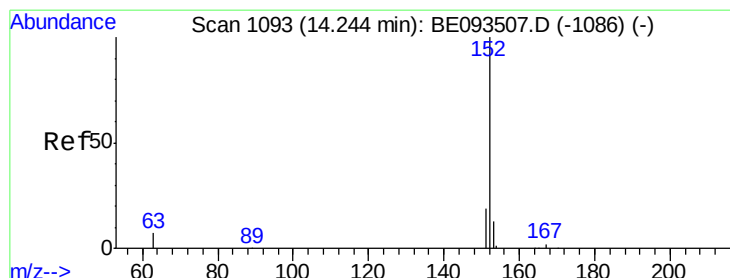
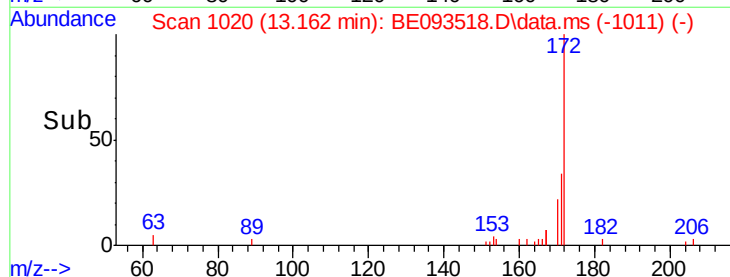
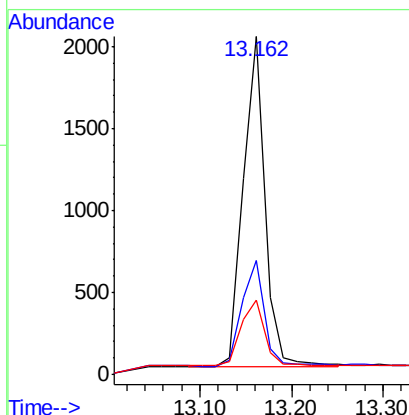
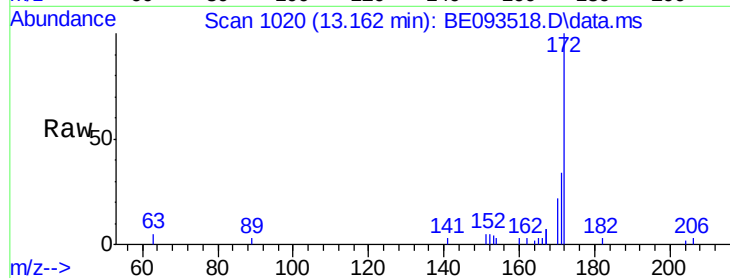
#15
2-Fluorobiphenyl
Concen: 0.10 ng
RT: 13.162 min Scan# 1019
Delta R.T. -0.001 min
Lab File: BE093518.D
Acq: 21 Jul 2017 21:10

Instrument :
BNA_E
ClientSampleId :
3578-CC7DL

Tot Ion:	172	Resp:	3336
Ion Ratio	Lower	Upper	
172	100		
171	33.6	29.8	44.6
170	21.9	20.7	31.1

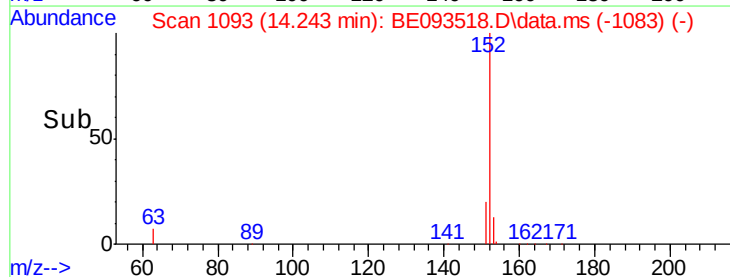
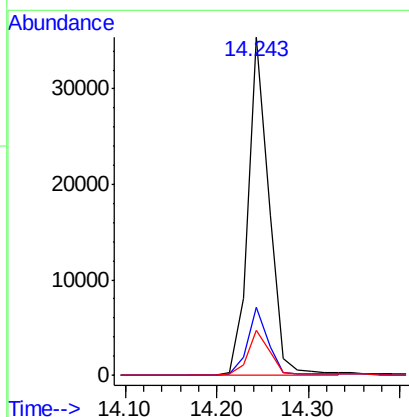
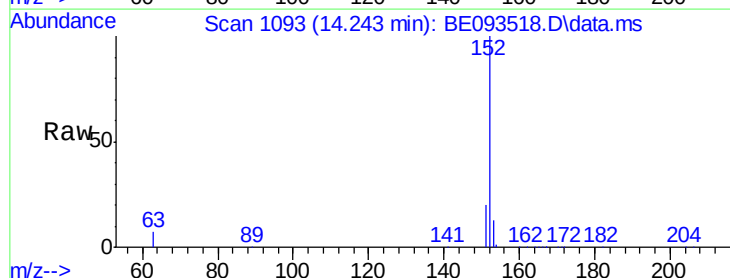
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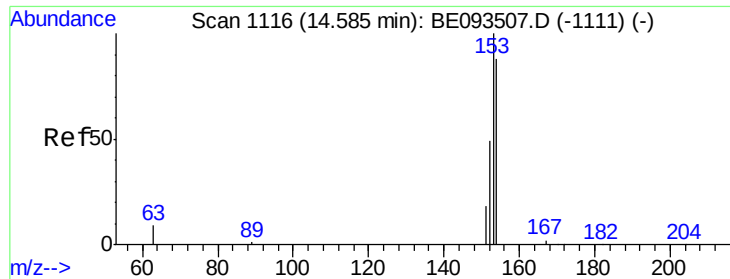
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#16
Acenaphthylene
Concen: 1.28 ng
RT: 14.243 min Scan# 1093
Delta R.T. -0.001 min
Lab File: BE093518.D
Acq: 21 Jul 2017 21:10

Tgt Ion:	152	Resp:	56229
Ion Ratio	Lower	Upper	
152	100		
151	19.6	4.0	6.0#
153	13.3	10.3	15.5





#17

Acenaphthene

Concen: 0.99 ng

RT: 14.584 min Scan# 1116

Delta R.T. -0.001 min

Lab File: BE093518.D

Acq: 21 Jul 2017 21:10

Instrument :

BNA_E

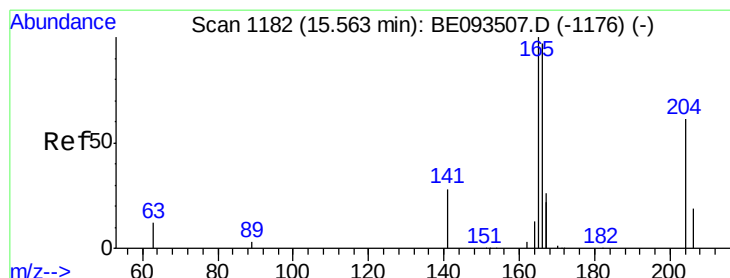
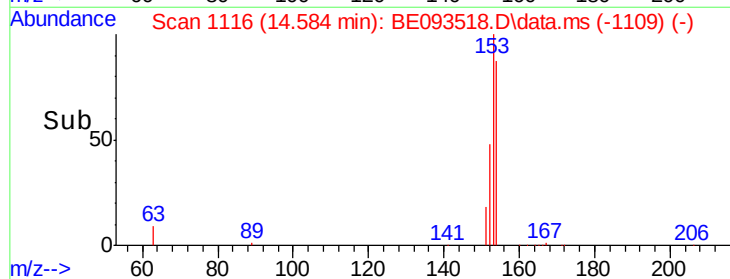
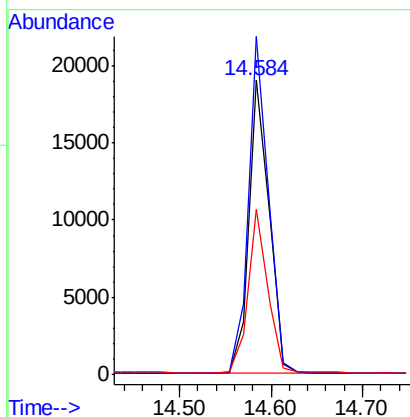
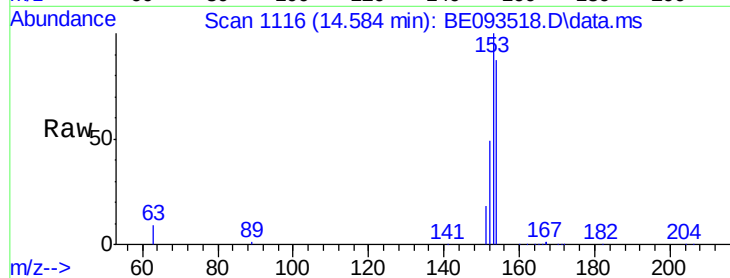
ClientSampleId :

3578-CC7DL

Tot Ion:	154	Resp:	29447
Ion Ratio	Lower	Upper	
154	100		
153	113.1	91.2	136.8
152	53.8	44.8	67.2

Manual Integrations
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#18

Fluorene

Concen: 2.98 ng

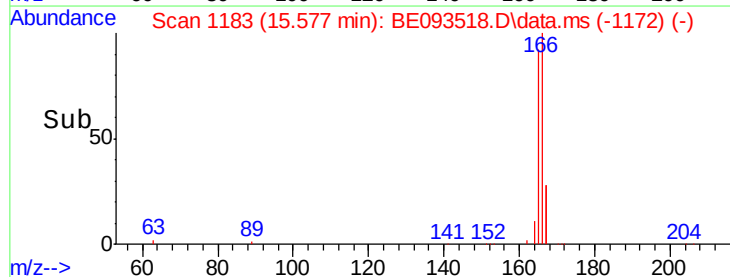
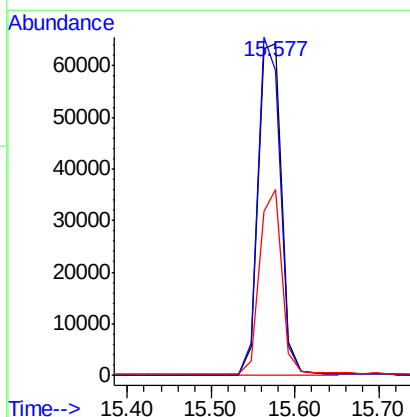
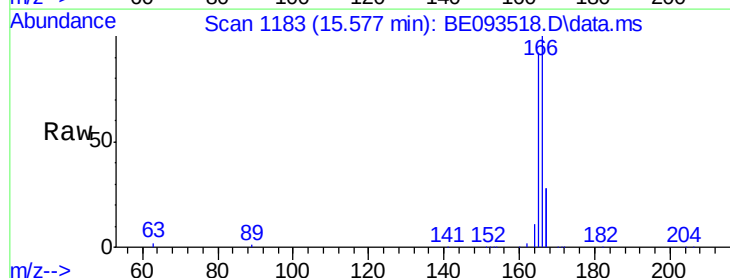
RT: 15.577 min Scan# 1183

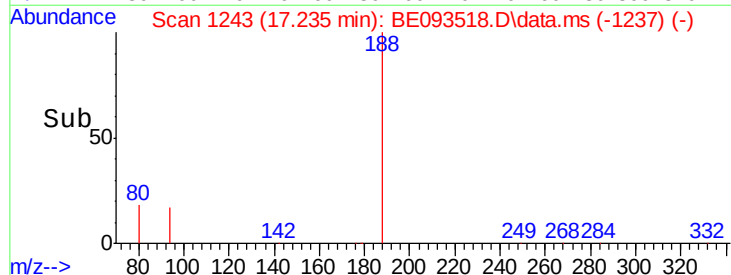
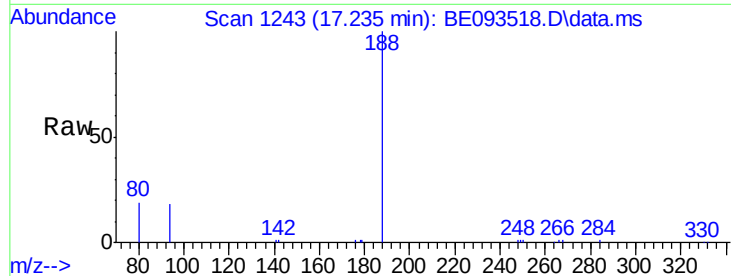
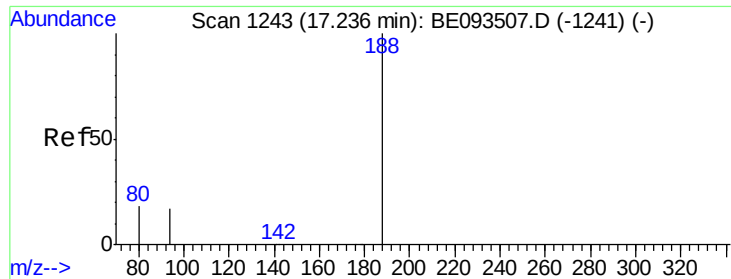
Delta R.T. 0.014 min

Lab File: BE093518.D

Acq: 21 Jul 2017 21:10

Tgt Ion:	166	Resp:	125396
Ion Ratio	Lower	Upper	
166	100		
165	97.7	78.6	117.8
167	52.9	11.1	16.7#





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.235 min Scan# 1243

Delta R.T. -0.001 min

Lab File: BE093518.D

Acq: 21 Jul 2017 21:10

Instrument :

BNA_E

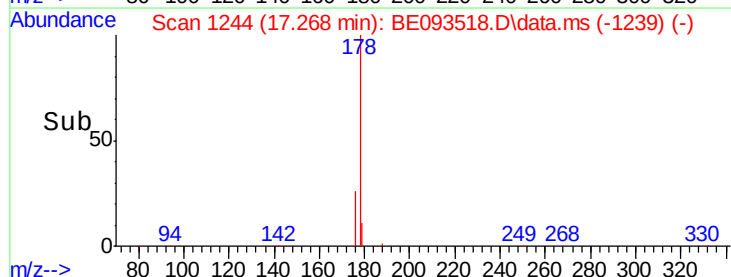
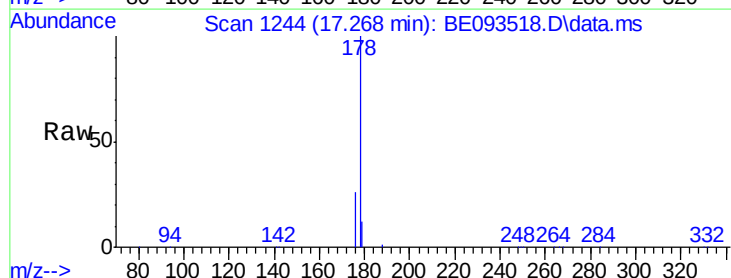
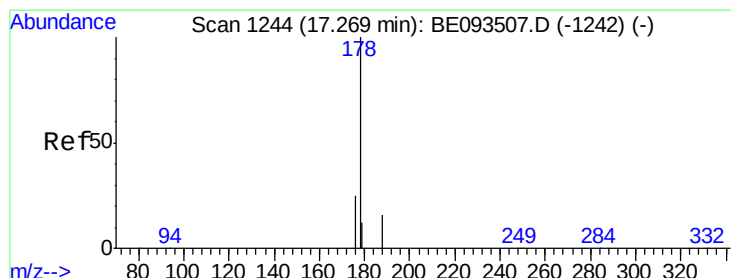
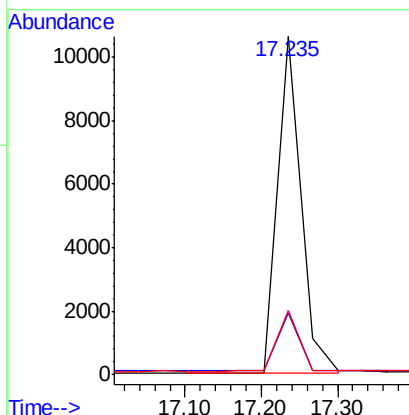
ClientSampleId :

3578-CC7DL

Tot Ion:	188	Resp:	22897
Ion Ratio	Lower	Upper	
188	100		
94	18.1	11.3	16.9#
80	19.1	11.7	17.5#

Manual Integrations
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#23

Phenanthrene

Concen: 5.77 ng

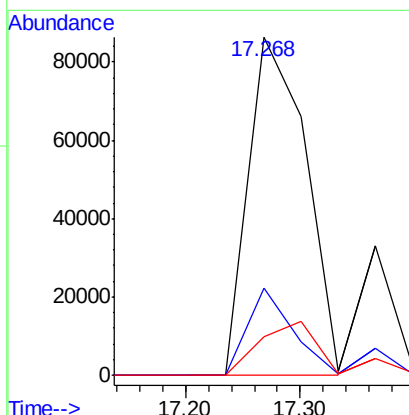
RT: 17.268 min Scan# 1244

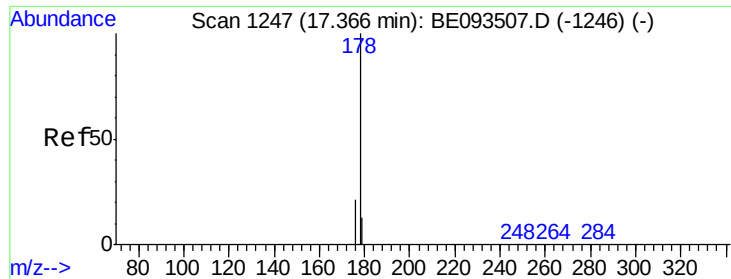
Delta R.T. -0.001 min

Lab File: BE093518.D

Acq: 21 Jul 2017 21:10

Tgt Ion:	178	Resp:	299547
Ion Ratio	Lower	Upper	
178	100		
176	20.2	15.0	22.4
179	0.0	12.7	19.1#





#24

Anthracene

Concen: 0.87 ng/ml

RT: 17.366 min Scan# 1247

Delta R.T. -0.001 min

Lab File: BE093518.D

Acq: 21 Jul 2017 21:10

Instrument :

BNA_E

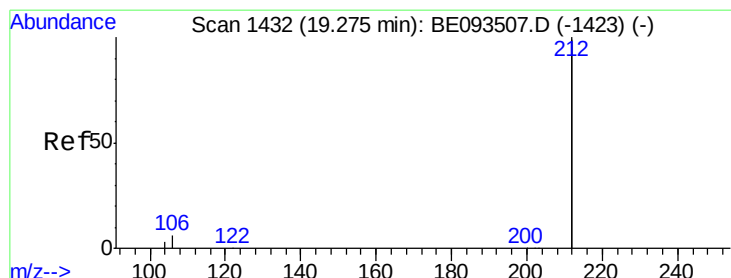
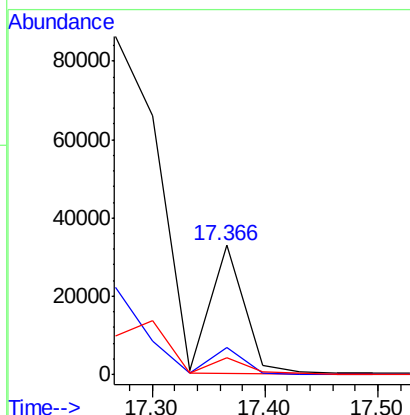
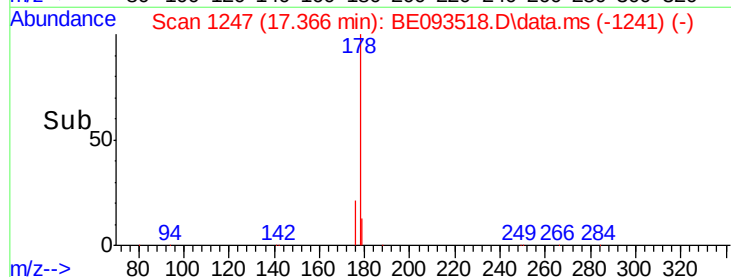
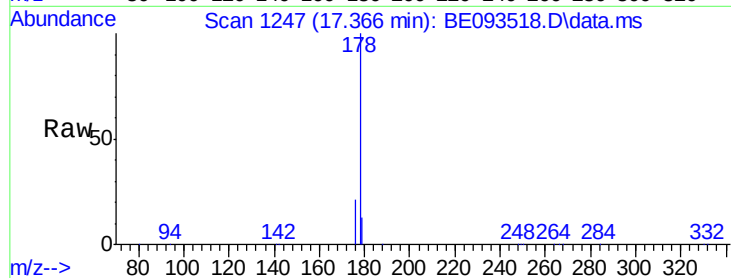
ClientSampleId :

3578-CC7DL

Tot Ion:	178	Resp:	69054
Ion Ratio	Lower	Upper	
178	100		
176	108.2	14.6	22.0#
179	0.0	12.0	18.0#

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.04 ng/ml

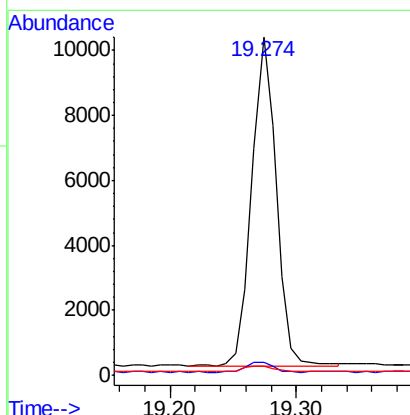
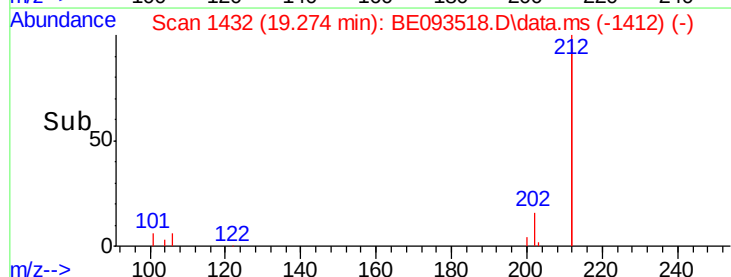
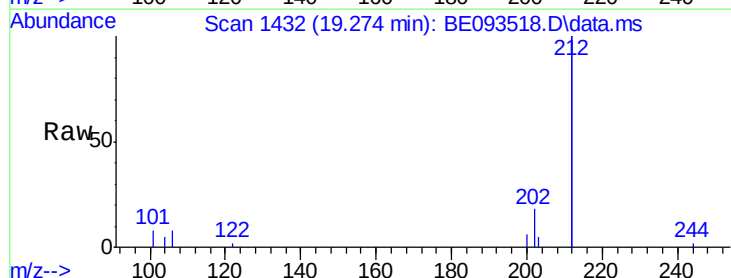
RT: 19.274 min Scan# 1432

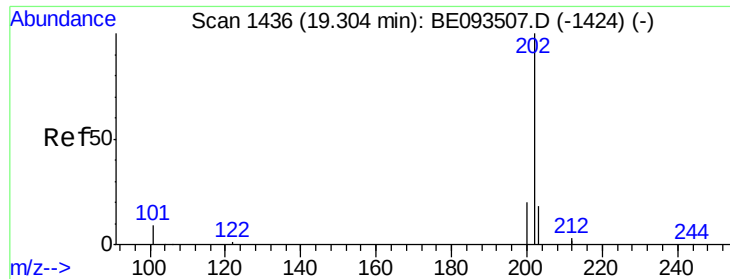
Delta R.T. -0.001 min

Lab File: BE093518.D

Acq: 21 Jul 2017 21:10

Tgt Ion:	212	Resp:	13664
Ion Ratio	Lower	Upper	
212	100		
106	3.4	2.4	3.6
104	2.2	1.6	2.4





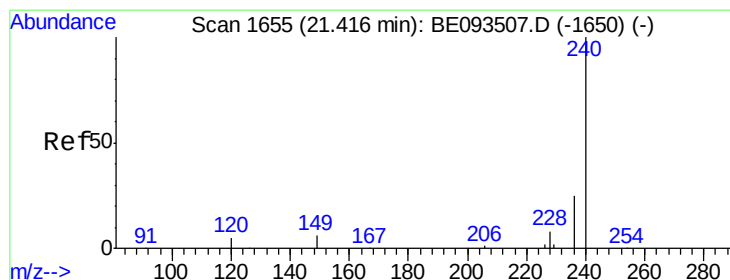
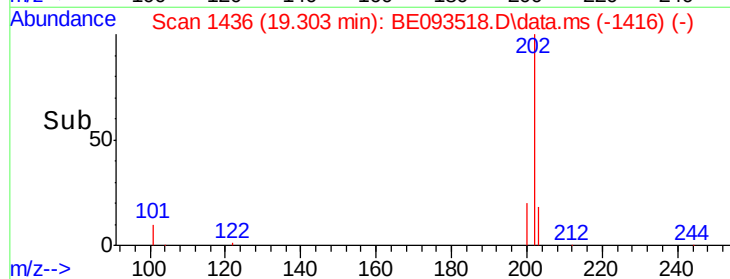
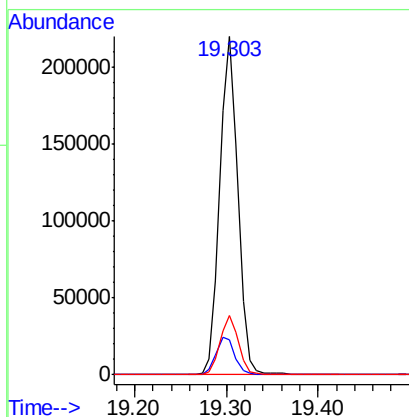
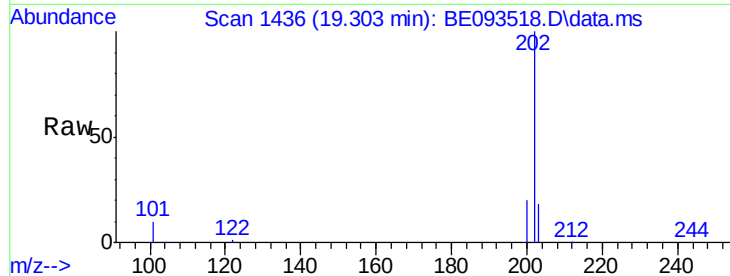
#26
Fluoranthene
Concen: 2.70 ng
RT: 19.303 min Scan# 1436
Delta R.T. -0.001 min
Lab File: BE093518.D
Acq: 21 Jul 2017 21:10

Instrument :
BNA_E
ClientSampleId :
3578-CC7DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.2	9.6	14.4
203	17.4	14.4	21.6

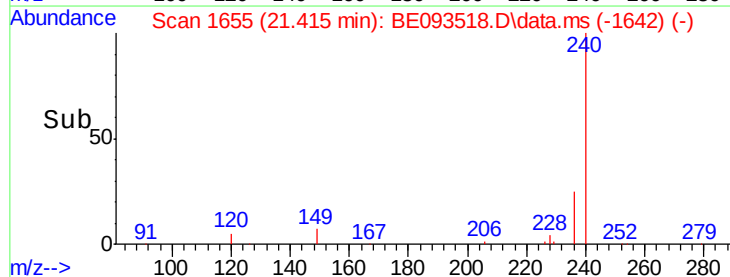
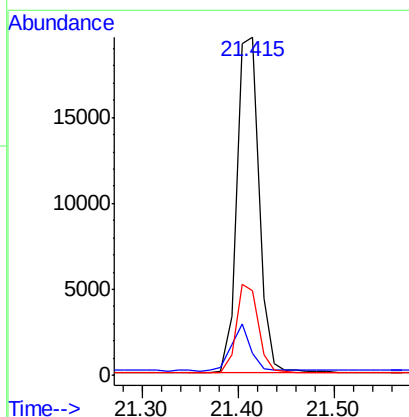
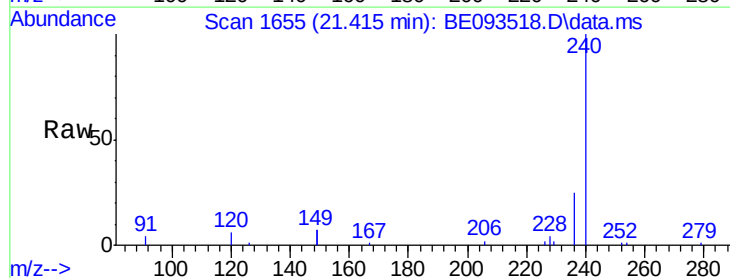
Manual Integrations
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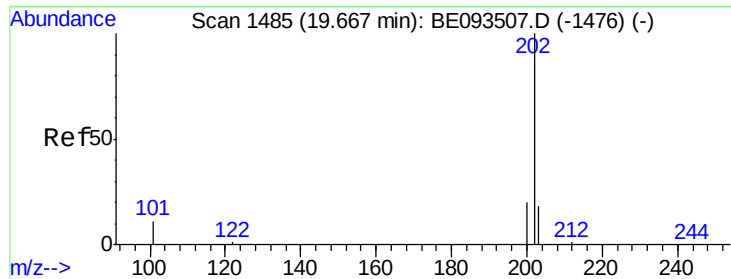
Sohil
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#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.415 min Scan# 1655
Delta R.T. -0.001 min
Lab File: BE093518.D
Acq: 21 Jul 2017 21:10

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	6.5	4.6	7.0
236	25.1	20.8	31.2





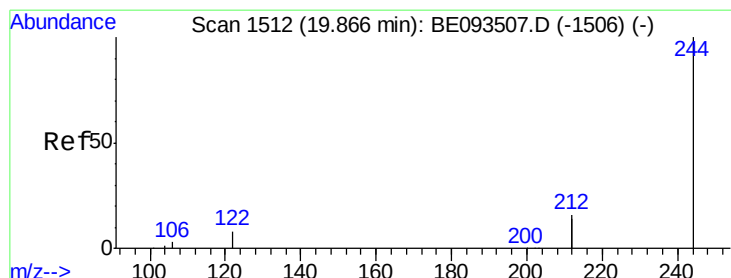
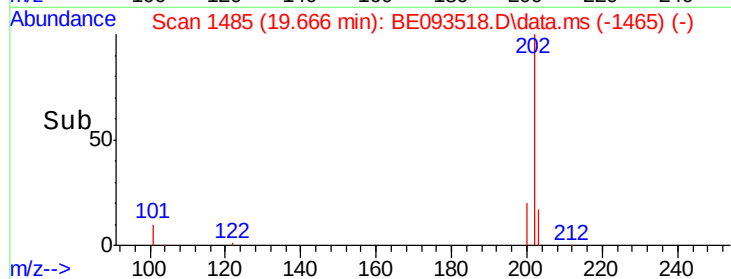
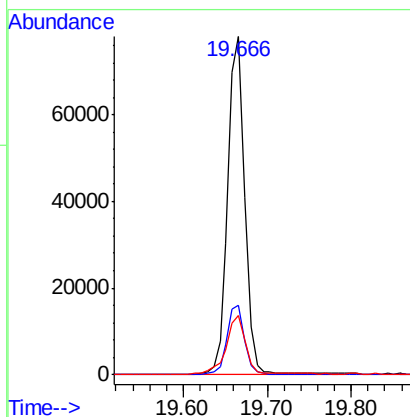
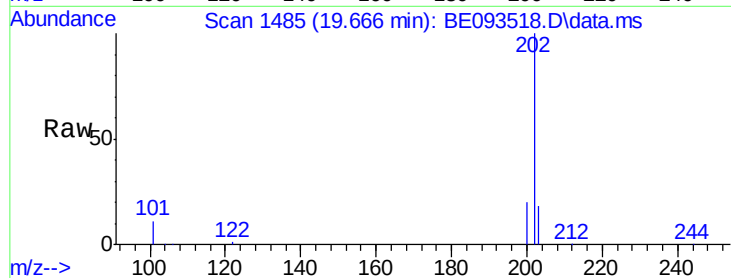
#28
Pvrene
Concen: 1.05 ng
RT: 19.666 min Scan# 1485
Delta R.T. -0.001 min
Lab File: BE093518.D
Acq: 21 Jul 2017 21:10

Instrument :
BNA_E
ClientSampleId :
3578-CC7DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	0.0	0.0#
203	19.3	13.7	20.5

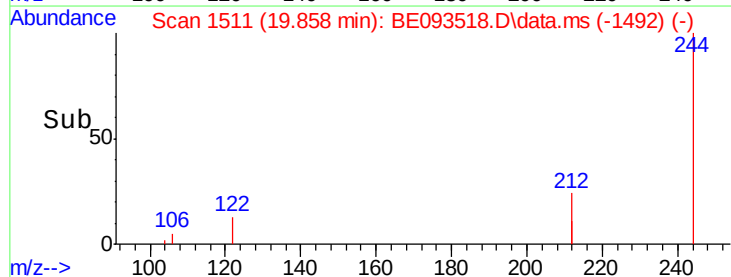
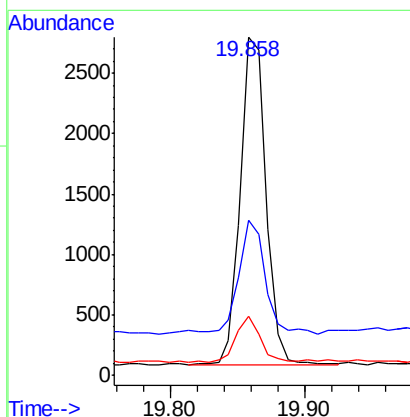
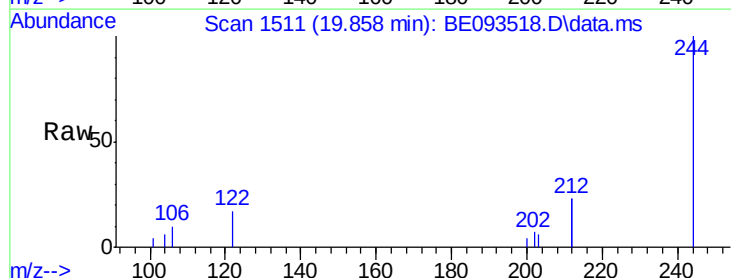
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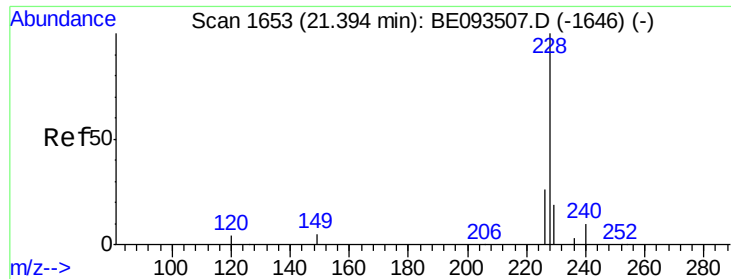
Sohil
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#29
Terphenyl-d14
Concen: 0.06 ng
RT: 19.858 min Scan# 1511
Delta R.T. -0.008 min
Lab File: BE093518.D
Acq: 21 Jul 2017 21:10

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	45.8	10.6	16.0#
122	17.4	15.4	23.0





#30

Benzo(a)anthracene

Concen: 0.19 ng

RT: 21.393 min Scan# 1653

Delta R.T. -0.001 min

Lab File: BE093518.D

Acq: 21 Jul 2017 21:10

Instrument :

BNA_E

ClientSampleId :

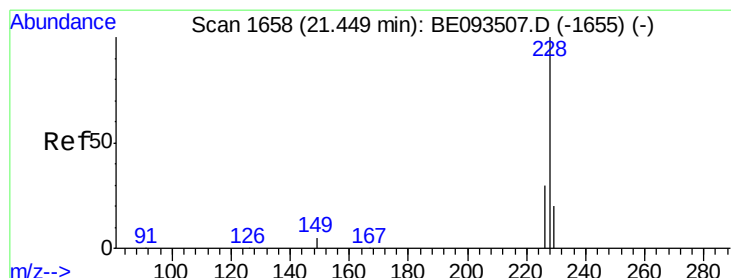
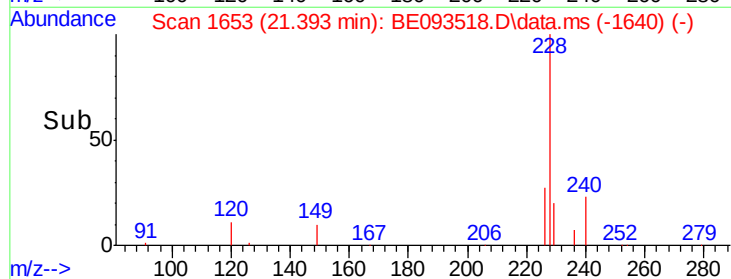
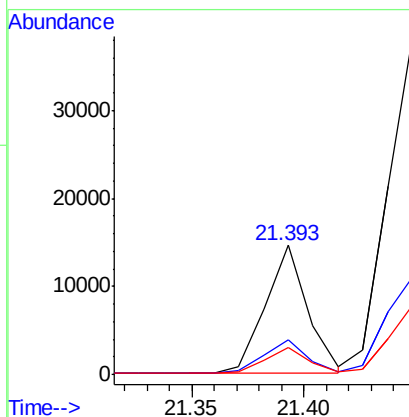
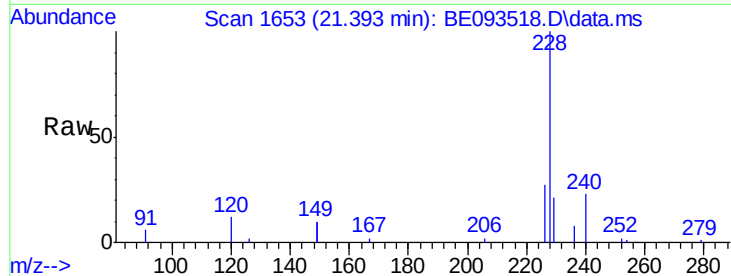
3578-CC7DL

Tot Ion:	228	Resp:	19135
Ion Ratio	Lower	Upper	
228	100		
226	27.3	19.7	29.5
229	21.1	19.2	28.8

Manual Integrations
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#31

Chrysene

Concen: 0.52 ng

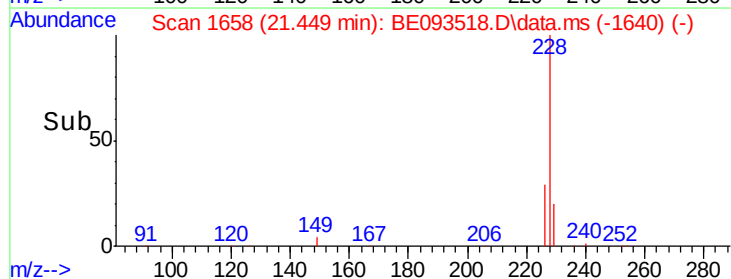
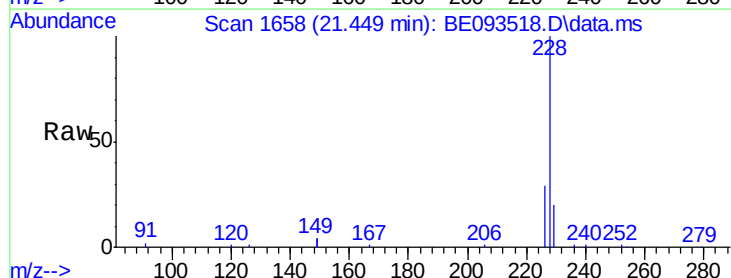
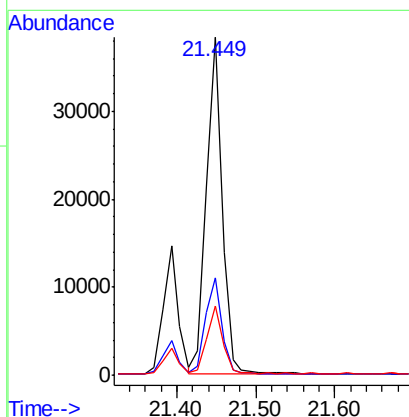
RT: 21.449 min Scan# 1658

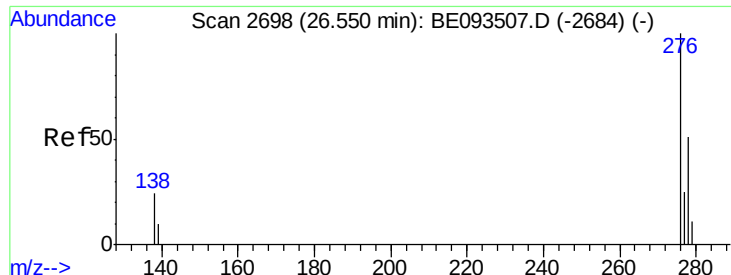
Delta R.T. -0.001 min

Lab File: BE093518.D

Acq: 21 Jul 2017 21:10

Tgt Ion:	228	Resp:	52473
Ion Ratio	Lower	Upper	
228	100		
226	28.9	21.5	32.3
229	20.4	18.6	28.0





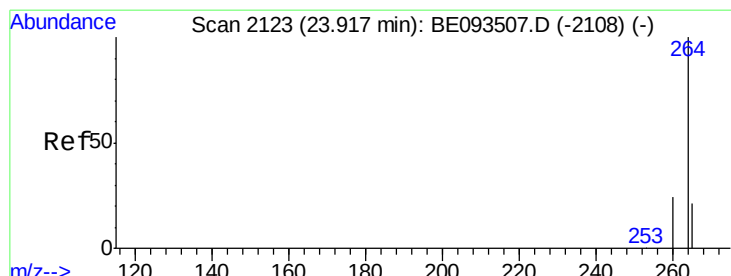
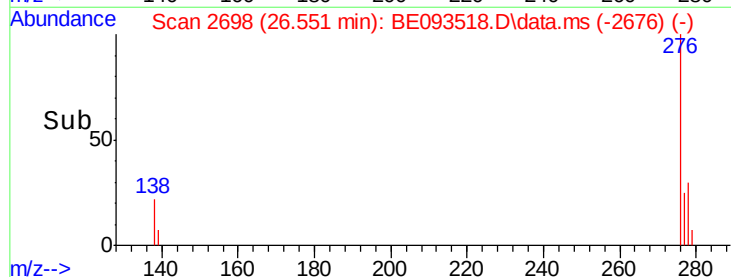
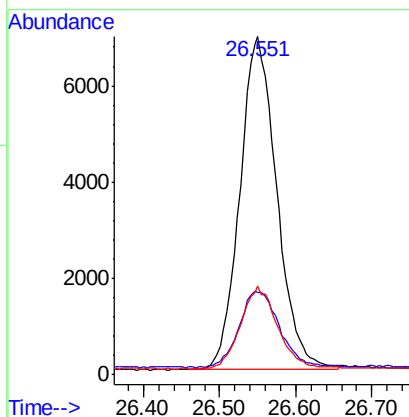
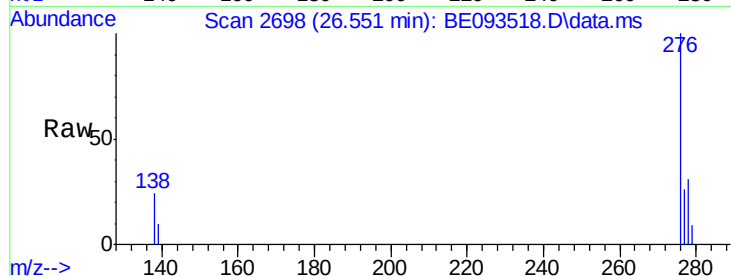
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.24 ng
RT: 26.551 min Scan# 2698
Delta R.T. 0.000 min
Lab File: BE093518.D
Acq: 21 Jul 2017 21:10

Instrument :
BNA_E
ClientSampleId :
3578-CC7DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.3	27.4	41.2#
277	24.4	20.1	30.1

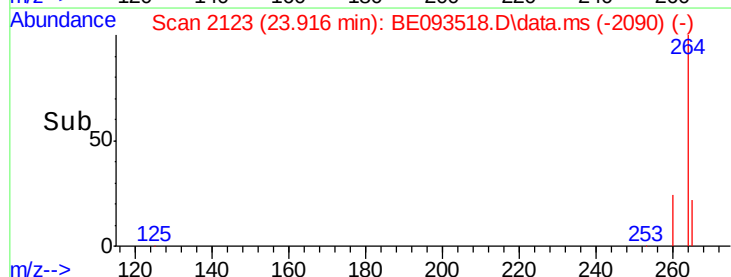
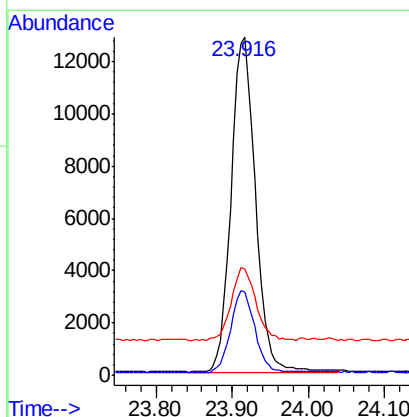
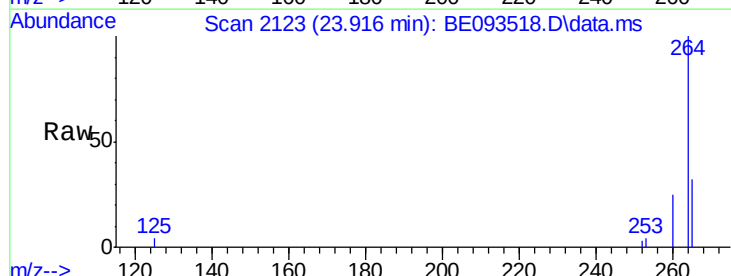
Manual Integrations
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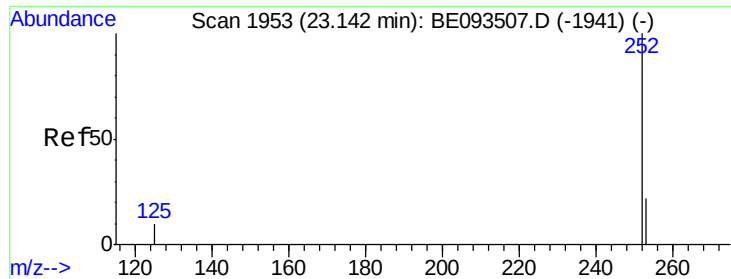
Sohil
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#34
Perylene-d12
Concen: 0.40 ng
RT: 23.916 min Scan# 2123
Delta R.T. -0.001 min
Lab File: BE093518.D
Acq: 21 Jul 2017 21:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	21.0	31.4
265	31.6	24.6	36.8





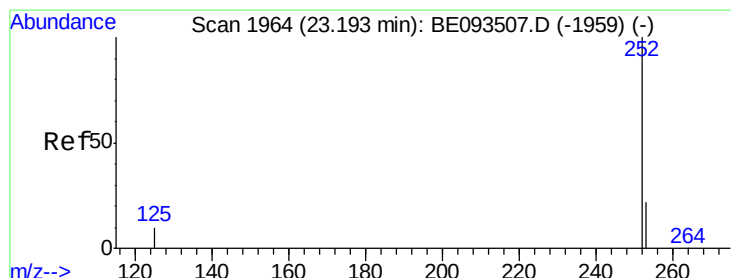
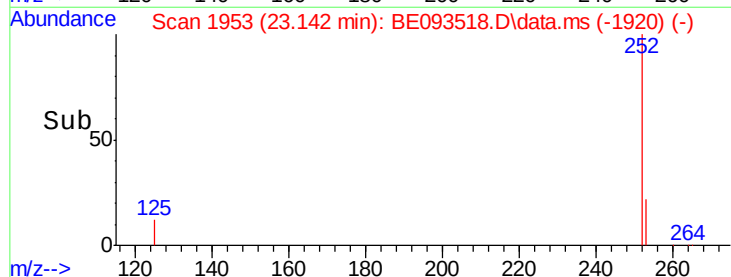
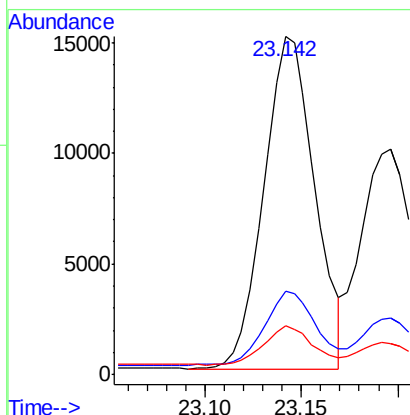
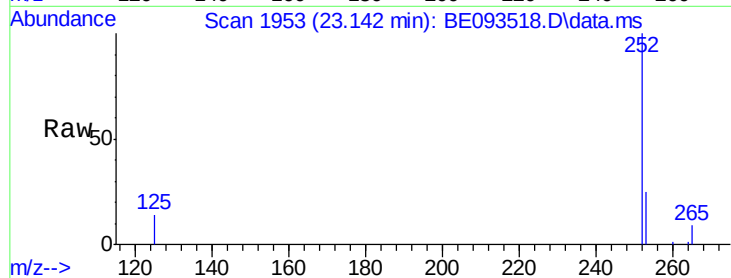
#35
Benzo(b)fluoranthene
Concen: 0.28 ng
RT: 23.142 min Scan# 1953
Delta R.T. -0.001 min
Lab File: BE093518.D
Acq: 21 Jul 2017 21:10

Instrument :
BNA_E
ClientSampled :
3578-CC7DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.5	27.7
125	14.3	13.4	20.0

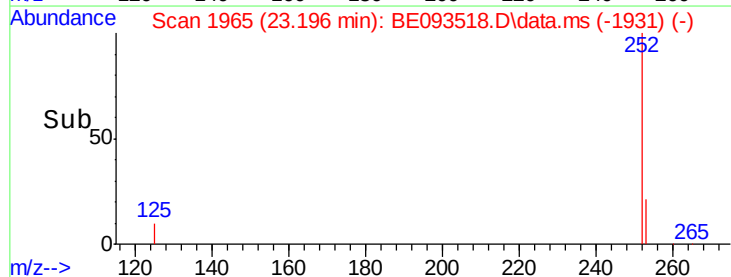
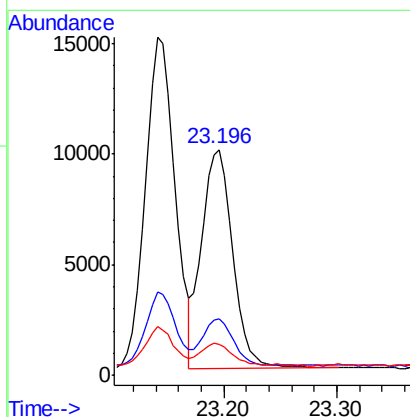
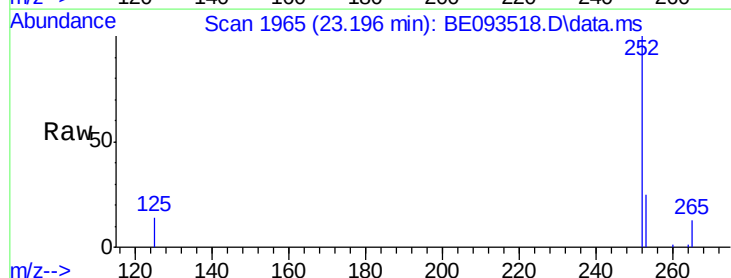
Manual Integrations
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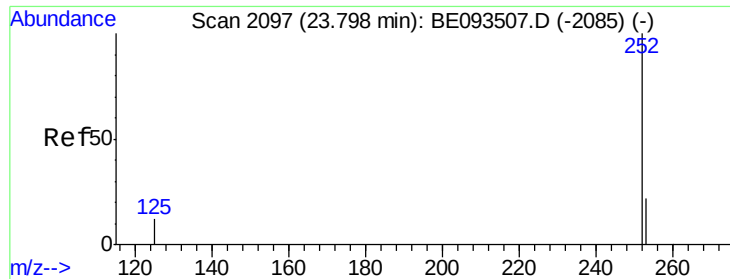
Sohil
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#36
Benzo(k)fluoranthene
Concen: 0.19 ng
RT: 23.196 min Scan# 1965
Delta R.T. 0.004 min
Lab File: BE093518.D
Acq: 21 Jul 2017 21:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	20.3	30.5
125	13.8	12.2	18.4





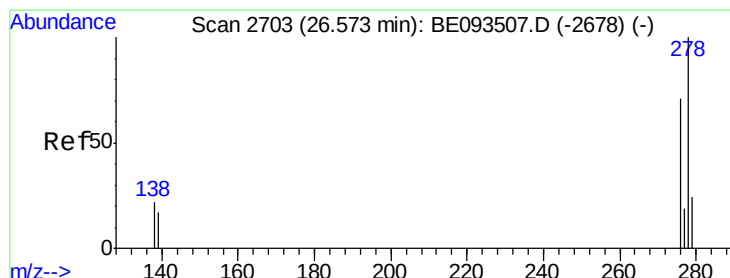
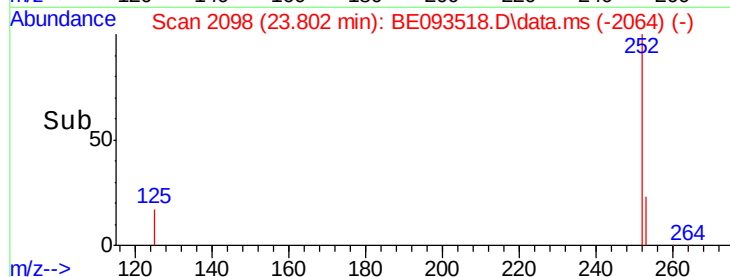
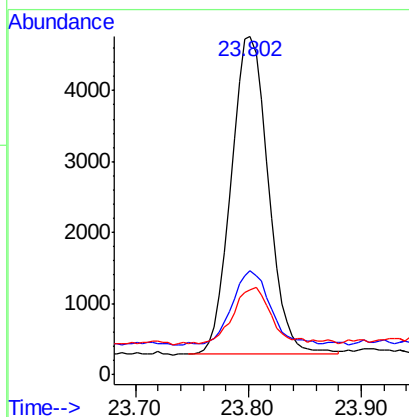
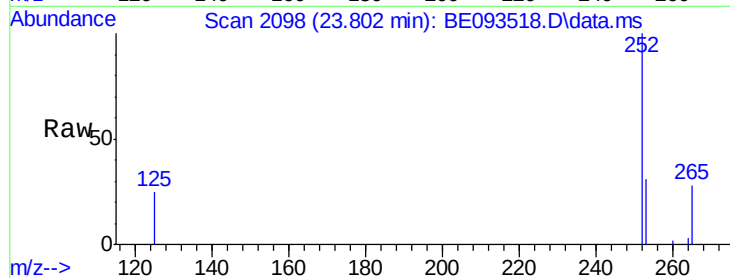
#37
Benzo(a)pyrene
Concen: 0.11 ng
RT: 23.802 min Scan# 2097
Delta R.T. 0.004 min
Lab File: BE093518.D
Acq: 21 Jul 2017 21:10

Instrument :
BNA_E
ClientSampleId :
3578-CC7DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.8	19.9	29.9#
125	25.0	14.6	21.8#

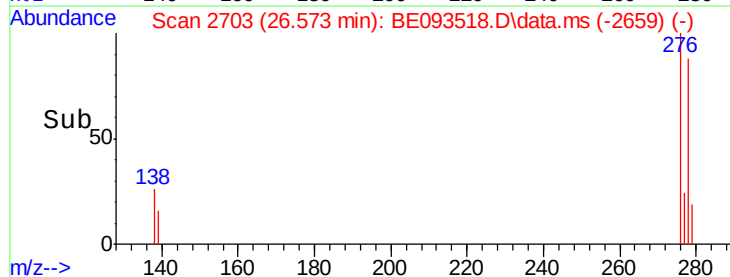
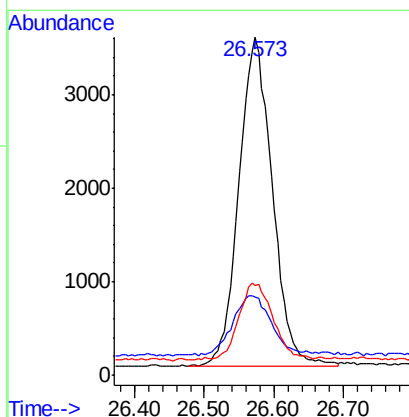
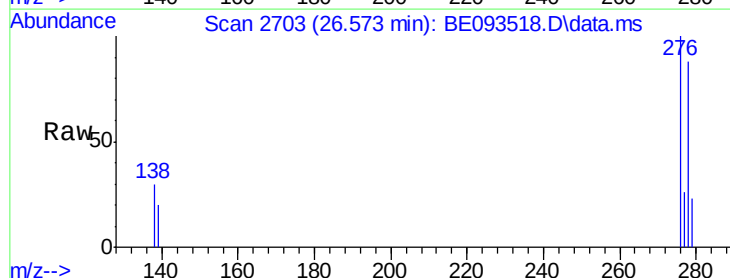
Manual Integrations
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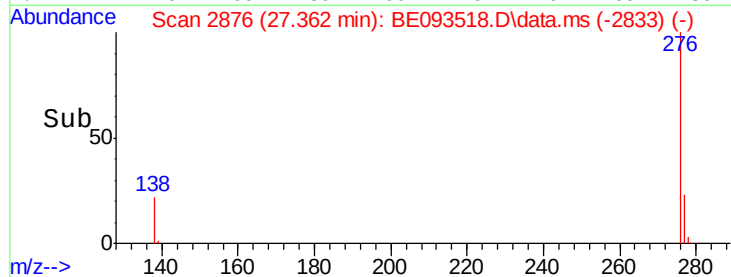
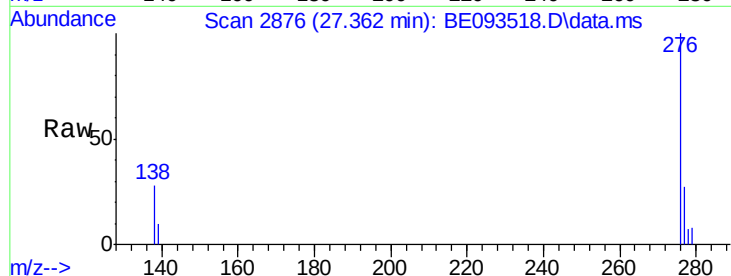
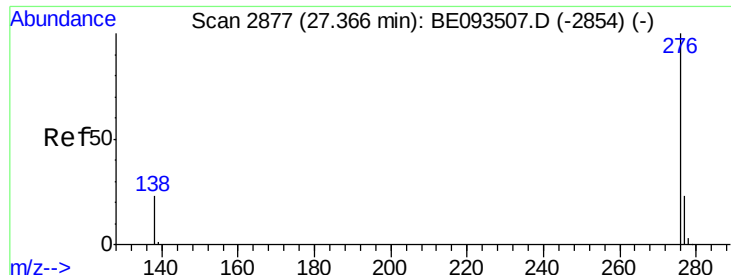
Sohil
7/24/2017 5:09:39 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.13 ng
RT: 26.573 min Scan# 2703
Delta R.T. 0.000 min
Lab File: BE093518.D
Acq: 21 Jul 2017 21:10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.1	21.4	32.0
279	26.4	22.2	33.2





#39

Benzo(a,h,i)perylene

Concen: 0.09 ng

RT: 27.362 min Scan# 28

Delta R.T. -0.004 min

Lab File: BE093518.D

Acq: 21 Jul 2017 21:10

Instrument :

BNA_E

ClientSampleId :

3578-CC7DL

Tot Ion:	276	Resp:	8367
Ion Ratio	Lower	Upper	
276	100		
277	26.8	21.2	31.8
138	27.8	24.5	36.7

Manual Integrations
APPROVED

Sohil
7/24/2017 5:09:39 PM

