

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080317\
 Data File : BE093656.D
 Acq On : 3 Aug 2017 13:58
 Operator : SJ/JU
 Sample : I4425-13
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CSSB-32-1

Manual Integrations
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 8/4/2017 5:29:11 PM

Quant Time: Aug 04 04:40:06 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	7.92	152	3676	0.40	ng	-0.01
7) Naphthalene-d8	10.71	136	18084	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	10230	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	25677	0.40	ng	0.00
27) Chrysene-d12	21.40	240	26999	0.40	ng	-0.01
34) Perylene-d12	23.91	264	24665	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.51	112	3229	0.29	ng	0.00
5) Phenol-d6	7.09	99	4890	0.30	ng	-0.01
8) Nitrobenzene-d5	9.06	82	3938	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	7025	0.25	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	640	0.32	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	10077	0.25	ng	-0.02
25) Fluoranthene-d10	19.27	212	73810	0.25	ng	0.00
29) Terphenyl-d14	19.86	244	12876	0.27	ng	0.00
Target Compounds						Qvalue
23) Phenanthrene	17.27	178	1995	0.035	ng	93
24) Anthracene	17.37	178	1834	0.024	ng	95
26) Fluoranthene	19.30	202	7204	0.080	ng	98
28) Pyrene	19.66	202	8367	0.096	ng	# 93
30) Benzo(a)anthracene	21.39	228	5503	0.069	ng	# 92
31) Chrysene	21.45	228	5295m	0.060	ng	
32) Bis(2-ethylhexyl)phthalate	21.30	149	35315	0.326	ng	98
33) Indeno(1,2,3-cd)pyrene	26.55	276	3403	0.042	ng	93
35) Benzo(b)fluoranthene	23.14	252	4999	0.057	ng	# 68
36) Benzo(k)fluoranthene	23.19	252	3089	0.034	ng	# 61
37) Benzo(a)pyrene	23.79	252	3919	0.049	ng	# 63
38) Dibenzo(a,h)anthracene	26.56	278	2176	0.028	ng	# 51
39) Benzo(a,h,i)perylene	27.36	276	3441	0.044	ng	# 84

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

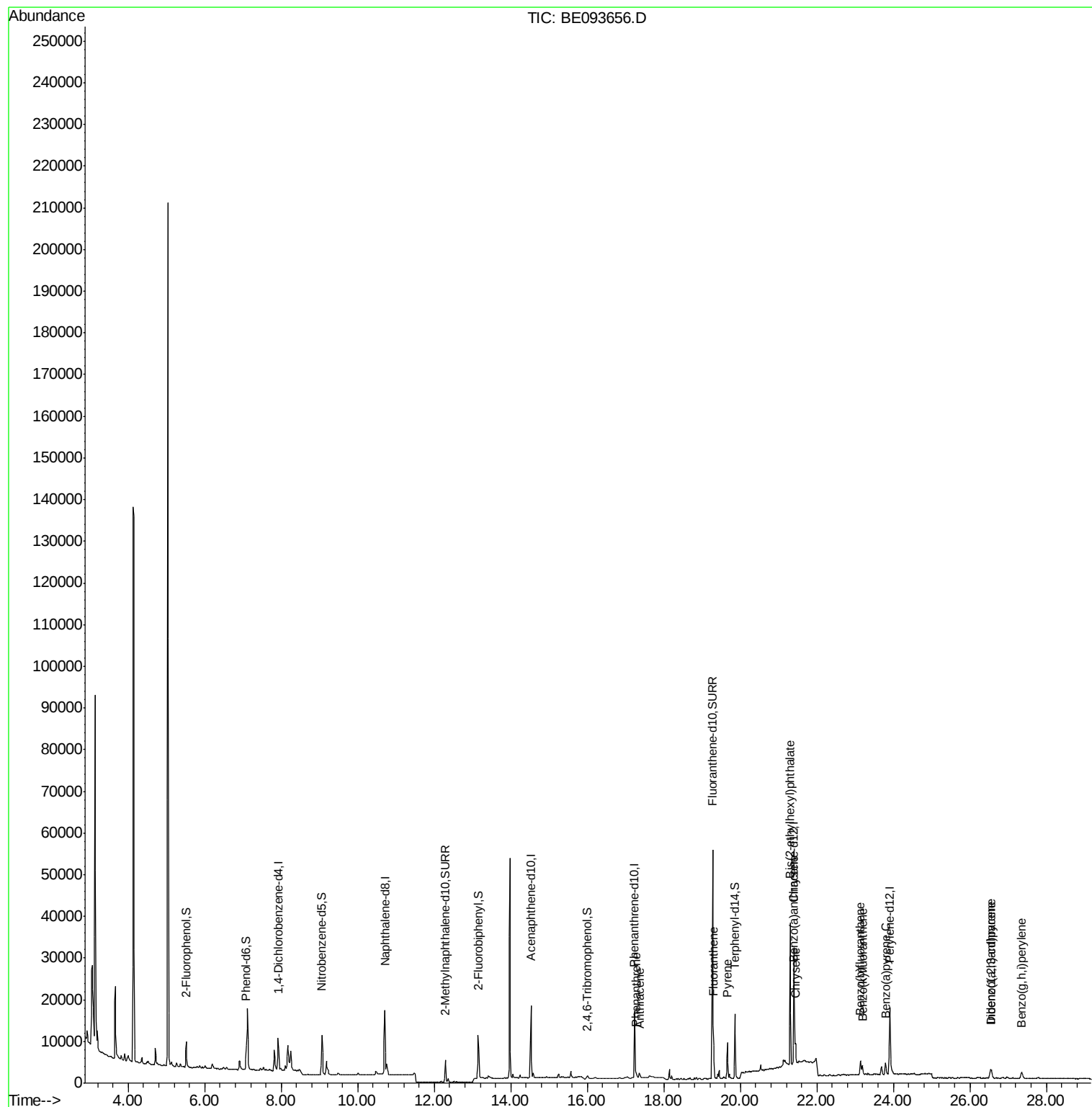
Data Path : Z:\HPCHEM1\BNA E\DATA\BE080317\
Data File : BE093656.D
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Misc :
ALS Vial : 9 Sample Multiplier: 1

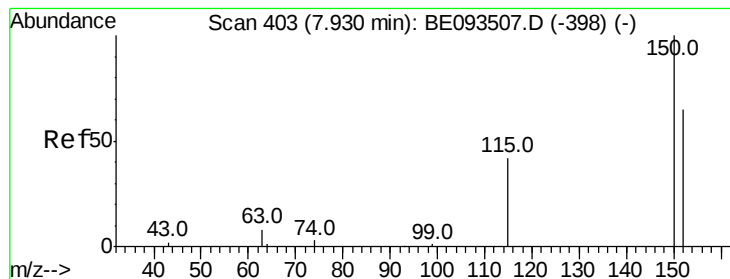
Instrument :
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CSSB-32-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.92 min Scan# 402

Delta R.T. -0.01 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

Instrument :

BNA_E

ClientSampleId :

CSSB-32-1

Tot Ion:152 Resp: 3676

Ion Ratio Lower Upper

152 100

150 159.4 125.1 187.7

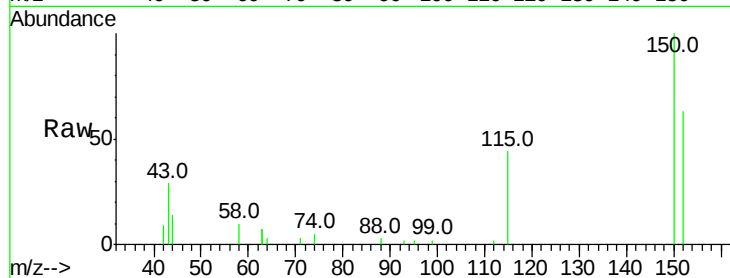
115 70.8 55.7 83.5

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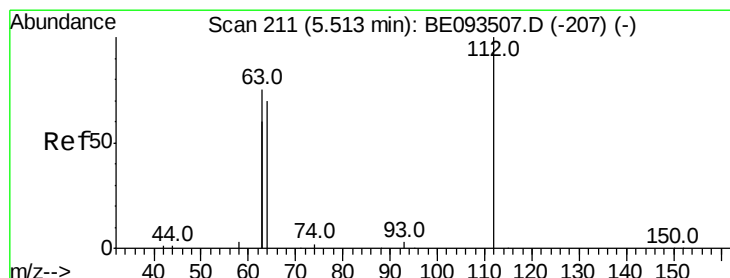
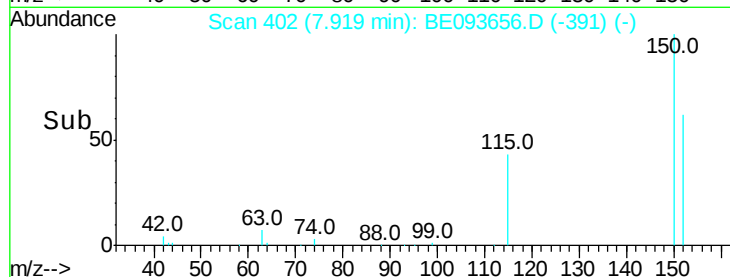
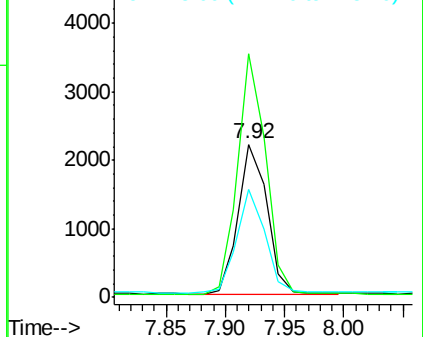
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.295 ng

RT: 5.51 min Scan# 211

Delta R.T. 0.00 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

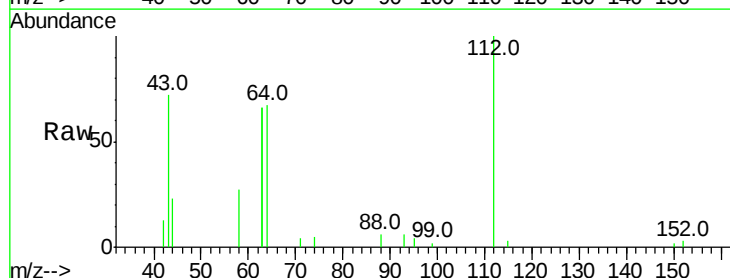
Tgt Ion:112 Resp: 3229

Ion Ratio Lower Upper

112 100

64 71.7 56.4 84.6

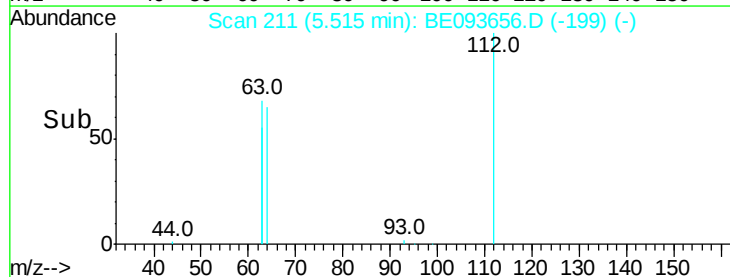
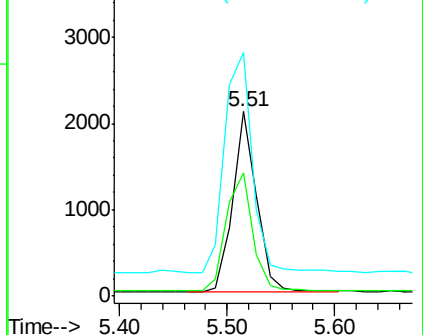
63 139.2 29.3 43.9#

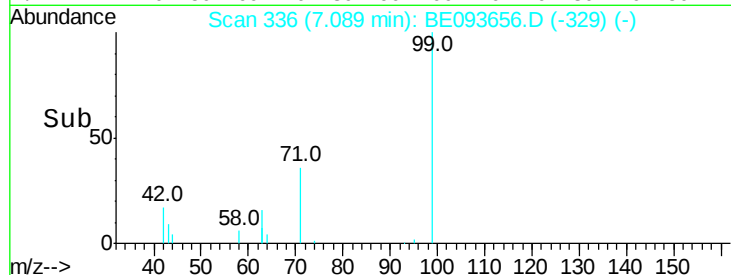
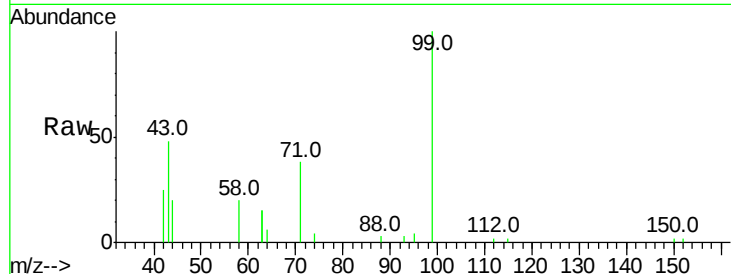
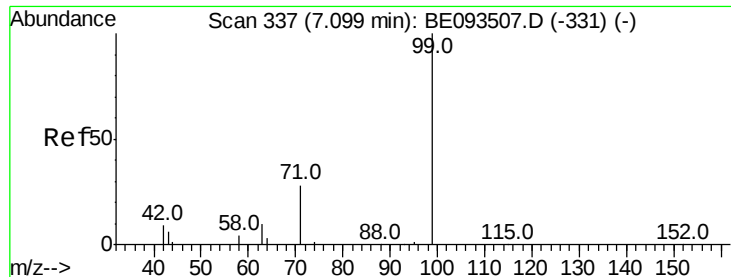


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





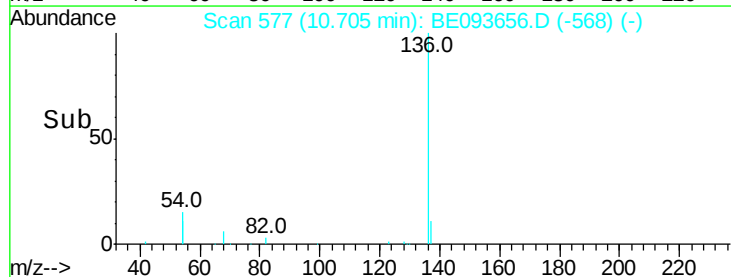
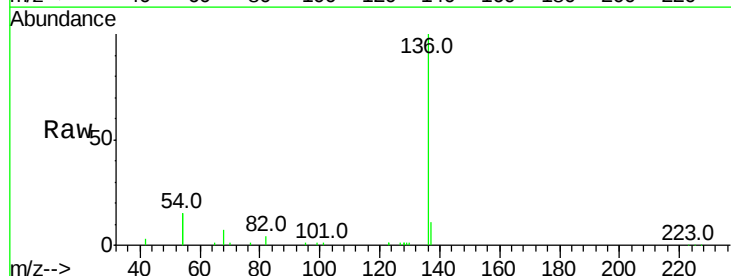
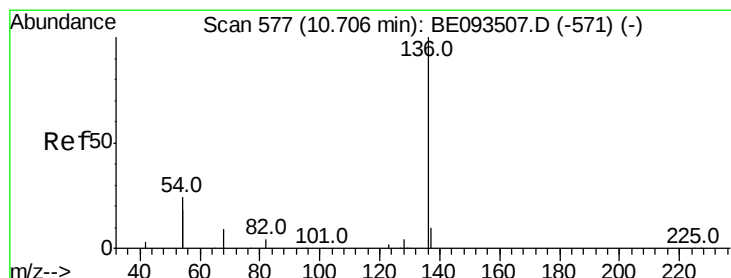
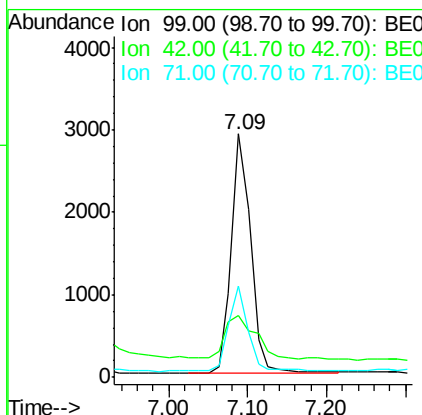
#5
Phenol-d6
Concen: 0.297 ng
RT: 7.09 min Scan# 336
Delta R.T. -0.01 min
Lab File: BE093656.D
Acq: 3 Aug 2017 13:58

Tot Ion	Ratio	Resp	Lower	Upper
99	100	4890		
42	33.8	0.0	0.0#	
71	34.1	0.0	0.0#	

Instrument :
BNA_E
ClientSampleId :
CSSB-32-1

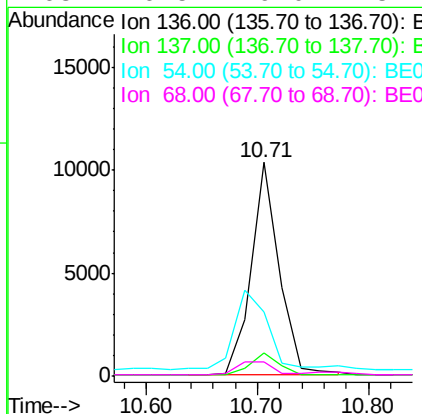
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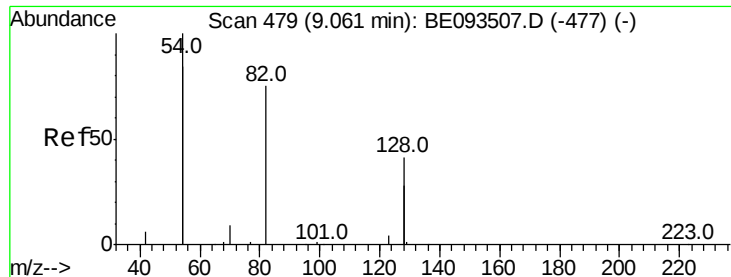
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.71 min Scan# 577
Delta R.T. -0.00 min
Lab File: BE093656.D
Acq: 3 Aug 2017 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	18084		
137	11.0	9.8	14.8	
54	29.7	10.3	15.5#	
68	6.5	9.0	13.4#	





#8

Nitrobenzene-d5

Concen: 0.285 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

Instrument :

BNA_E

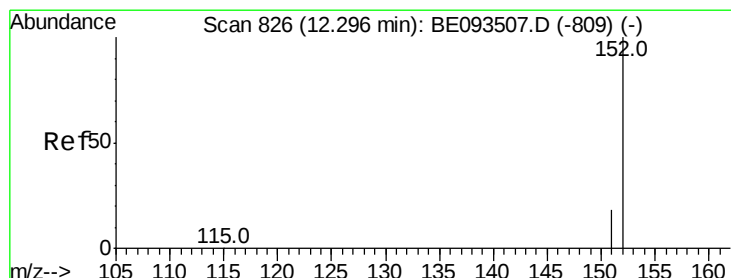
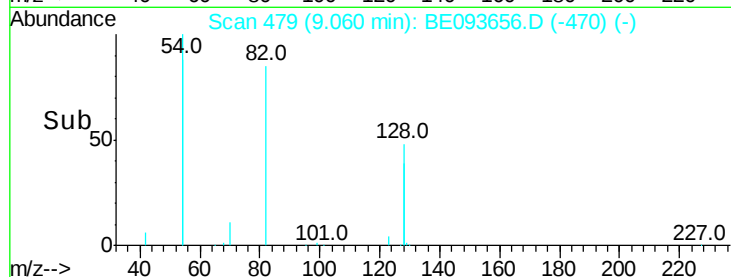
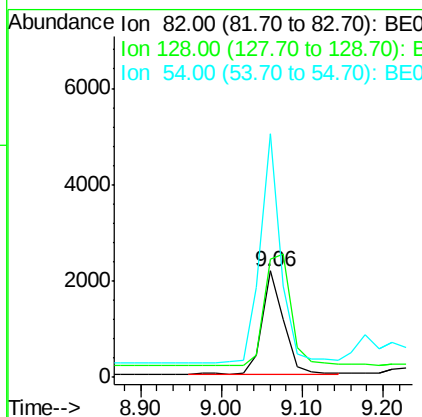
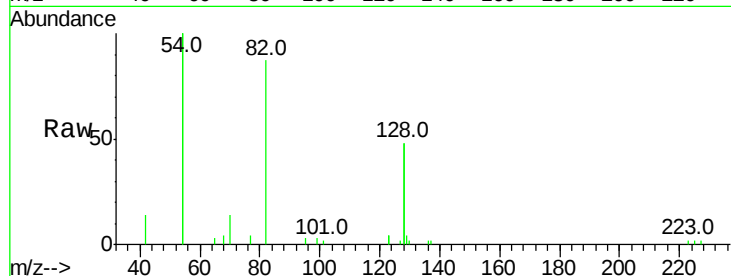
ClientSampleId :

CSSB-32-1

Tot Ion:	82	Resp:	3938
Ion Ratio	Lower	Upper	
82	100		
128	110.7	17.0	25.4#
54	229.2	53.8	80.6#

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#11

2-Methylnaphthalene-d10

Concen: 0.246 ng

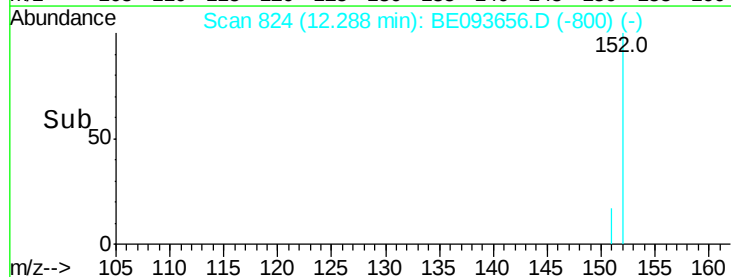
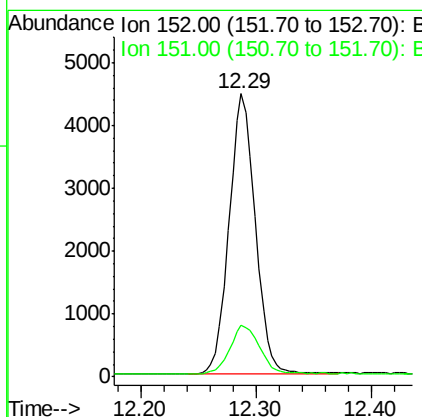
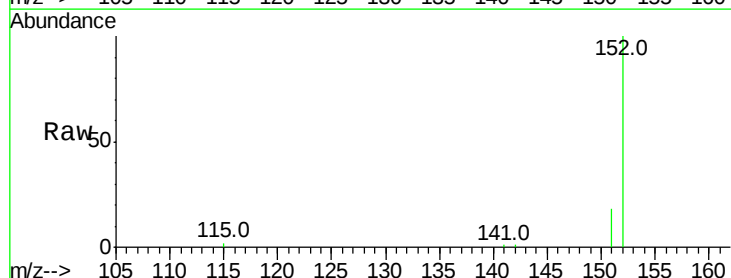
RT: 12.29 min Scan# 824

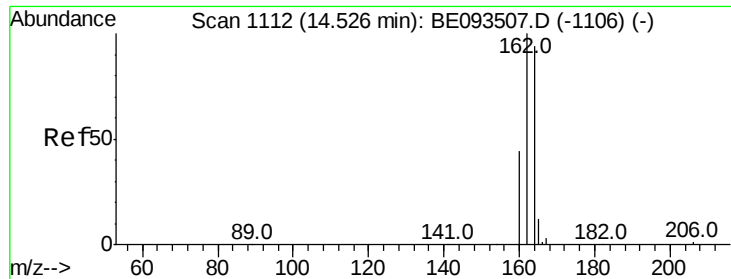
Delta R.T. -0.01 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

Tgt Ion:	152	Resp:	7025
Ion Ratio	Lower	Upper	
152	100		
151	19.0	15.1	22.7





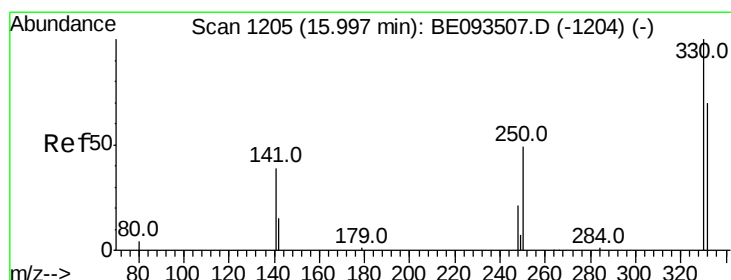
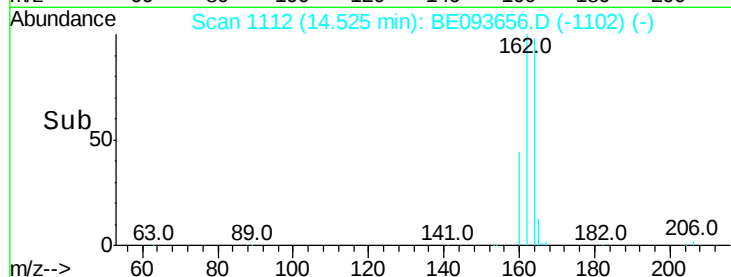
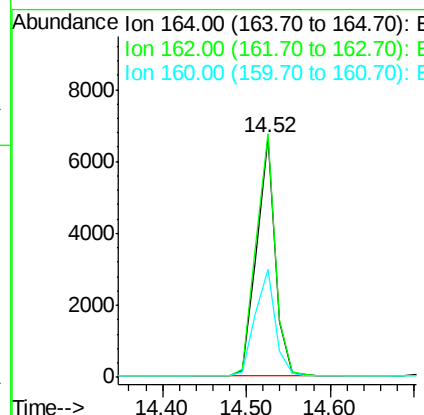
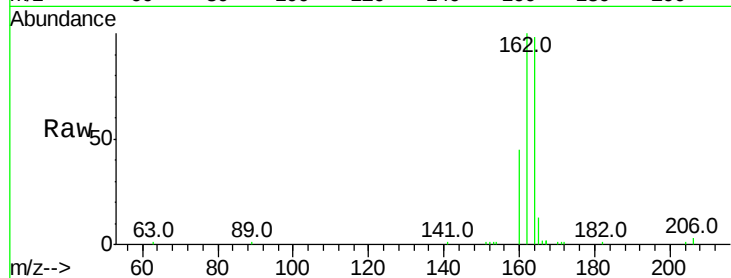
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.52 min Scan# 1112
 Delta R.T. -0.00 min
 Lab File: BE093656.D
 Acq: 3 Aug 2017 13:58

Instrument :
 BNA_E
 ClientSampled :
 CSSB-32-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	84.6	127.0
160	45.3	41.8	62.6

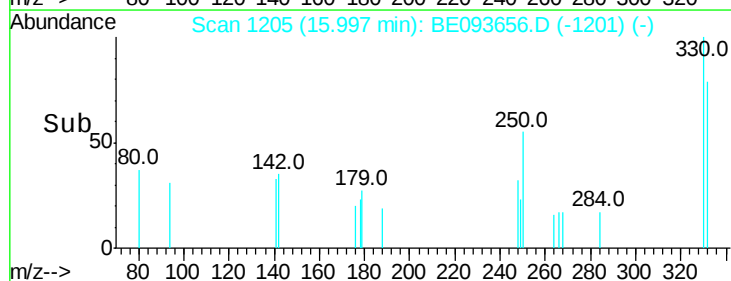
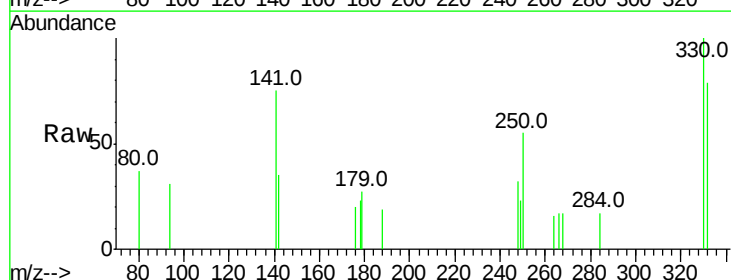
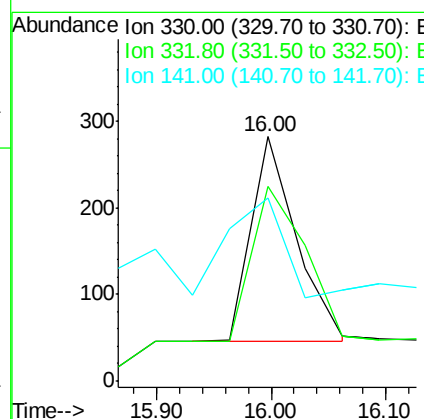
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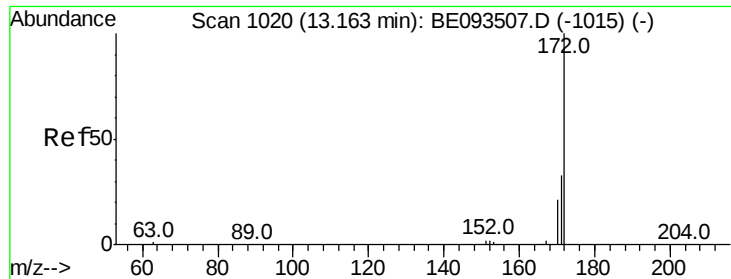
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#14
 2,4,6-Tribromophenol
 Concen: 0.316 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BE093656.D
 Acq: 3 Aug 2017 13:58

Tgt Ion	Ratio	Lower	Upper
330	100		
332	90.8	77.7	116.5
141	59.8	56.2	84.4





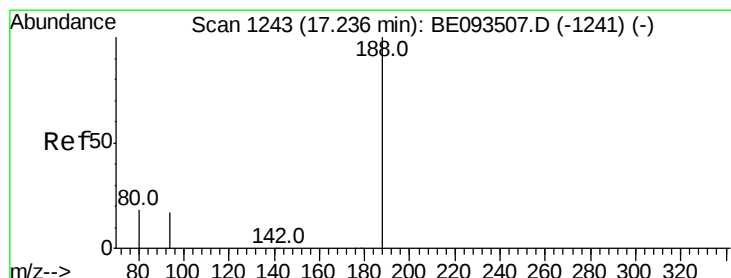
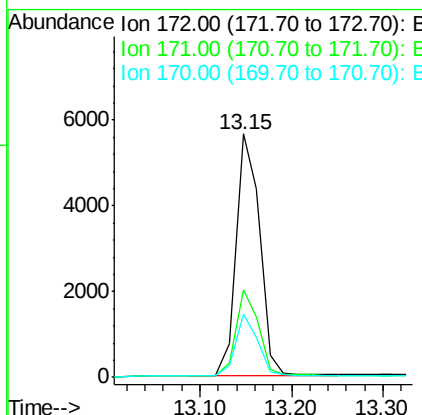
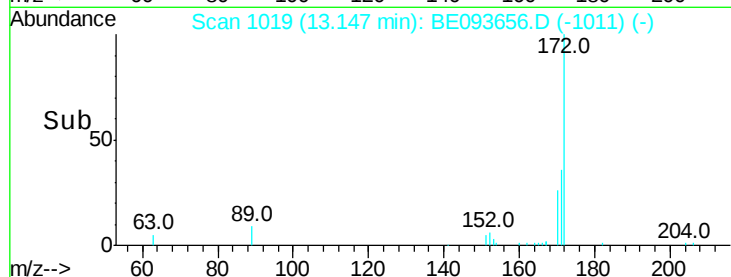
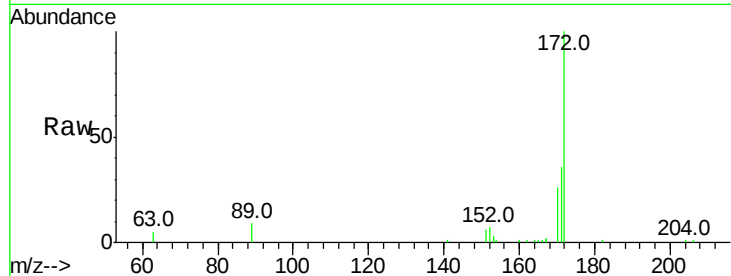
#15
2-Fluorobiphenyl
Concen: 0.246 ng
RT: 13.15 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BE093656.D
Acq: 3 Aug 2017 13:58

Instrument :
BNA_E
ClientSampled :
CSSB-32-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.8	44.6
170	25.7	20.7	31.1

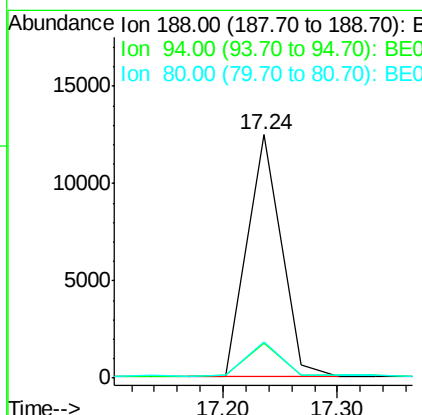
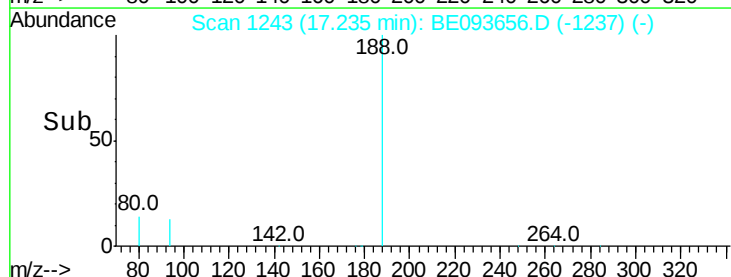
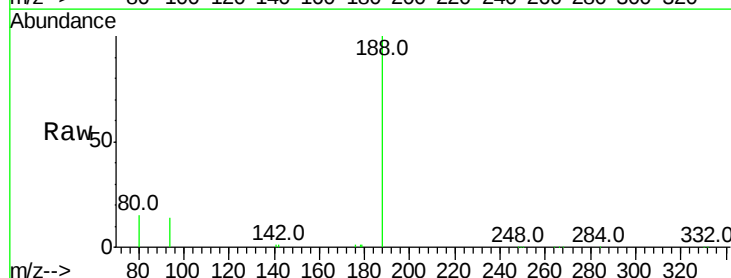
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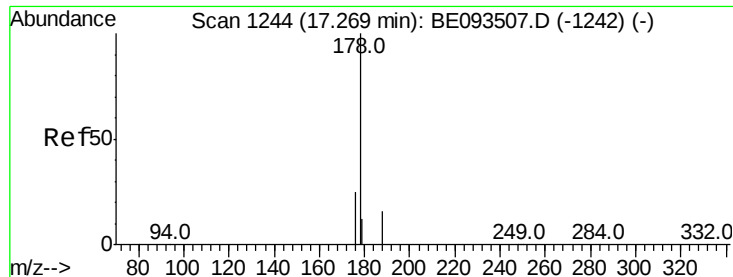
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE093656.D
Acq: 3 Aug 2017 13:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	14.1	11.3	16.9
80	15.1	11.7	17.5





#23

Phenanthrene

Concen: 0.035 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

Instrument :

BNA_E

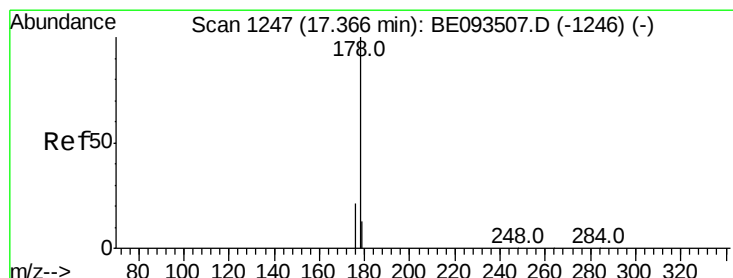
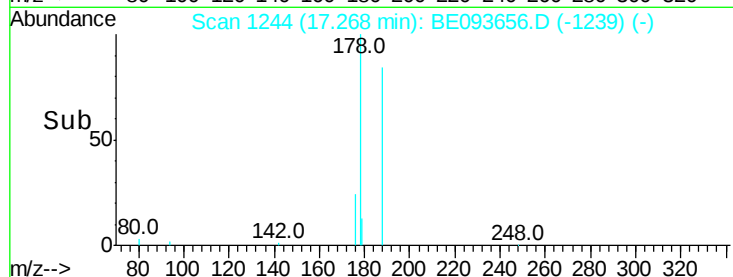
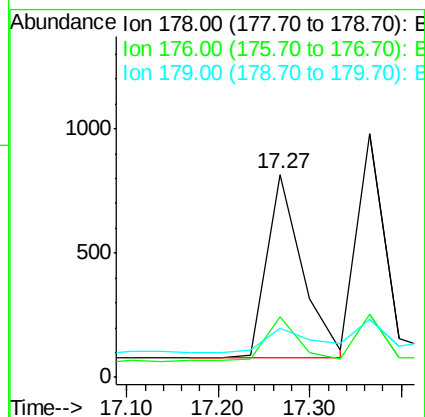
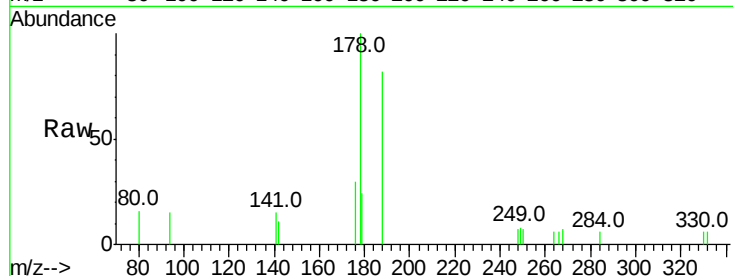
ClientSampleId :

CSSB-32-1

Tot Ion:	178	Resp:	1995
Ion Ratio	Lower	Upper	
178	100		
176	21.8	15.0	22.4
179	18.9	12.7	19.1

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#24

Anthracene

Concen: 0.024 ng

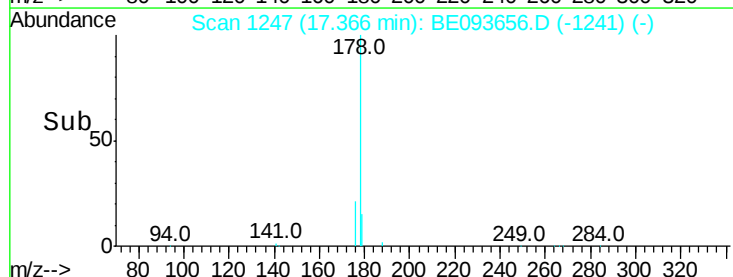
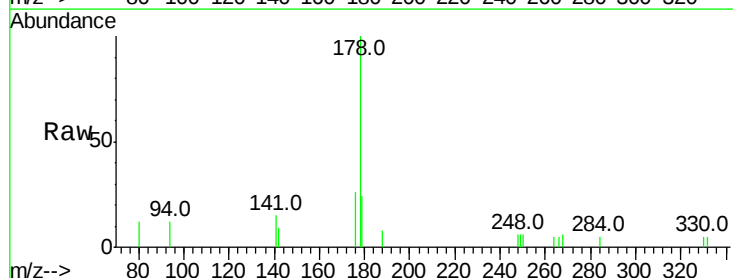
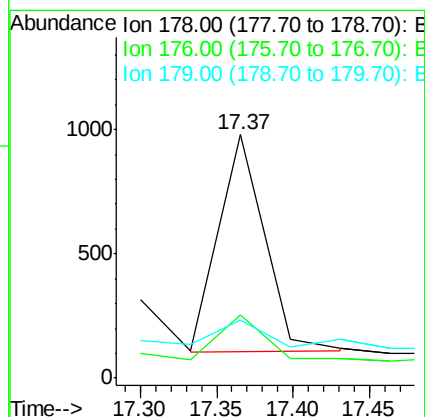
RT: 17.37 min Scan# 1247

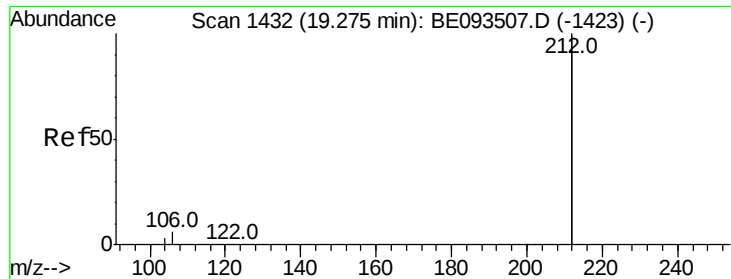
Delta R.T. -0.00 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

Tgt Ion:	178	Resp:	1834
Ion Ratio	Lower	Upper	
178	100		
176	19.8	14.6	22.0
179	12.3	12.0	18.0





#25

Fluoranthene-d10

Concen: 0.253 ng

RT: 19.27 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

Instrument :

BNA_E

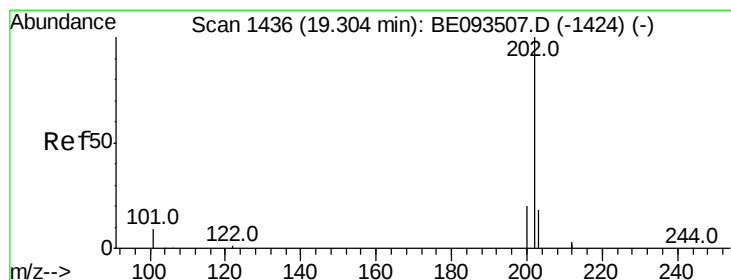
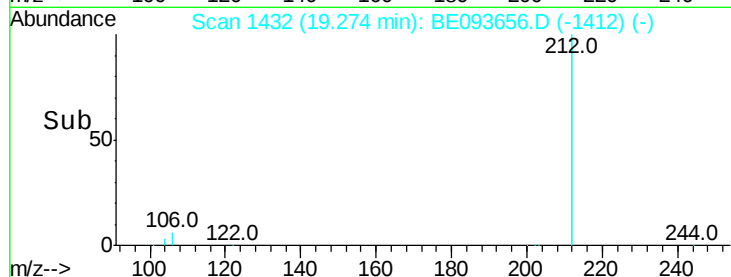
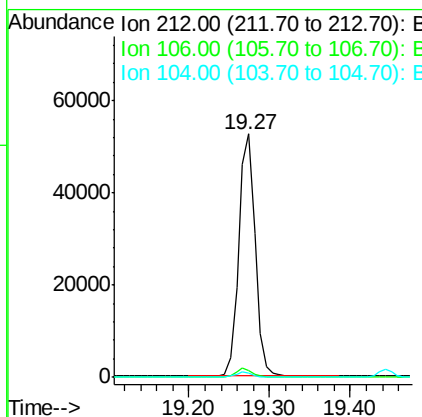
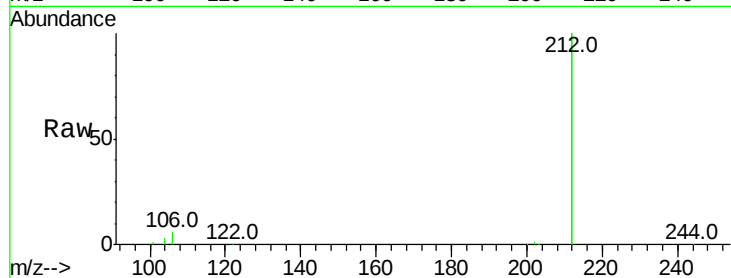
ClientSampleId :

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Tot Ion:	212	Resp:	73810
Ion Ratio	Lower	Upper	
212	100		
106	3.4	2.4	3.6
104	1.9	1.6	2.4

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#26

Fluoranthene

Concen: 0.080 ng

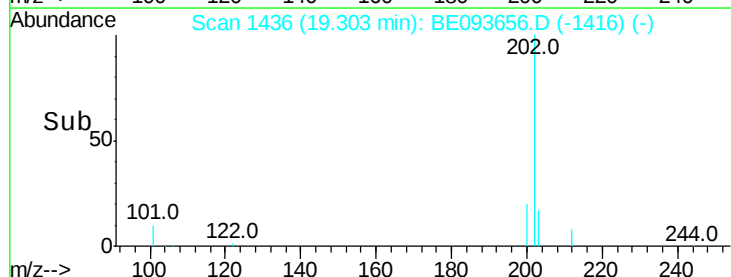
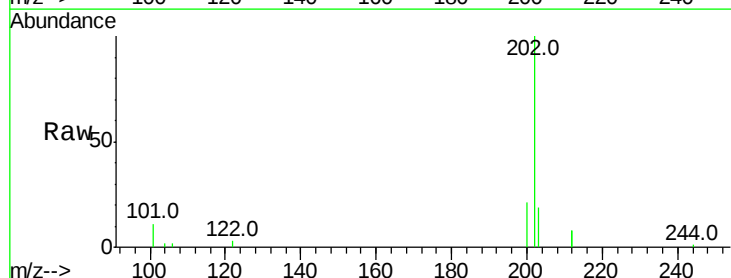
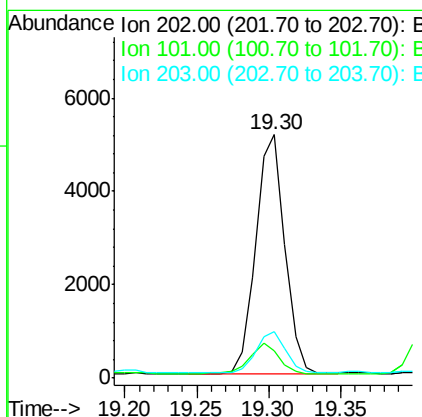
RT: 19.30 min Scan# 1436

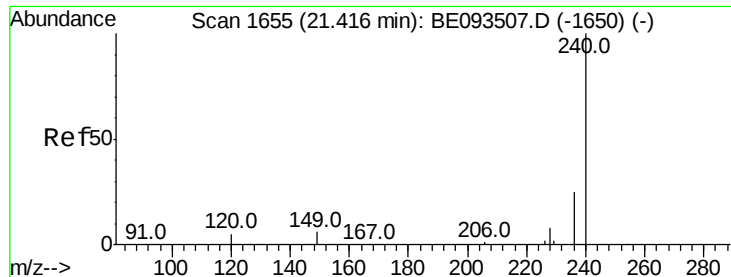
Delta R.T. -0.00 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

Tgt Ion:	202	Resp:	7204
Ion Ratio	Lower	Upper	
202	100		
101	14.2	9.6	14.4
203	17.9	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: BE093656.D

Acq: 3 Aug 2017 13:58

Instrument :

BNA_E

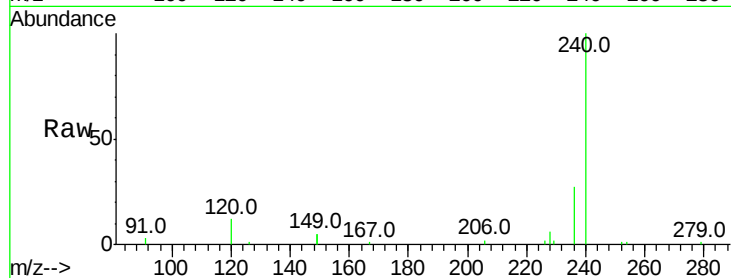
ClientSampled :

CSSB-32-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.1	4.6	7.0#
236	27.3	20.8	31.2

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8/4/2017 5:29:11 PM

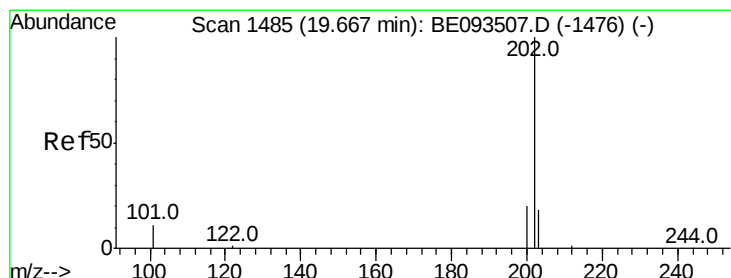
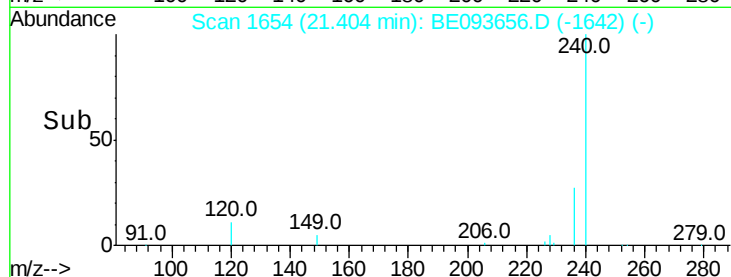
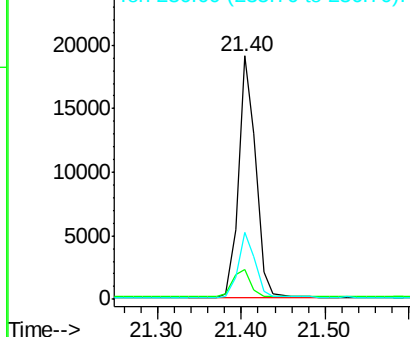


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.096 ng

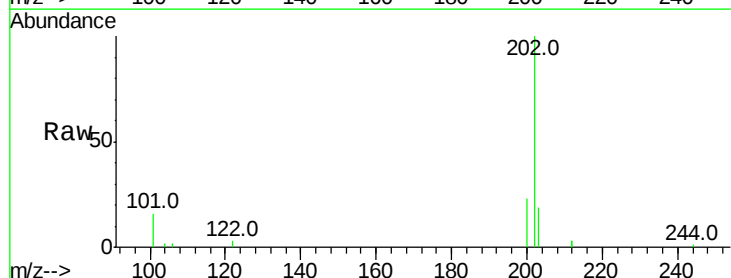
RT: 19.66 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	0.0	0.0#
203	20.2	13.7	20.5

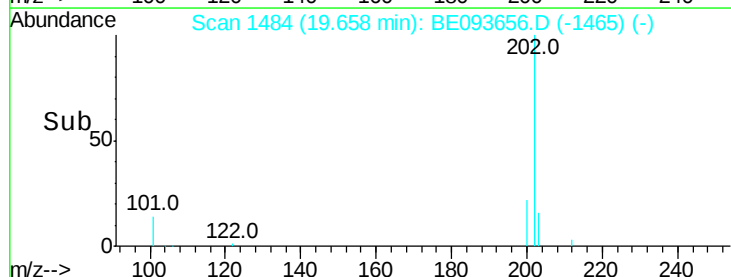
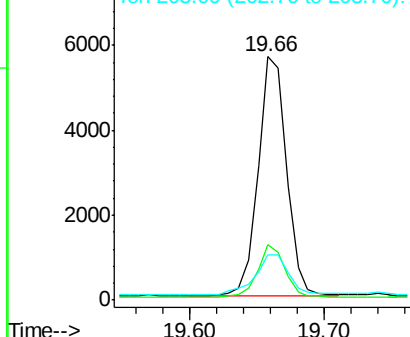


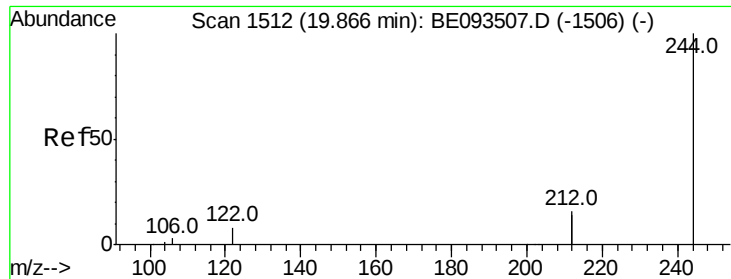
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





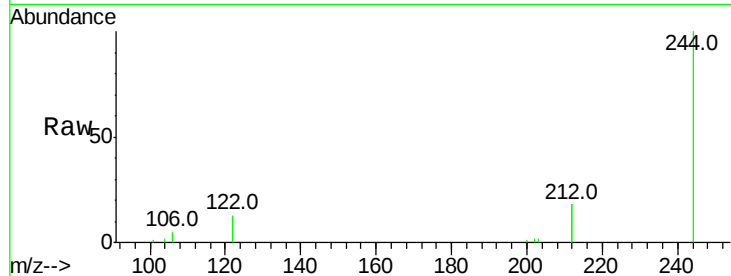
#29
 Terphenyl-d14
 Concen: 0.265 ng
 RT: 19.86 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BE093656.D
 Acq: 3 Aug 2017 13:58

Instrument :
 BNA_E
 ClientSampled :
 CSSB-32-1

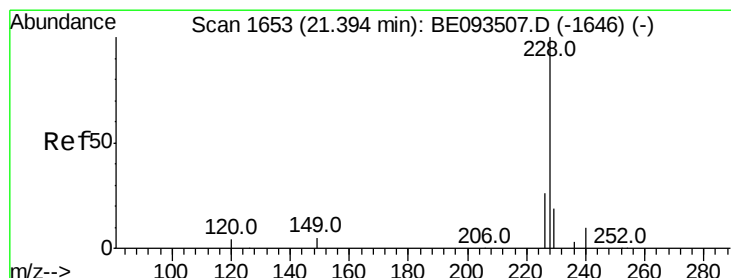
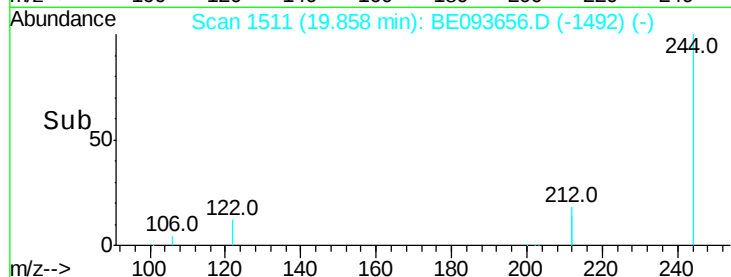
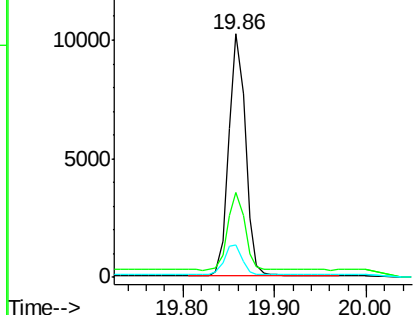
Tot Ion	Ratio	Lower	Upper
244	100		
212	35.1	10.6	16.0#
122	13.2	15.4	23.0#

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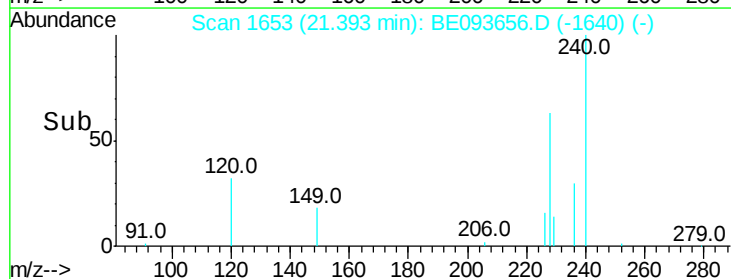
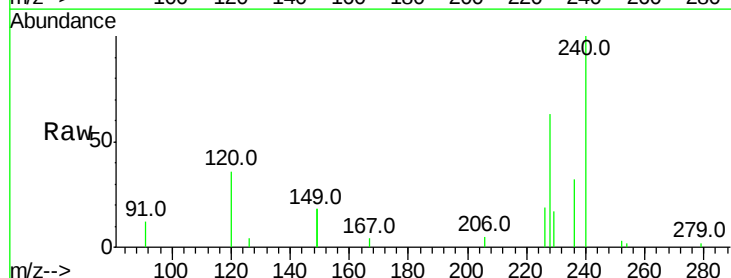
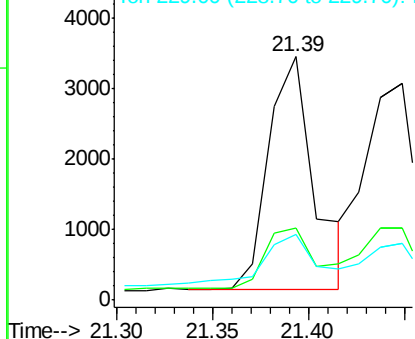
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

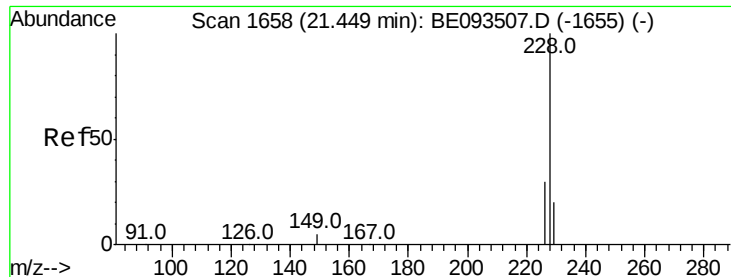


#30
 Benzo(a)anthracene
 Concen: 0.069 ng
 RT: 21.39 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: BE093656.D
 Acq: 3 Aug 2017 13:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	19.7	29.5#
229	27.0	19.2	28.8

Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.060 ng/mL

RT: 21.45 min Scan# 1658

Delta R.T. -0.00 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

Instrument :

BNA_E

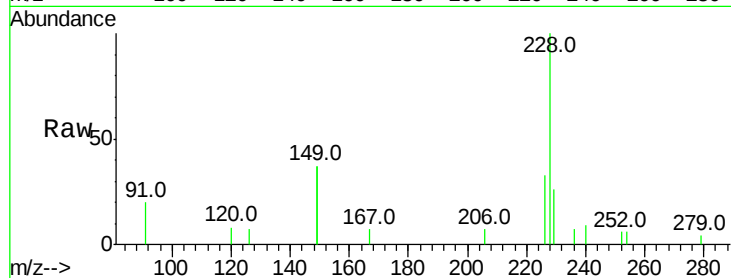
ClientSampled :

CSSB-32-1

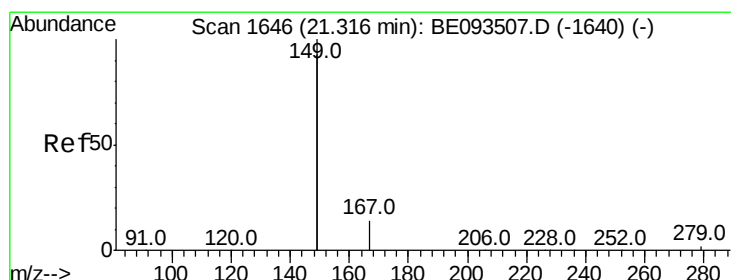
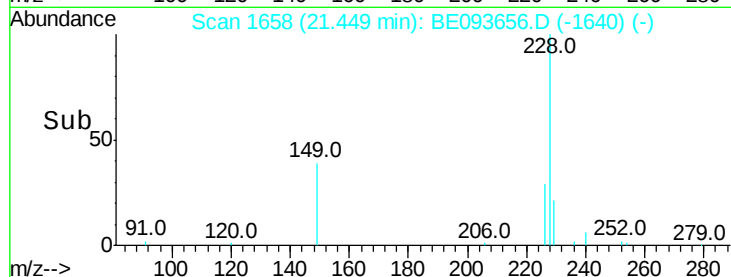
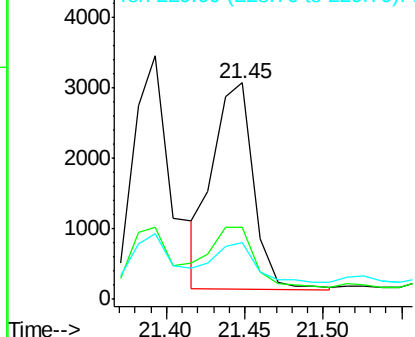
Tot Ion:	228	Resp:	5295
Ion	Ratio	Lower	Upper
228	100		
226	33.1	21.5	32.3#
229	26.4	18.6	28.0

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.326 ng/mL

RT: 21.30 min Scan# 1645

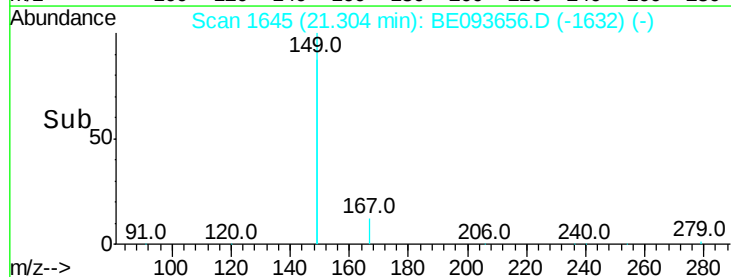
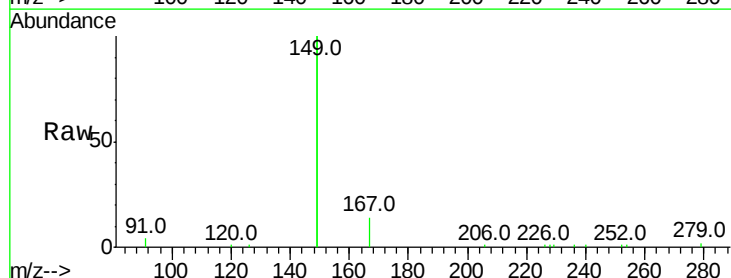
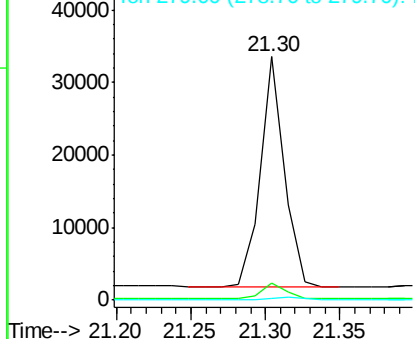
Delta R.T. -0.01 min

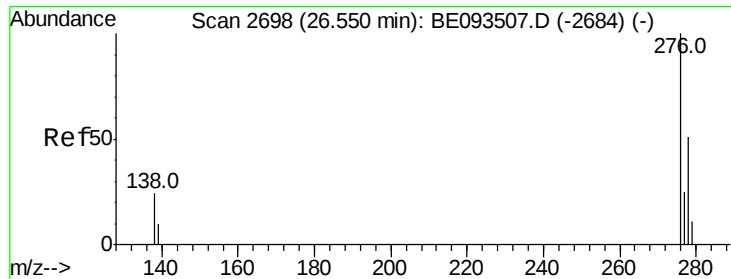
Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

Tgt Ion:	149	Resp:	35315
Ion	Ratio	Lower	Upper
149	100		
167	6.8	4.8	7.2
279	1.0	0.8	1.2

Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





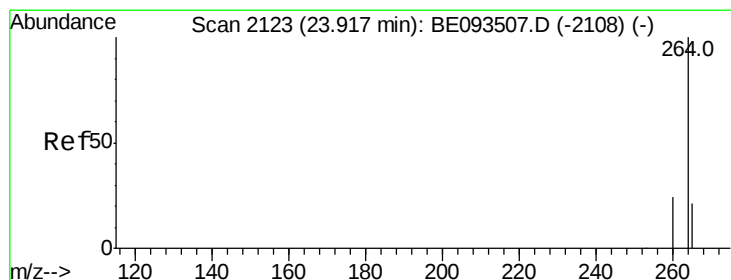
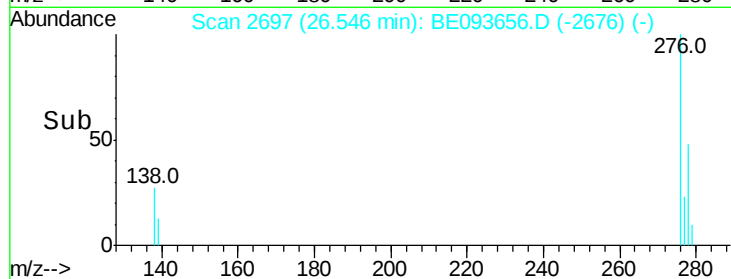
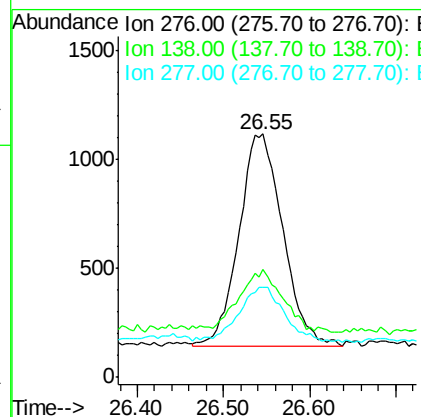
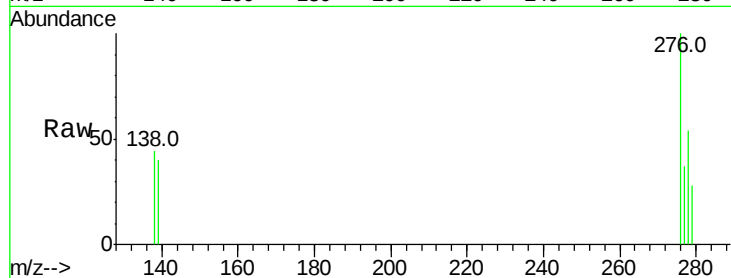
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.042 ng
RT: 26.55 min Scan# 2697
Delta R.T. -0.00 min
Lab File: BE093656.D
Acq: 3 Aug 2017 13:58

Instrument :
BNA_E
ClientSampled :
CSSB-32-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.7	27.4	41.2
277	25.9	20.1	30.1

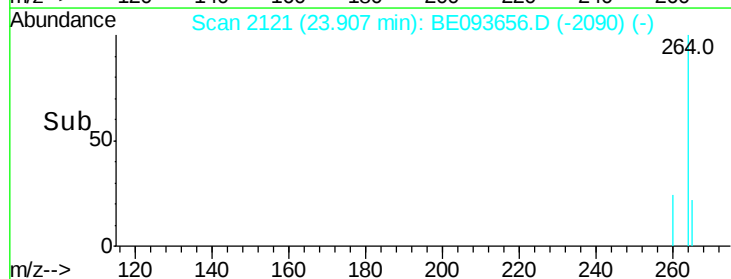
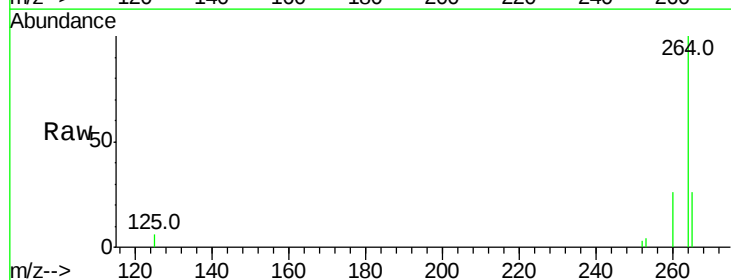
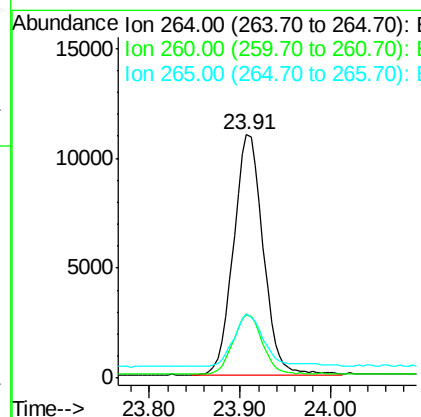
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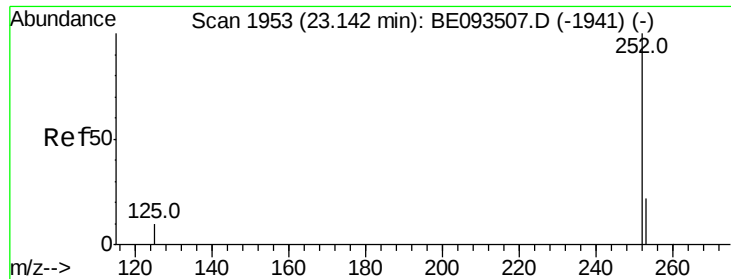
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8/4/2017 5:29:11 PM



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BE093656.D
Acq: 3 Aug 2017 13:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.8	21.0	31.4
265	26.2	24.6	36.8





#35

Benzo(b)fluoranthene

Concen: 0.057 ng

RT: 23.14 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

Instrument :

BNA_E

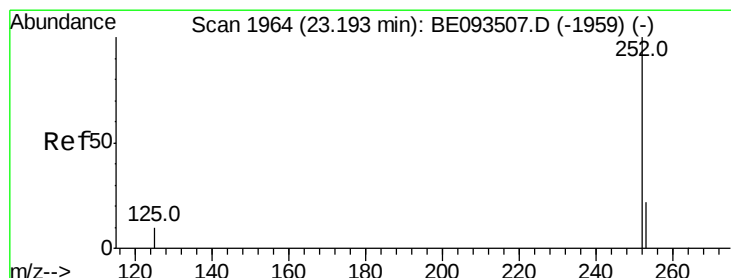
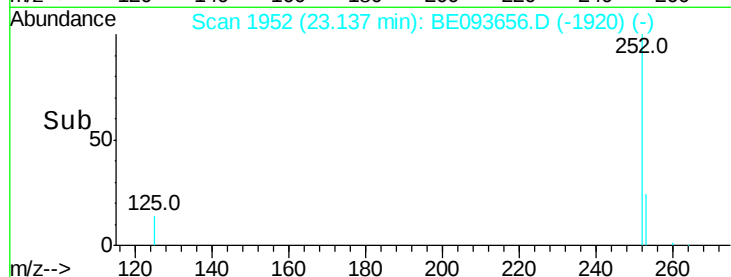
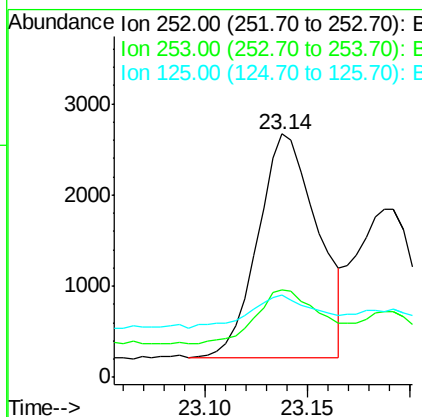
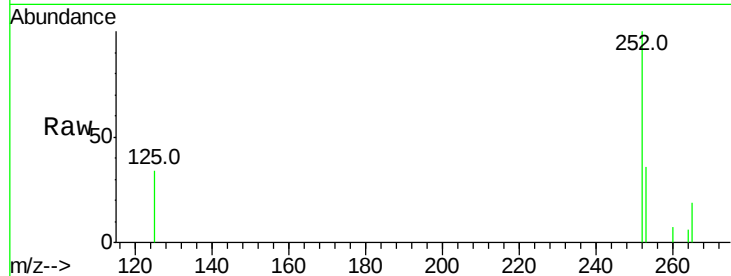
ClientSampleId :

CSSB-32-1

Tot Ion:	252	Resp:	4999
Ion Ratio	Lower	Upper	
252	100		
253	35.8	18.5	27.7#
125	33.8	13.4	20.0#

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8/4/2017 5:29:11 PM



#36

Benzo(k)fluoranthene

Concen: 0.034 ng

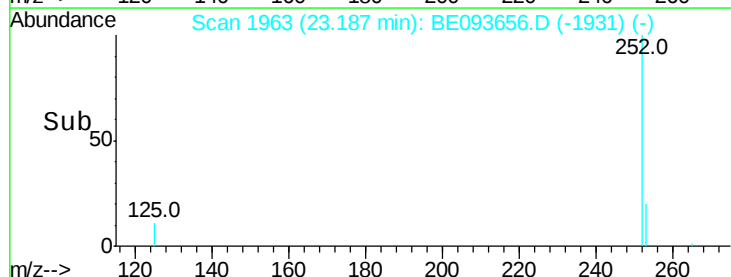
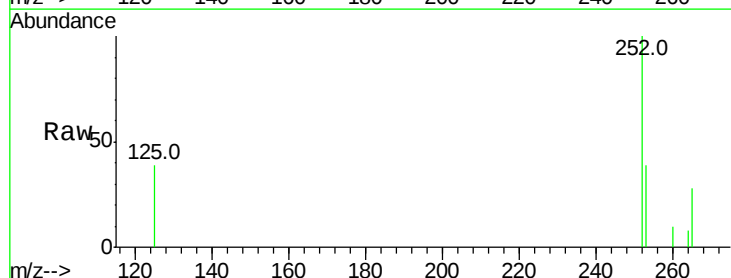
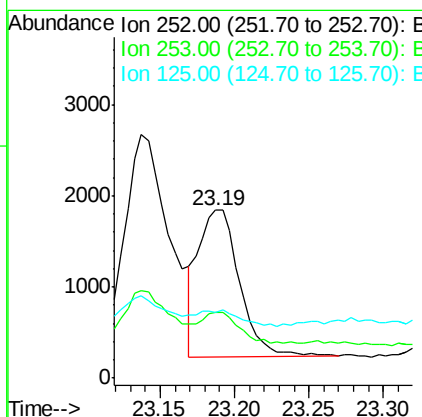
RT: 23.19 min Scan# 1963

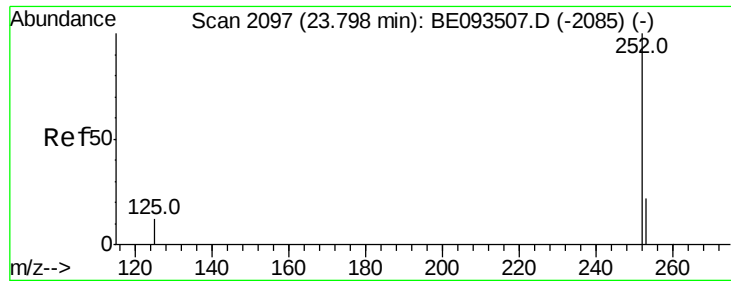
Delta R.T. -0.01 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

Tgt Ion:	252	Resp:	3089
Ion Ratio	Lower	Upper	
252	100		
253	39.2	20.3	30.5#
125	39.5	12.2	18.4#





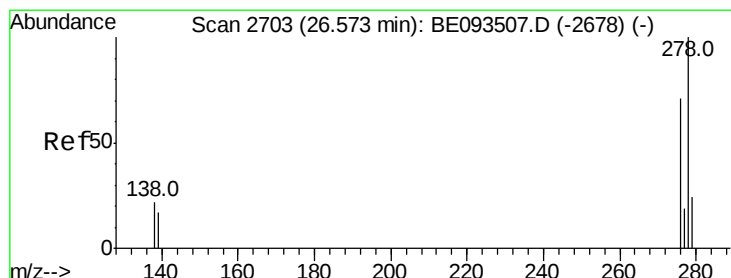
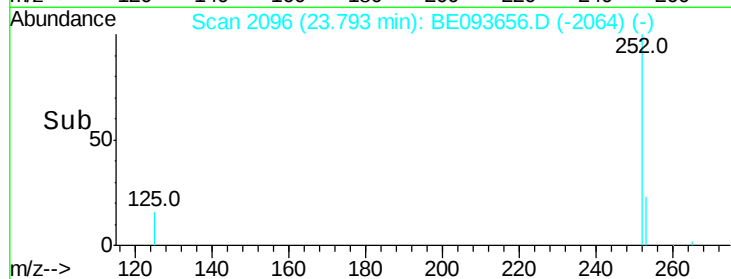
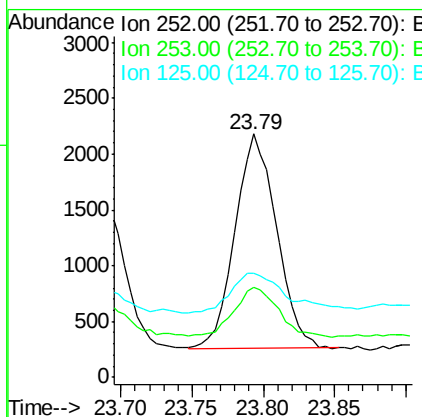
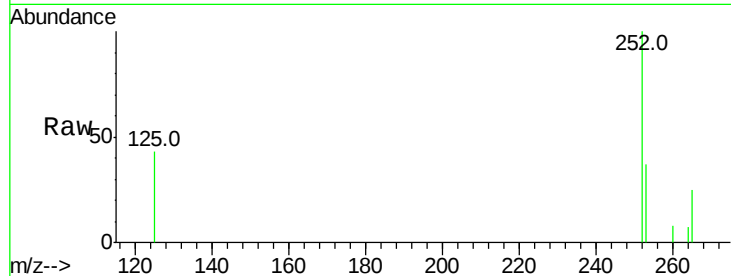
#37
Benzo(a)pyrene
Concen: 0.049 ng
RT: 23.79 min Scan# 2096
Delta R.T. -0.01 min
Lab File: BE093656.D
Acq: 3 Aug 2017 13:58

Instrument :
BNA_E
ClientSampled :
CSSB-32-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	37.0	19.9	29.9#
125	42.5	14.6	21.8#

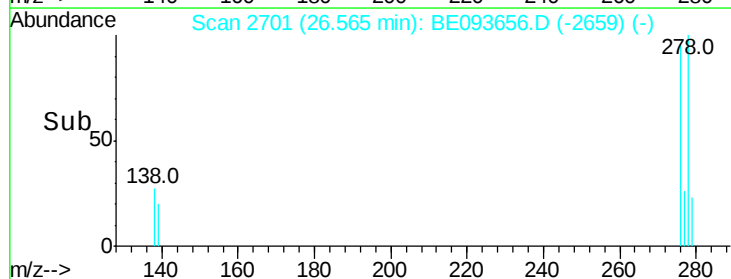
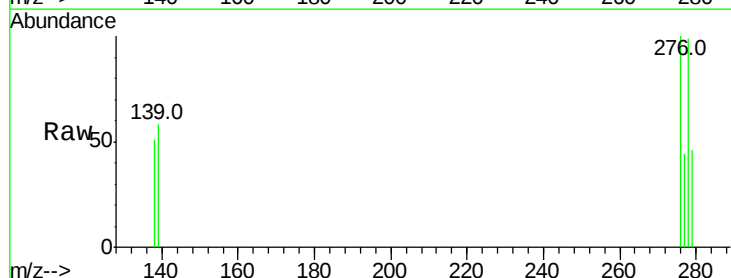
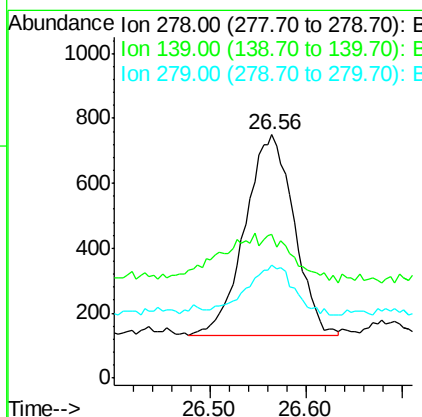
Manual Integrations
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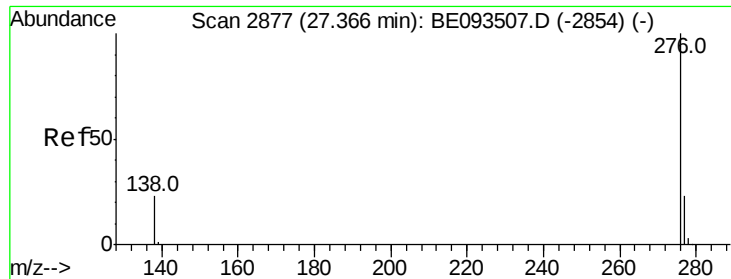
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#38
Dibenzo(a,h)anthracene
Concen: 0.028 ng
RT: 26.56 min Scan# 2701
Delta R.T. -0.01 min
Lab File: BE093656.D
Acq: 3 Aug 2017 13:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	58.9	21.4	32.0#
279	46.5	22.2	33.2#





#39

Benzo(a,h,i)perylene

Concen: 0.044 ng

RT: 27.36 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BE093656.D

Acq: 3 Aug 2017 13:58

Instrument :

BNA_E

ClientSampleId :

CSSB-32-1

Tot Ion:	276	Resp:	3441
Ion Ratio	Lower	Upper	
276	100		
277	35.0	21.2	31.8#
138	39.3	24.5	36.7#

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