

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE110917\
 Data File : BE094790.D
 Acq On : 8 Nov 2017 19:29
 Operator : SJ/JU
 Sample : I6328-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-4

Manual Integrations
 APPROVED

Sohil
 11/9/2017 3:45:26 PM

Quant Time: Nov 09 00:45:50 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 22:40:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1115	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	6803	0.40	ng	-0.02
13) Acenaphthene-d10	14.51	164	4054	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	10547	0.40	ng	0.00
27) Chrysene-d12	21.43	240	8262	0.40	ng	0.00
34) Perylene-d12	23.96	264	7324	0.40	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.55	112	530	0.14	ng	0.02
5) Phenol-d6	7.14	99	674	0.12	ng	0.00
8) Nitrobenzene-d5	9.08	82	2545	0.47	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	4122	0.38	ng	-0.02
14) 2,4,6-Tribromophenol	16.03	330	372	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	5979	0.42	ng	-0.02
25) Fluoranthene-d10	19.27	212	41736	0.30	ng	0.00
29) Terphenyl-d14	19.85	244	8478	0.54	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.41	88	16424	8.701	ng	# 86
9) Naphthalene	10.74	128	3423	0.044	ng	# 84
17) Acenaphthene	14.57	154	13223	0.962	ng	99
18) Fluorene	15.56	166	15547	0.883	ng	96
23) Phenanthrene	17.27	178	6074m	0.184	ng	
24) Anthracene	17.36	178	20260m	0.654	ng	
26) Fluoranthene	19.30	202	13909	0.341	ng	100
28) Pyrene	19.67	202	16258	0.563	ng	97
30) Benzo(a)anthracene	21.40	228	1213	0.045	ng	94
32) Bis(2-ethylhexyl)phthalate	21.28	149	15023	0.228	ng	98

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

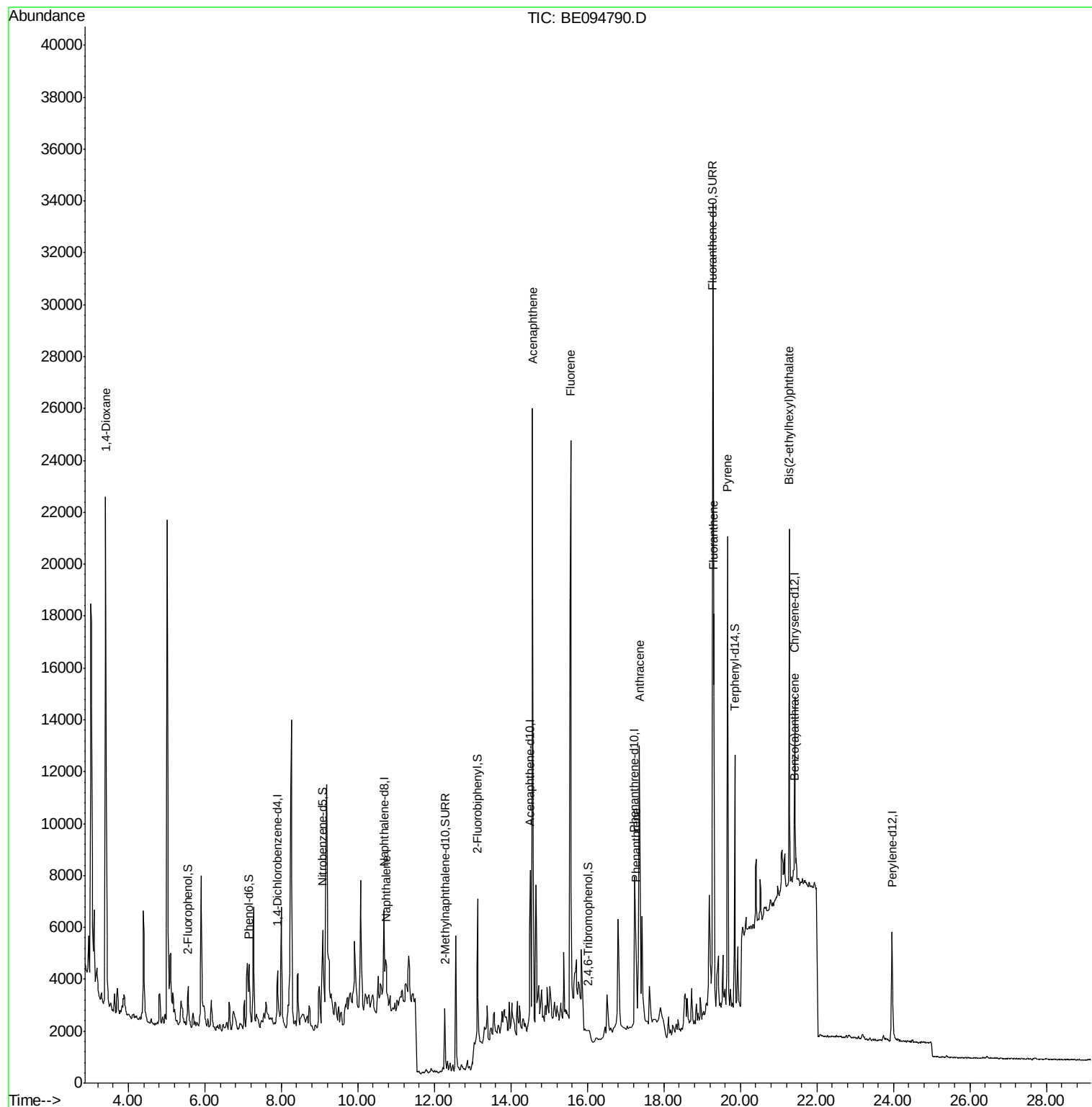
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE110917\
Data File : BE094790.D
Acq On : 8 Nov 2017 19:29
Operator : SJ/JU
Sample : I6328-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

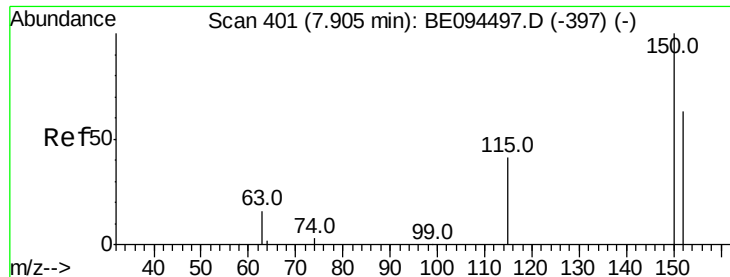
Instrument :
BNA_E
ClientSampleId :
MW-4

Manual Integrations
APPROVED

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11/9/2017 3:45:26 PM

Quant Time: Nov 09 00:45:50 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 23 22:40:47 2017
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#1

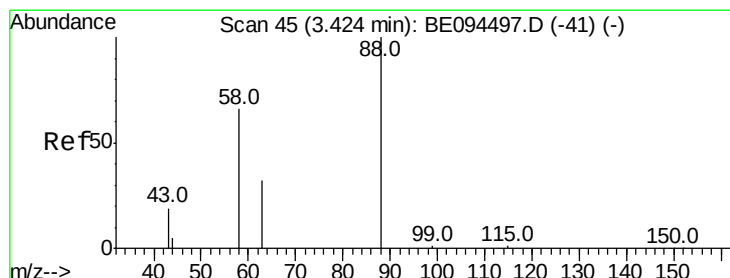
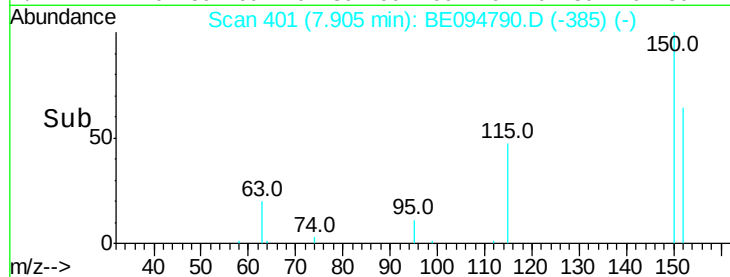
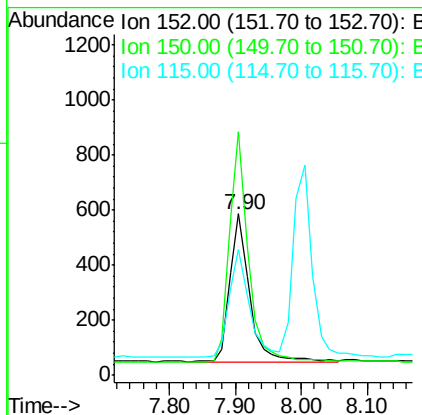
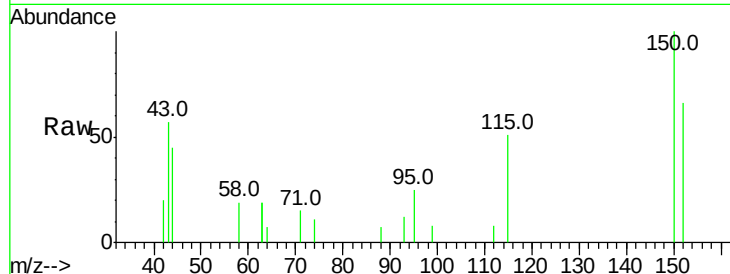
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 401
Delta R.T. -0.00 min
Lab File: BE094790.D
Acq: 8 Nov 2017 19:29

Instrument :
BNA_E
ClientSampled :
MW-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.9	117.2	175.8
115	77.6	57.0	85.6

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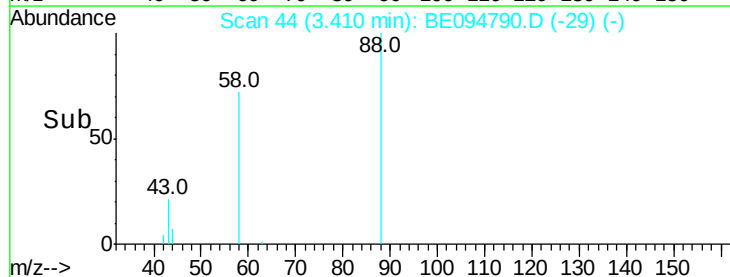
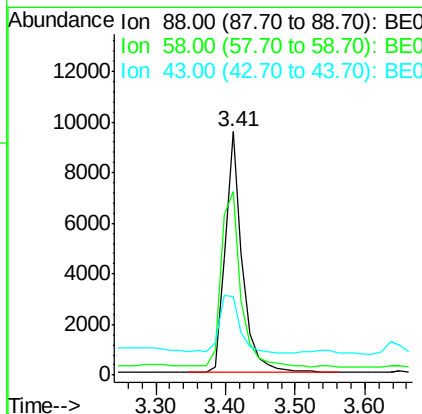
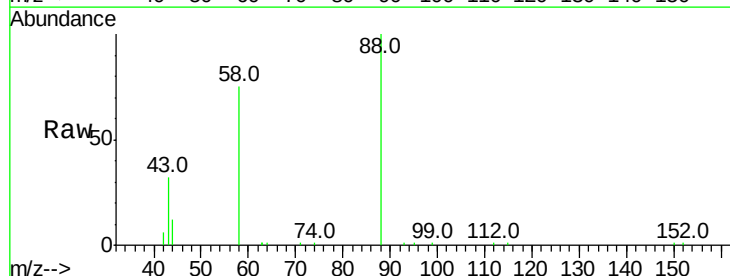
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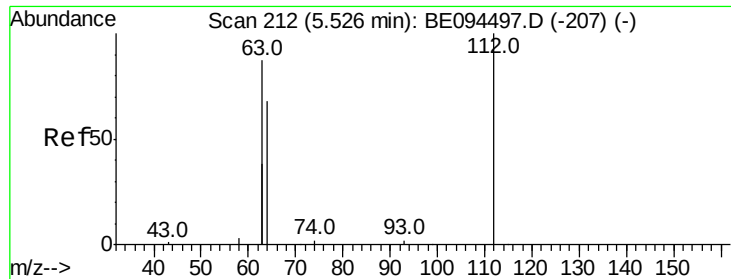


#2

1,4-Dioxane
Concen: 8.701 ng
RT: 3.41 min Scan# 44
Delta R.T. -0.01 min
Lab File: BE094790.D
Acq: 8 Nov 2017 19:29

Tgt Ion	Ratio	Lower	Upper
88	100		
58	82.1	63.2	94.8
43	30.1	41.2	61.8#





#4

2-Fluorophenol

Concen: 0.139 ng

RT: 5.55 min Scan# 214

Delta R.T. 0.02 min

Lab File: BE094790.D

Acq: 8 Nov 2017 19:29

Instrument :

BNA_E

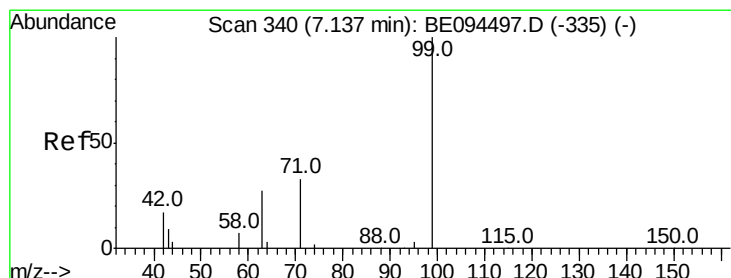
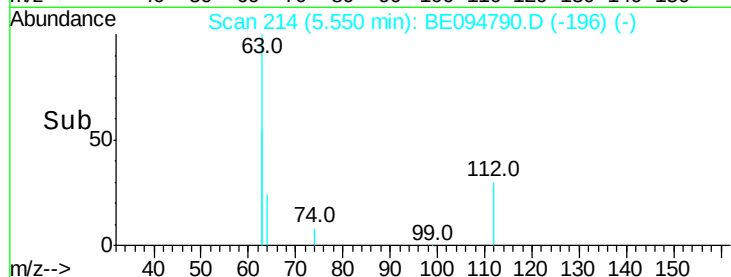
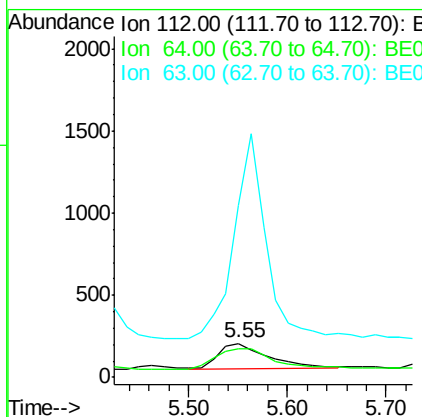
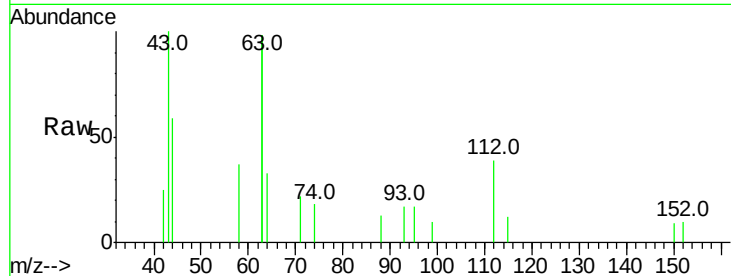
ClientSampled :

MW-4

Tot Ion:	112	Resp:	530
Ion Ratio	Lower	Upper	
112	100		
64	96.2	60.1	90.1#
63	530.8	116.8	175.2#

Manual Integrations
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#5

Phenol-d6

Concen: 0.117 ng

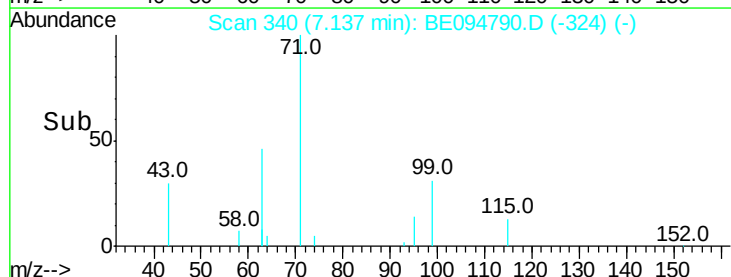
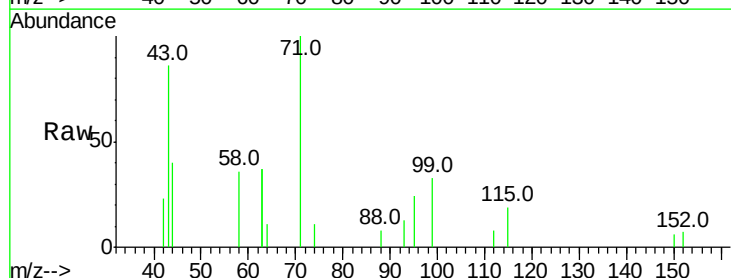
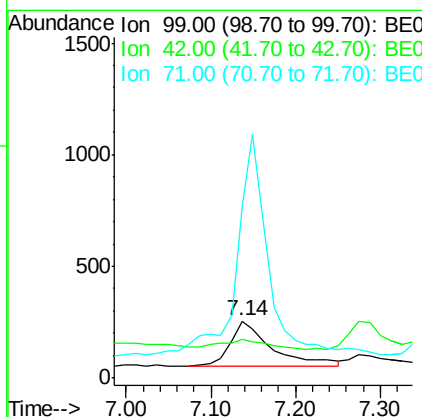
RT: 7.14 min Scan# 340

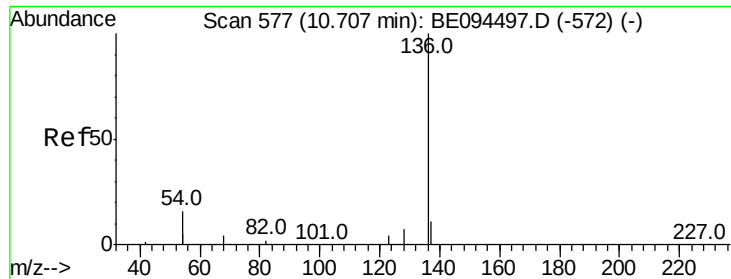
Delta R.T. -0.00 min

Lab File: BE094790.D

Acq: 8 Nov 2017 19:29

Tgt Ion:	99	Resp:	674
Ion Ratio	Lower	Upper	
99	100		
42	24.8	20.2	30.2
71	393.5	28.4	42.6#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE094790.D

Acq: 8 Nov 2017 19:29

Instrument :

BNA_E

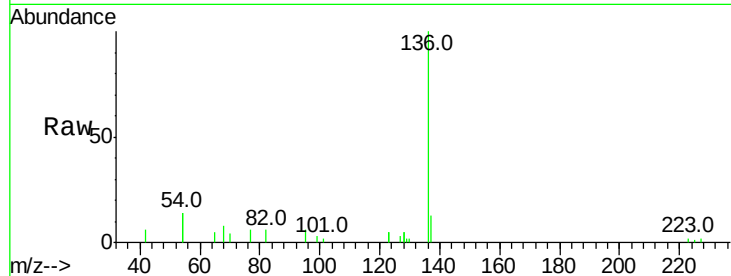
ClientSampleId :

MW-4

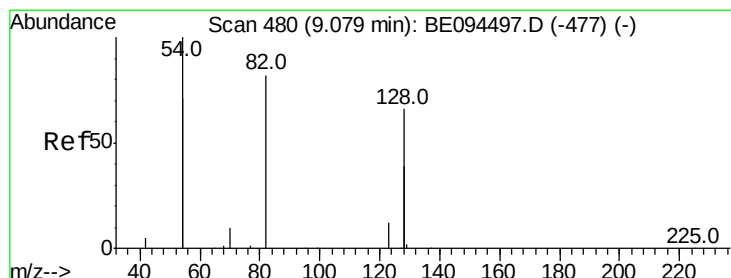
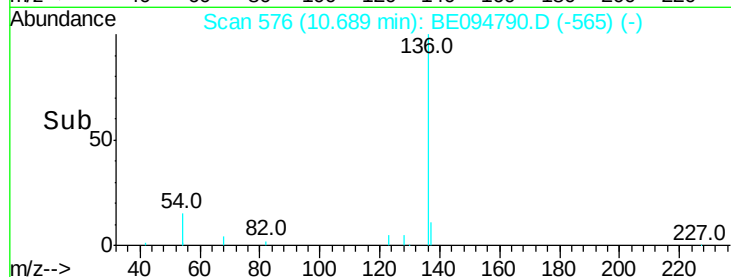
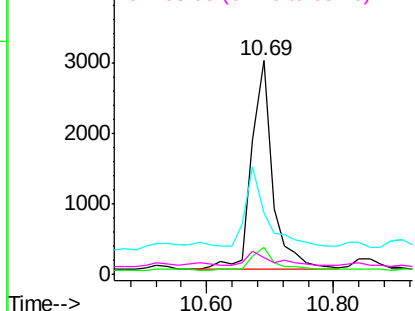
Tot Ion	Ratio	Resp	Lower	Upper
136	100	6803		
137	12.7		9.5	14.3
54	29.0		29.1	43.7
68	7.5		6.2	9.2

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Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.469 ng

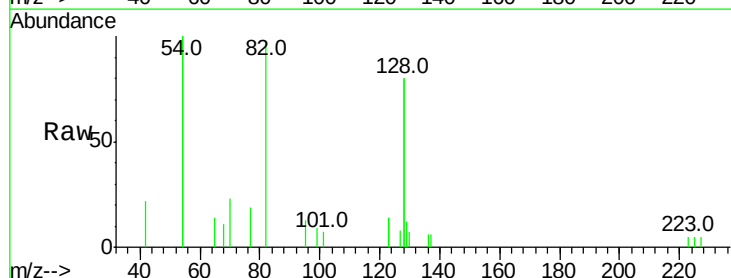
RT: 9.08 min Scan# 480

Delta R.T. -0.00 min

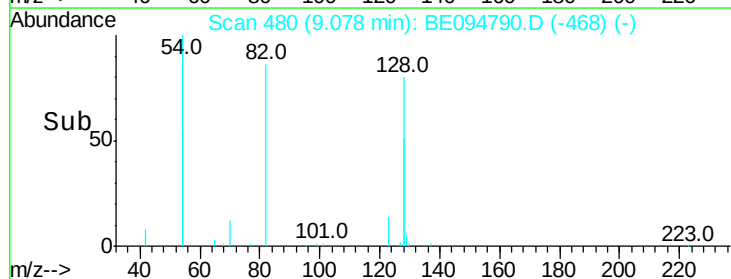
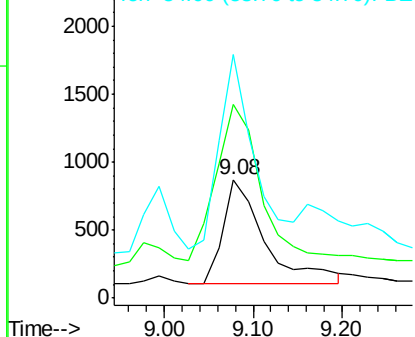
Lab File: BE094790.D

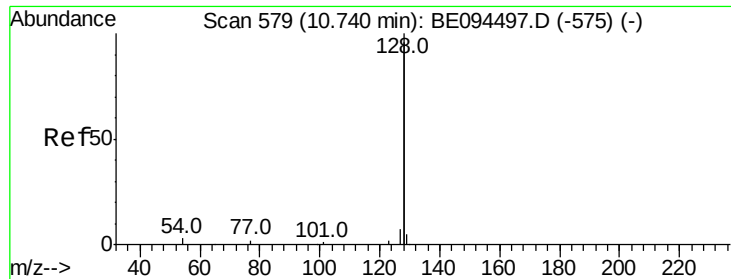
Acq: 8 Nov 2017 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	2545		
128	163.9		150.0	225.0
54	206.0		154.2	231.4



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.044 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094790.D

Acq: 8 Nov 2017 19:29

Instrument :

BNA_E

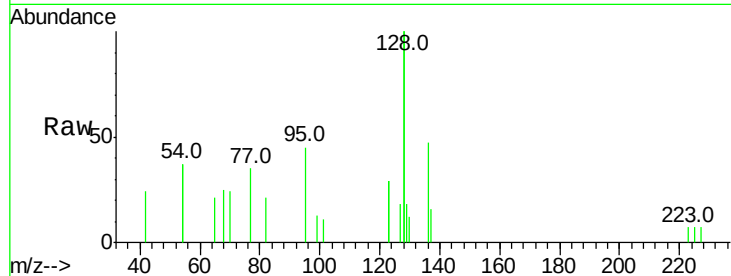
ClientSampleId :

MW-4

Tot Ion:	128	Resp:	3423
Ion Ratio	Lower	Upper	
128	100		
129	8.8	2.6	3.8#
127	8.8	2.8	4.2#

Manual Integrations
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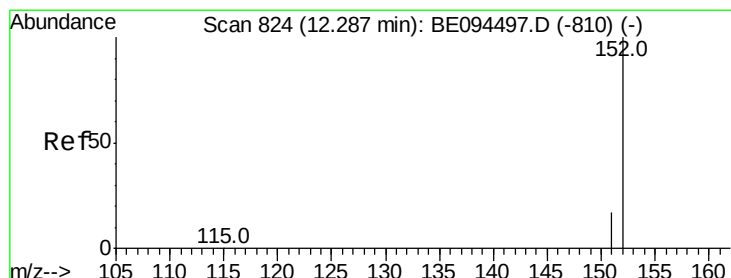
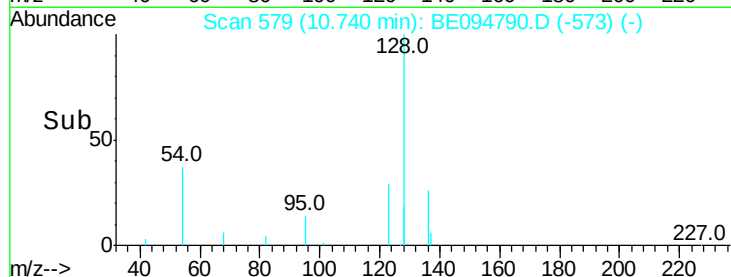
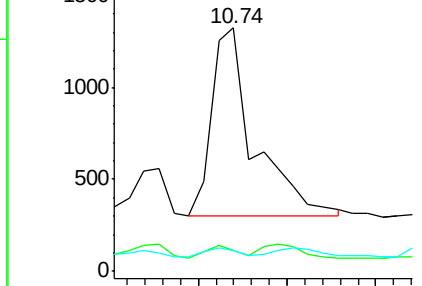
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.378 ng

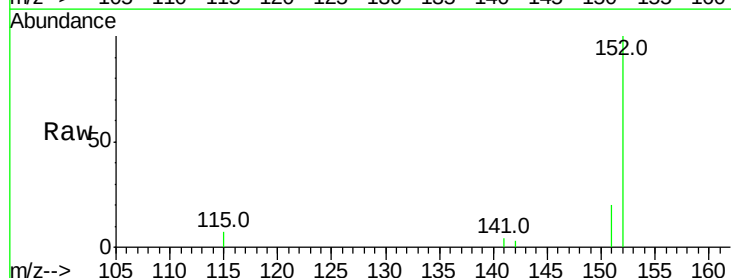
RT: 12.27 min Scan# 819

Delta R.T. -0.02 min

Lab File: BE094790.D

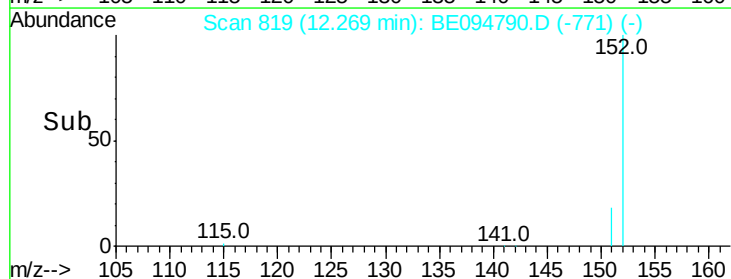
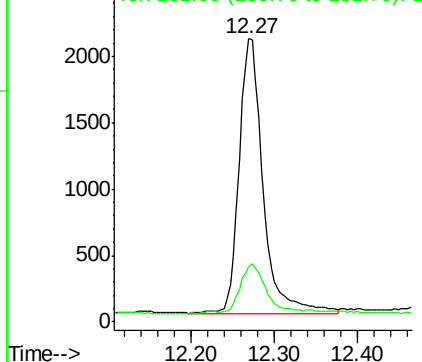
Acq: 8 Nov 2017 19:29

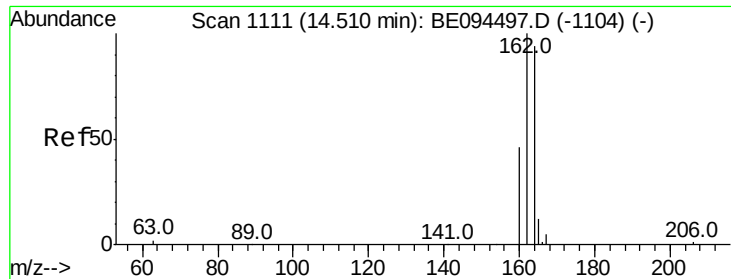
Tgt Ion:	152	Resp:	4122
Ion Ratio	Lower	Upper	
152	100		
151	18.2	15.4	23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





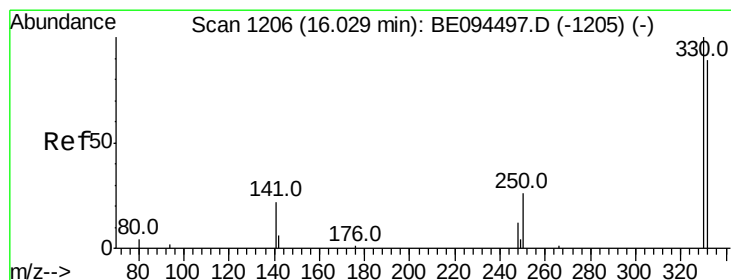
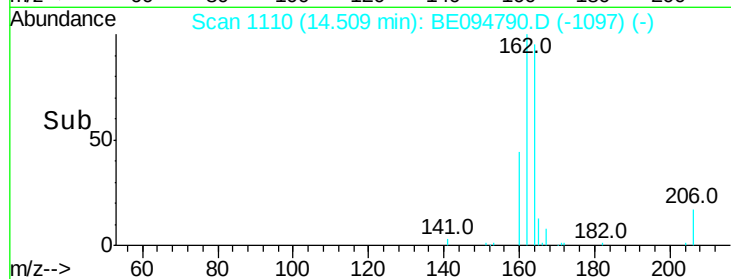
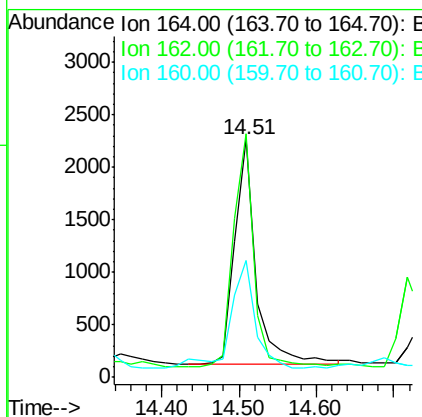
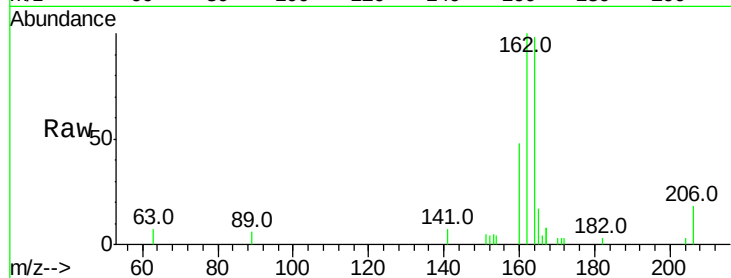
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BE094790.D
Acq: 8 Nov 2017 19:29

Instrument :
BNA_E
ClientSampled :
MW-4

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.3	83.1	124.7
160	49.4	37.1	55.7

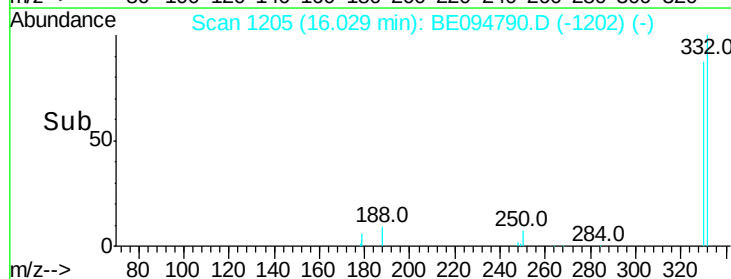
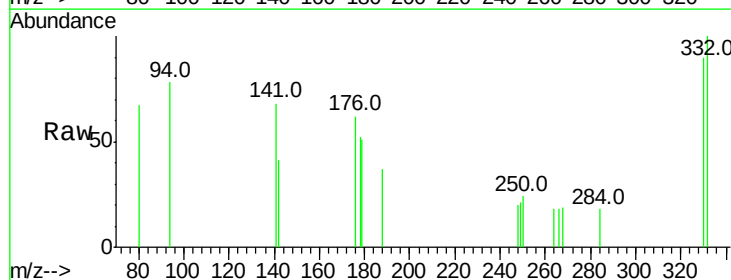
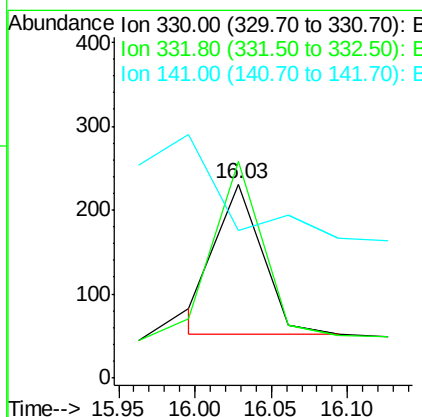
Manual Integrations
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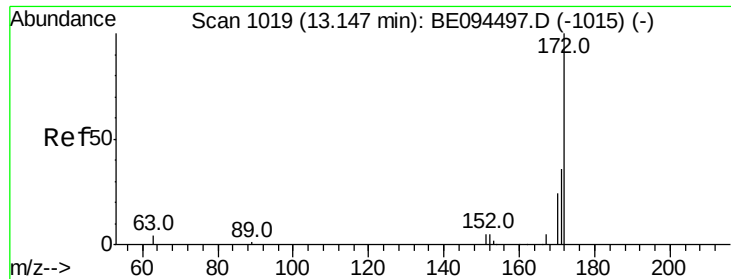
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#14
2,4,6-Tribromophenol
Concen: 0.333 ng
RT: 16.03 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BE094790.D
Acq: 8 Nov 2017 19:29

Tgt Ion	Ratio	Lower	Upper
330	100		
332	115.1	152.7	229.1#
141	0.0	33.7	50.5#





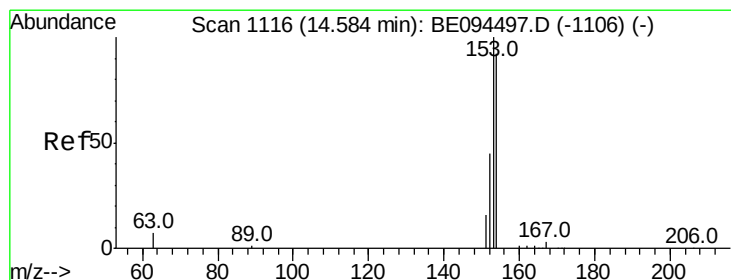
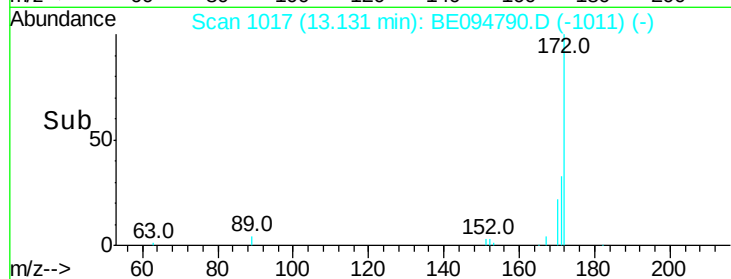
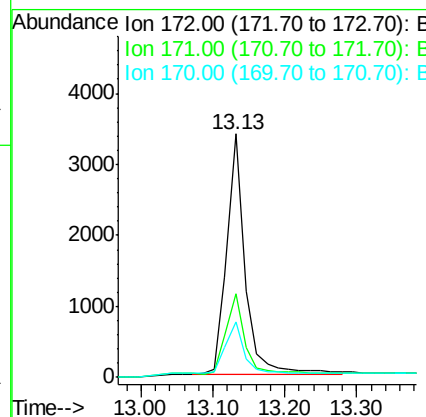
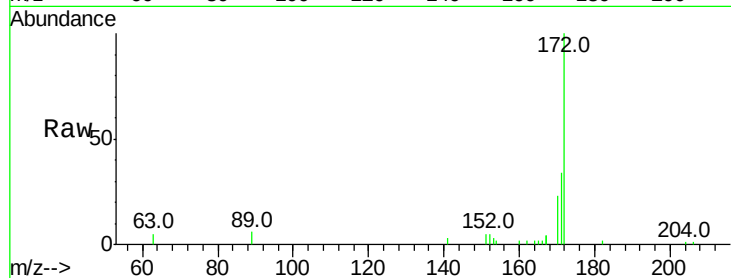
#15
2-Fluorobiphenyl
Concen: 0.418 ng
RT: 13.13 min Scan# 1017
Delta R.T. -0.02 min
Lab File: BE094790.D
Acq: 8 Nov 2017 19:29

Instrument :
BNA_E
ClientSampleId :
MW-4

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.3	29.9	44.9
170	23.0	21.8	32.8

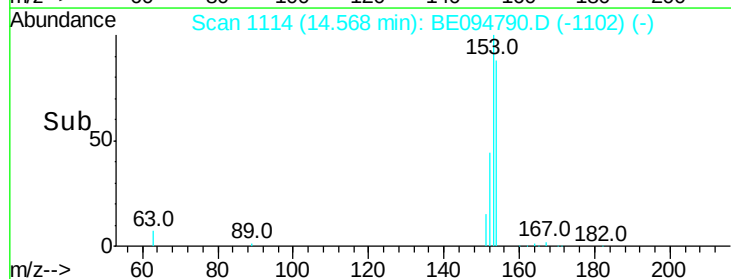
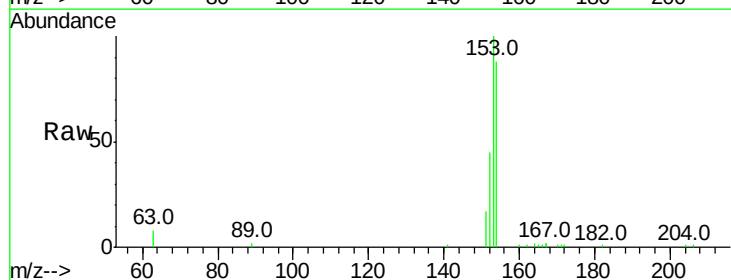
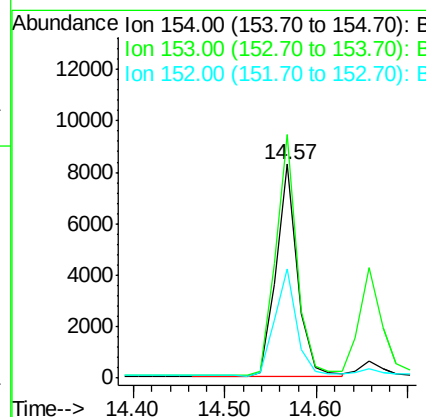
Manual Integrations
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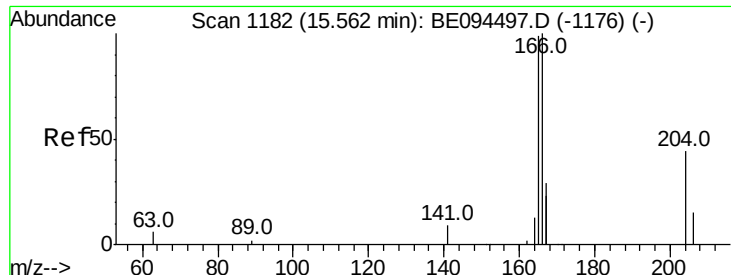
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#17
Acenaphthene
Concen: 0.962 ng
RT: 14.57 min Scan# 1114
Delta R.T. -0.02 min
Lab File: BE094790.D
Acq: 8 Nov 2017 19:29

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.5	89.2	133.8
152	52.0	42.0	63.0





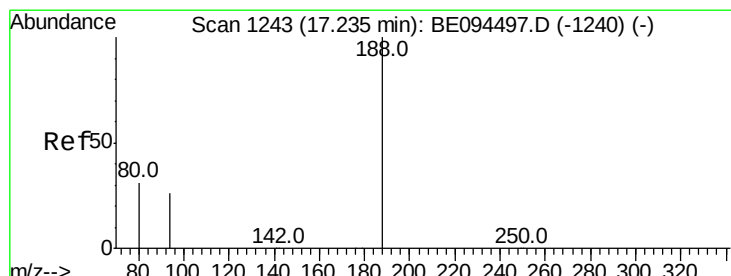
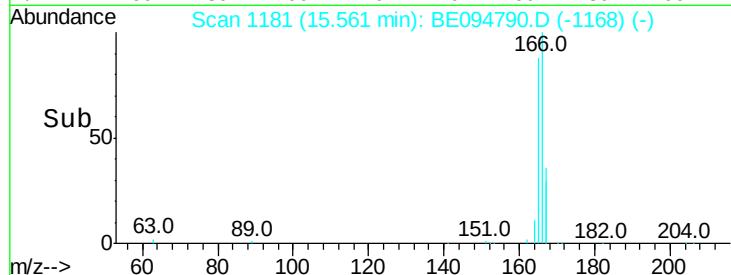
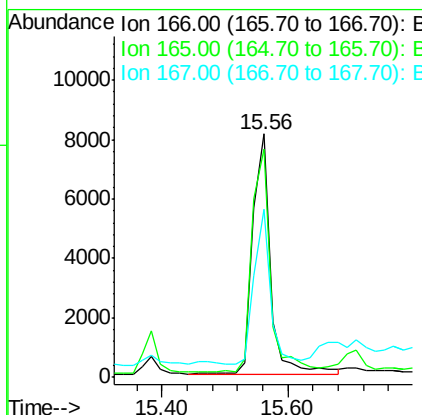
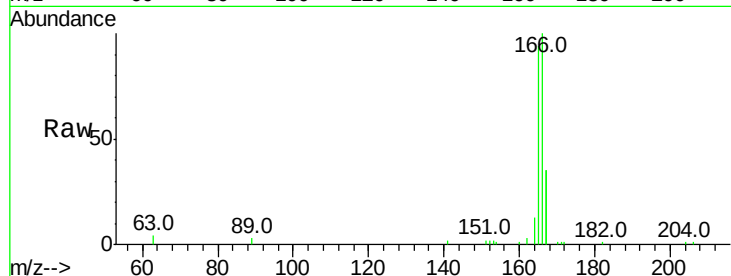
#18
 Fluorene
 Concen: 0.883 ng
 RT: 15.56 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: BE094790.D
 Acq: 8 Nov 2017 19:29

Instrument :
 BNA_E
 ClientSampled :
 MW-4

Tot Ion:166 Resp: 15547
 Ion Ratio Lower Upper
 166 100
 165 95.6 77.8 116.6
 167 59.2 42.4 63.6

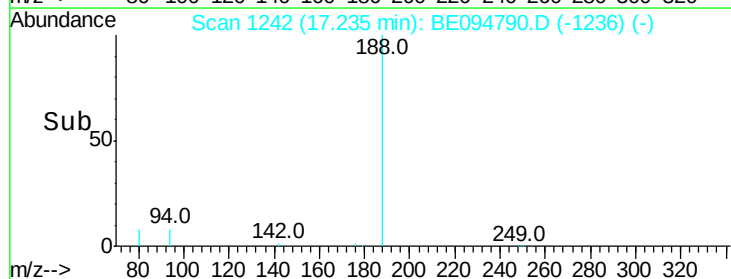
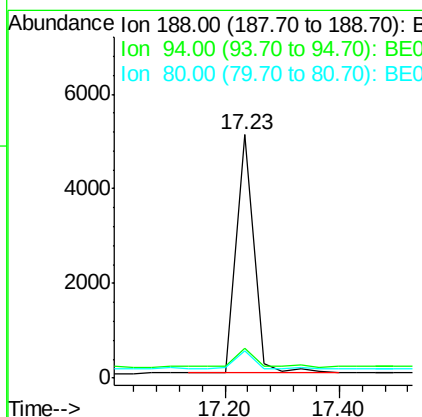
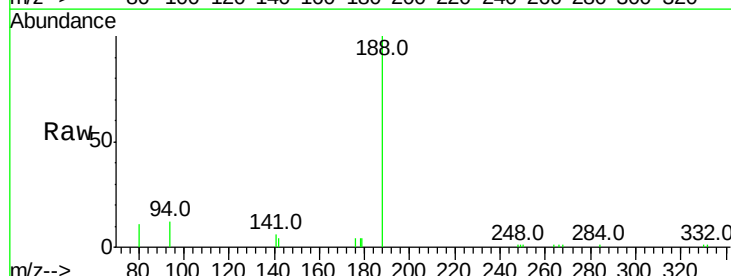
Manual Integrations
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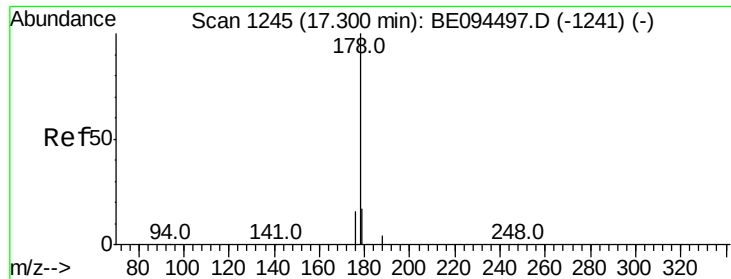
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#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.23 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: BE094790.D
 Acq: 8 Nov 2017 19:29

Tgt Ion:188 Resp: 10547
 Ion Ratio Lower Upper
 188 100
 94 12.2 3.9 5.9#
 80 11.3 3.6 5.4#





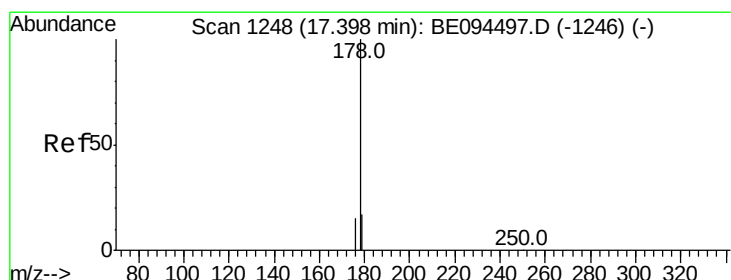
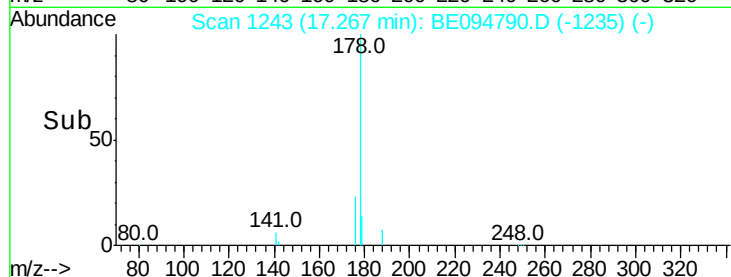
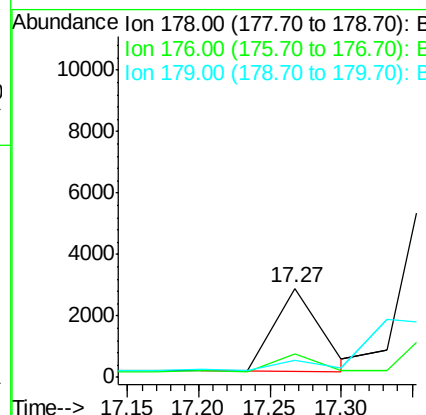
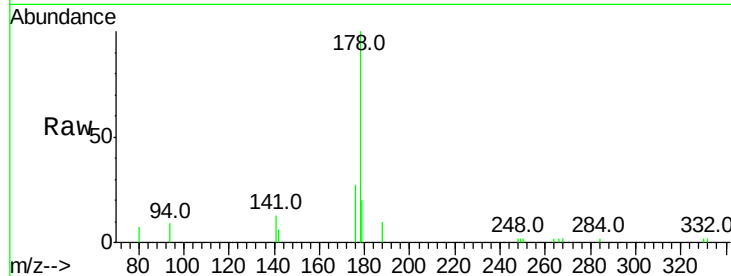
#23
Phenanthrene
Concen: 0.184 ng m
RT: 17.27 min Scan# 1243
Delta R.T. -0.03 min
Lab File: BE094790.D
Acq: 8 Nov 2017 19:29

Instrument :
BNA_E
ClientSampled :
MW-4

Tot Ion:178 Resp: 6074
Ion Ratio Lower Upper
178 100
176 85.7 15.1 22.7#
179 0.0 11.8 17.6#

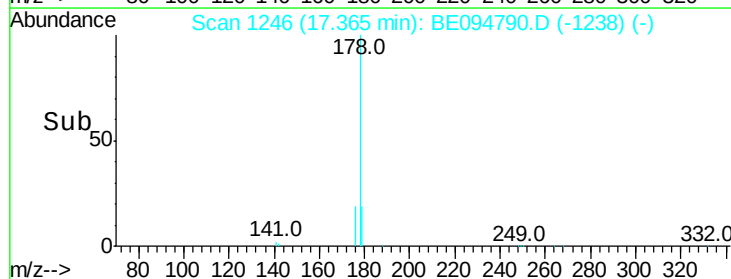
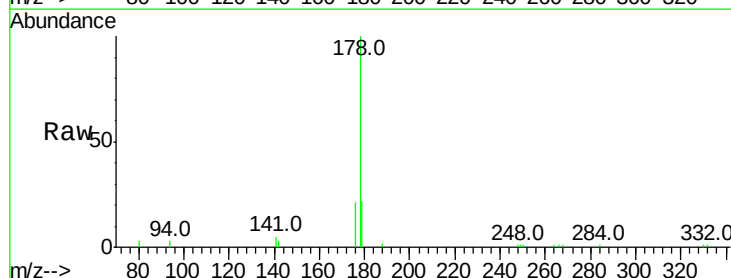
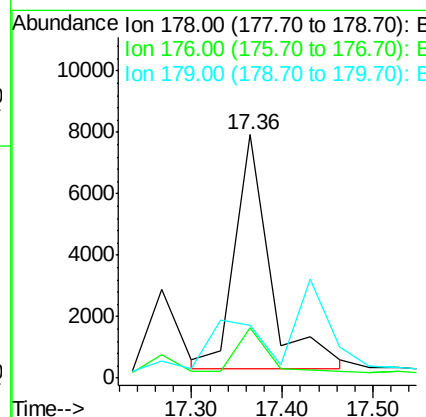
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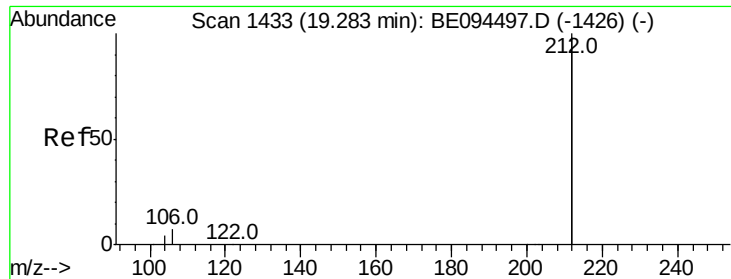
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#24
Anthracene
Concen: 0.654 ng m
RT: 17.36 min Scan# 1246
Delta R.T. -0.03 min
Lab File: BE094790.D
Acq: 8 Nov 2017 19:29

Tgt Ion:178 Resp: 20260
Ion Ratio Lower Upper
178 100
176 23.2 12.8 19.2#
179 0.0 13.0 19.6#





#25

Fluoranthene-d10

Concen: 0.302 ng

RT: 19.27 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BE094790.D

Acq: 8 Nov 2017 19:29

Instrument :

BNA_E

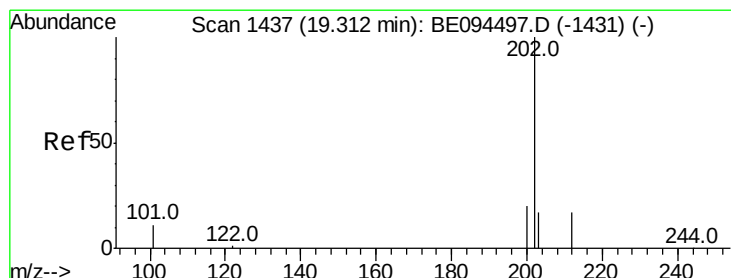
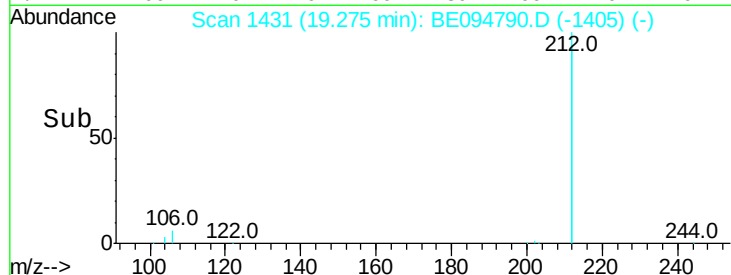
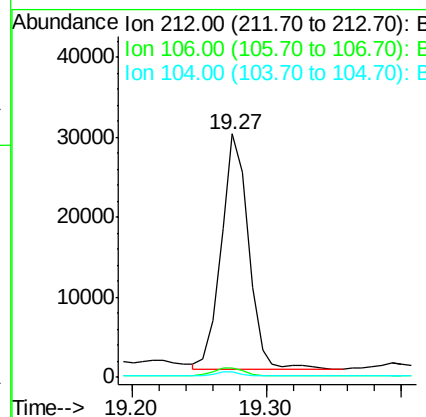
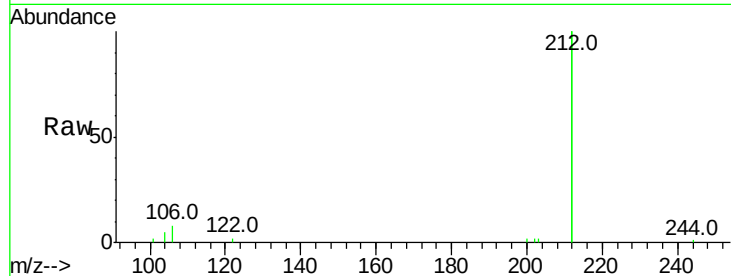
ClientSampleId :

MW-4

Tot Ion:	212	Resp:	41736
Ion Ratio	Lower	Upper	
212	100		
106	3.6	2.8	4.2
104	2.1	1.6	2.4

Manual Integrations
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#26

Fluoranthene

Concen: 0.341 ng

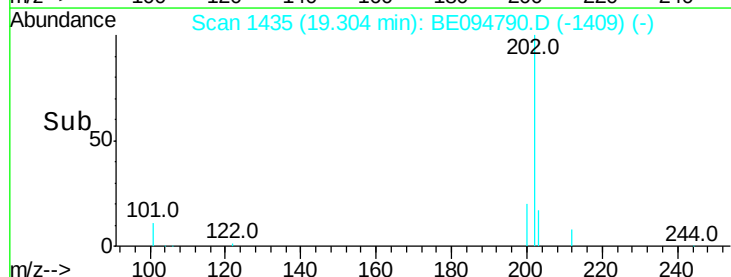
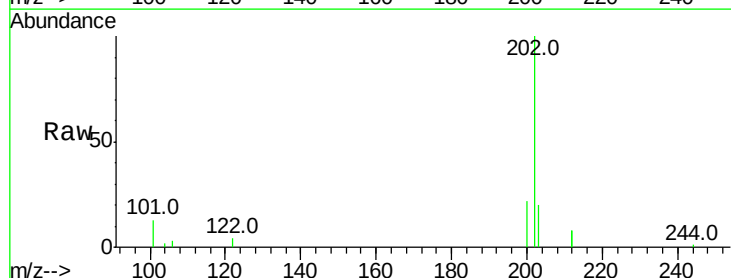
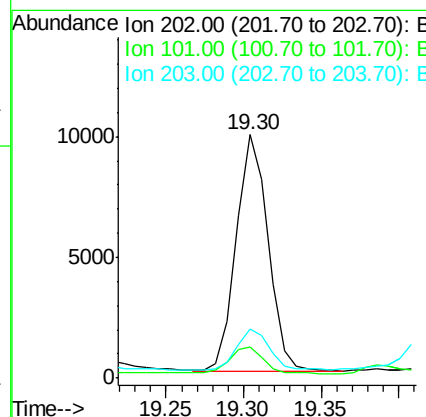
RT: 19.30 min Scan# 1435

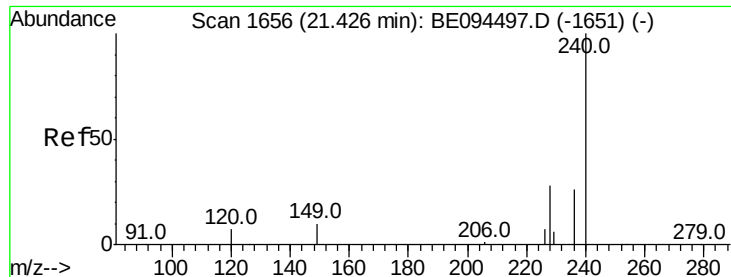
Delta R.T. -0.01 min

Lab File: BE094790.D

Acq: 8 Nov 2017 19:29

Tgt Ion:	202	Resp:	13909
Ion Ratio	Lower	Upper	
202	100		
101	12.0	9.8	14.8
203	17.0	13.7	20.5





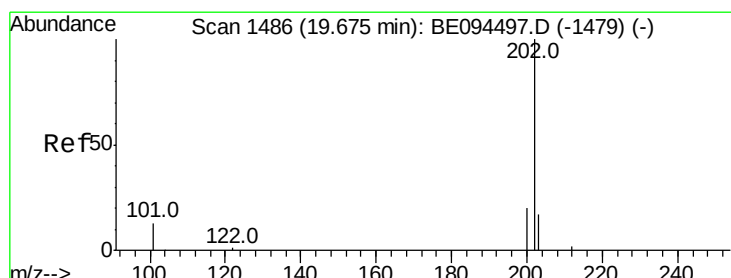
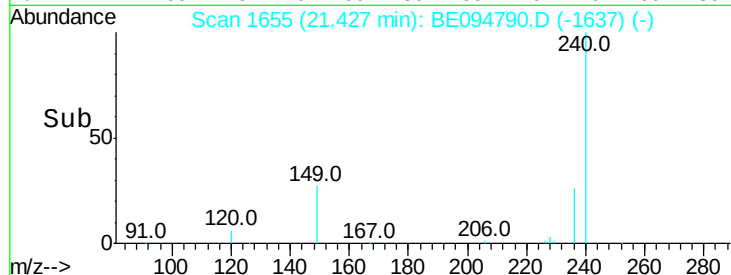
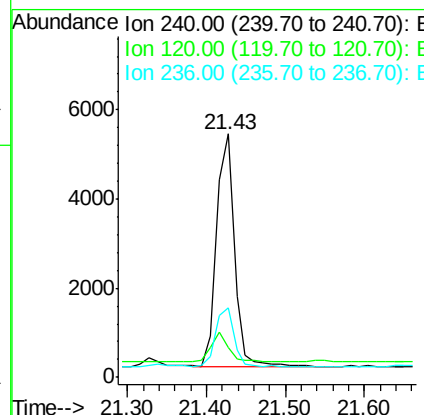
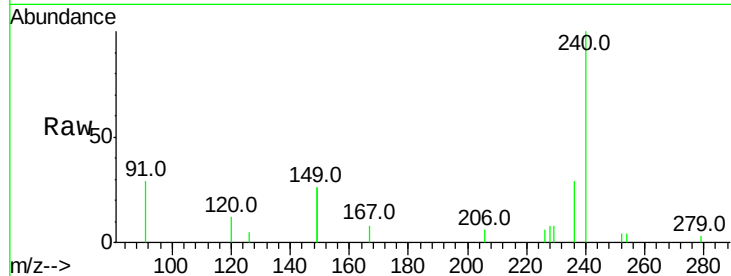
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BE094790.D
Acq: 8 Nov 2017 19:29

Instrument :
BNA_E
ClientSampleId :
MW-4

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.3	5.5	8.3#
236	28.6	20.7	31.1

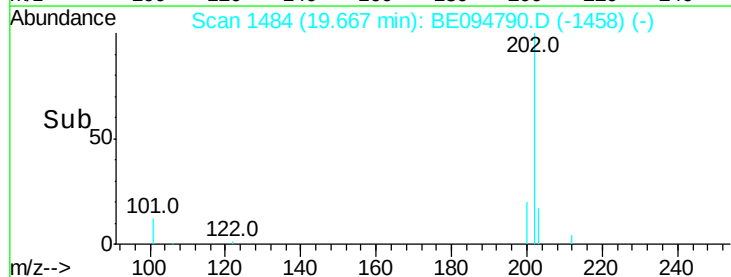
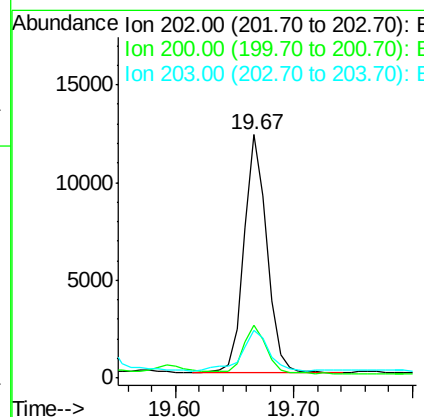
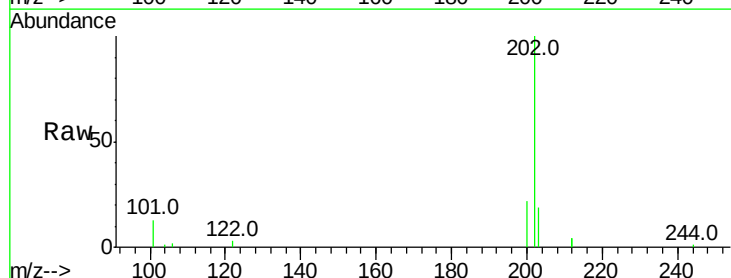
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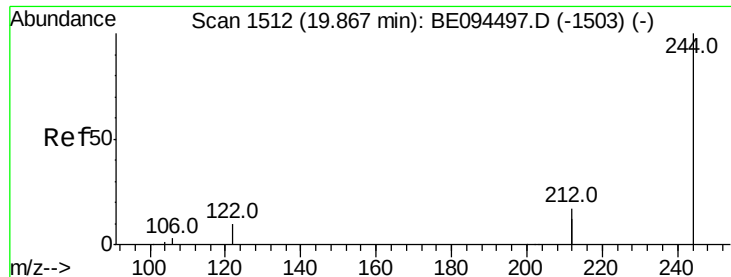
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#28
Pyrene
Concen: 0.563 ng
RT: 19.67 min Scan# 1484
Delta R.T. -0.01 min
Lab File: BE094790.D
Acq: 8 Nov 2017 19:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	19.8	13.8	20.8





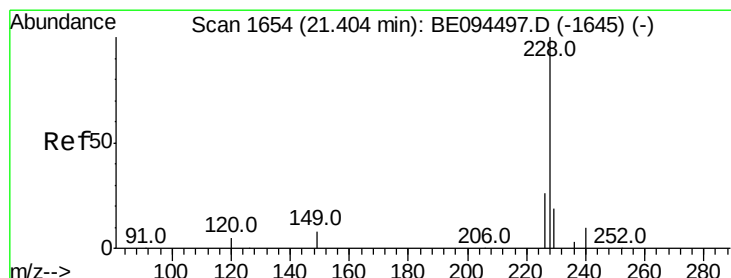
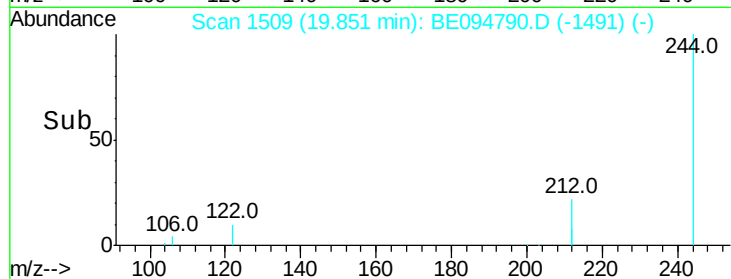
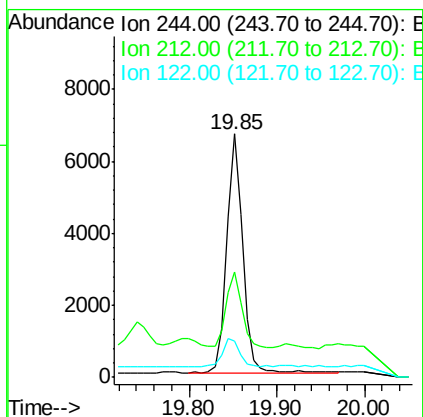
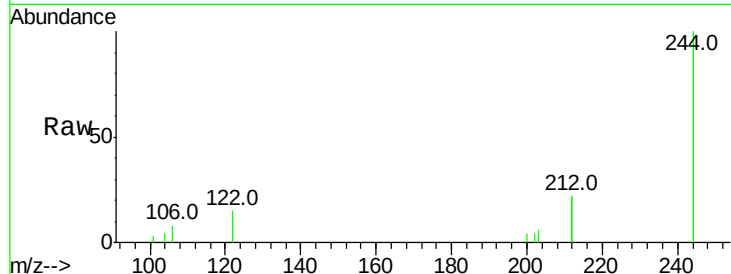
#29
 Terphenyl-d14
 Concen: 0.544 ng
 RT: 19.85 min Scan# 1509
 Delta R.T. -0.02 min
 Lab File: BE094790.D
 Acq: 8 Nov 2017 19:29

Instrument :
 BNA_E
 ClientSampled :
 MW-4

Tot Ion	Ratio	Lower	Upper
244	100		
212	43.2	25.4	38.0
122	14.8	8.1	12.1

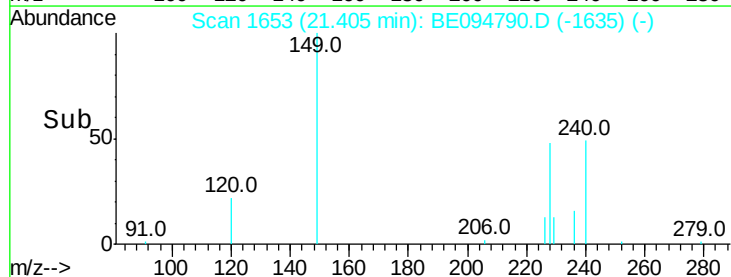
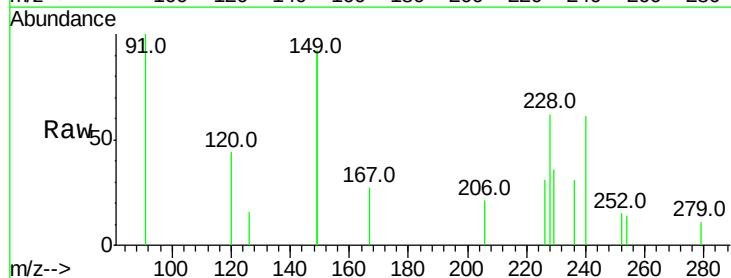
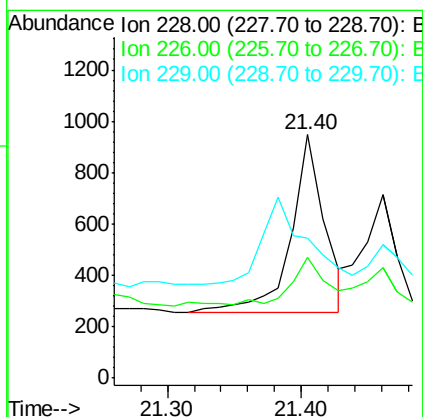
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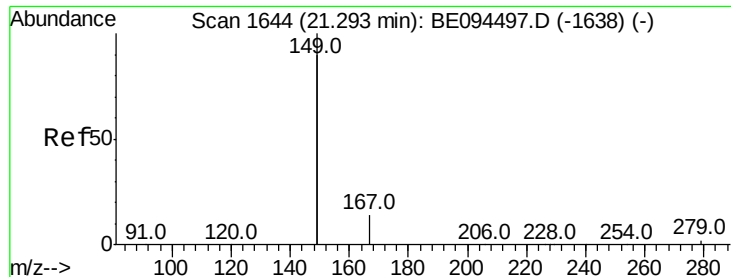
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#30
 Benzo(a)anthracene
 Concen: 0.045 ng
 RT: 21.40 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: BE094790.D
 Acq: 8 Nov 2017 19:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	49.6	40.0	60.0
229	57.4	40.0	60.0





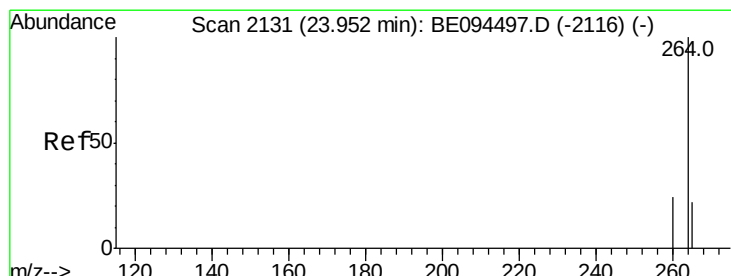
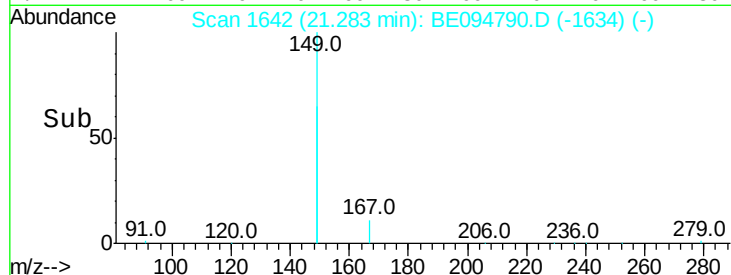
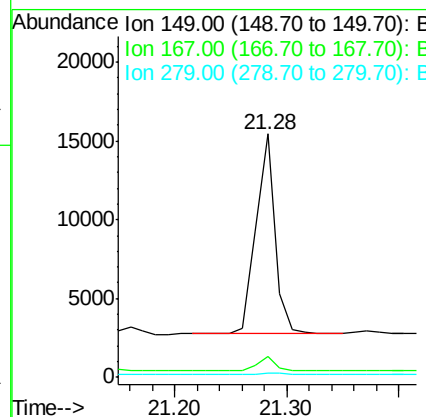
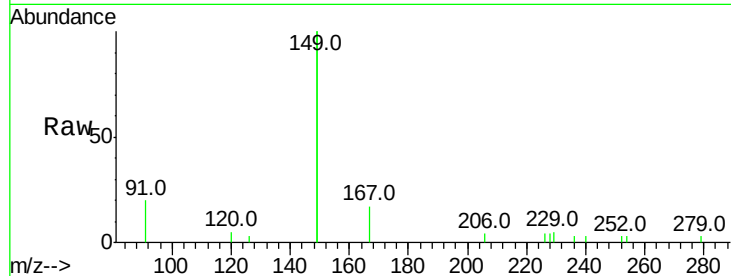
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.228 ng
 RT: 21.28 min Scan# 1642
 Delta R.T. -0.01 min
 Lab File: BE094790.D
 Acq: 8 Nov 2017 19:29

Instrument :
 BNA_E
 ClientSampleId :
 MW-4

Tot Ion	Ratio	Lower	Upper
149	100		
167	7.5	5.4	8.0
279	1.1	0.7	1.1

Manual Integrations
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.96 min Scan# 2133
 Delta R.T. 0.01 min
 Lab File: BE094790.D
 Acq: 8 Nov 2017 19:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.6	20.5	30.7
265	33.8	22.8	34.2

