

Data Path : Z:\HPCHEM1\BNA E\DATA\BE043018\
 Data File : BE096222.D
 Acq On : 30 Apr 2018 15:21
 Operator : SJ/JU
 Sample : J2463-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LF001MW001-180418

Manual Integrations
 APPROVED

Sohil
 5/1/2018 7:07:09 PM

Quant Time: May 01 03:32:30 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 14:27:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	822	0.40	ng	0.00
7) Naphthalene-d8	11.20	136	2894	0.40	ng	0.01
13) Acenaphthene-d10	14.93	164	9337	0.40	ng	-0.01
19) Phenanthrene-d10	17.65	188	3782	0.40	ng	0.00
27) Chrysene-d12	21.75	240	3798	0.40	ng	0.01
34) Perylene-d12	24.35	264	3743	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.87	112	554	0.22	ng	0.00
5) Phenol-d6	7.52	99	601	0.17	ng	0.00
8) Nitrobenzene-d5	9.54	82	2311	0.68	ng	0.00
11) 2-Methylnaphthalene-d10	12.74	152	1778	0.39	ng	0.00
14) 2,4,6-Tribromophenol	16.41	330	338	0.07	ng	0.00
15) 2-Fluorobiphenyl	13.59	172	2535	0.06	ng	0.01
25) Fluoranthene-d10	19.64	212	17476	0.34	ng	0.00
29) Terphenyl-d14	20.19	244	2452	0.29	ng	0.00
Target Compounds						
9) Naphthalene	11.26	128	3187679	104.482	ng	99
12) 2-Methylnaphthalene	12.81	142	78660	15.577	ng	95
18) Fluorene	15.97	166	1780	0.048	ng	# 74
23) Phenanthrene	17.70	178	627m	0.059	ng	
28) Pyrene	19.98	202	473	0.063	ng	# 79

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

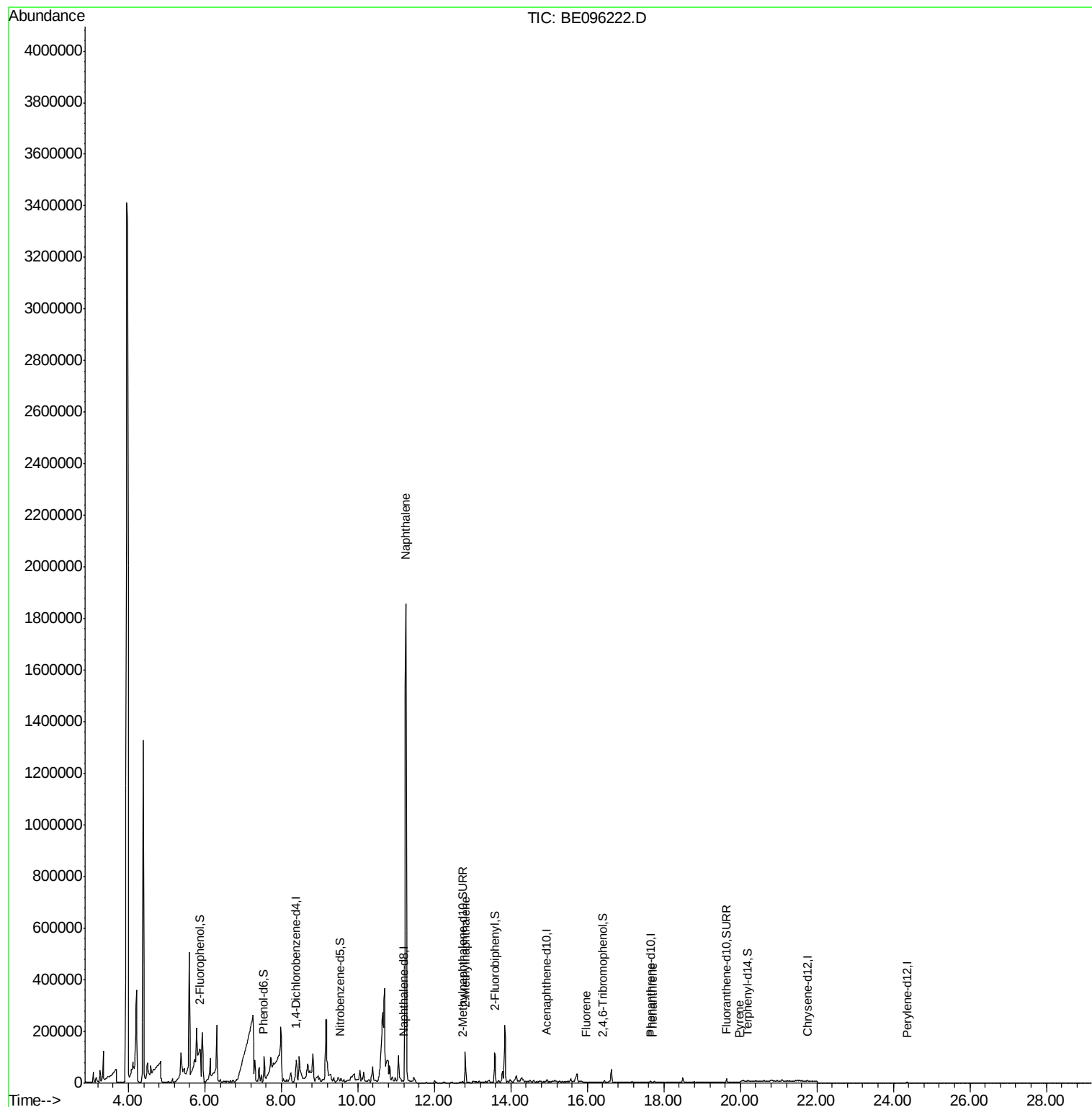
Data Path : Z:\HPCHEM1\BNA E\DATA\BE043018\
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Manual Integrations
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5/1/2018 7:07:09 PM

Quant Time: May 01 03:32:30 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 30 14:27:29 2018
Response via : Initial Calibration





#1

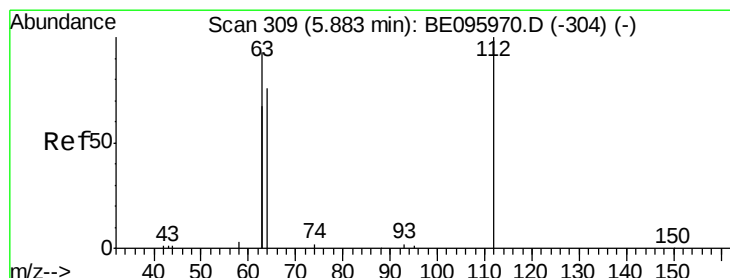
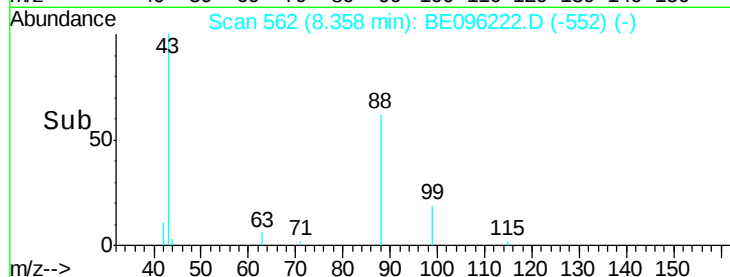
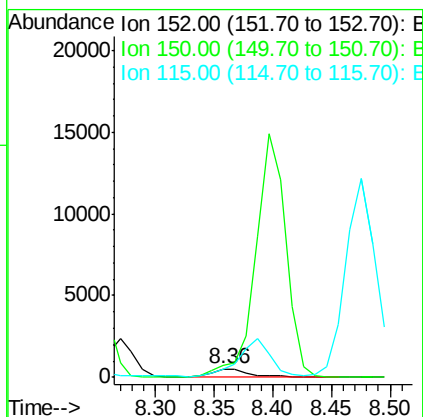
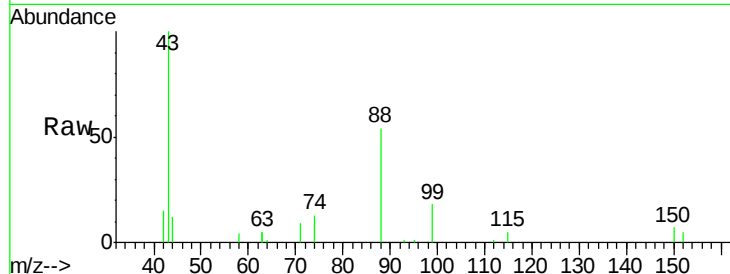
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.36 min Scan# 562
Delta R.T. -0.00 min
Lab File: BE096222.D
Acq: 30 Apr 2018 15:21

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.1	117.2	175.8
115	94.7	57.0	85.6

Manual Integrations
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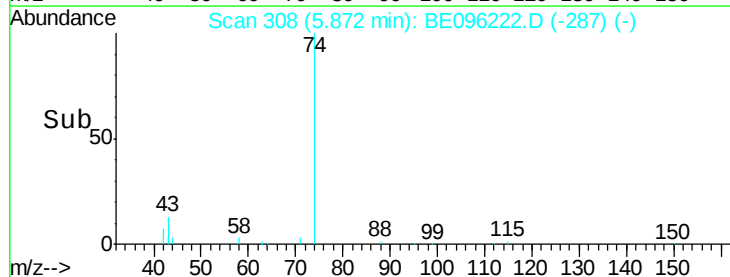
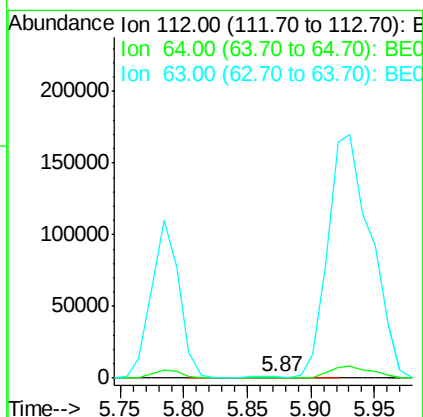
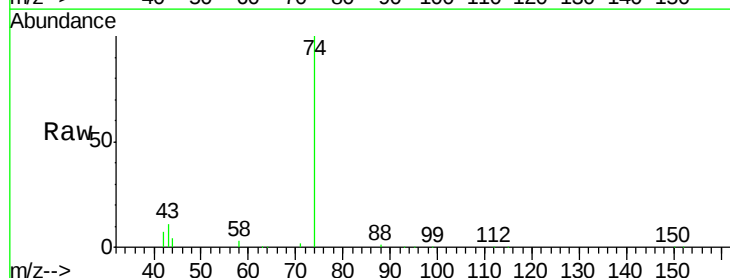
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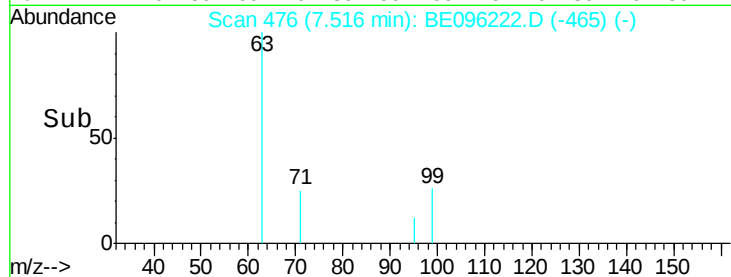
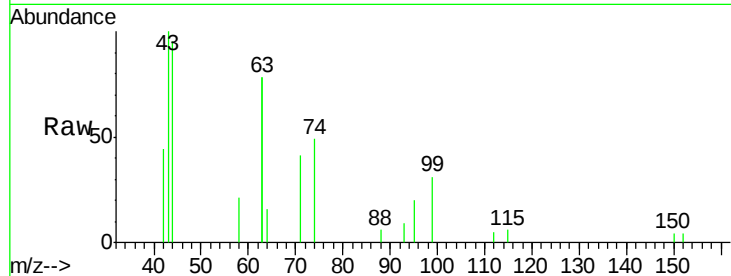


#4

2-Fluorophenol
Concen: 0.218 ng
RT: 5.87 min Scan# 308
Delta R.T. 0.01 min
Lab File: BE096222.D
Acq: 30 Apr 2018 15:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	60.1	90.1
63	0.0	116.8	175.2





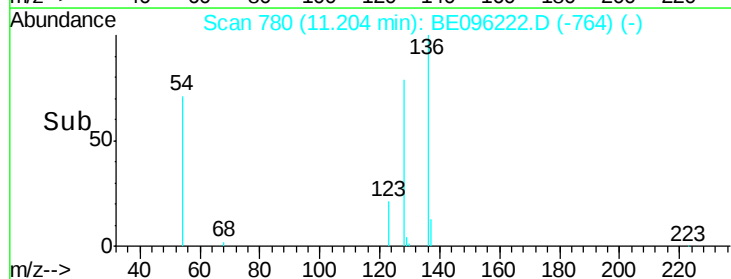
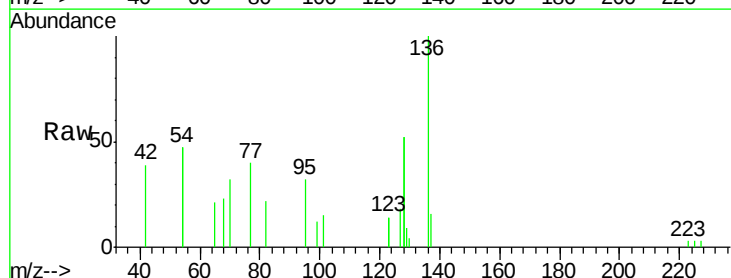
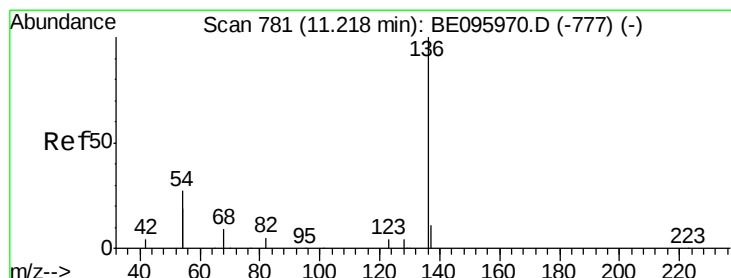
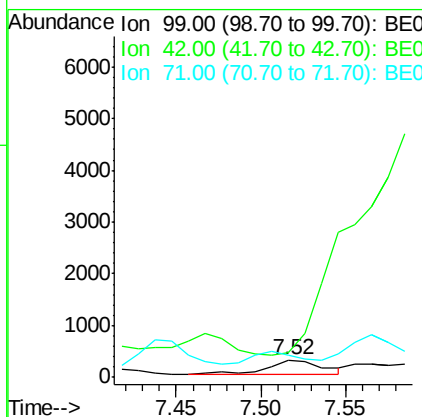
#5
Phenol-d6
Concen: 0.171 ng
RT: 7.52 min Scan# 476
Delta R.T. 0.01 min
Lab File: BE096222.D
Acq: 30 Apr 2018 15:21

Tot Ion	Ratio	Lower	Upper
99	100		
42	0.0	20.2	30.2#
71	81.7	28.4	42.6#

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418

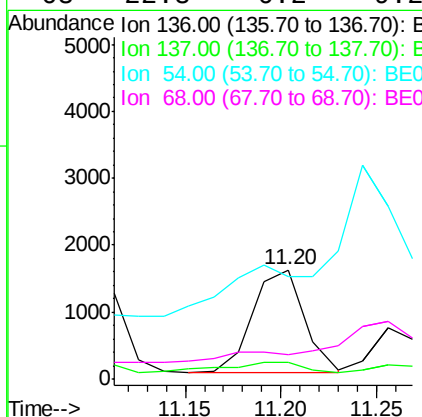
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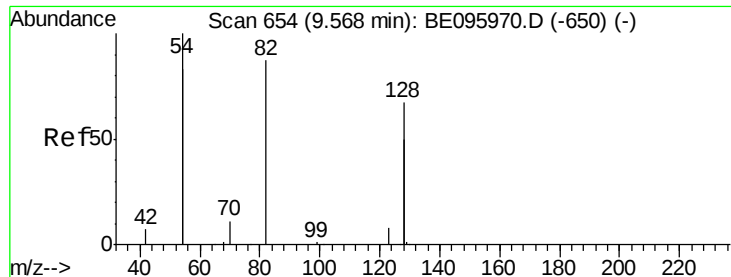
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.20 min Scan# 780
Delta R.T. 0.01 min
Lab File: BE096222.D
Acq: 30 Apr 2018 15:21

Tgt Ion	Ratio	Lower	Upper
136	100		
137	15.6	9.5	14.3#
54	93.5	29.1	43.7#
68	22.8	6.2	9.2#





#8

Nitrobenzene-d5

Concen: 0.681 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE096222.D

Acq: 30 Apr 2018 15:21

Instrument :

BNA_E

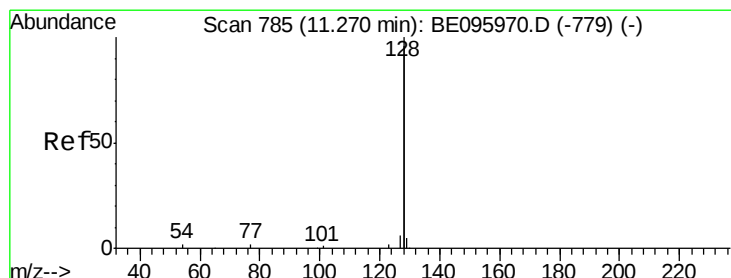
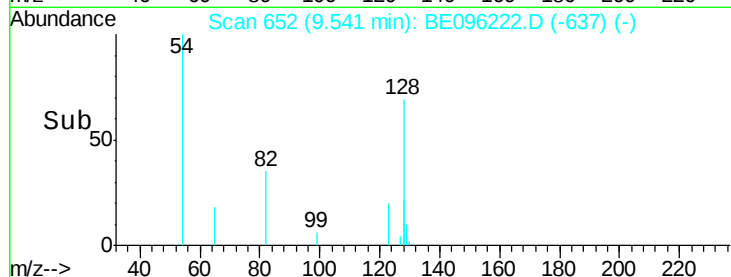
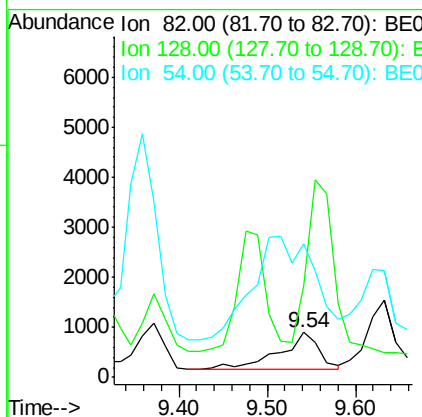
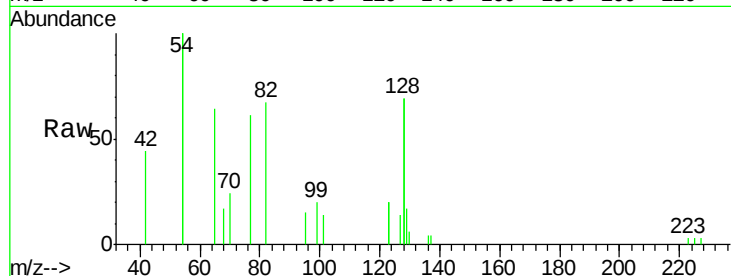
ClientSampleId :

LF001MW001-180418

Tot Ion:	82	Resp:	2311
Ion Ratio	Lower	Upper	
82	100		
128	204.9	150.0	225.0
54	299.0	154.2	231.4#

Manual Integrations
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#9

Naphthalene

Concen: 104.482 ng

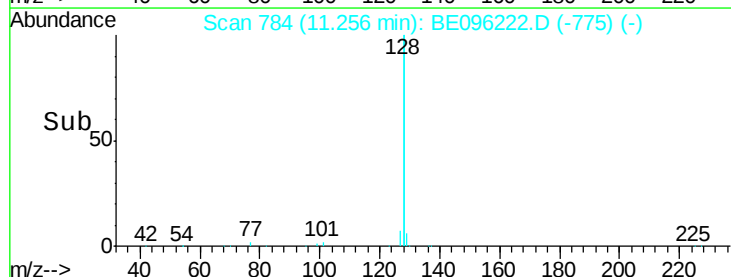
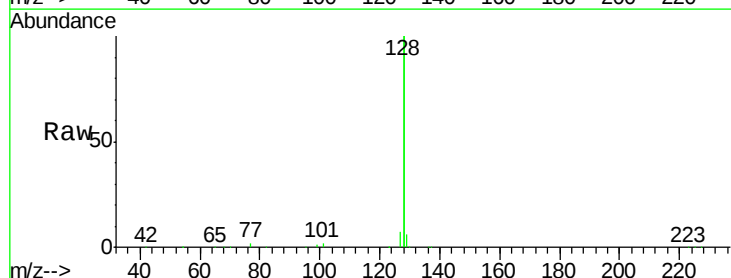
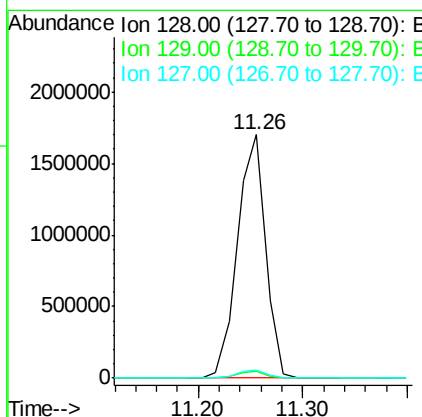
RT: 11.26 min Scan# 784

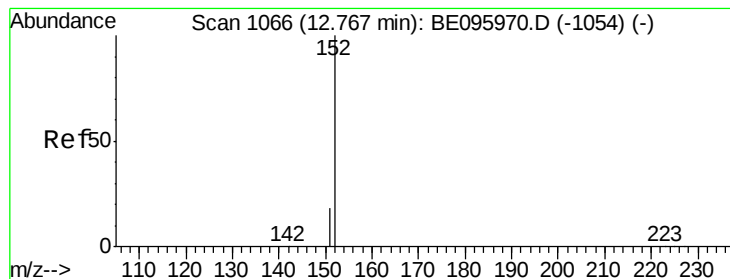
Delta R.T. 0.01 min

Lab File: BE096222.D

Acq: 30 Apr 2018 15:21

Tgt Ion:	128	Resp:	3187679
Ion Ratio	Lower	Upper	
128	100		
129	2.8	2.6	3.8
127	3.4	2.8	4.2





#11

2-Methylnaphthalene-d10

Concen: 0.388 ng

RT: 12.74 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE096222.D

Acq: 30 Apr 2018 15:21

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418

Tot Ion:152 Resp: 1778

Ion Ratio Lower Upper

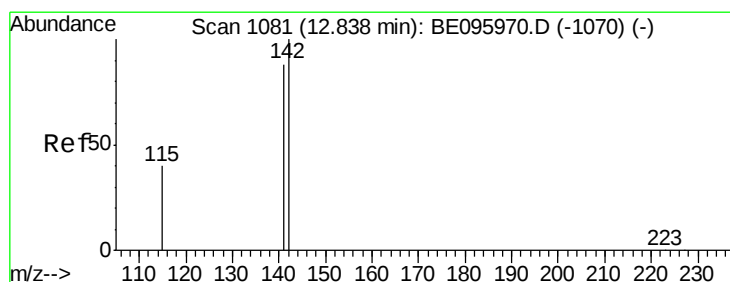
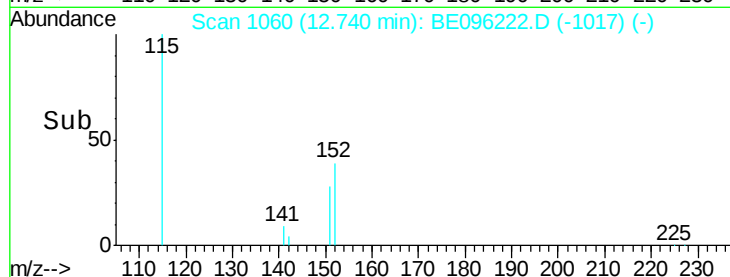
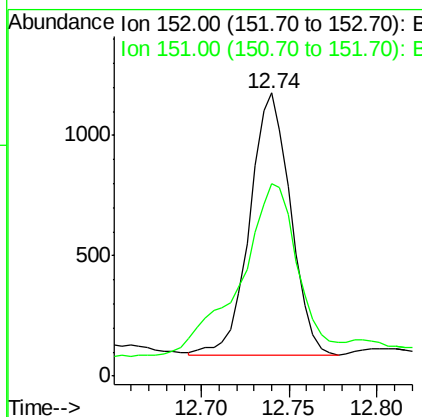
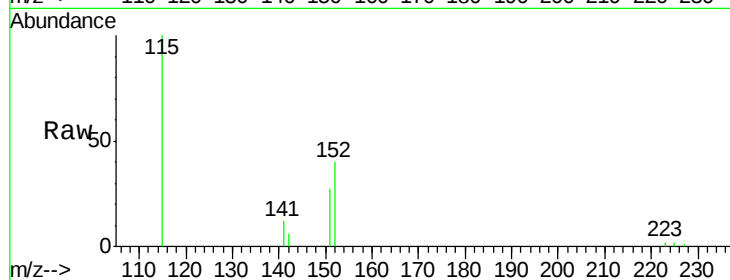
152 100

151 94.1 15.4 23.0#

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#12

2-Methylnaphthalene

Concen: 15.577 ng

RT: 12.81 min Scan# 1075

Delta R.T. 0.00 min

Lab File: BE096222.D

Acq: 30 Apr 2018 15:21

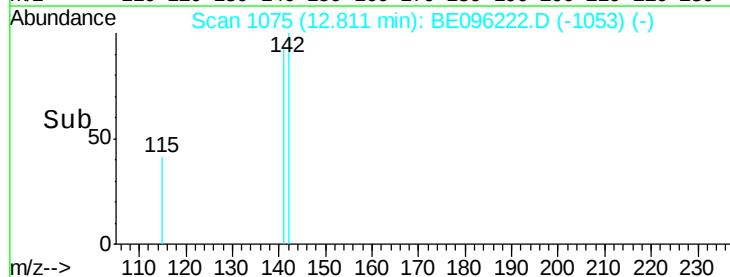
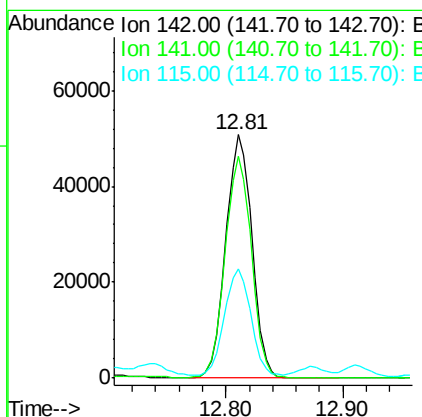
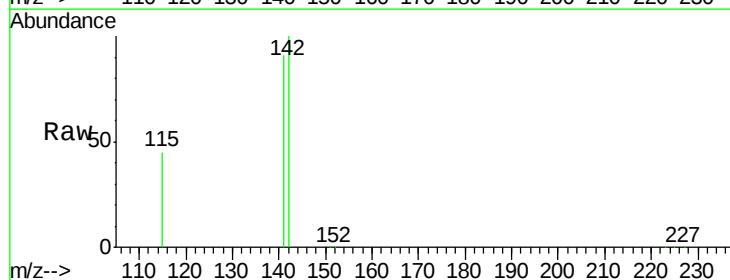
Tgt Ion:142 Resp: 78660

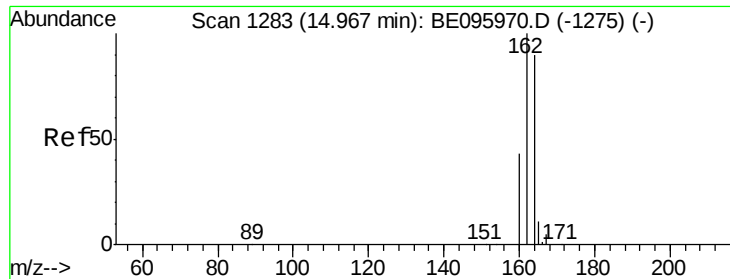
Ion Ratio Lower Upper

142 100

141 91.4 70.4 105.6

115 44.8 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.93 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BE096222.D

Acq: 30 Apr 2018 15:21

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418

Tot Ion:164 Resp: 9337

Ion Ratio Lower Upper

164 100

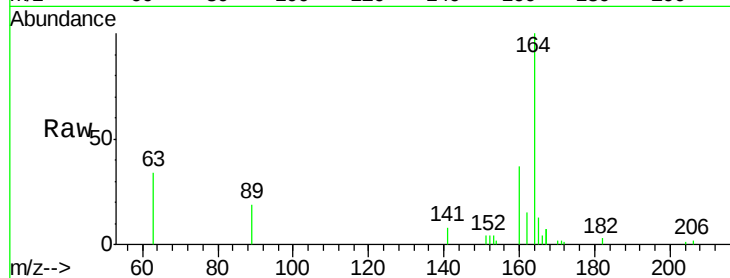
162 15.1 83.1 124.7#

160 36.7 37.1 55.7#

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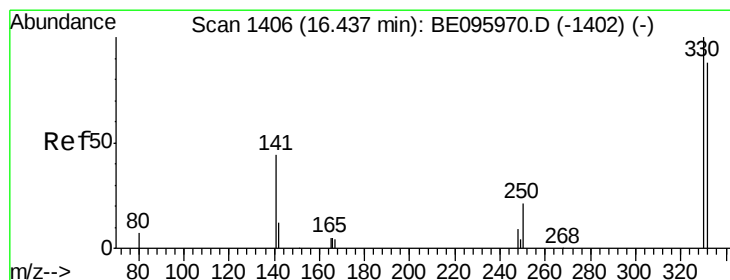
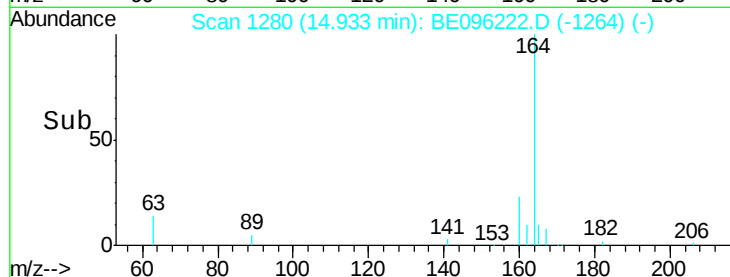
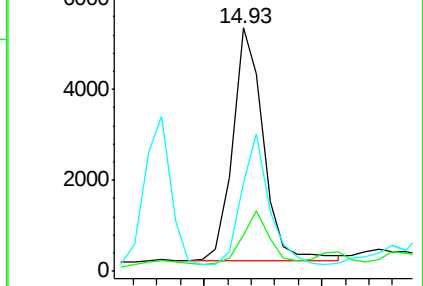
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.075 ng

RT: 16.41 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BE096222.D

Acq: 30 Apr 2018 15:21

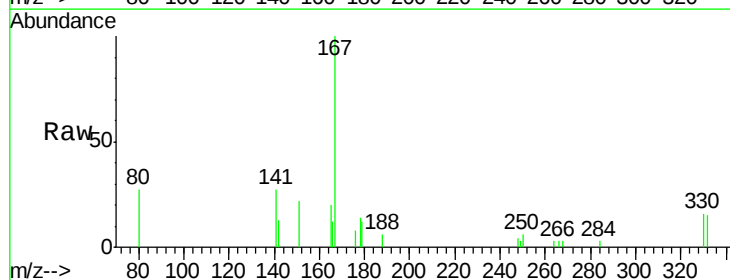
Tgt Ion:330 Resp: 338

Ion Ratio Lower Upper

330 100

332 100.0 152.7 229.1#

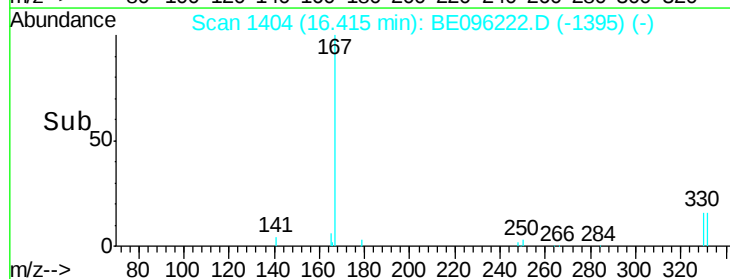
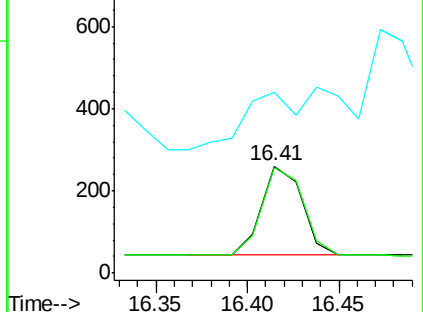
141 80.8 33.7 50.5#

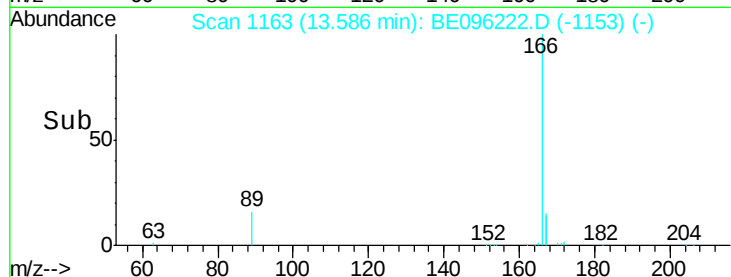
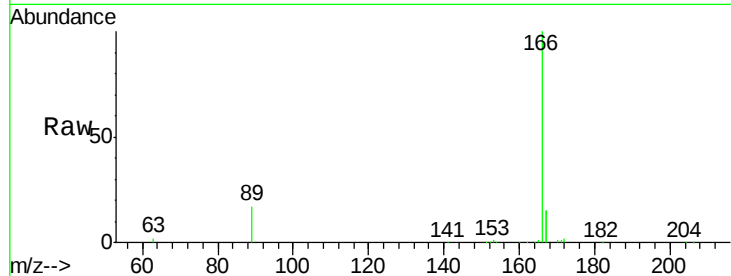
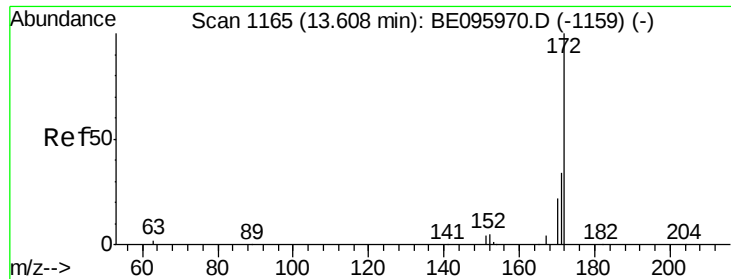


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





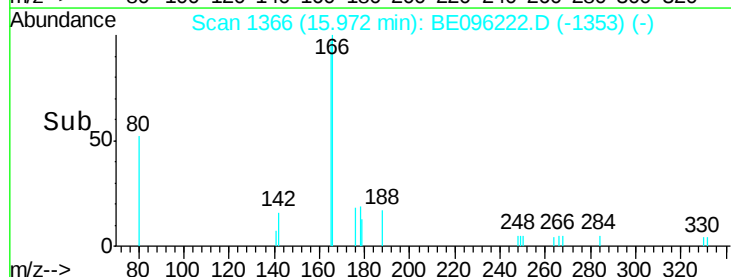
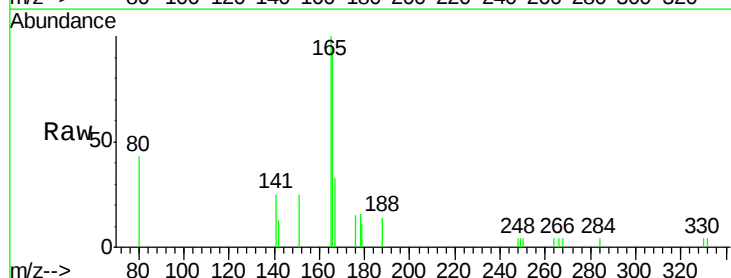
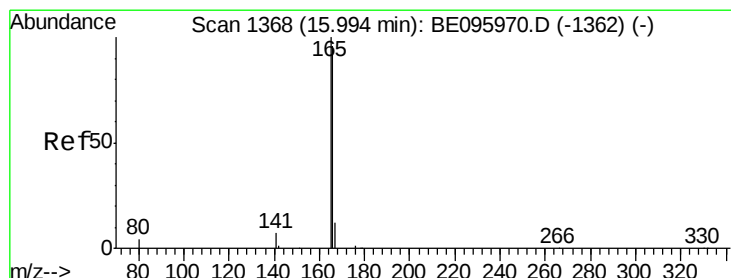
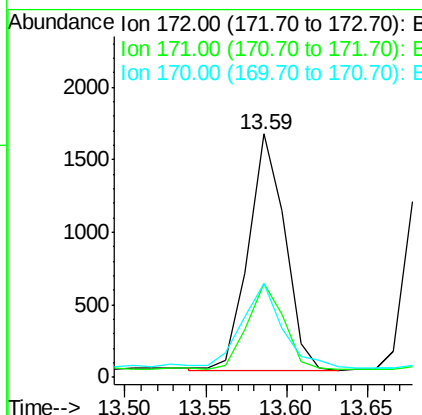
#15
2-Fluorobiphenyl
Concen: 0.063 ng
RT: 13.59 min Scan# 1163
Delta R.T. 0.01 min
Lab File: BE096222.D
Acq: 30 Apr 2018 15:21

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.7	29.9	44.9
170	38.5	21.8	32.8

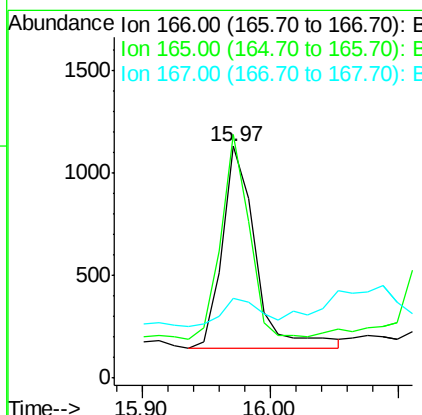
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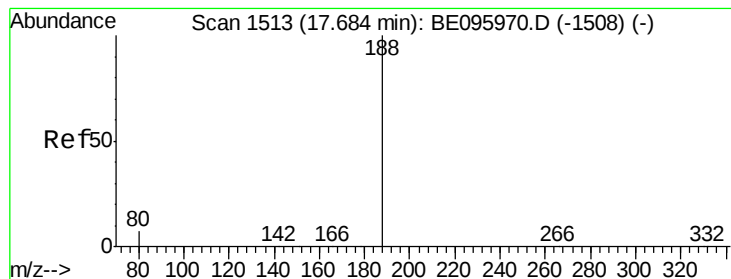
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#18
Fluorene
Concen: 0.048 ng
RT: 15.97 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BE096222.D
Acq: 30 Apr 2018 15:21

Tgt Ion	Ratio	Lower	Upper
166	100		
165	86.5	77.8	116.6
167	15.7	42.4	63.6





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.65 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE096222.D

Acq: 30 Apr 2018 15:21

Instrument :

BNA_E

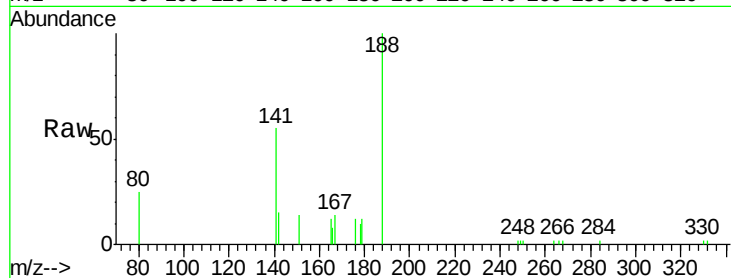
ClientSampleId :

LF001MW001-180418

Tot Ion:	188	Resp:	3782
Ion Ratio	Lower	Upper	
188	100		
94	0.0	3.9	5.9#
80	25.0	3.6	5.4#

Manual Integrations
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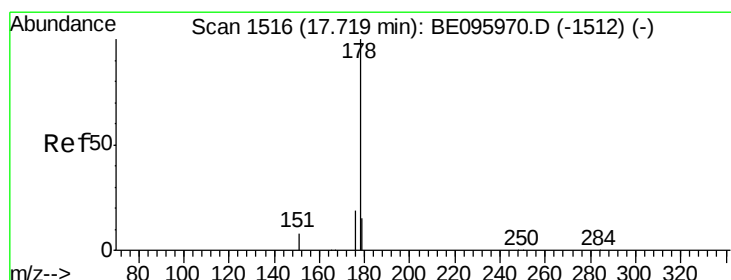
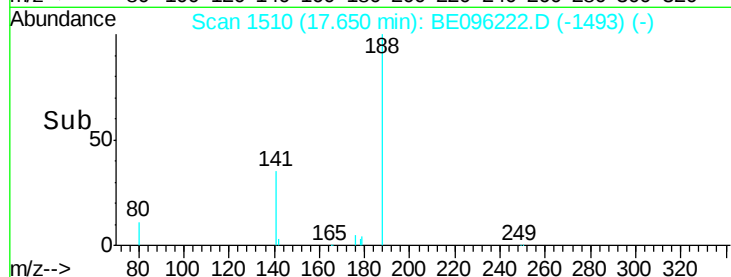
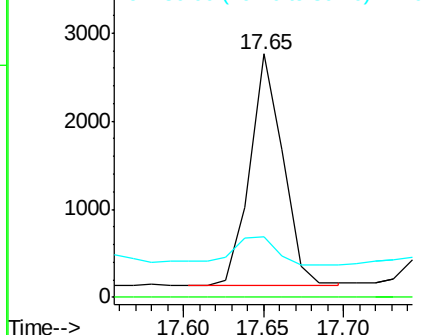
Sohil
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#23

Phenanthrene

Concen: 0.059 ng m

RT: 17.70 min Scan# 1514

Delta R.T. 0.00 min

Lab File: BE096222.D

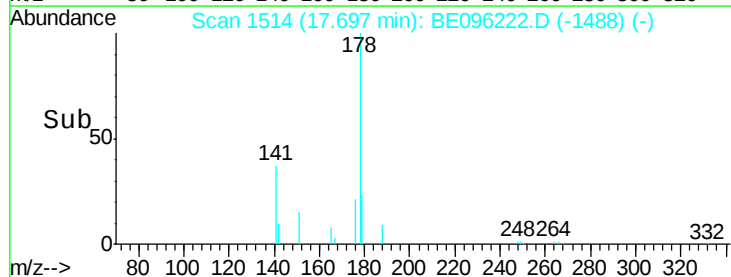
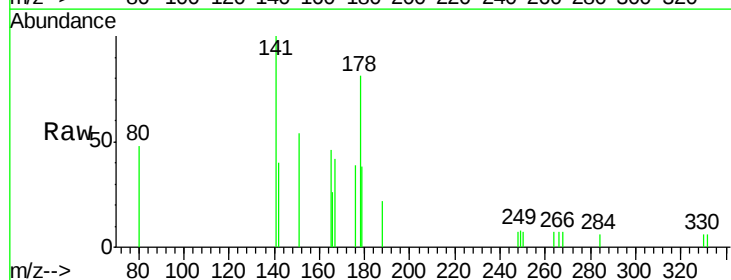
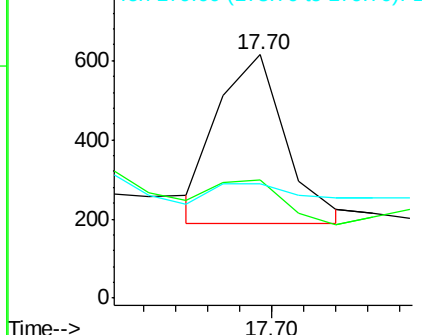
Acq: 30 Apr 2018 15:21

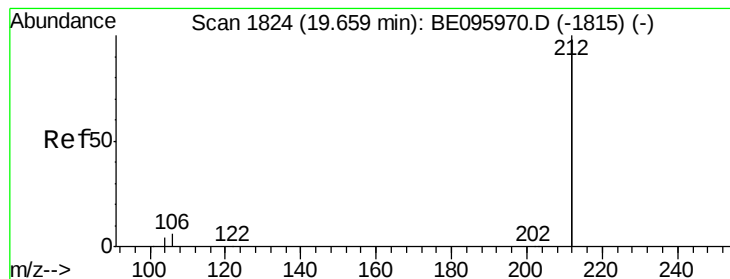
Tgt Ion:	178	Resp:	627
Ion Ratio	Lower	Upper	
178	100		
176	0.0	15.1	22.7#
179	0.0	11.8	17.6#

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.340 ng

RT: 19.64 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BE096222.D

Acq: 30 Apr 2018 15:21

Instrument :

BNA_E

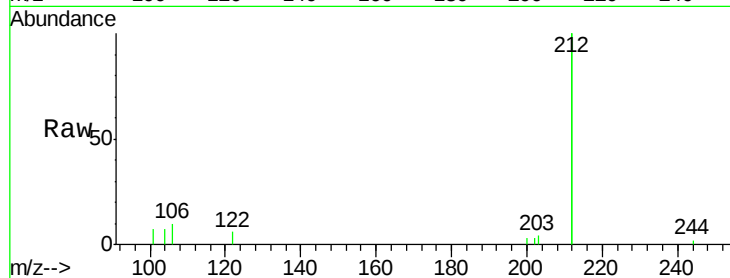
ClientSampleId :

LF001MW001-180418

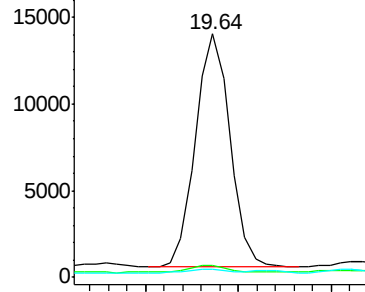
Tot Ion:	212	Resp:	17476
Ion Ratio	Lower	Upper	
212	100		
106	3.0	2.8	4.2
104	1.9	1.6	2.4

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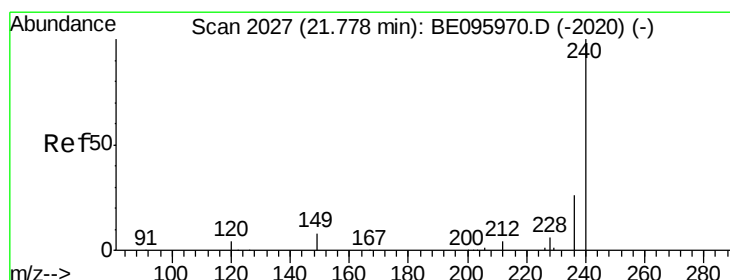
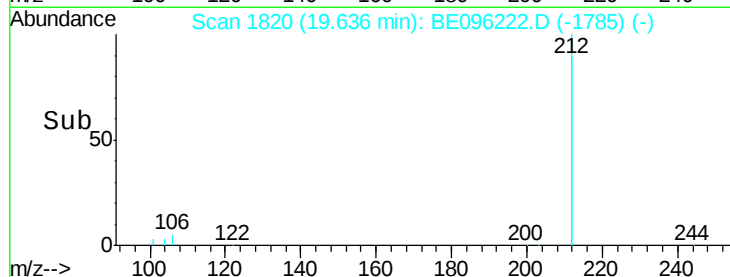
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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



Time-->



#27

Chrysene-d12

Concen: 0.400 ng

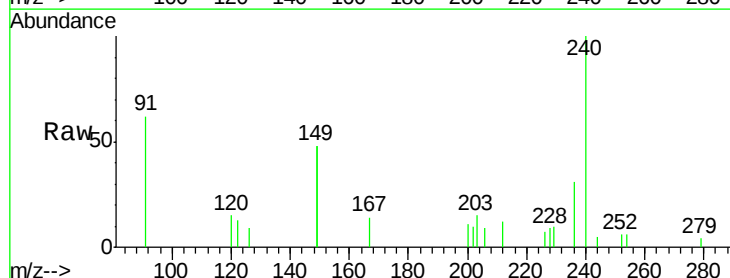
RT: 21.75 min Scan# 2025

Delta R.T. 0.01 min

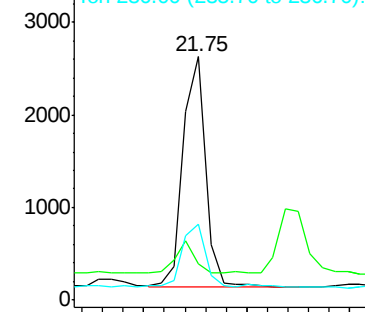
Lab File: BE096222.D

Acq: 30 Apr 2018 15:21

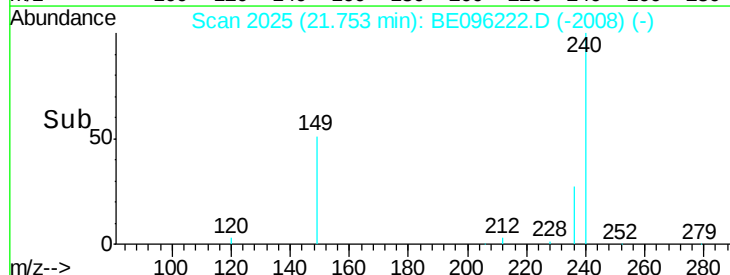
Tgt Ion:	240	Resp:	3798
Ion Ratio	Lower	Upper	
240	100		
120	14.8	5.5	8.3#
236	31.2	20.7	31.1#

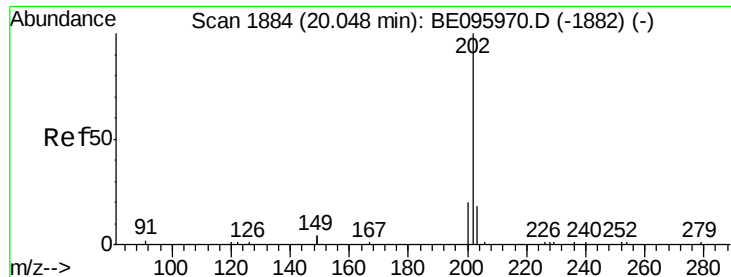


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





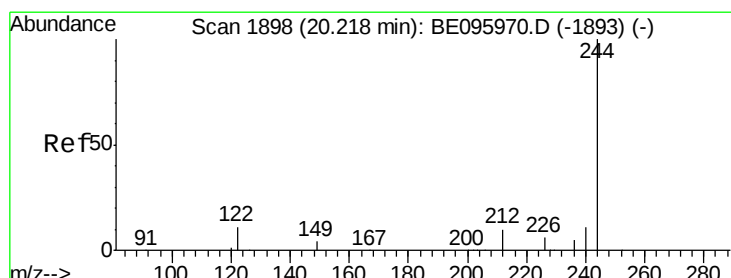
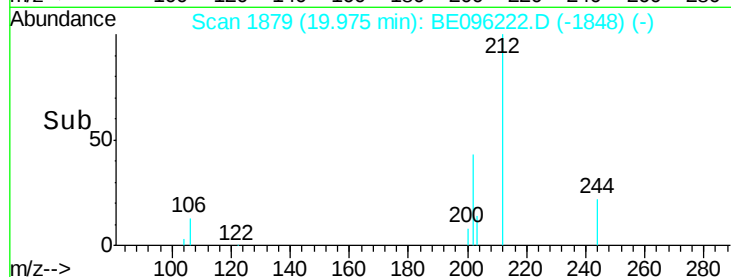
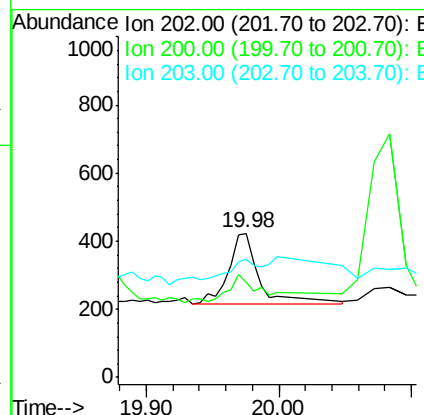
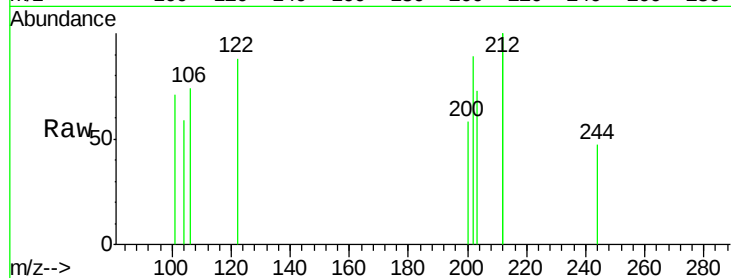
#28
Pvrene
Concen: 0.063 ng
RT: 19.98 min Scan# 1879
Delta R.T. -0.02 min
Lab File: BE096222.D
Acq: 30 Apr 2018 15:21

Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418

Tot Ion	Ratio	Lower	Upper
202	100		
200	25.4	16.6	25.0#
203	32.3	13.8	20.8#

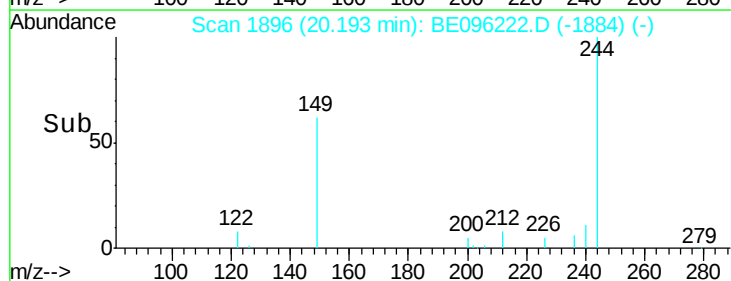
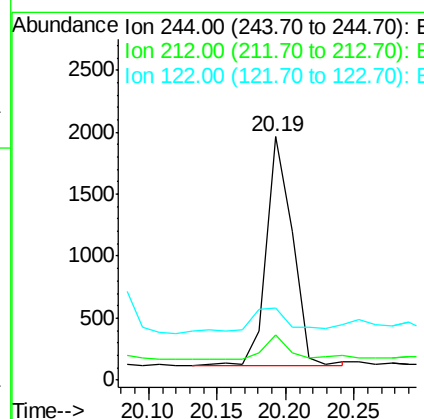
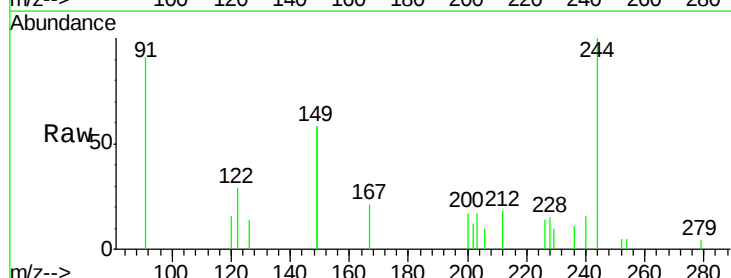
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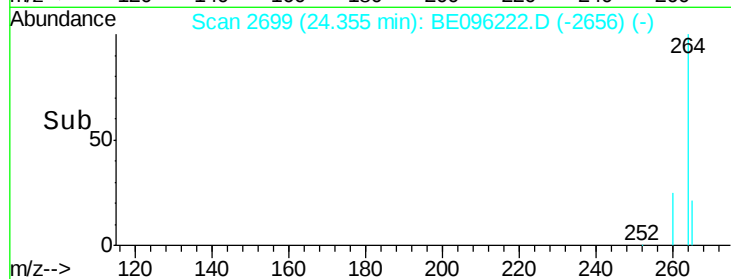
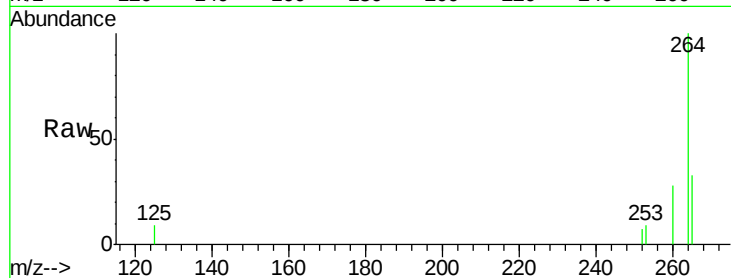
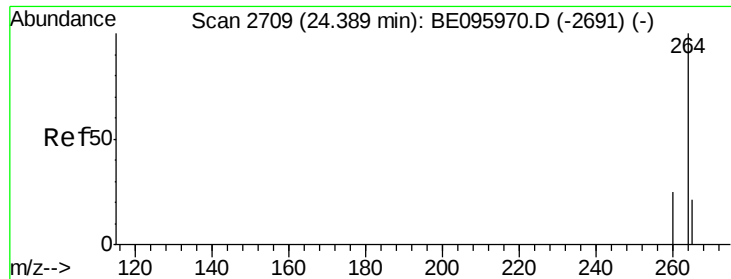
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#29
Terphenyl-d14
Concen: 0.292 ng
RT: 20.19 min Scan# 1896
Delta R.T. -0.00 min
Lab File: BE096222.D
Acq: 30 Apr 2018 15:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	18.3	25.4	38.0#
122	29.4	8.1	12.1#





#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 24.35 min Scan# 2699
 Delta R.T. 0.00 min
 Lab File: BE096222.D
 Acq: 30 Apr 2018 15:21

Tot Ion:	264	Resp:	3743
Ion Ratio	Lower	Upper	
264	100		
260	28.0	20.5	30.7
265	33.1	22.8	34.2

Instrument :
 BNA_E
 ClientSampleId :
 LF001MW001-180418

Manual Integrations
 APPROVED

Sohil
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