

Data Path : Z:\HPCHEM1\BNA E\Data\BE072117\
 Data File : BE093527.D
 Acq On : 22 Jul 2017 2:41
 Operator : SJ/JU
 Sample : I4199-15DL2 50X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 3578-CC7DL2

Manual Integrations
 APPROVED

Sohil
 7/24/2017 5:09:41 PM

Quant Time: Jul 22 03:54:25 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	2857	0.40	ng	0.00
7) Naphthalene-d8	10.722	136	13714	0.40	ng	0.02
13) Acenaphthene-d10	14.525	164	9041	0.40	ng	0.00
19) Phenanthrene-d10	17.235	188	17100	0.40	ng	0.00
27) Chrysene-d12	21.415	240	28613	0.40	ng	0.00
34) Perylene-d12	23.921	264	25865	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.527	112	80	0.01	ng	0.01
5) Phenol-d6	7.113	99	138	0.01	ng	0.01
8) Nitrobenzene-d5	9.077	82	217	0.02	ng	0.02
11) 2-Methylnaphthalene-d10	12.299	152	186	0.01	ng	0.00
14) 2,4,6-Tribromophenol	16.029	330	57	0.02	ng	0.03
15) 2-Fluorobiphenyl	13.162	172	915	0.03	ng	0.00
25) Fluoranthene-d10	19.282	212	2645	0.01	ng	0.00
29) Terphenyl-d14	19.866	244	981	0.02	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.756	128	53961	0.34	ng	# 99
12) 2-Methylnaphthalene	12.368	142	12236	0.46	ng	99
16) Acenaphthylene	14.244	152	11448	0.25	ng	# 87
17) Acenaphthene	14.584	154	5883	0.19	ng	99
18) Fluorene	15.577	166	24680	0.57	ng	# 88
23) Phenanthrene	17.301	178	60151	1.55	ng	97
24) Anthracene	17.366	178	10313m	0.17	ng	
26) Fluoranthene	19.311	202	53468	0.65	ng	98
28) Pyrene	19.666	202	19510	0.21	ng	# 95
30) Benzo(a)anthracene	21.393	228	3618	0.04	ng	# 78
31) Chrysene	21.448	228	9282	0.10	ng	# 92
33) Indeno(1,2,3-cd)pyrene	26.564	276	4343	0.05	ng	# 89
35) Benzo(b)fluoranthene	23.151	252	5185	0.06	ng	# 56
39) Benzo(g,h,i)perylene	27.385	276	1616	0.02	ng	# 52

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

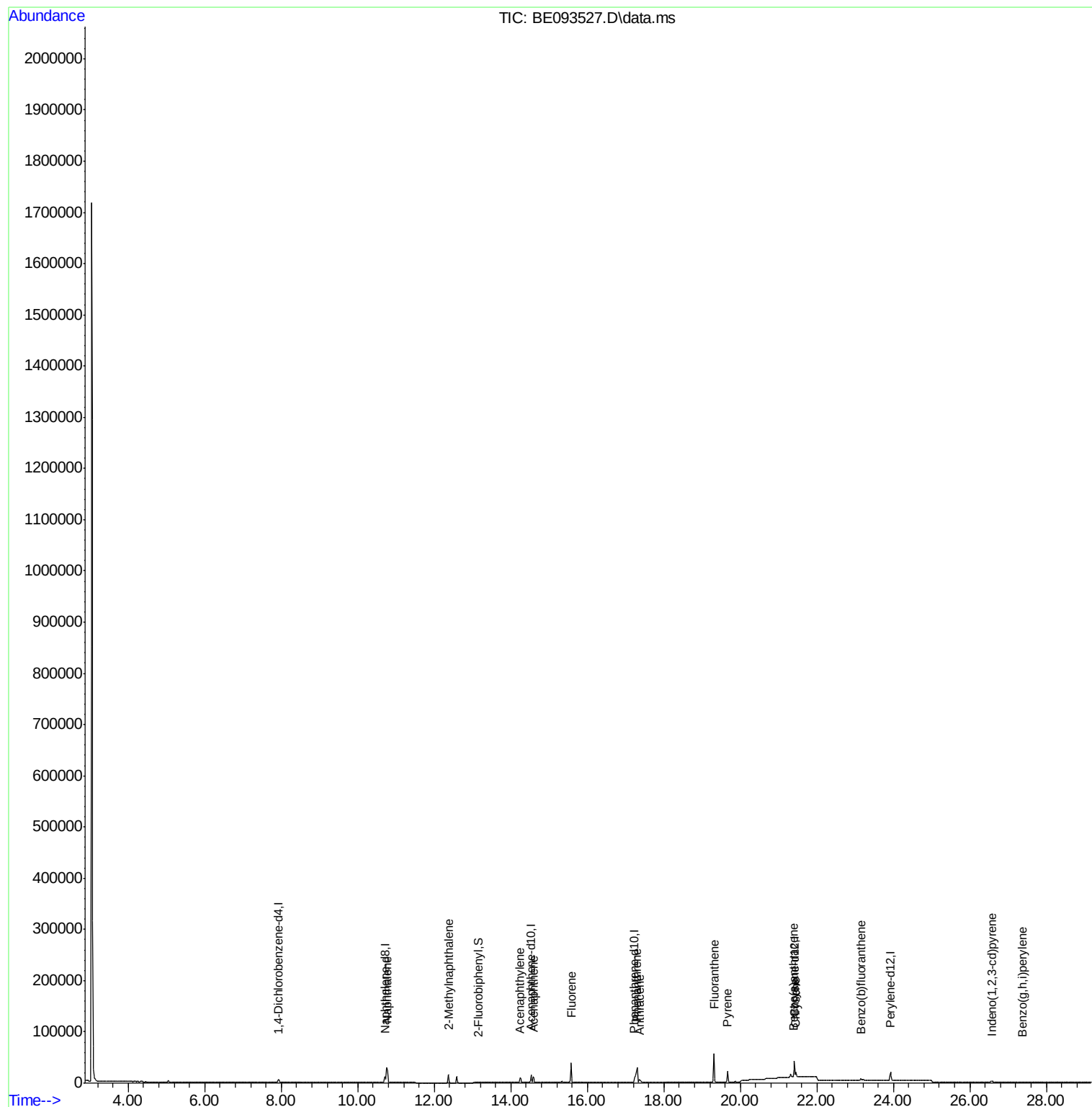
Data Path : Z:\HPCHEM1\BNA E\Data\BE072117\
Data File : BE093527.D
Acq On : 22 Jul 2017 2:41
Operator : SJ/JU
Sample : I4199-15DL2 50X
Misc :
ALS Vial : 16 Sample Multiplier: 1

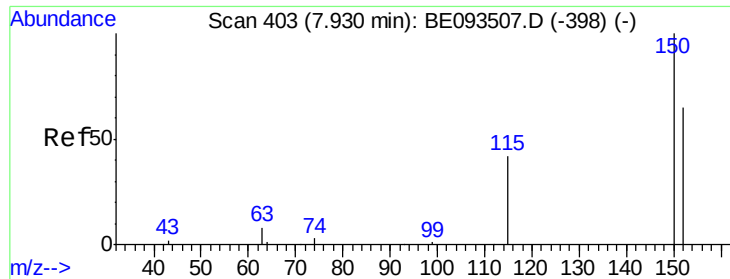
Instrument :
BNA_E
ClientSampleId :
3578-CC7DL2

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Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE072117.M
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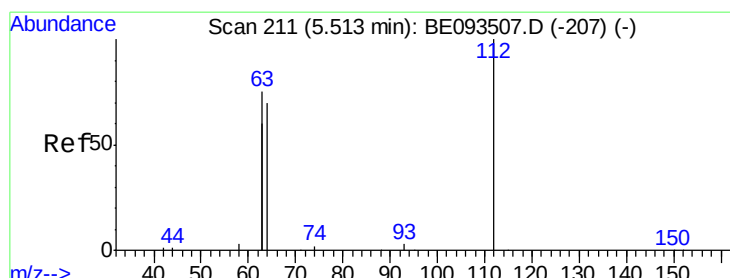
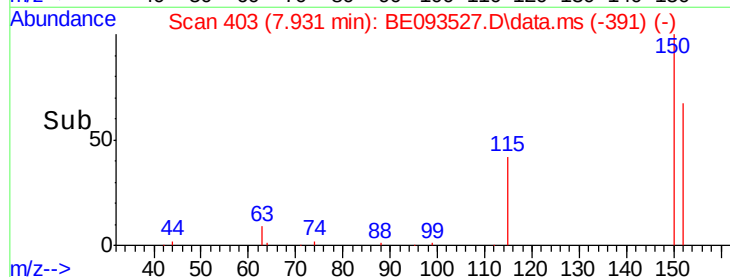
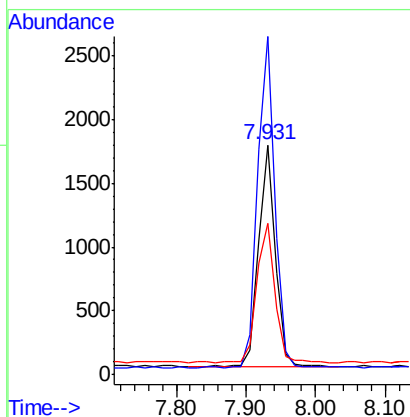
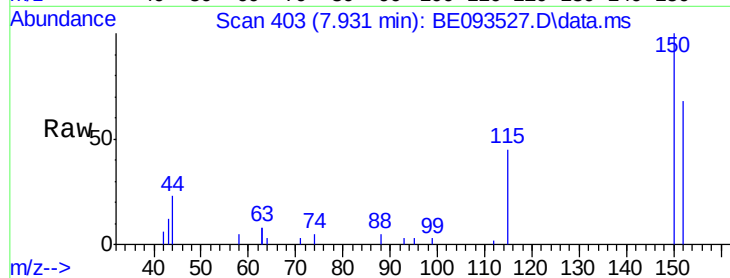
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.931 min Scan# 40
 Delta R.T. 0.001 min
 Lab File: BE093527.D
 Acq: 22 Jul 2017 2:41

Instrument :
 BNA_E
 ClientSampleId :
 3578-CC7DL2

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.2	125.1	187.7
115	66.0	55.7	83.5

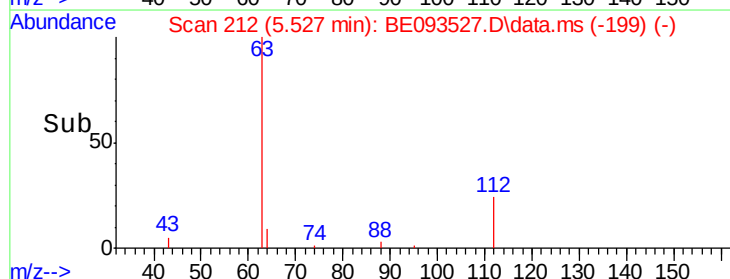
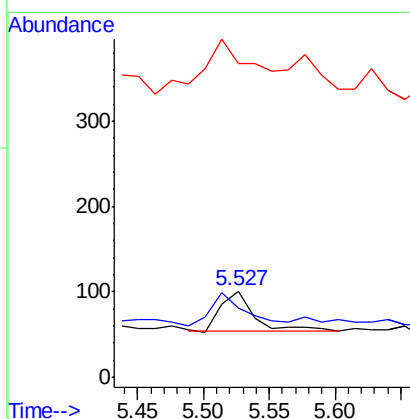
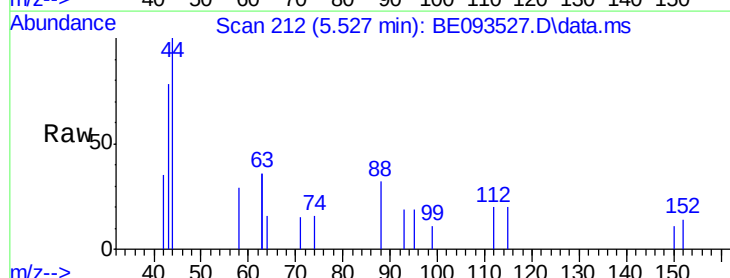
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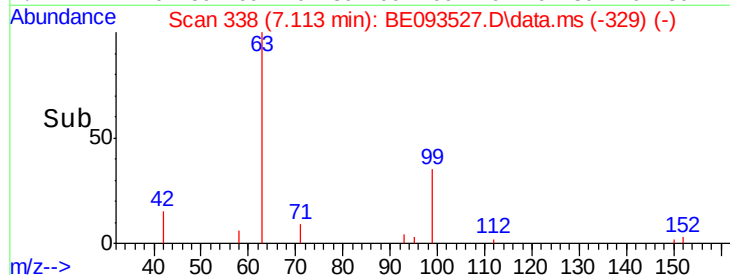
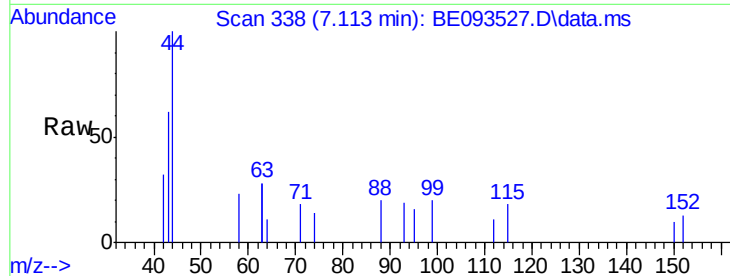
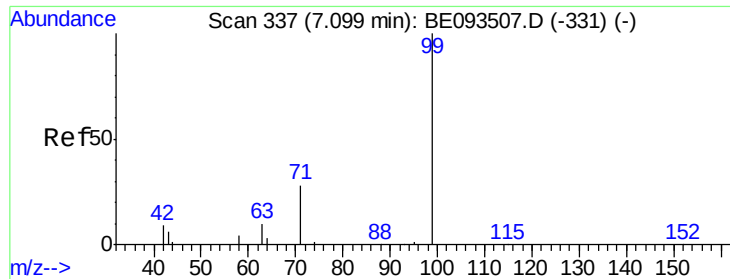
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#4
 2-Fluorophenol
 Concen: 0.01 ng
 RT: 5.527 min Scan# 212
 Delta R.T. 0.014 min
 Lab File: BE093527.D
 Acq: 22 Jul 2017 2:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	87.5	56.4	84.6#
63	207.5	29.3	43.9#





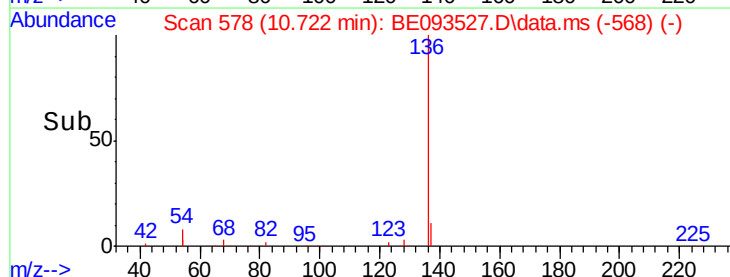
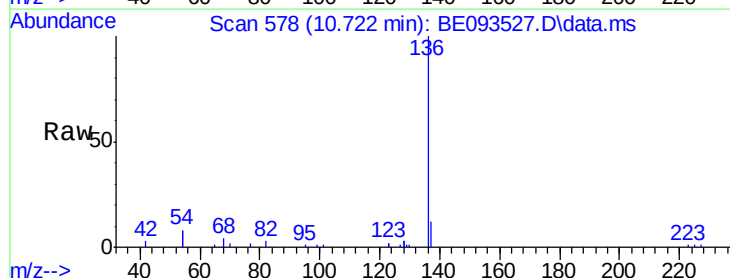
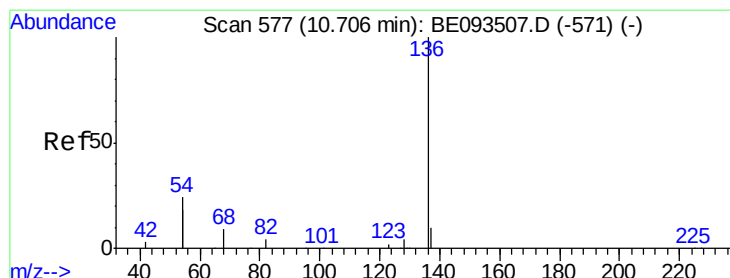
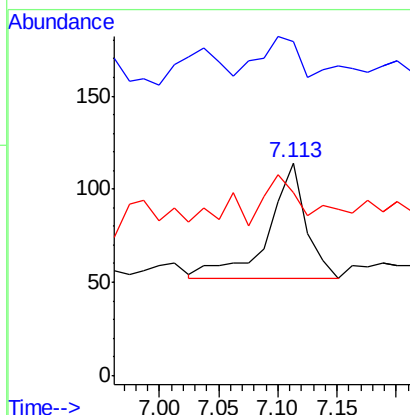
#5
Phenol-d6
Concen: 0.01 ng
RT: 7.113 min Scan# 337
Delta R.T. 0.014 min
Lab File: BE093527.D
Acq: 22 Jul 2017 2:41

Instrument :
BNA_E
ClientSampleId :
3578-CC7DL2

Tot Ion: 99 Resp: 138
Ion Ratio Lower Upper
99 100
42 31.9 0.0 0.0#
71 55.1 0.0 0.0#

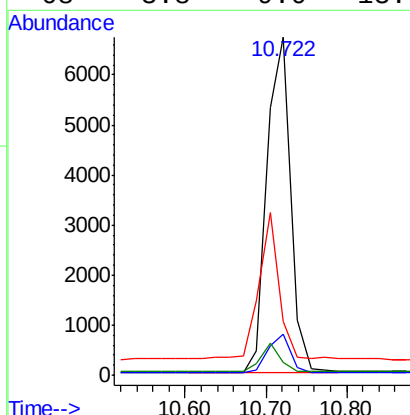
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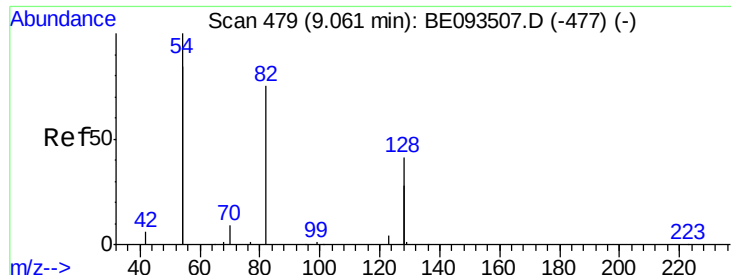
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#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.722 min Scan# 578
Delta R.T. 0.016 min
Lab File: BE093527.D
Acq: 22 Jul 2017 2:41

Tgt Ion: 136 Resp: 13714
Ion Ratio Lower Upper
136 100
137 12.0 9.8 14.8
54 16.0 10.3 15.5#
68 3.8 9.0 13.4#





#8

Nitrobenzene-d5

Concen: 0.02 ng

RT: 9.077 min Scan# 48

Delta R.T. 0.016 min

Lab File: BE093527.D

Acq: 22 Jul 2017 2:41

Instrument :

BNA_E

ClientSampled :

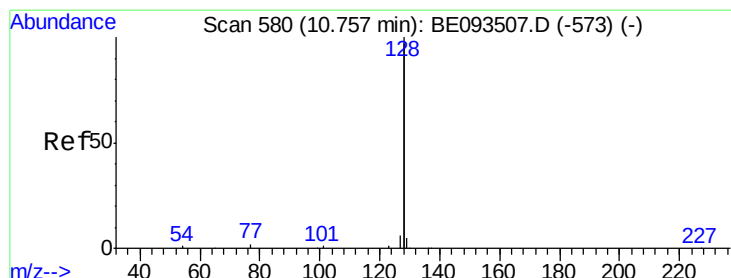
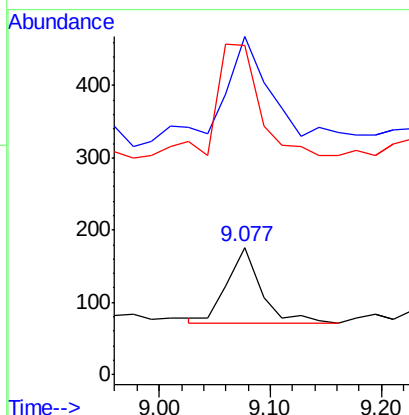
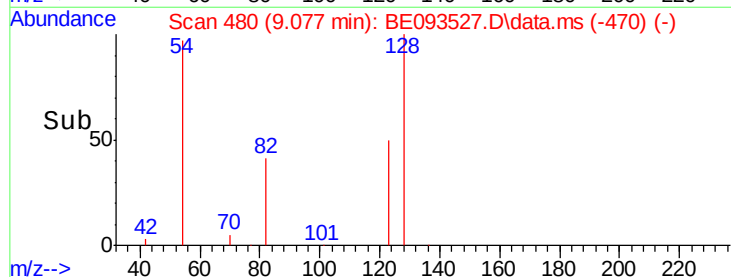
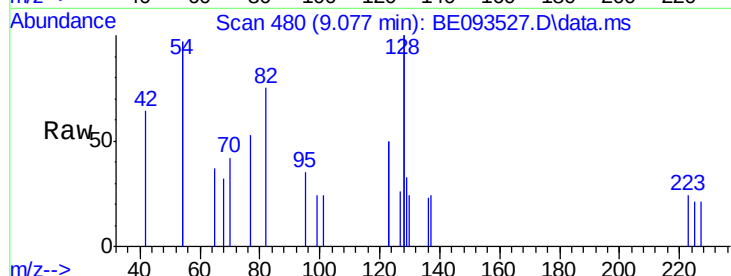
3578-CC7DL2

Tot Ion:	82	Resp:	217
Ion Ratio	Lower	Upper	
82	100		
128	265.9	17.0	25.4#
54	259.1	53.8	80.6#

Manual Integrations
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#9

Naphthalene

Concen: 0.34 ng

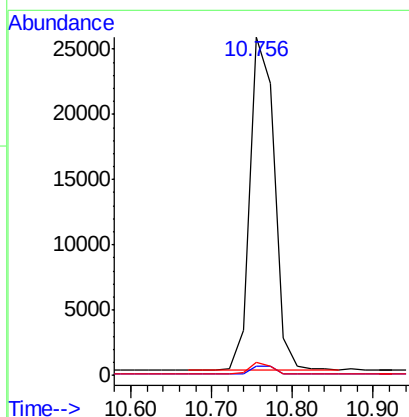
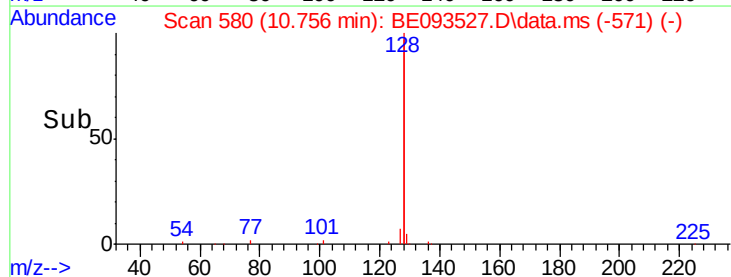
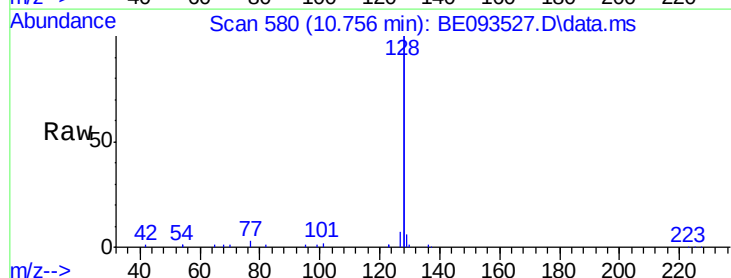
RT: 10.756 min Scan# 580

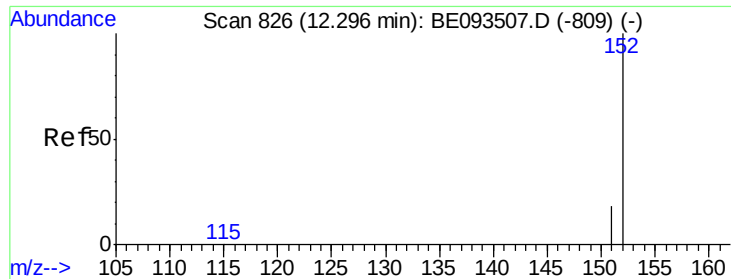
Delta R.T. -0.001 min

Lab File: BE093527.D

Acq: 22 Jul 2017 2:41

Tgt Ion:	128	Resp:	53961
Ion Ratio	Lower	Upper	
128	100		
129	2.8	2.4	3.6
127	3.7	2.4	3.6#





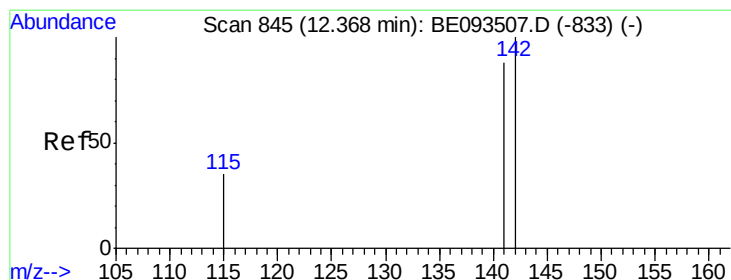
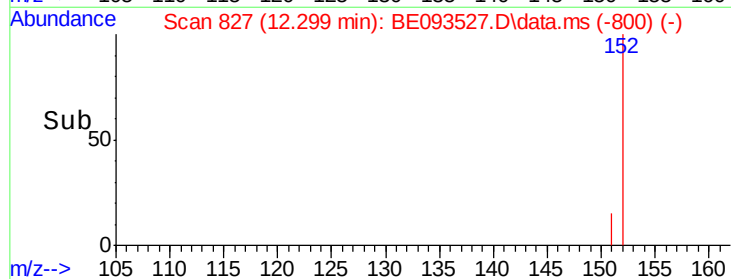
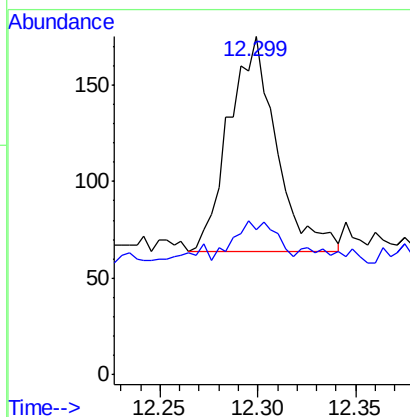
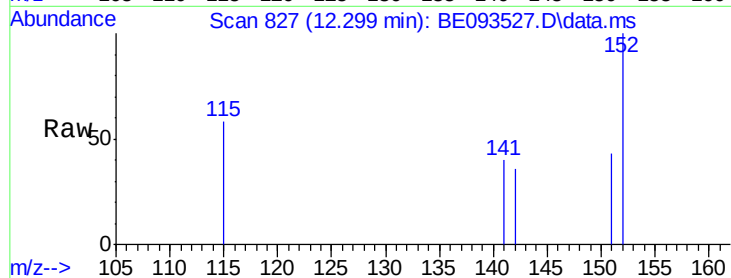
#11
2-Methylnaphthalene-d10
Concen: 0.01 ng
RT: 12.299 min Scan# 827
Delta R.T. 0.003 min
Lab File: BE093527.D
Acq: 22 Jul 2017 2:41

Instrument :
BNA_E
ClientSampleId :
3578-CC7DL2

Tot Ion:152 Resp: 186
Ion Ratio Lower Upper
152 100
151 16.1 15.1 22.7

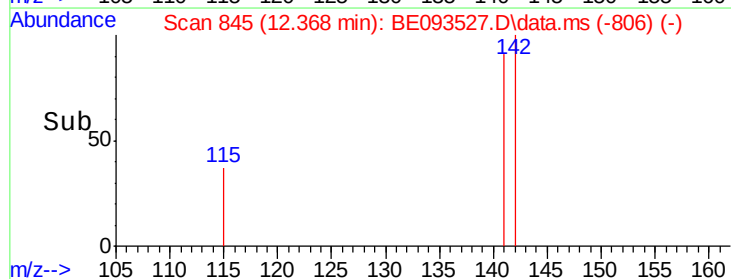
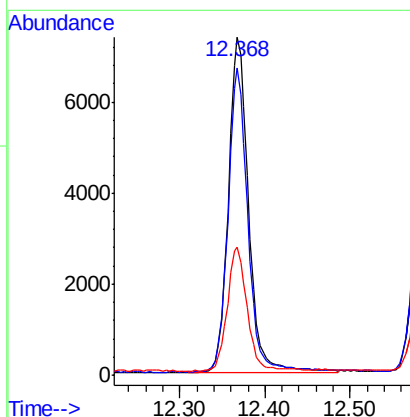
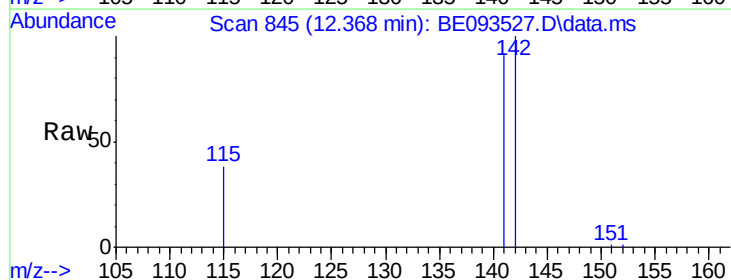
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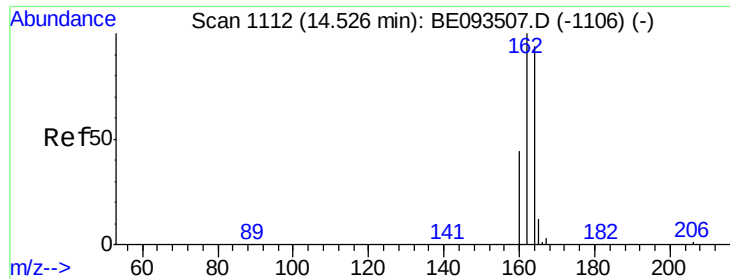
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#12
2-Methylnaphthalene
Concen: 0.46 ng
RT: 12.368 min Scan# 845
Delta R.T. -0.001 min
Lab File: BE093527.D
Acq: 22 Jul 2017 2:41

Tgt Ion:142 Resp: 12236
Ion Ratio Lower Upper
142 100
141 91.0 72.6 108.8
115 37.9 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: BE093527.D

Acq: 22 Jul 2017 2:41

Instrument :

BNA_E

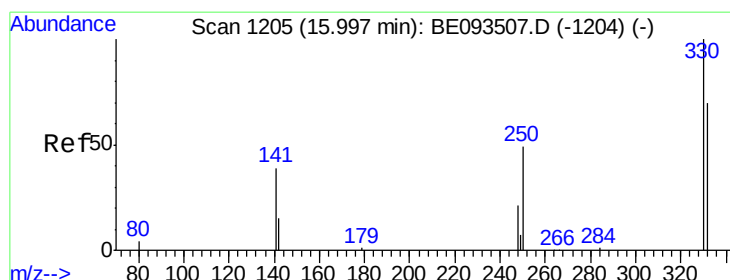
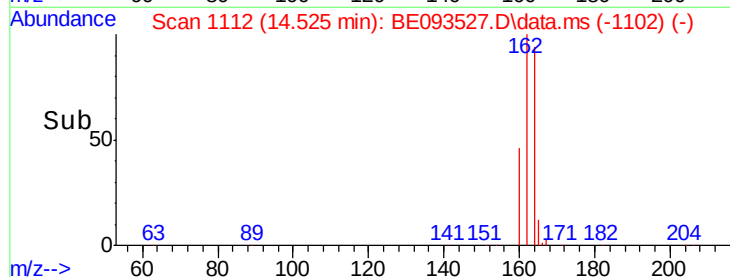
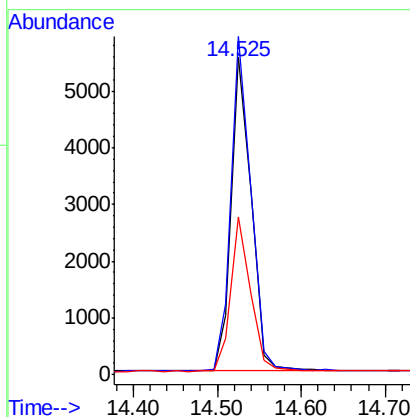
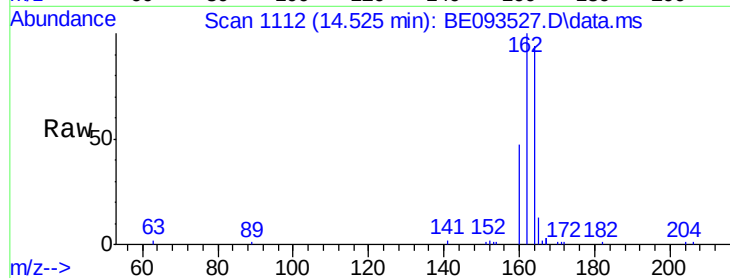
ClientSampleId :

3578-CC7DL2

Tot Ion:	164	Resp:	9041
Ion Ratio	Lower	Upper	
164	100		
162	106.4	84.6	127.0
160	49.6	41.8	62.6

Manual Integrations
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#14

2,4,6-Tribromophenol

Concen: 0.02 ng

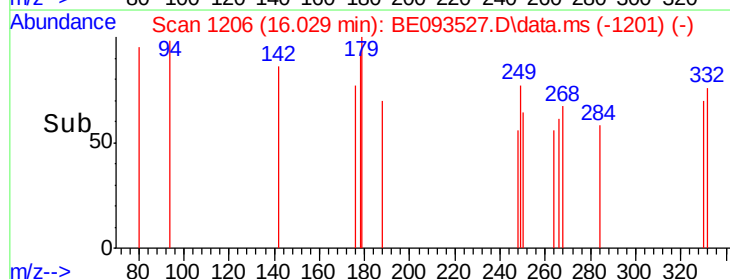
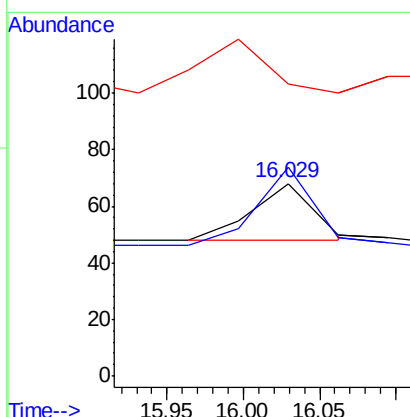
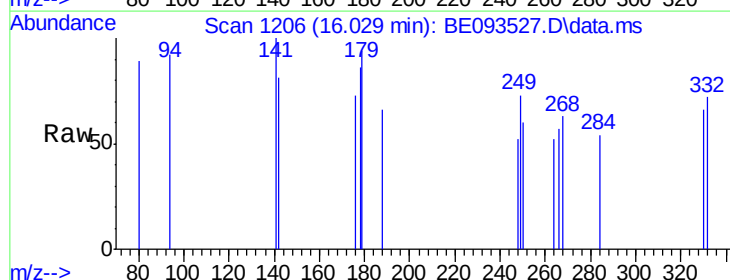
RT: 16.029 min Scan# 1206

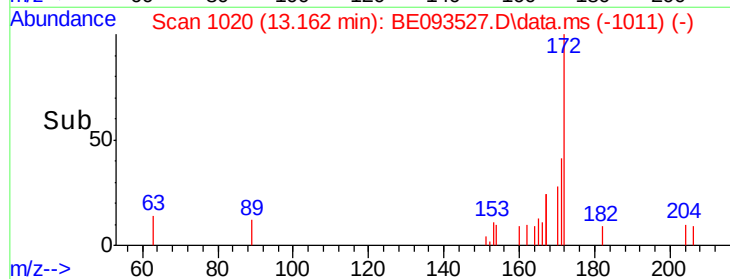
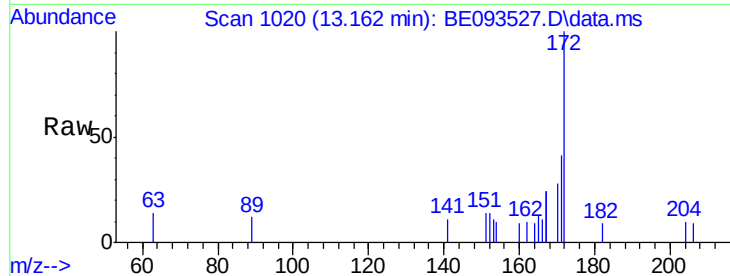
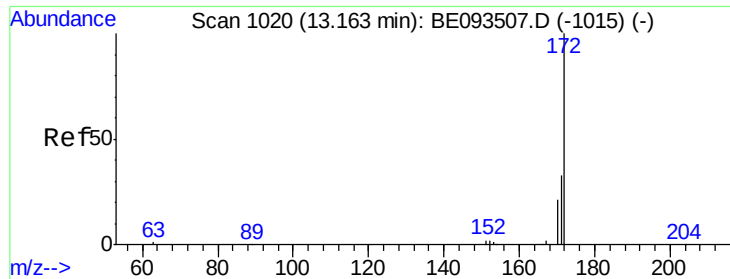
Delta R.T. 0.032 min

Lab File: BE093527.D

Acq: 22 Jul 2017 2:41

Tgt Ion:	330	Resp:	57
Ion Ratio	Lower	Upper	
330	100		
332	126.3	77.7	116.5#
141	0.0	56.2	84.4#





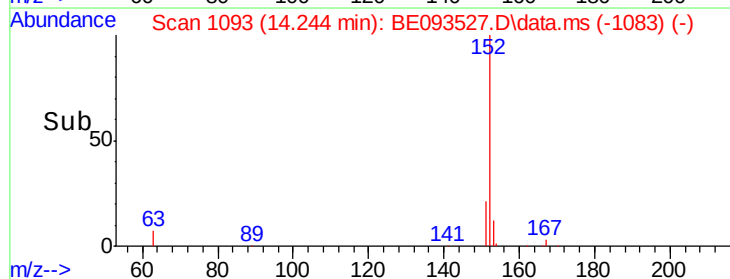
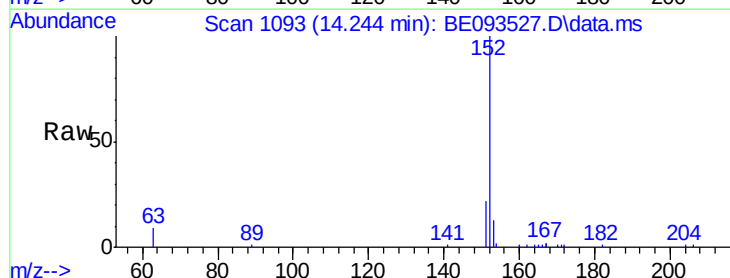
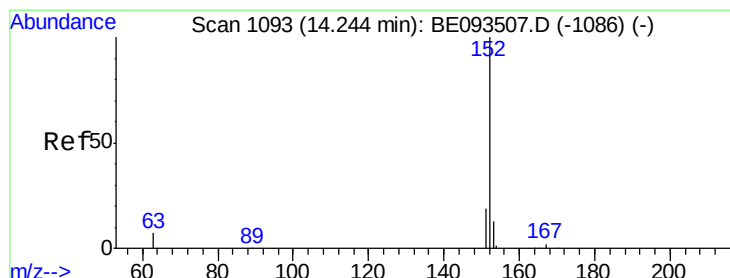
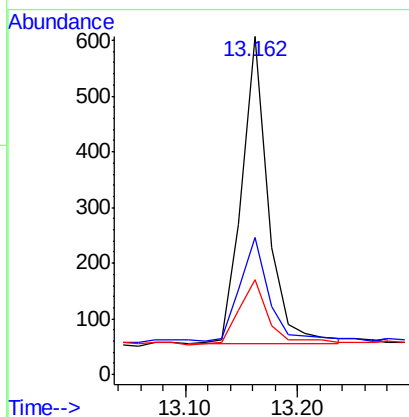
#15
2-Fluorobiphenyl
Concen: 0.03 ng
RT: 13.162 min Scan# 1015
Delta R.T. -0.001 min
Lab File: BE093527.D
Acq: 22 Jul 2017 2:41

Instrument :
BNA_E
ClientSampleId :
3578-CC7DL2

Tot Ion	Ratio	Lower	Upper
172	100		
171	40.5	29.8	44.6
170	28.0	20.7	31.1

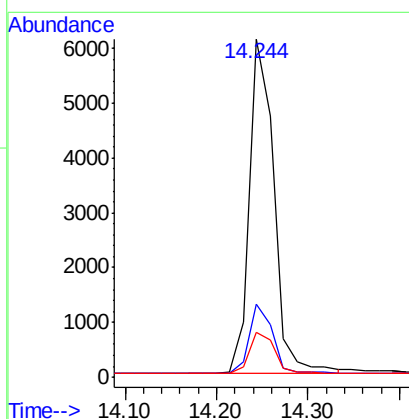
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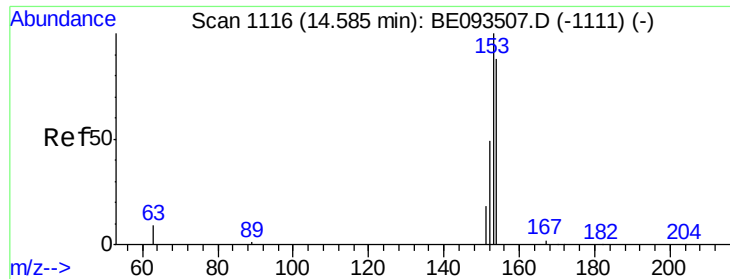
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#16
Acenaphthylene
Concen: 0.25 ng
RT: 14.244 min Scan# 1093
Delta R.T. -0.001 min
Lab File: BE093527.D
Acq: 22 Jul 2017 2:41

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	4.0	6.0#
153	13.0	10.3	15.5





#17

Acenaphthene

Concen: 0.19 ng

RT: 14.584 min Scan# 1116

Delta R.T. -0.001 min

Lab File: BE093527.D

Acq: 22 Jul 2017 2:41

Instrument :

BNA_E

ClientSampleId :

3578-CC7DL2

Tot Ion:154 Resp: 5883

Ion Ratio Lower Upper

154 100

153 113.7 91.2 136.8

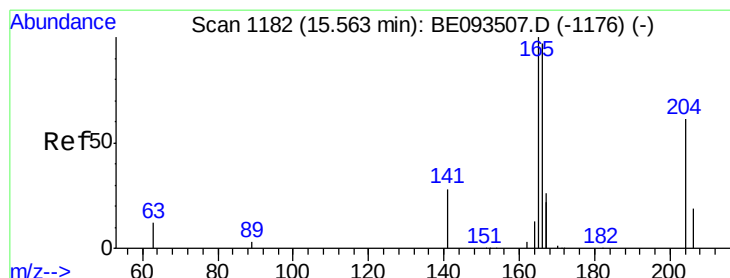
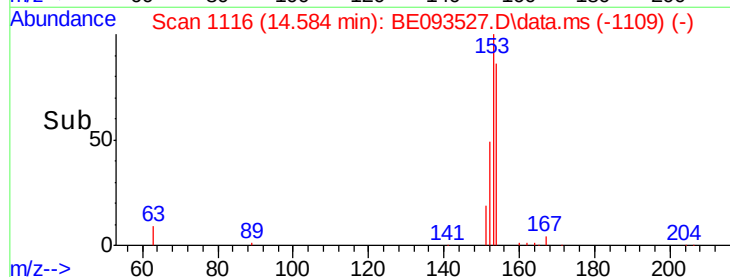
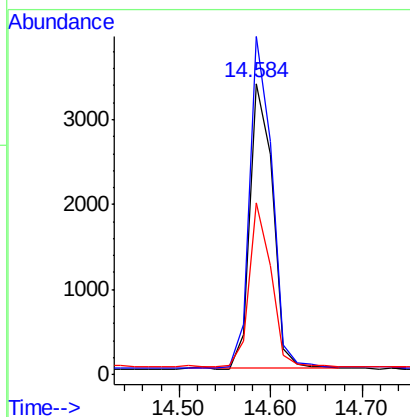
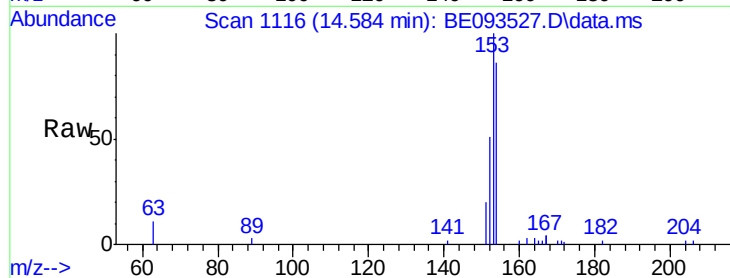
152 54.5 44.8 67.2

Manual Integrations

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#18

Fluorene

Concen: 0.57 ng

RT: 15.577 min Scan# 1183

Delta R.T. 0.014 min

Lab File: BE093527.D

Acq: 22 Jul 2017 2:41

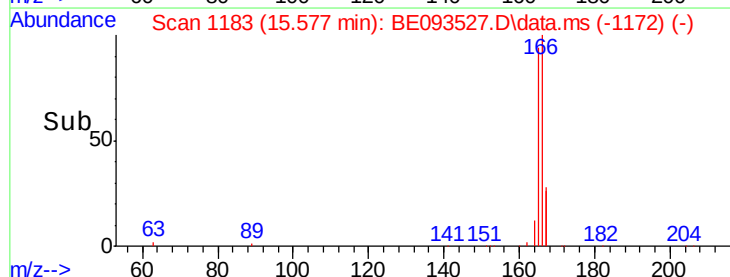
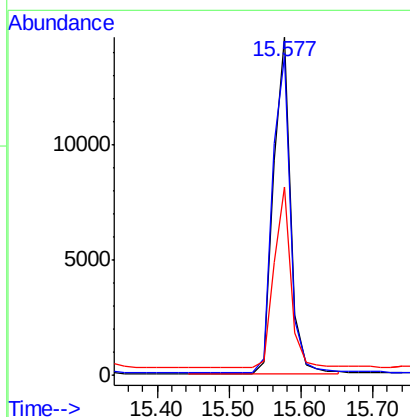
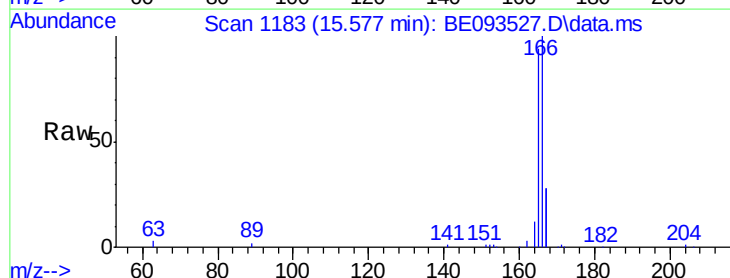
Tgt Ion:166 Resp: 24680

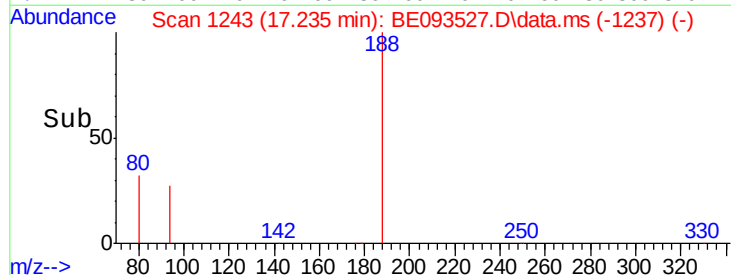
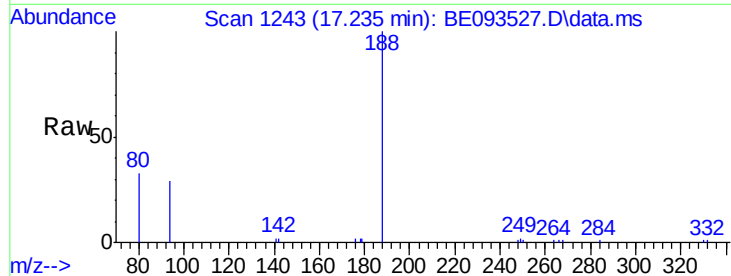
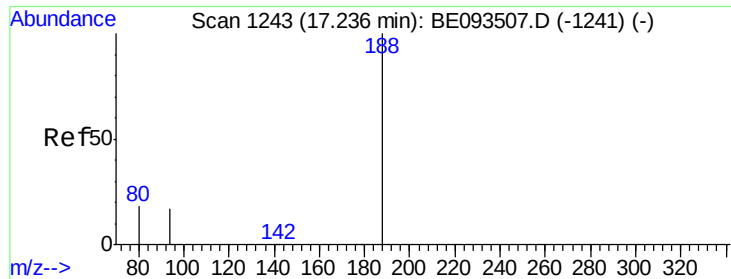
Ion Ratio Lower Upper

166 100

165 98.3 78.6 117.8

167 51.9 11.1 16.7#





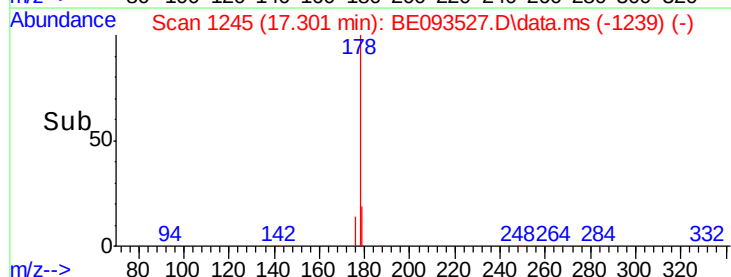
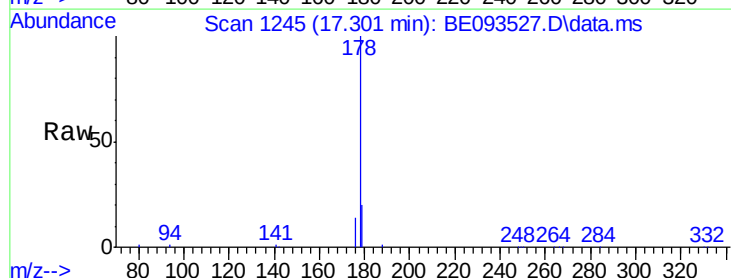
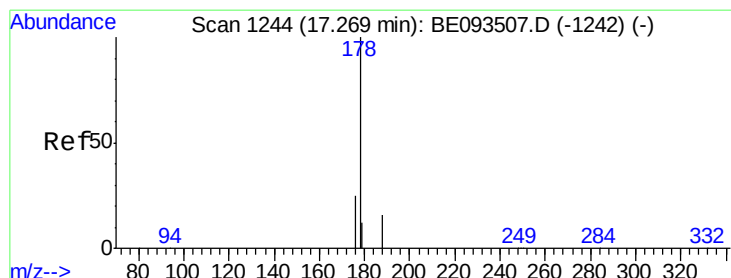
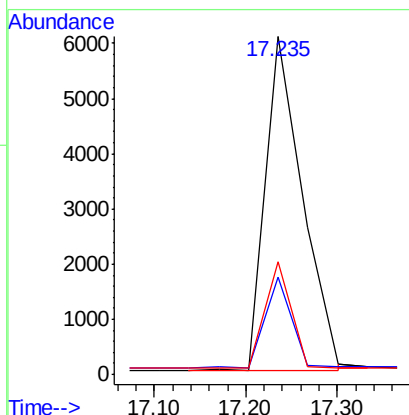
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.235 min Scan# 1243
Delta R.T. -0.001 min
Lab File: BE093527.D
Acq: 22 Jul 2017 2:41

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	28.7	11.3	16.9#
80	33.2	11.7	17.5#

Instrument :
BNA_E
ClientSampleId :
3578-CC7DL2

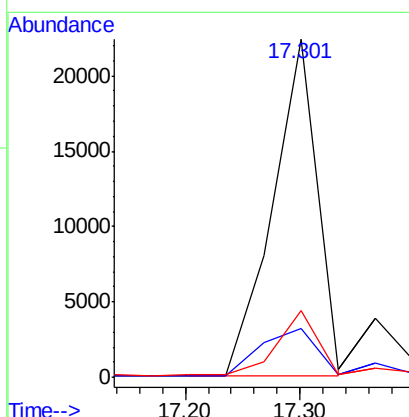
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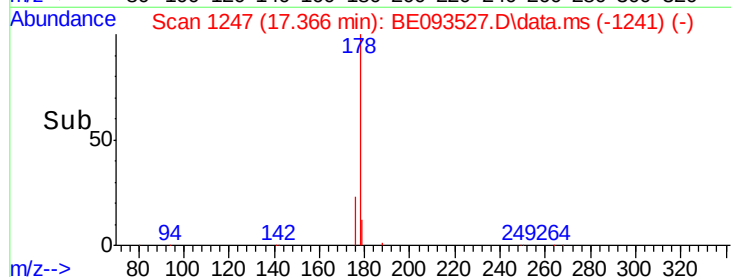
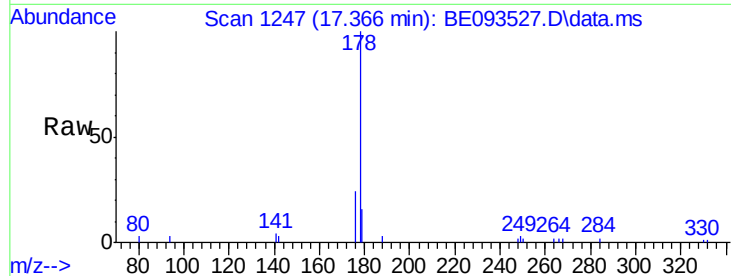
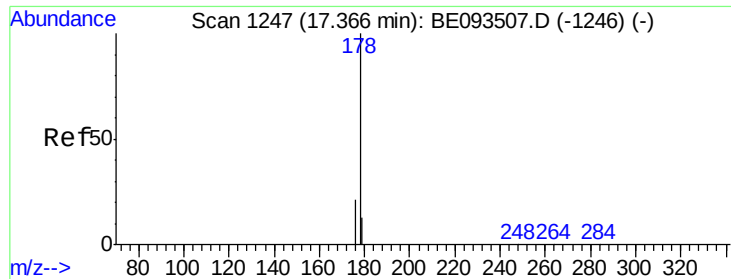
Sohil
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#23
Phenanthrene
Concen: 1.55 ng
RT: 17.301 min Scan# 1245
Delta R.T. 0.032 min
Lab File: BE093527.D
Acq: 22 Jul 2017 2:41

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	17.5	15.0	22.4
179	17.0	12.7	19.1





#24

Anthracene

Concen: 0.17 ng/ml

RT: 17.366 min Scan# 1247

Delta R.T. -0.001 min

Lab File: BE093527.D

Acq: 22 Jul 2017 2:41

Instrument :

BNA_E

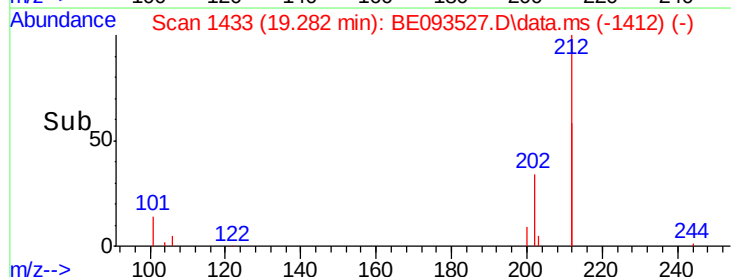
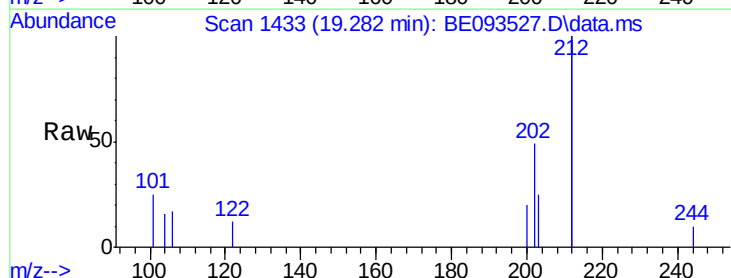
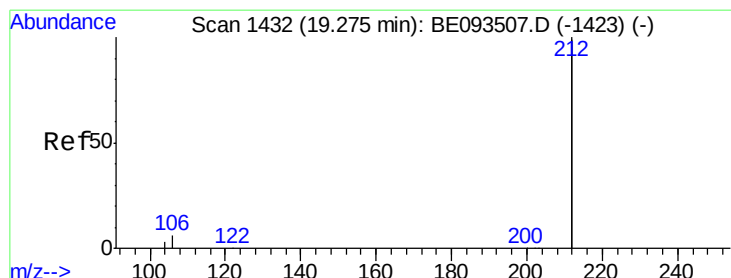
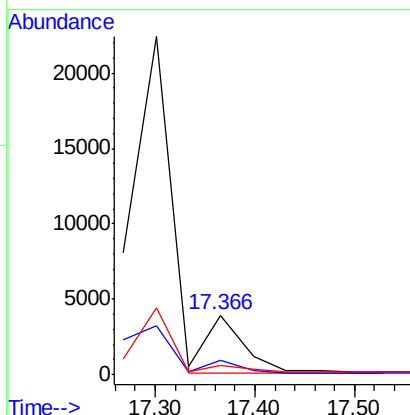
ClientSampleID :

3578-CC7DL2

Tot Ion:	178	Resp:	10313
Ion Ratio	Lower	Upper	
178	100		
176	121.7	14.6	22.0#
179	112.1	12.0	18.0#

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#25

Fluoranthene-d10

Concen: 0.01 ng/ml

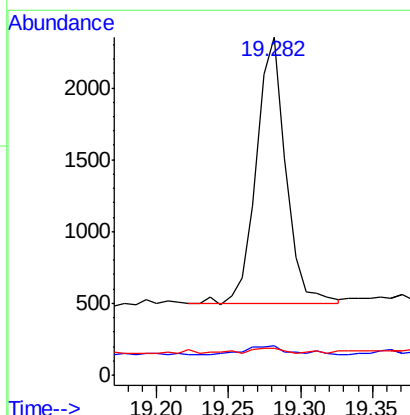
RT: 19.282 min Scan# 1433

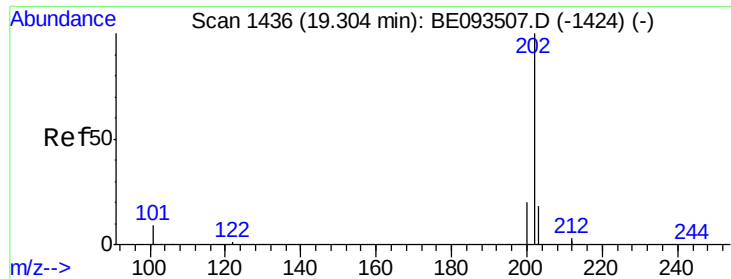
Delta R.T. 0.007 min

Lab File: BE093527.D

Acq: 22 Jul 2017 2:41

Tgt Ion:	212	Resp:	2645
Ion Ratio	Lower	Upper	
212	100		
106	4.3	2.4	3.6#
104	2.3	1.6	2.4





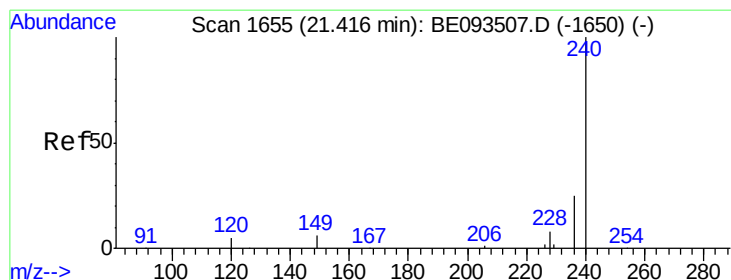
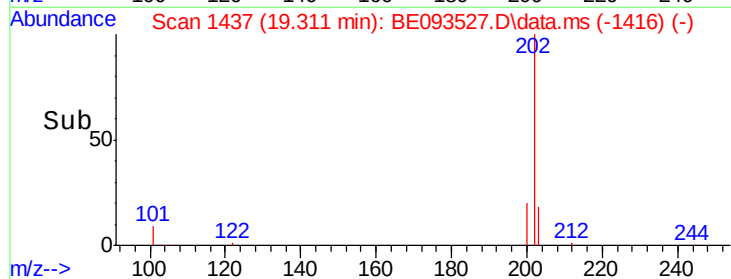
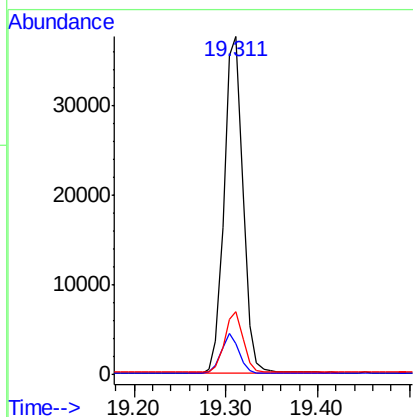
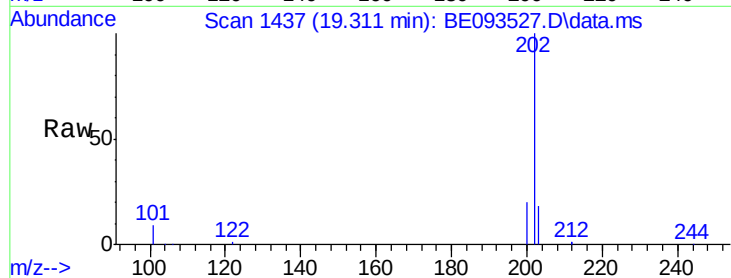
#26
Fluoranthene
Concen: 0.65 ng
RT: 19.311 min Scan# 1436
Delta R.T. 0.007 min
Lab File: BE093527.D
Acq: 22 Jul 2017 2:41

Instrument :
BNA_E
ClientSampleId :
3578-CC7DL2

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

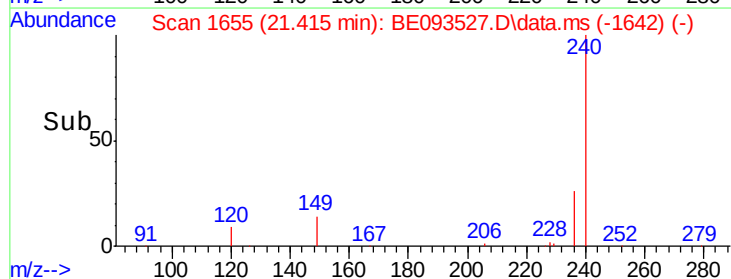
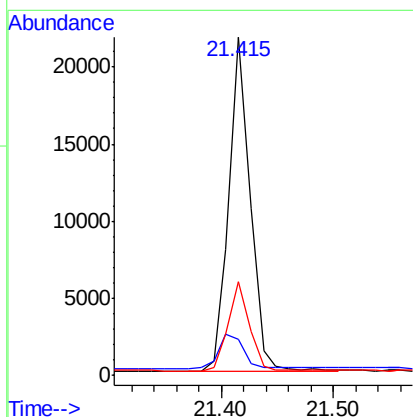
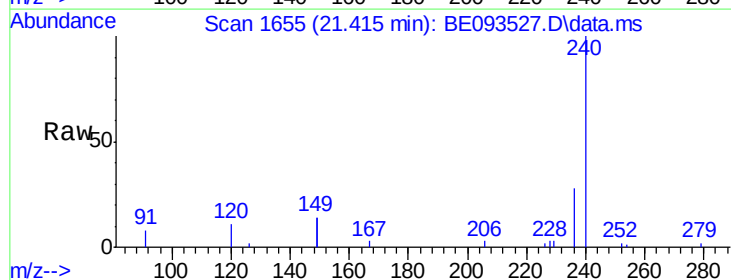
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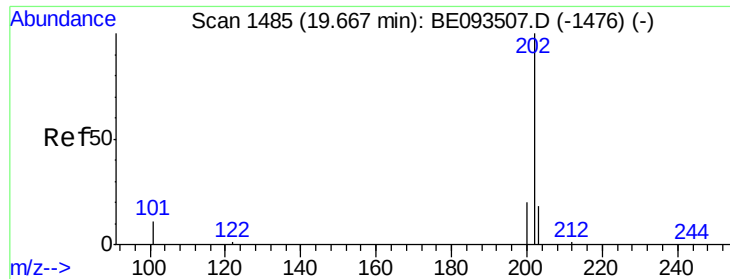
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#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.415 min Scan# 1655
Delta R.T. -0.001 min
Lab File: BE093527.D
Acq: 22 Jul 2017 2:41

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.6	4.6	7.0#
236	27.6	20.8	31.2





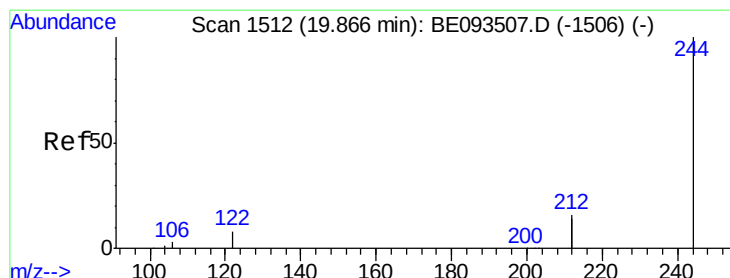
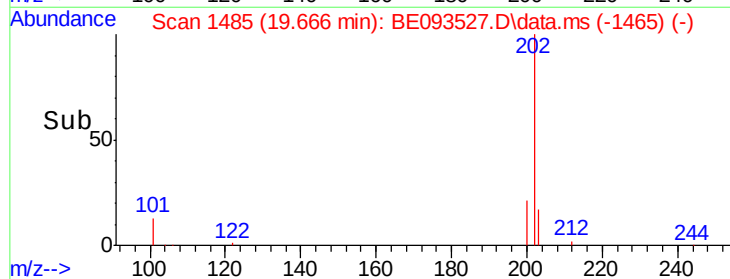
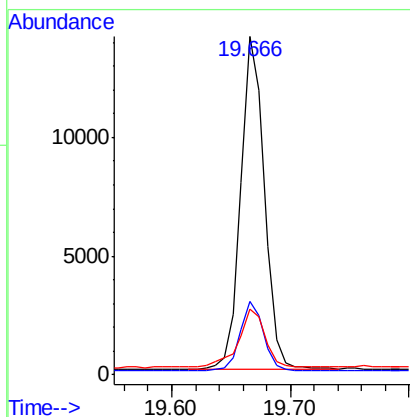
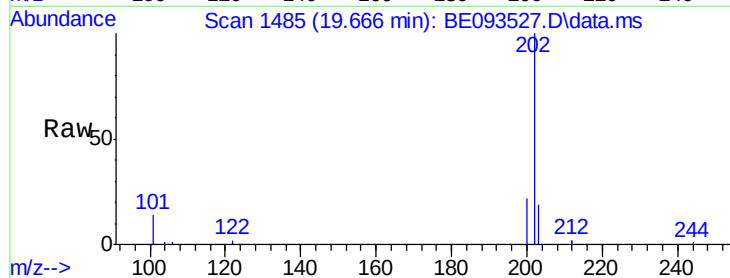
#28
Pvrene
Concen: 0.21 ng
RT: 19.666 min Scan# 1485
Delta R.T. -0.001 min
Lab File: BE093527.D
Acq: 22 Jul 2017 2:41

Instrument :
BNA_E
ClientSampleId :
3578-CC7DL2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.6	0.0	0.0#
203	19.5	13.7	20.5

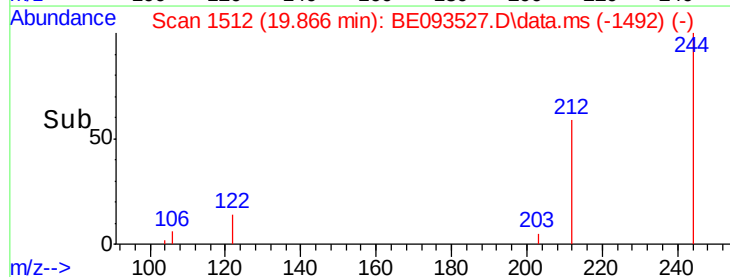
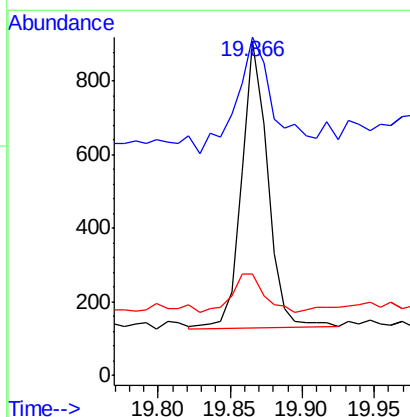
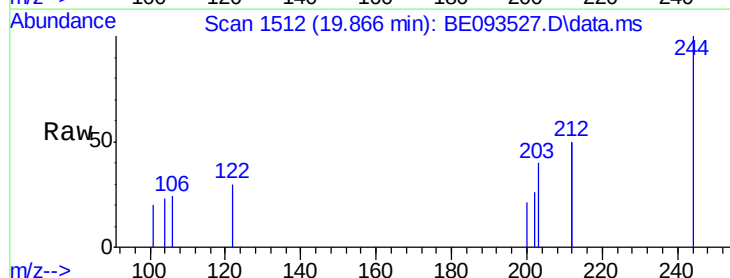
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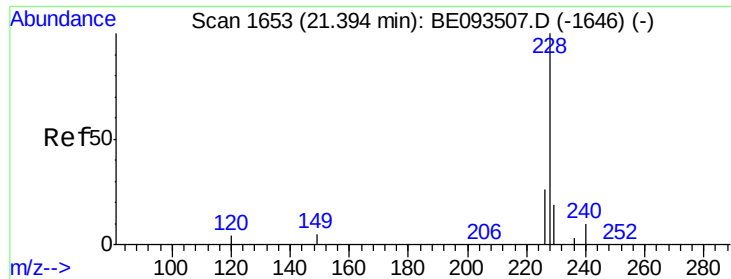
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#29
Terphenyl-d14
Concen: 0.02 ng
RT: 19.866 min Scan# 1512
Delta R.T. -0.001 min
Lab File: BE093527.D
Acq: 22 Jul 2017 2:41

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	101.0	10.6	16.0#
122	30.3	15.4	23.0#





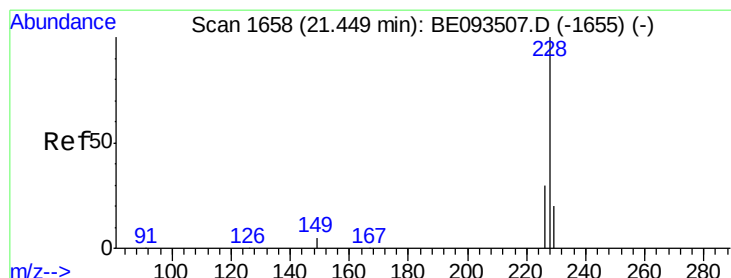
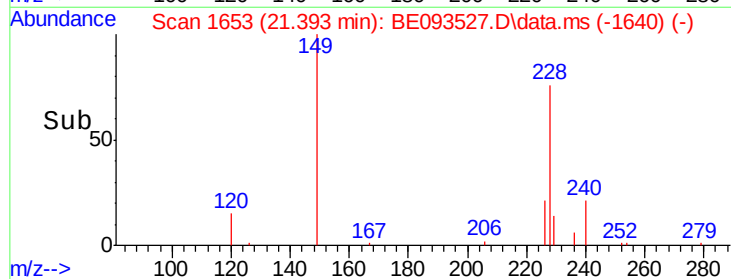
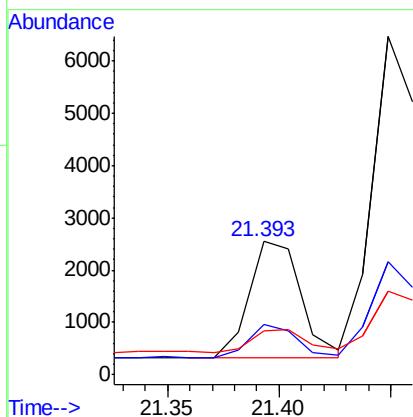
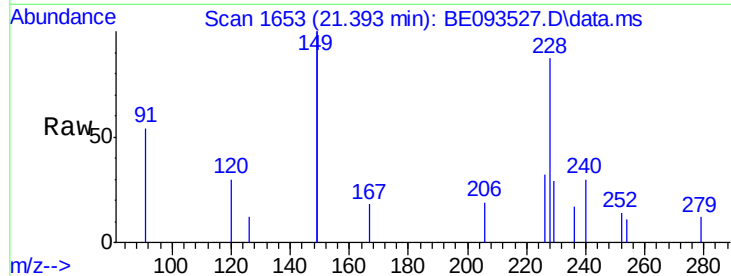
#30
Benzo(a)anthracene
Concen: 0.04 ng
RT: 21.393 min Scan# 1653
Delta R.T. -0.001 min
Lab File: BE093527.D
Acq: 22 Jul 2017 2:41

Instrument :
BNA_E
ClientSampleId :
3578-CC7DL2

Tot Ion	Ratio	Lower	Upper
228	100		
226	37.2	19.7	29.5#
229	32.9	19.2	28.8#

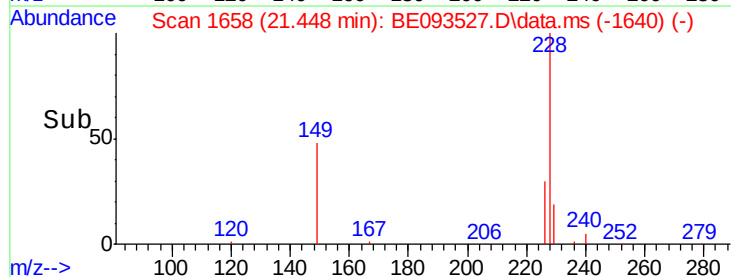
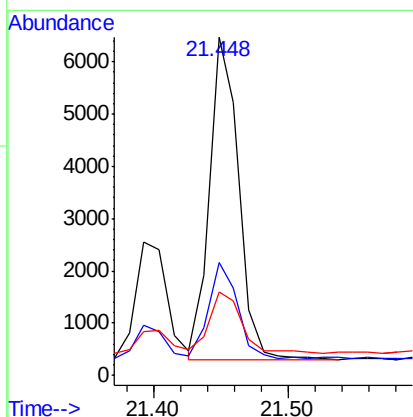
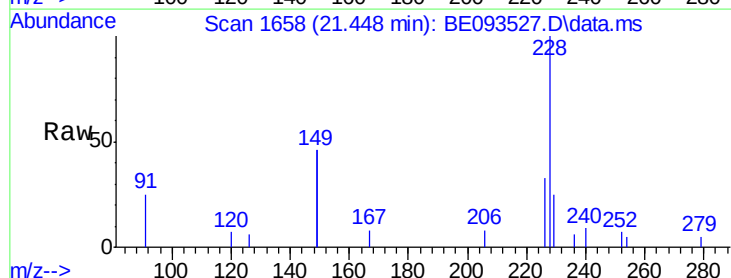
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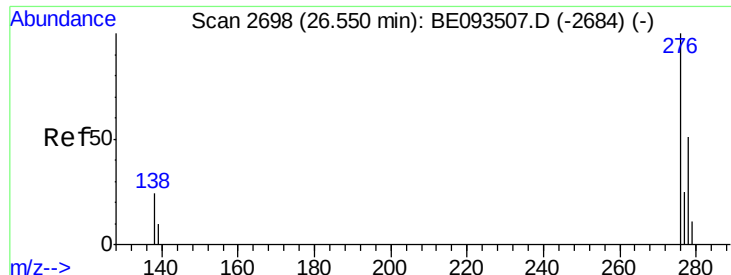
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#31
Chrysene
Concen: 0.10 ng
RT: 21.448 min Scan# 1658
Delta R.T. -0.001 min
Lab File: BE093527.D
Acq: 22 Jul 2017 2:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.4	21.5	32.3#
229	24.6	18.6	28.0





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 26.564 min Scan# 27

Delta R.T. 0.014 min

Lab File: BE093527.D

Acq: 22 Jul 2017 2:41

Instrument :

BNA_E

ClientSampleId :

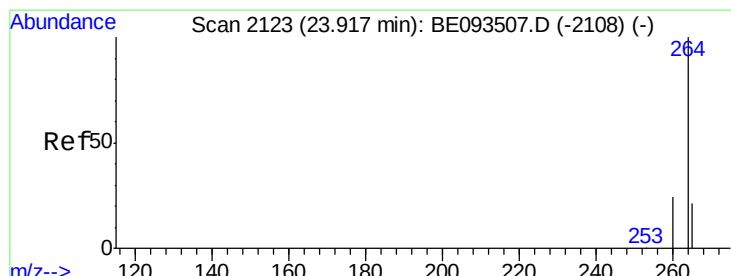
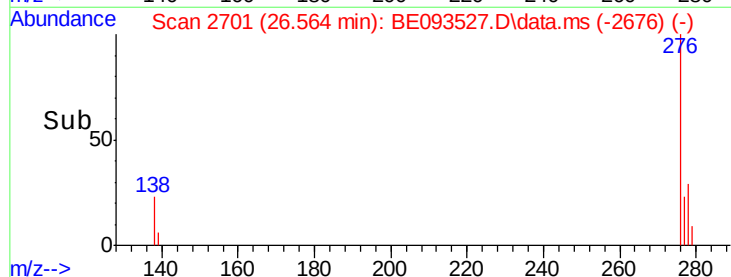
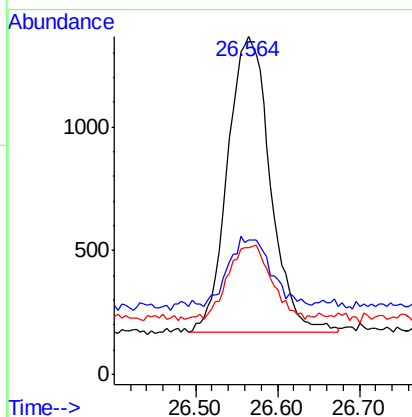
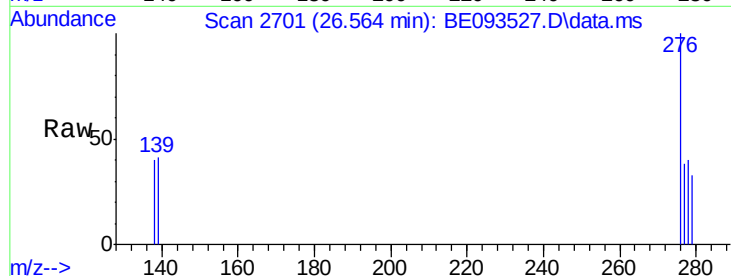
3578-CC7DL2

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.0	27.4	41.2#
277	25.7	20.1	30.1

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#34

Perylene-d12

Concen: 0.40 ng

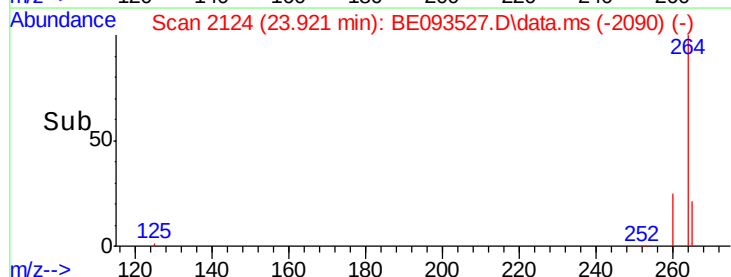
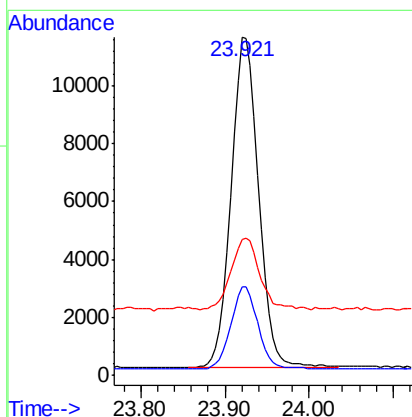
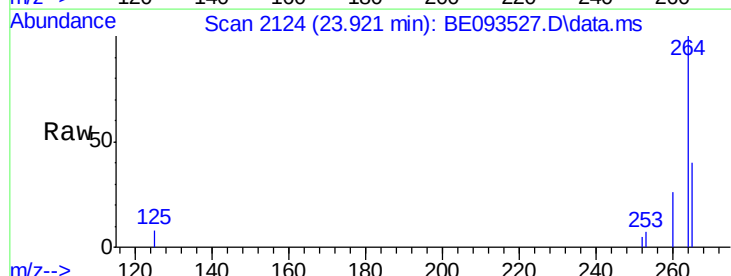
RT: 23.921 min Scan# 2124

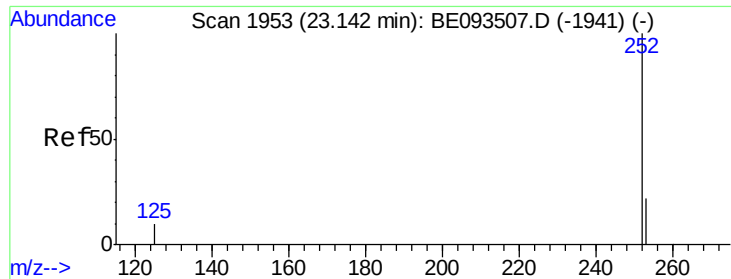
Delta R.T. 0.004 min

Lab File: BE093527.D

Acq: 22 Jul 2017 2:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.1	21.0	31.4
265	40.3	24.6	36.8#





#35

Benzo(b)fluoranthene

Concen: 0.06 ng

RT: 23.151 min Scan# 19

Delta R.T. 0.008 min

Lab File: BE093527.D

Acq: 22 Jul 2017 2:41

Instrument :

BNA_E

ClientSampleId :

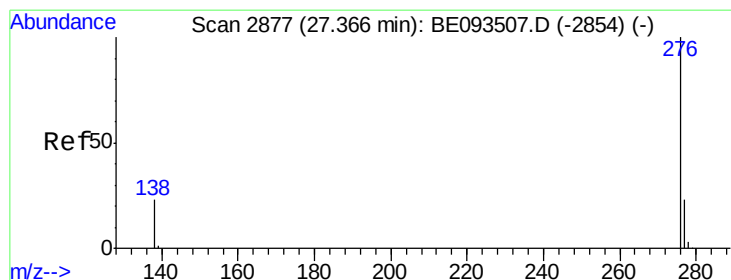
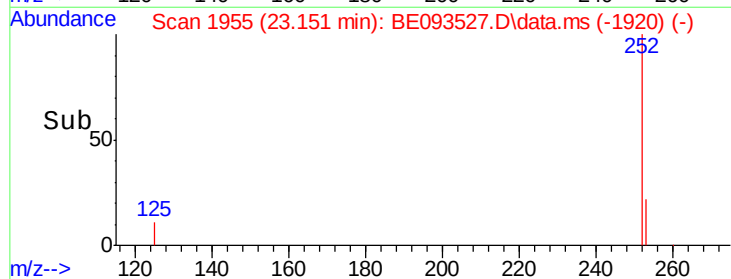
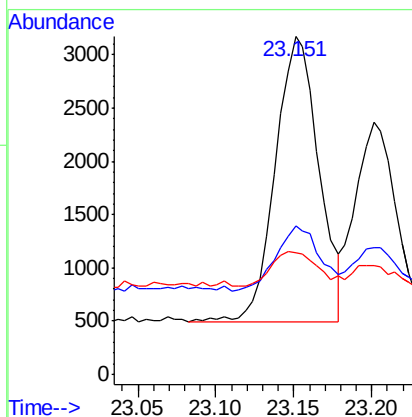
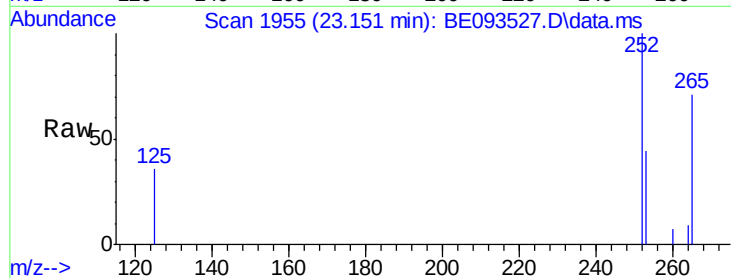
3578-CC7DL2

Tot Ion:252	Resp:	5185
Ion Ratio	Lower	Upper
252 100		
253 43.9	18.5	27.7#
125 36.1	13.4	20.0#

Manual Integrations
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#39

Benzo(g,h,i)perylene

Concen: 0.02 ng

RT: 27.385 min Scan# 2881

Delta R.T. 0.019 min

Lab File: BE093527.D

Acq: 22 Jul 2017 2:41

Tgt Ion:276	Resp:	1616
Ion Ratio	Lower	Upper
276 100		
277 50.9	21.2	31.8#
138 57.4	24.5	36.7#

