

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE073118\
 Data File : BE097120.D
 Acq On : 31 Jul 2018 13:38
 Operator : SJ/JU
 Sample : J4211-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LW-07-072618

Manual Integrations
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 8/1/2018 4:50:07 PM

Quant Time: Jul 31 15:16:50 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 10:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1573	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	7729	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	4828	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	13813	0.40	ng	0.00
27) Chrysene-d12	20.98	240	15794	0.40	ng	0.00
34) Perylene-d12	23.21	264	15005	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	719	0.16	ng	0.01
5) Phenol-d6	6.61	99	595	0.09	ng	0.01
8) Nitrobenzene-d5	8.53	82	3026	0.45	ng	0.01
11) 2-Methylnaphthalene-d10	11.73	152	4665	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	866	0.54	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	7893	0.47	ng	0.00
25) Fluoranthene-d10	18.81	212	71467	0.52	ng	0.00
29) Terphenyl-d14	19.43	244	14497	0.48	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	521	0.208	ng	# 69
18) Fluorene	15.08	166	447	0.027	ng	# 77
23) Phenanthrene	16.81	178	24120	0.733	ng	# 98
24) Anthracene	16.89	178	3388	0.115	ng	# 92
26) Fluoranthene	18.84	202	32263	0.873	ng	# 97
28) Pyrene	19.21	202	23834	0.550	ng	# 96
30) Benzo(a)anthracene	20.95	228	5466	0.139	ng	# 91
31) Chrysene	21.00	228	5934	0.141	ng	# 87
32) Bis(2-ethylhexyl)phthalate	20.92	149	8717	0.211	ng	# 99
35) Benzo(b)fluoranthene	22.54	252	3226	0.085	ng	# 71
36) Benzo(k)fluoranthene	22.58	252	1193m	0.027	ng	#
37) Benzo(a)pyrene	23.11	252	1032	0.029	ng	# 15

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

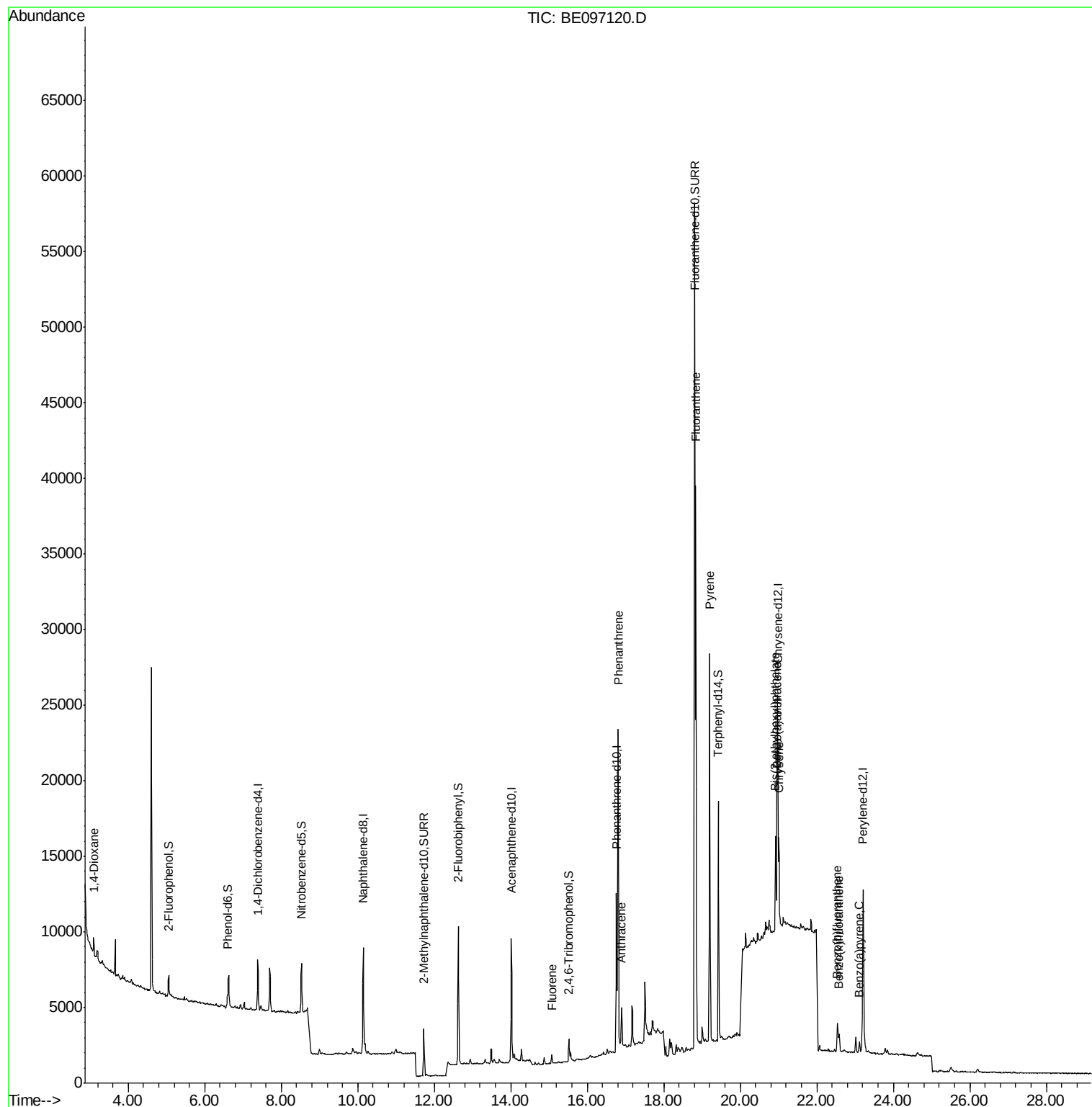
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE073118\
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ALS Vial : 9 Sample Multiplier: 1

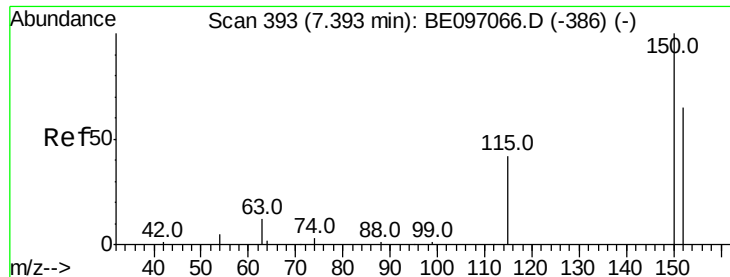
Instrument :
BNA_E
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LW-07-072618

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Quant Time: Jul 31 15:16:50 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 31 10:49:28 2018
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 393

Delta R.T. -0.00 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

Instrument :

BNA_E

ClientSampleId :

LW-07-072618

Tot Ion:152 Resp: 1573

Ion Ratio Lower Upper

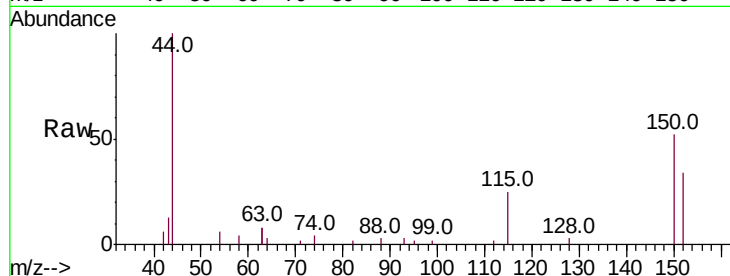
152 100

150 154.2 117.2 175.8

115 74.4 57.0 85.6

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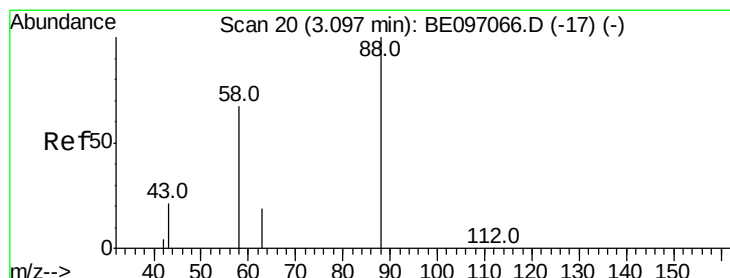
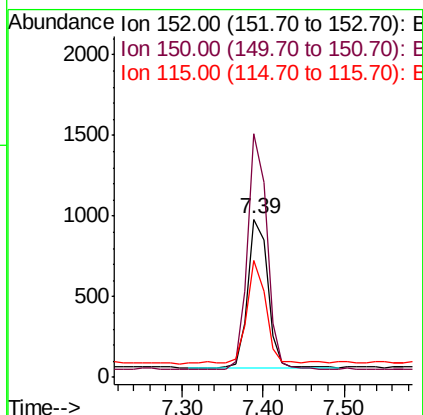
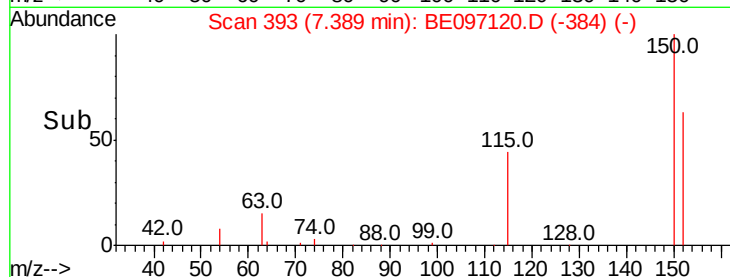
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.208 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

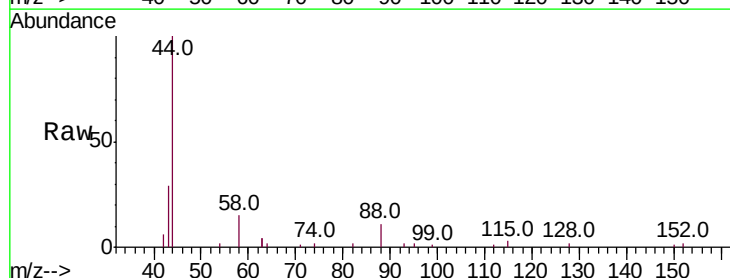
Tgt Ion: 88 Resp: 521

Ion Ratio Lower Upper

88 100

58 95.2 63.2 94.8#

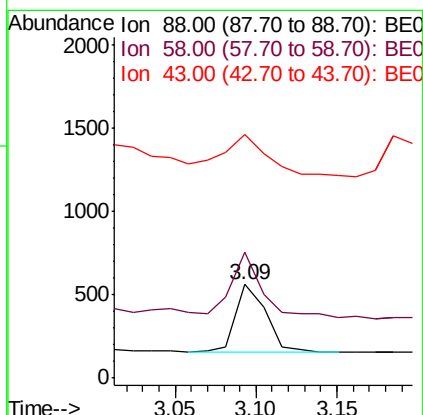
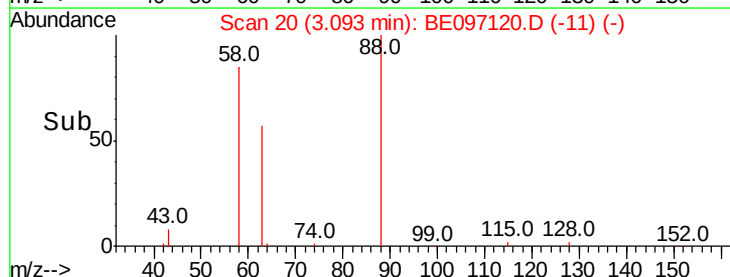
43 85.8 41.2 61.8#

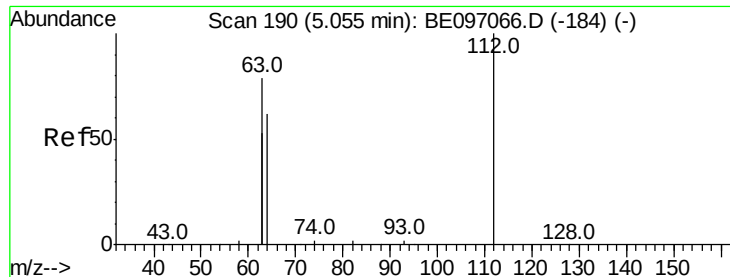


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.163 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

Instrument :

BNA_E

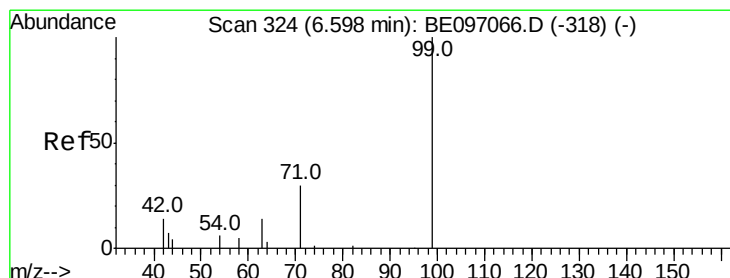
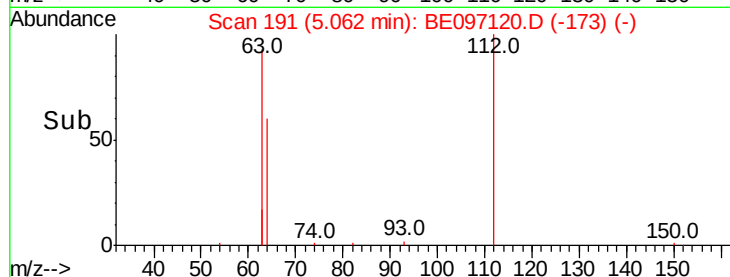
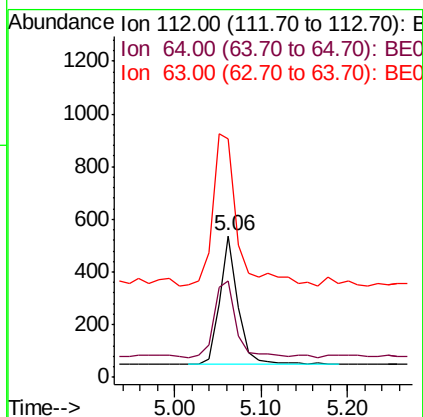
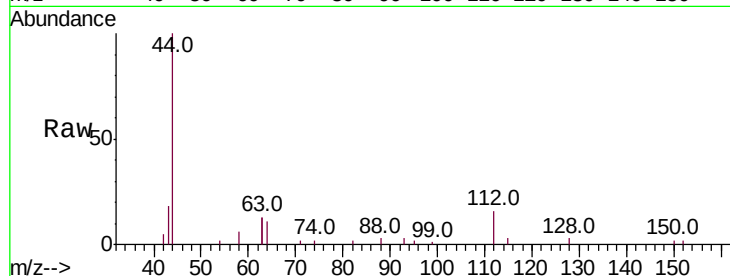
ClientSampleId :

LW-07-072618

Tot Ion:	112	Resp:	719
Ion	Ratio	Lower	Upper
112	100		
64	73.9	60.1	90.1
63	157.2	116.8	175.2

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#5

Phenol-d6

Concen: 0.092 ng

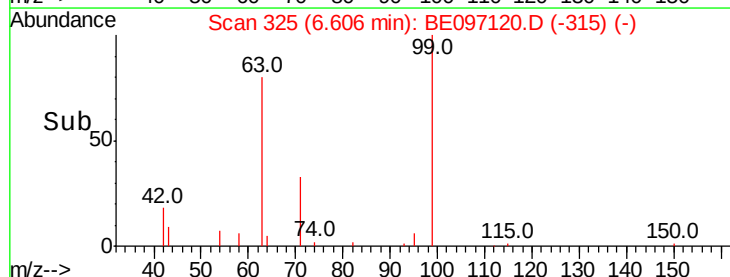
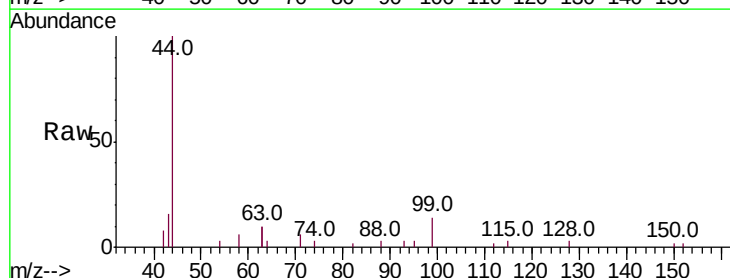
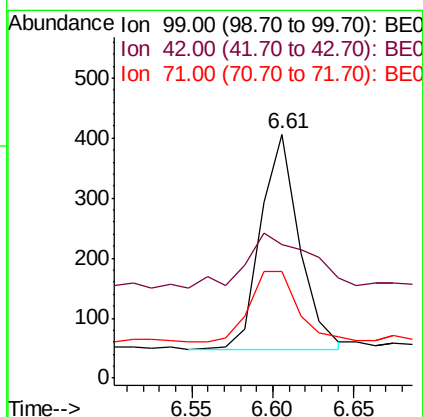
RT: 6.61 min Scan# 325

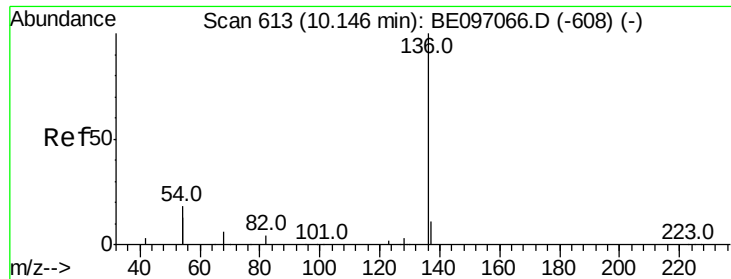
Delta R.T. 0.01 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

Tgt Ion:	99	Resp:	595
Ion	Ratio	Lower	Upper
99	100		
42	42.4	20.2	30.2#
71	41.7	28.4	42.6





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

Instrument :

BNA_E

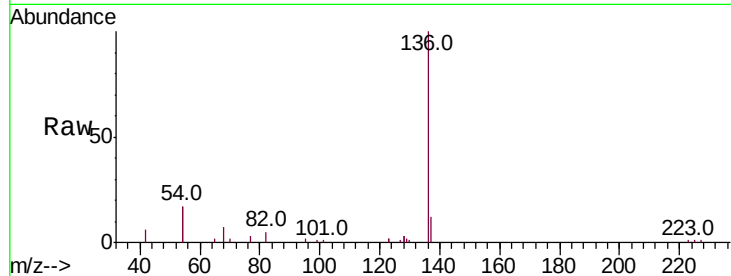
ClientSampleId :

LW-07-072618

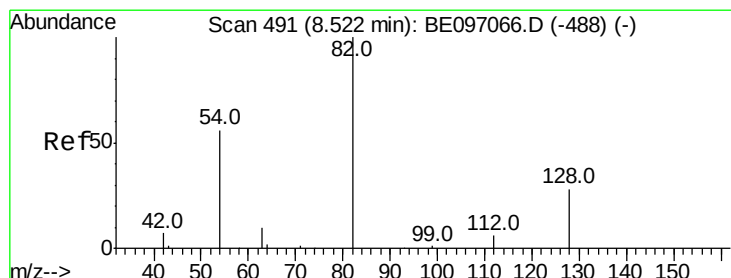
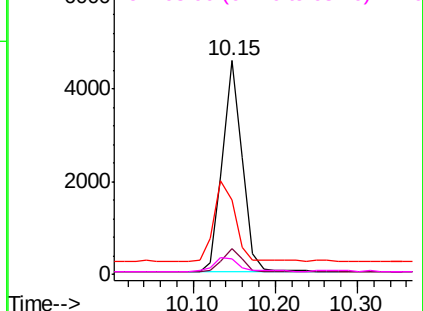
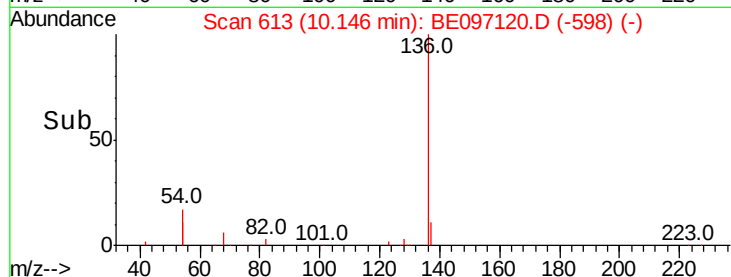
Tot Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.5	14.3
54	34.5	29.1	43.7
68	7.4	6.2	9.2

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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: 0.451 ng

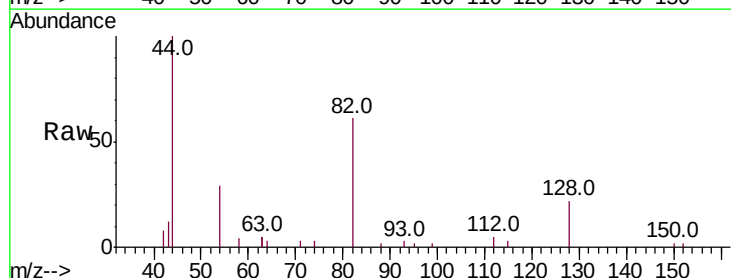
RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

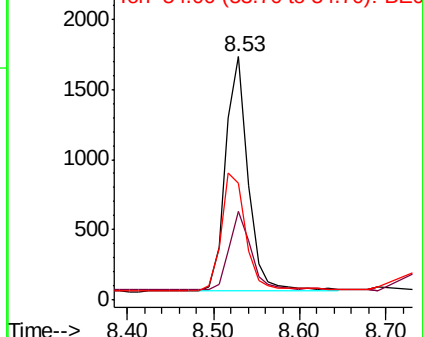
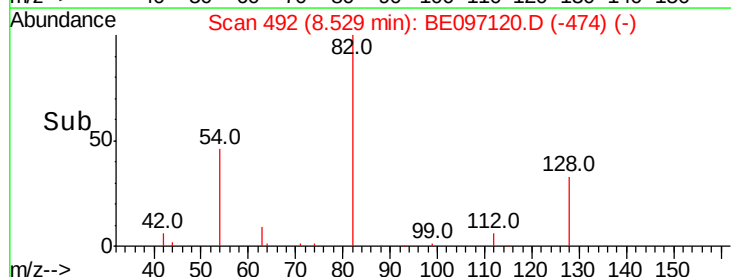
Lab File: BE097120.D

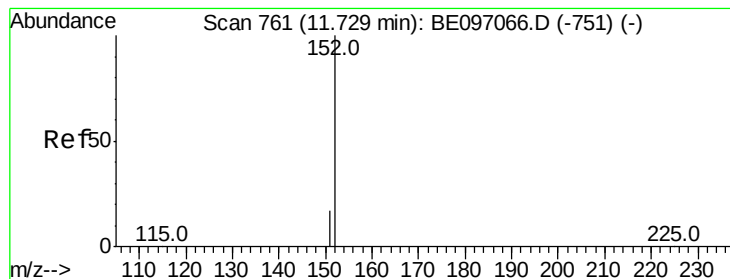
Acq: 31 Jul 2018 13:38

Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.5	24.0	36.0#
54	48.0	40.0	60.0



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





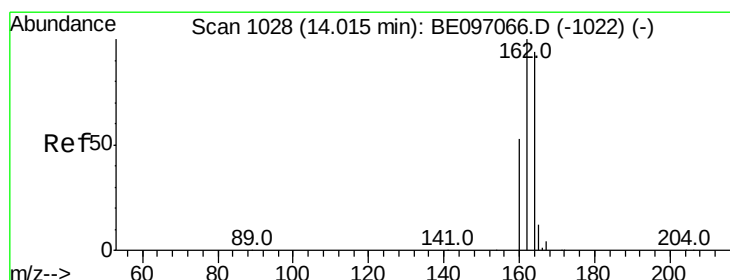
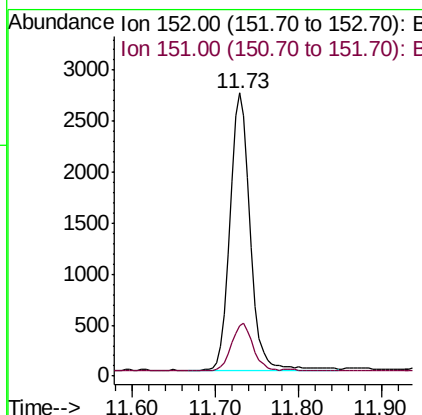
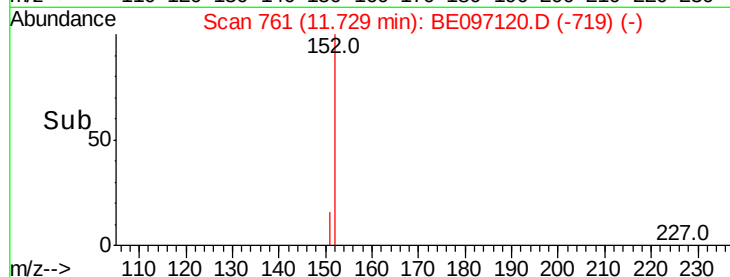
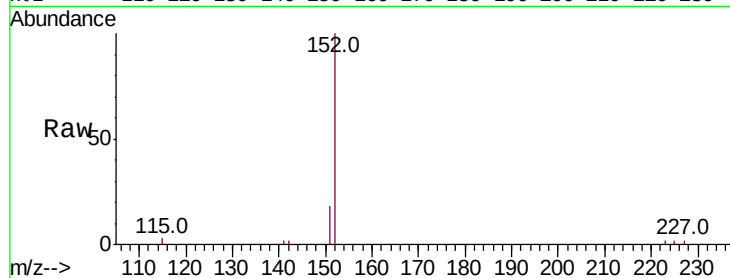
#11
2-Methylnaphthalene-d10
Concen: 0.403 ng
RT: 11.73 min Scan# 761
Delta R.T. 0.00 min
Lab File: BE097120.D
Acq: 31 Jul 2018 13:38

Instrument :
BNA_E
ClientSampleId :
LW-07-072618

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.5	15.4	23.0

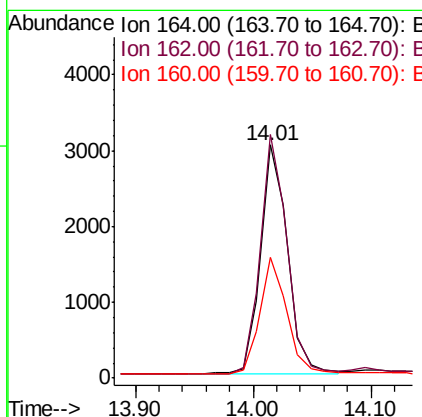
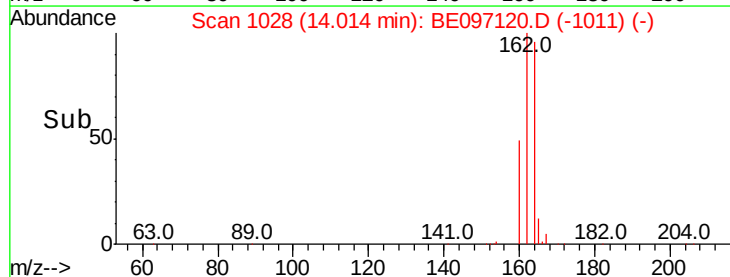
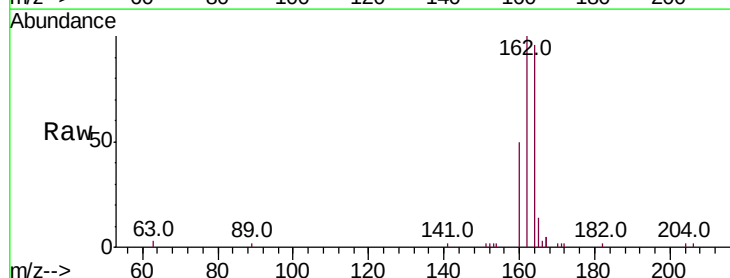
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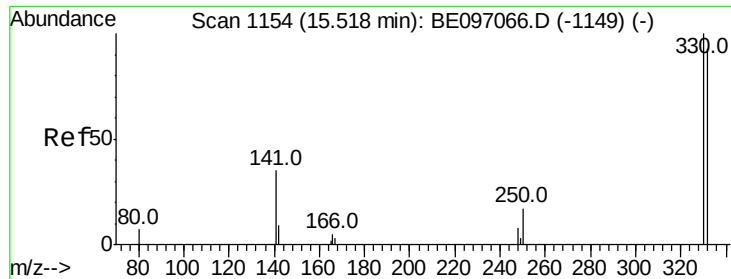
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BE097120.D
Acq: 31 Jul 2018 13:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	83.1	124.7
160	51.7	37.1	55.7





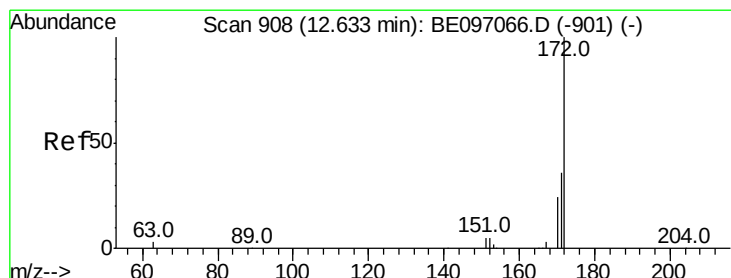
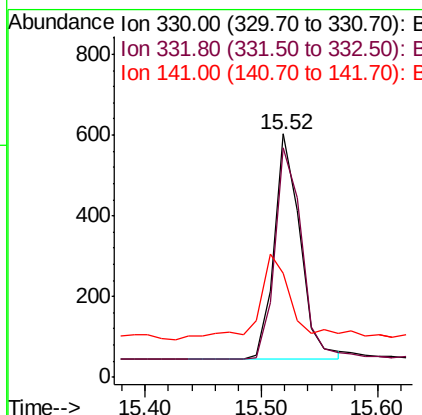
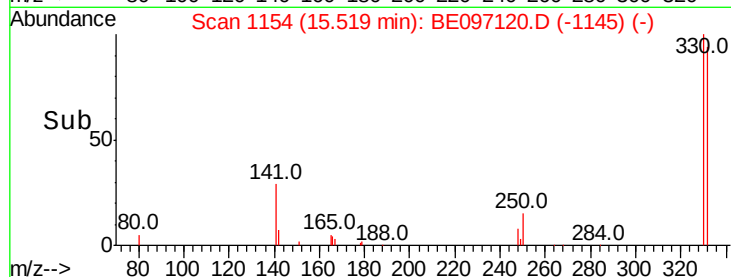
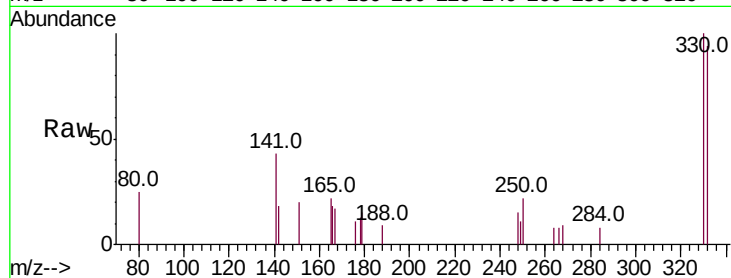
#14
 2,4,6-Tribromophenol
 Concen: 0.545 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE097120.D
 Acq: 31 Jul 2018 13:38

Instrument :
 BNA_E
 ClientSampleId :
 LW-07-072618

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	152.7	229.1#
141	39.1	33.7	50.5

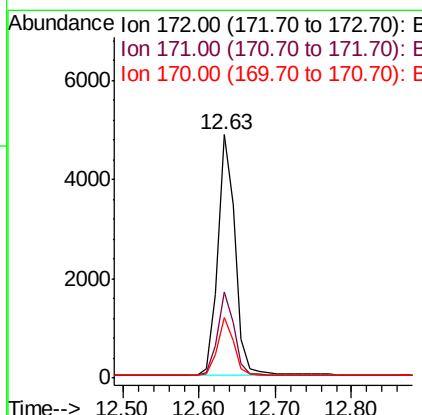
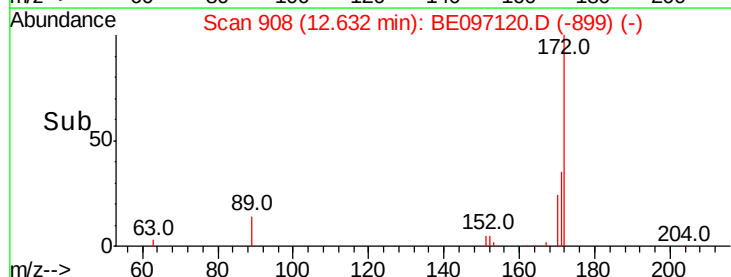
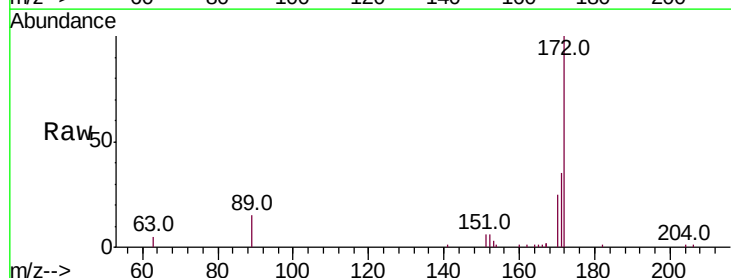
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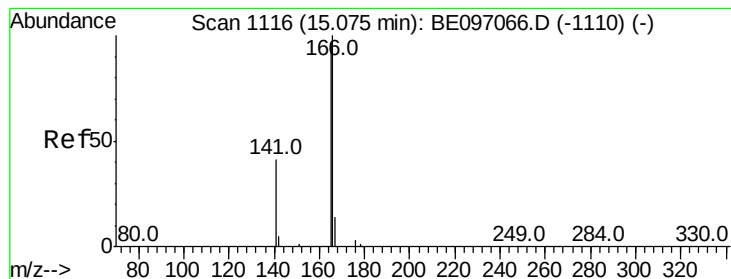
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#15
 2-Fluorobiphenyl
 Concen: 0.473 ng
 RT: 12.63 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: BE097120.D
 Acq: 31 Jul 2018 13:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.9	44.9
170	24.9	21.8	32.8





#18

Fluorene

Concen: 0.027 ng

RT: 15.08 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

Instrument :

BNA_E

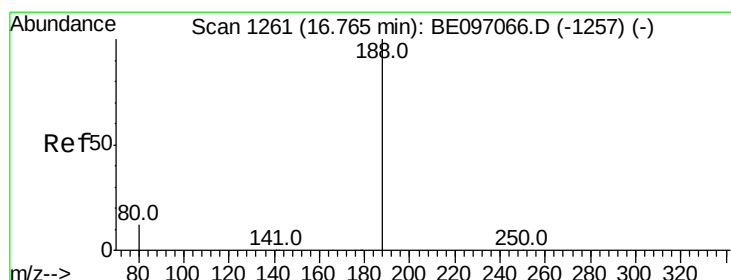
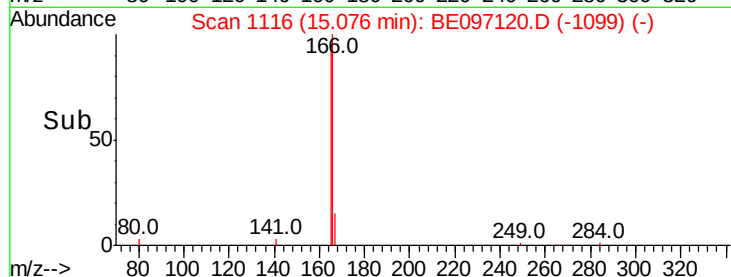
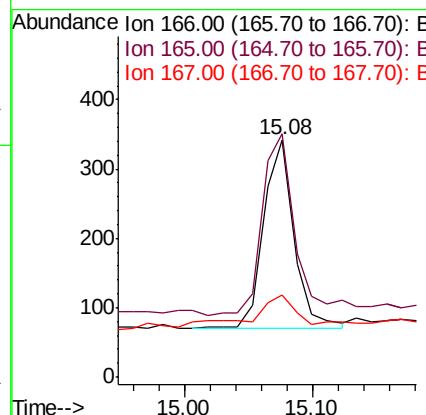
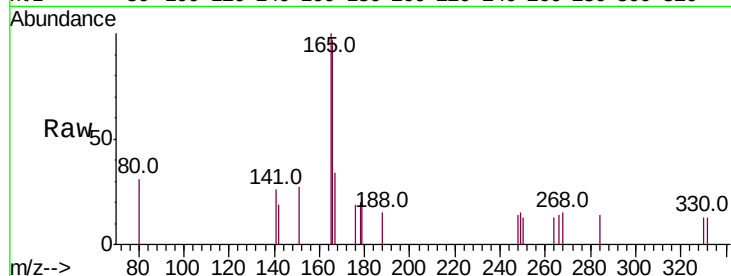
ClientSampleId :

LW-07-072618

Tot Ion	Ratio	Lower	Upper
166	100		
165	110.1	77.8	116.6
167	22.8	42.4	63.6

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#19

Phenanthrene-d10

Concen: 0.400 ng

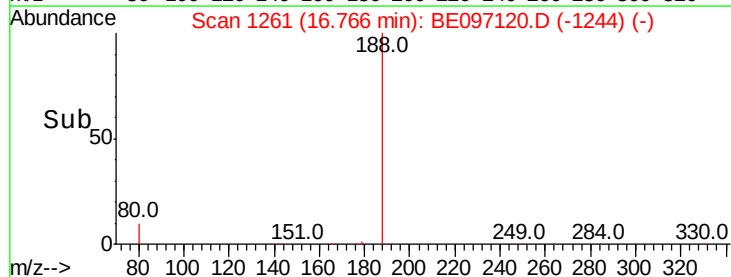
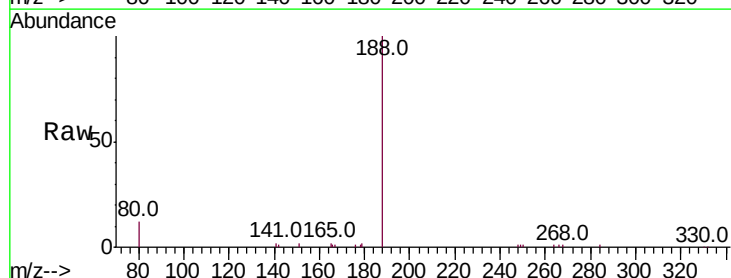
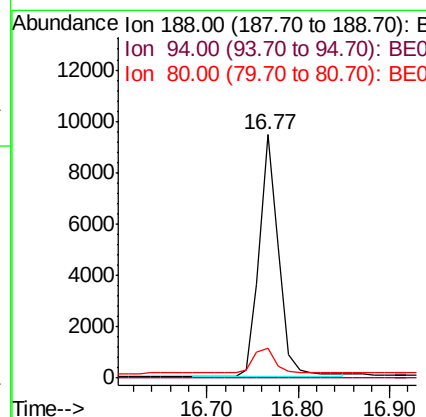
RT: 16.77 min Scan# 1261

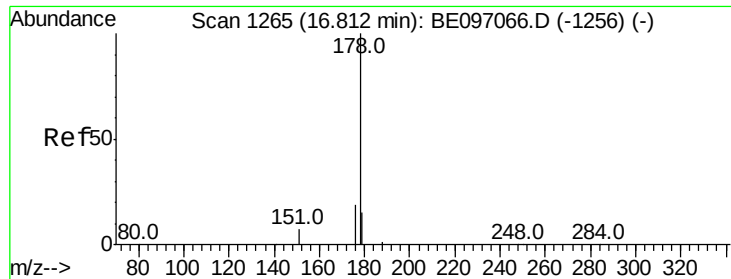
Delta R.T. 0.00 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9
80	12.2	3.6	5.4





#23

Phenanthrene

Concen: 0.733 ng

RT: 16.81 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

Instrument :

BNA_E

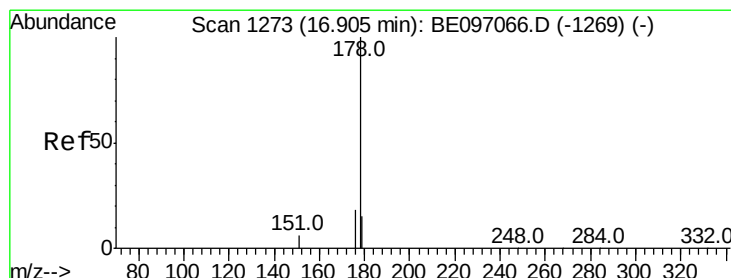
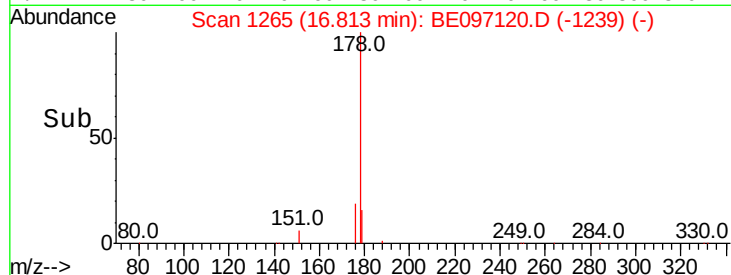
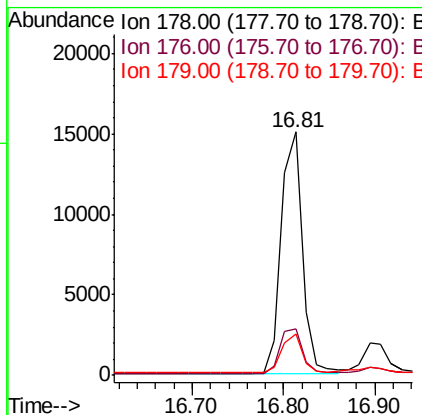
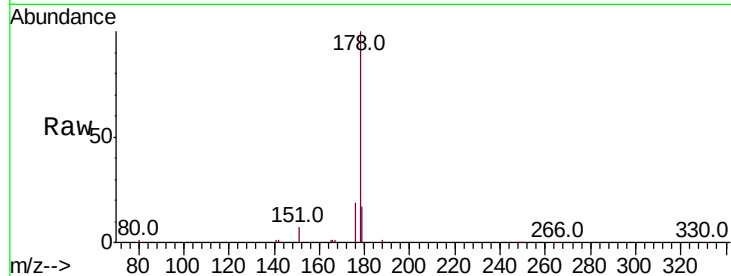
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.1	22.7
179	16.0	11.8	17.6

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#24

Anthracene

Concen: 0.115 ng

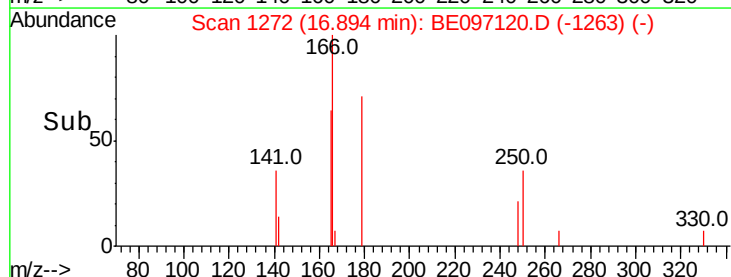
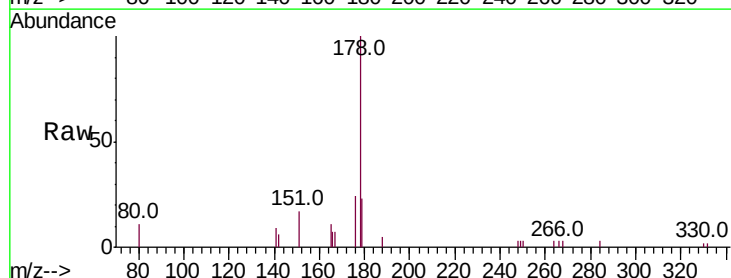
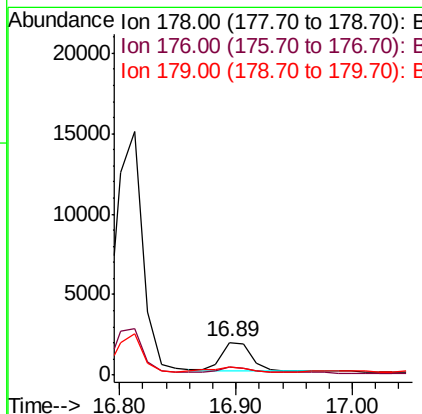
RT: 16.89 min Scan# 1272

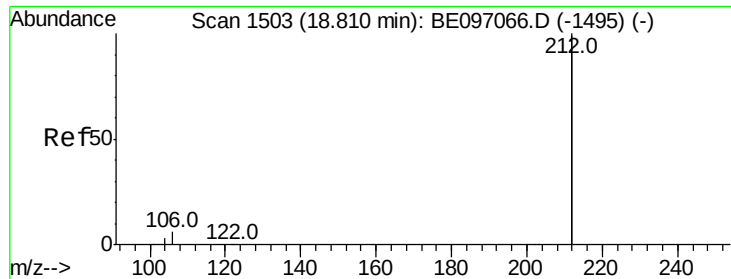
Delta R.T. 0.00 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	12.8	19.2#
179	19.6	13.0	19.6#





#25

Fluoranthene-d10

Concen: 0.517 ng

RT: 18.81 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

Instrument :

BNA_E

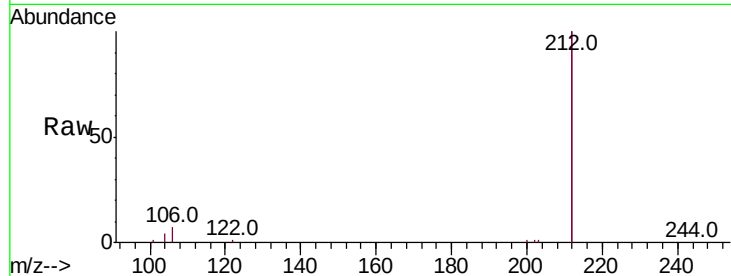
ClientSampleId :

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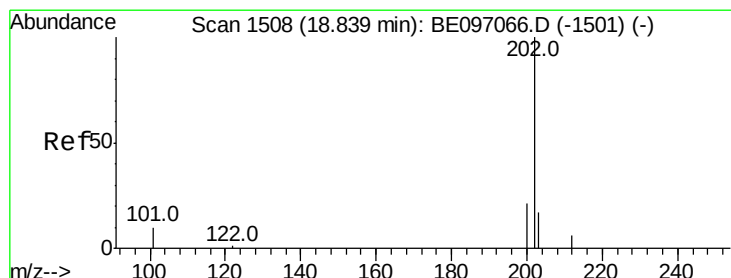
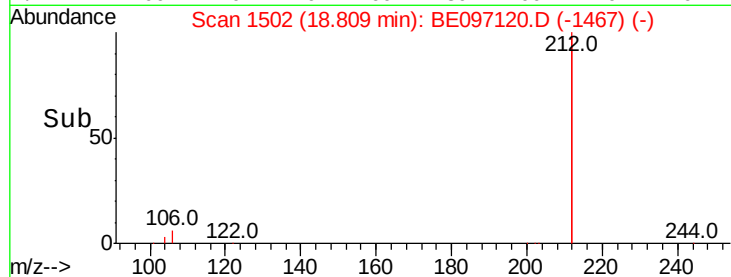
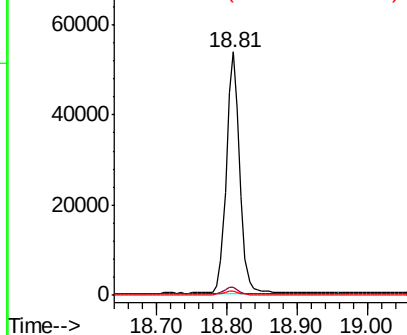
Tot Ion:	212	Resp:	71467
Ion Ratio	Lower	Upper	
212	100		
106	3.1	2.8	4.2
104	1.8	1.6	2.4

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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



#26

Fluoranthene

Concen: 0.873 ng

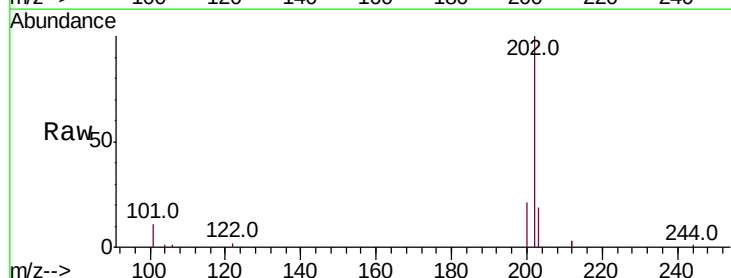
RT: 18.84 min Scan# 1507

Delta R.T. -0.00 min

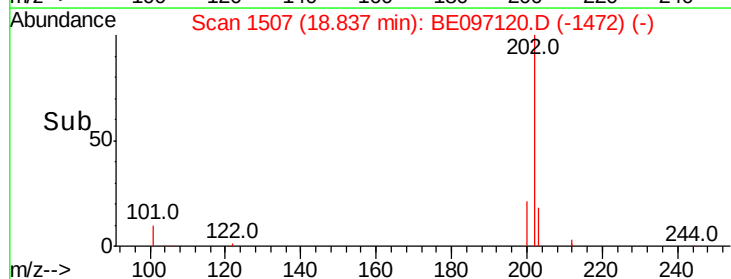
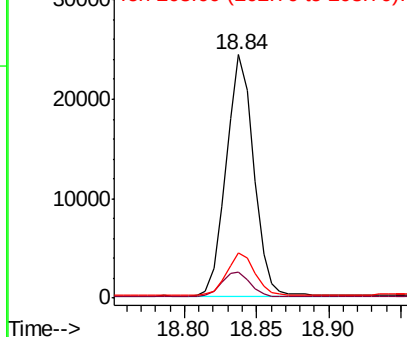
Lab File: BE097120.D

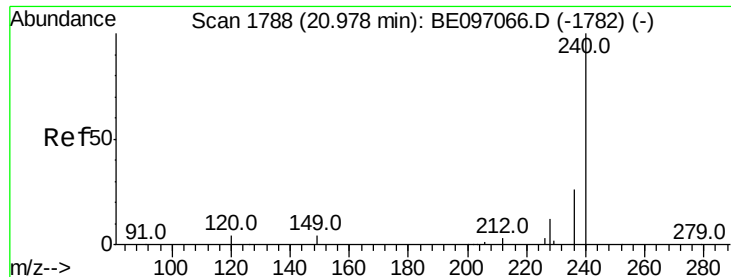
Acq: 31 Jul 2018 13:38

Tgt Ion:	202	Resp:	32263
Ion Ratio	Lower	Upper	
202	100		
101	10.7	9.8	14.8
203	18.1	13.7	20.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

Instrument :

BNA_E

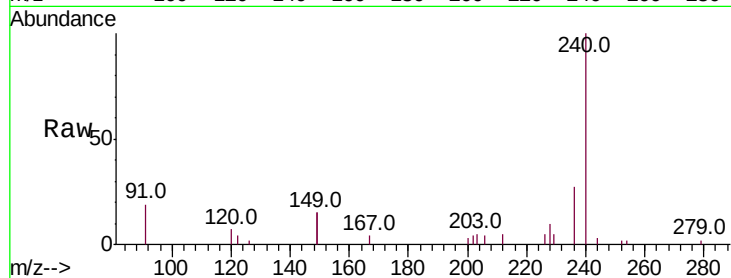
ClientSampled :

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Tot Ion	Ratio	Lower	Upper
240	100		
120	7.4	5.5	8.3
236	26.8	20.7	31.1

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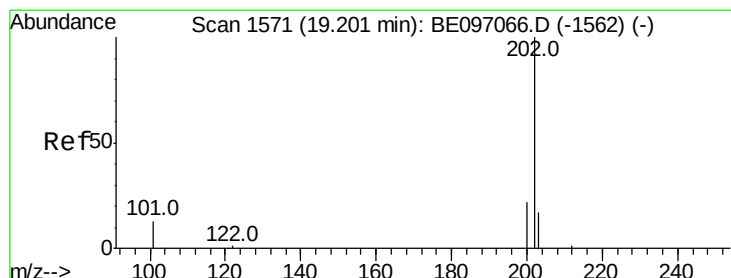
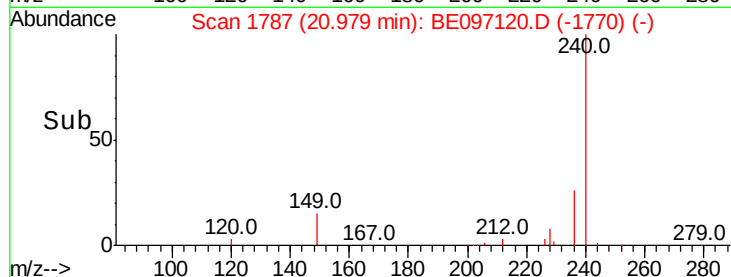
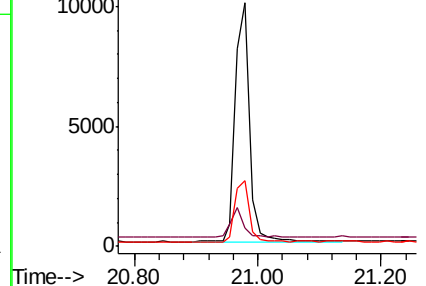
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.550 ng

RT: 19.21 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BE097120.D

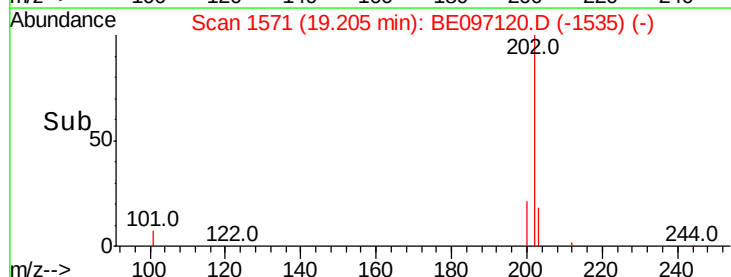
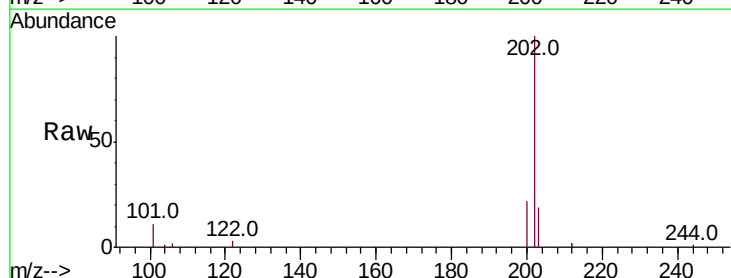
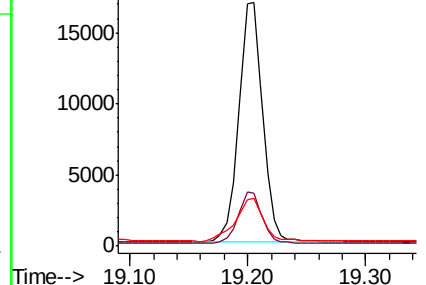
Acq: 31 Jul 2018 13:38

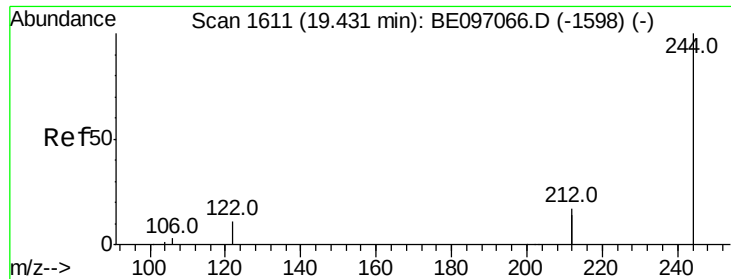
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.6	25.0
203	20.5	13.8	20.8

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





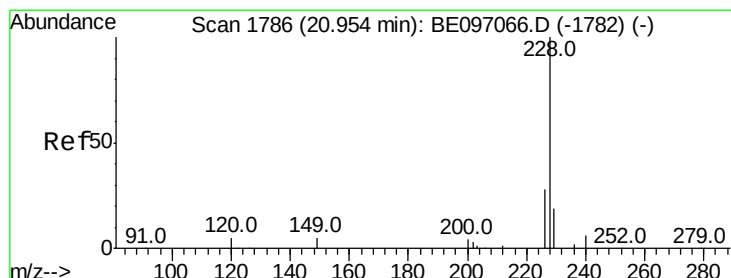
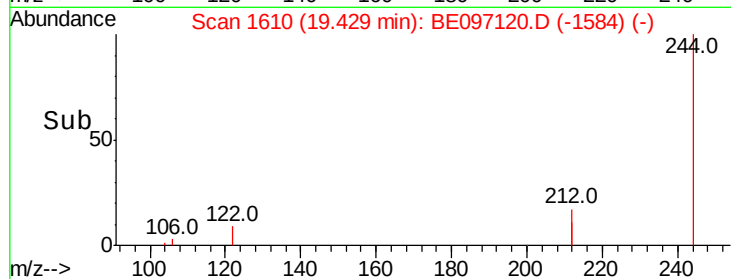
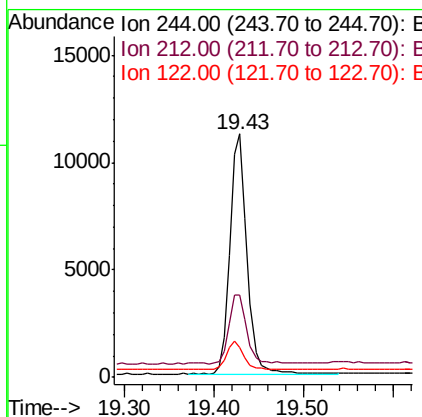
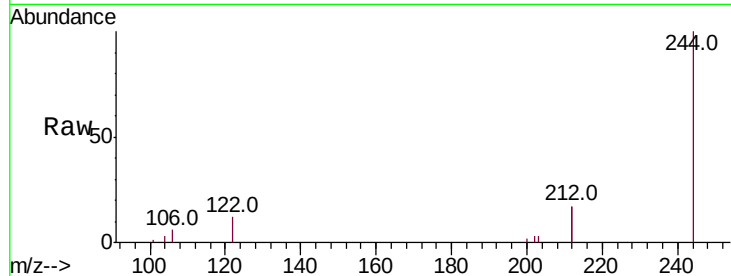
#29
 Terphenyl-d14
 Concen: 0.478 ng
 RT: 19.43 min Scan# 1610
 Delta R.T. -0.00 min
 Lab File: BE097120.D
 Acq: 31 Jul 2018 13:38

Instrument :
 BNA_E
 ClientSampleId :
 LW-07-072618

Tot Ion	Ratio	Lower	Upper
244	100		
212	33.8	25.4	38.0
122	12.5	8.1	12.1

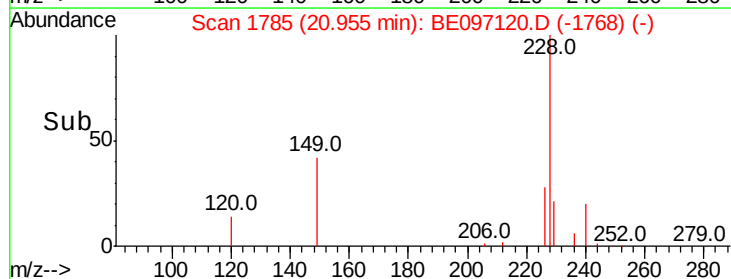
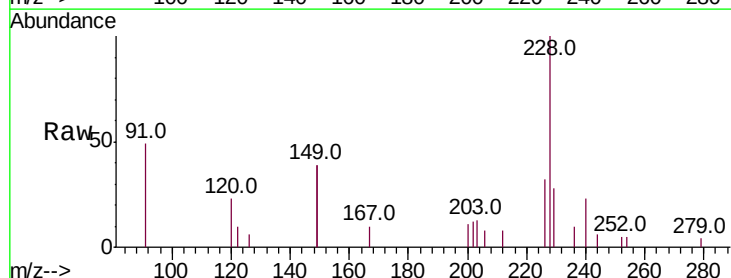
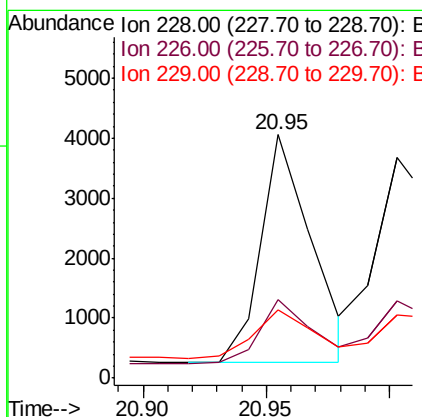
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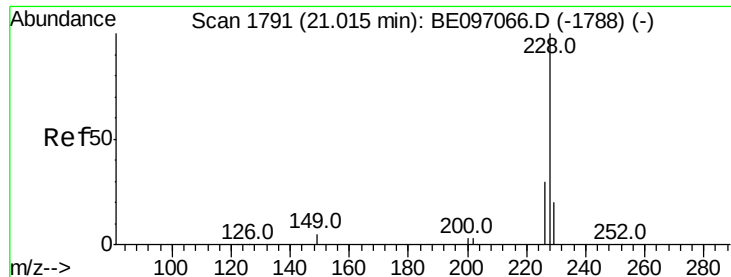
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#30
 Benzo(a)anthracene
 Concen: 0.139 ng
 RT: 20.95 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: BE097120.D
 Acq: 31 Jul 2018 13:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.0	36.0
229	27.9	16.0	24.0





#31

Chrysene

Concen: 0.141 ng

RT: 21.00 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

Instrument :

BNA_E

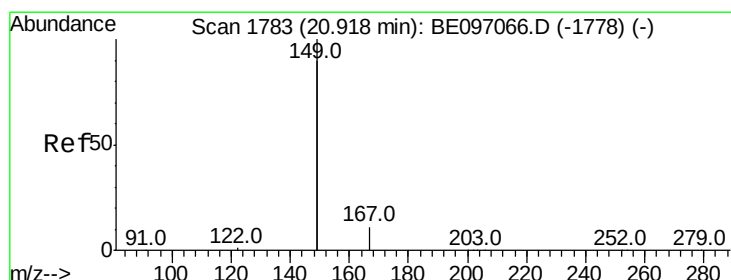
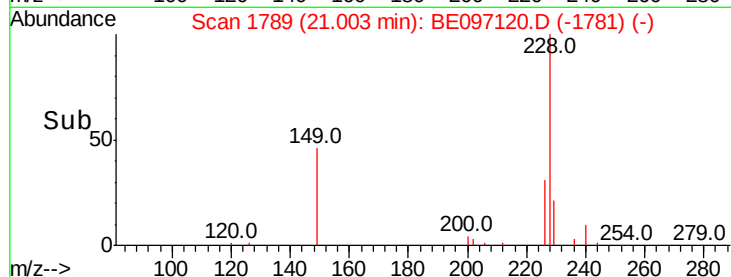
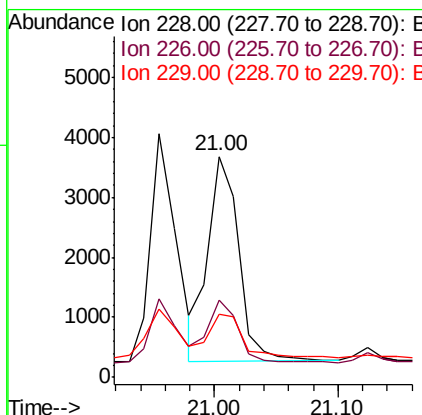
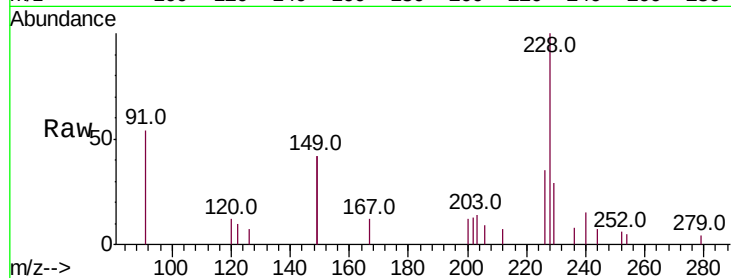
ClientSampleId :

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Tot Ion:	228	Resp:	5934
Ion	Ratio	Lower	Upper
228	100		
226	35.0	24.0	36.0
229	28.6	16.0	24.0#

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.211 ng

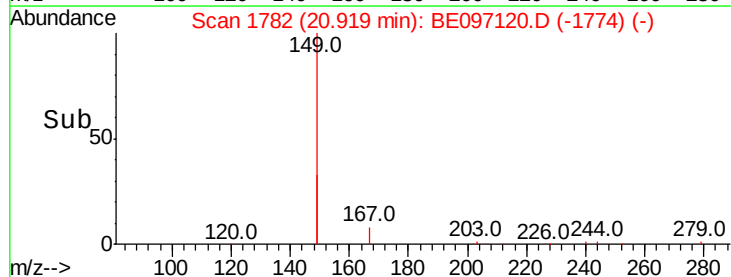
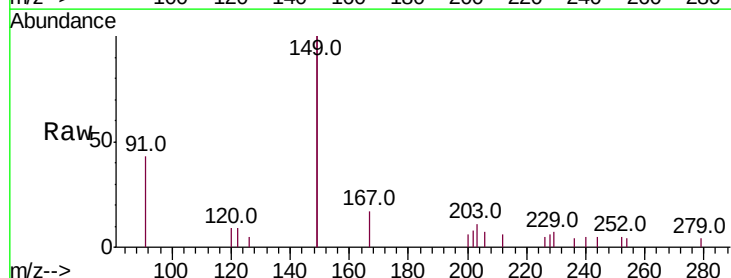
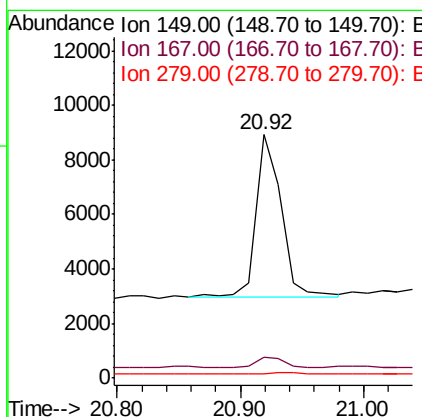
RT: 20.92 min Scan# 1782

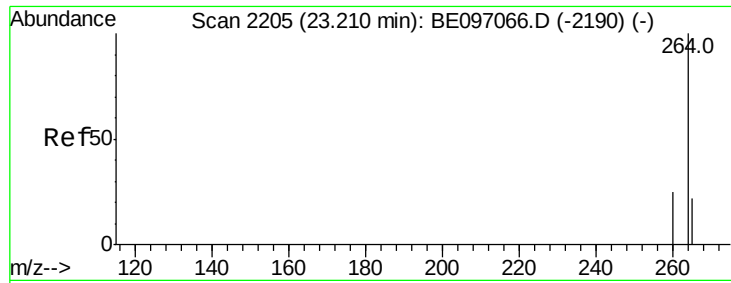
Delta R.T. 0.00 min

Lab File: BE097120.D

Acq: 31 Jul 2018 13:38

Tgt Ion:	149	Resp:	8717
Ion	Ratio	Lower	Upper
149	100		
167	6.3	5.4	8.0
279	2.0	0.7	1.1#





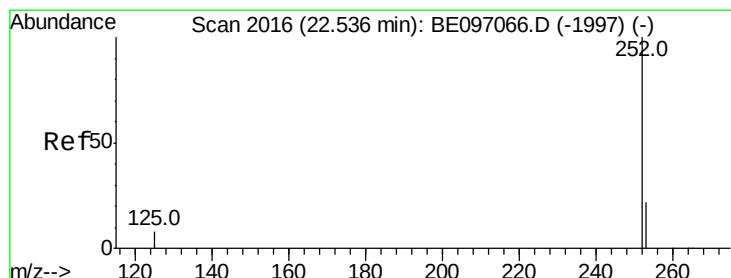
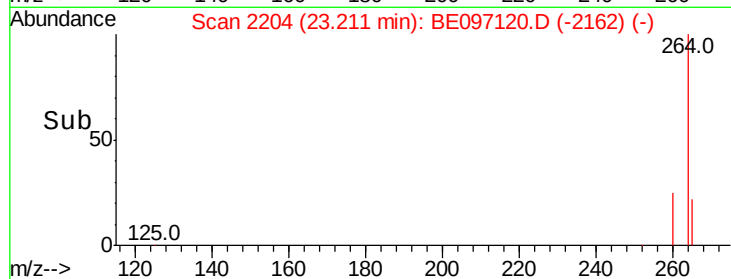
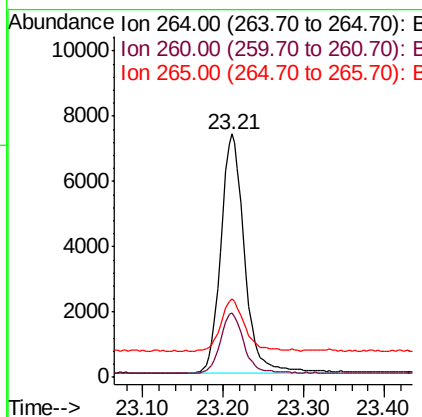
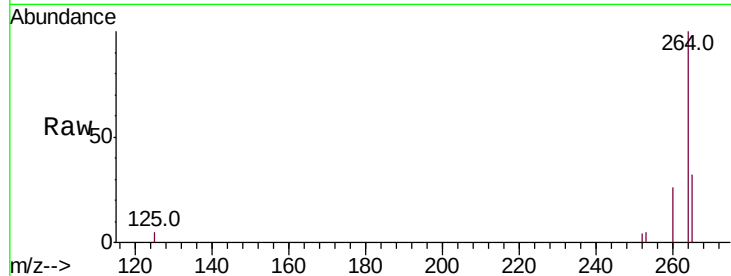
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: BE097120.D
 Acq: 31 Jul 2018 13:38

Instrument :
 BNA_E
 ClientSampleId :
 LW-07-072618

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.4	20.5	30.7
265	32.2	22.8	34.2

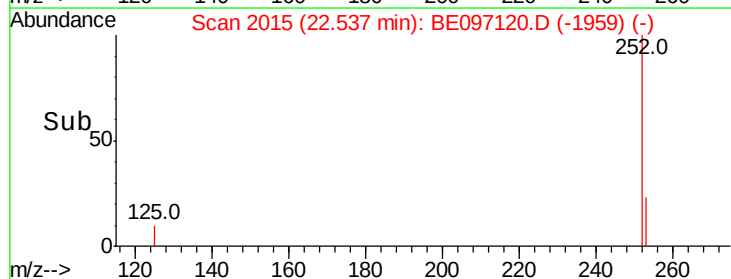
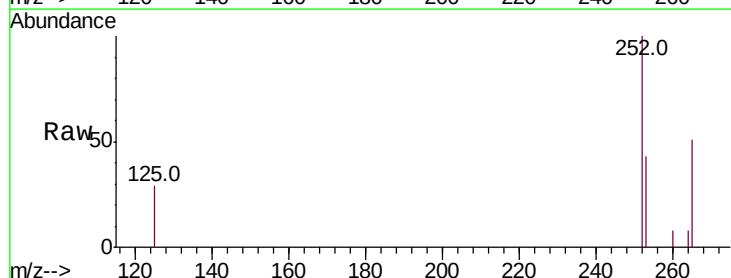
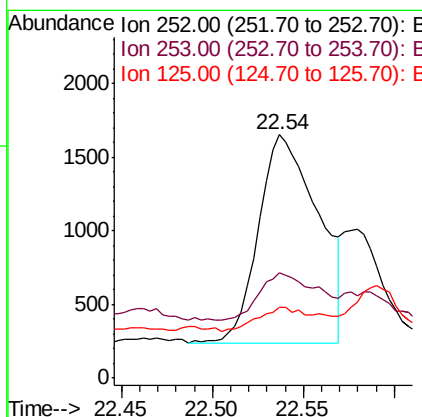
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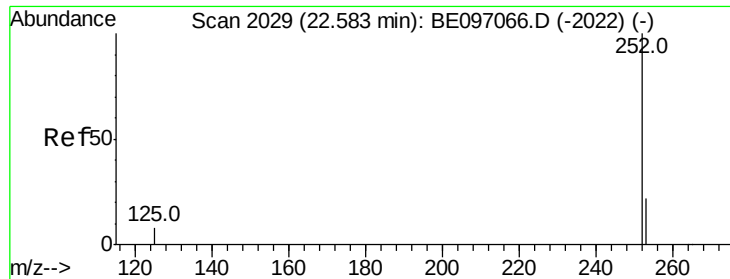
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#35
 Benzo(b)fluoranthene
 Concen: 0.085 ng
 RT: 22.54 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: BE097120.D
 Acq: 31 Jul 2018 13:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	43.2	20.0	30.0#
125	29.3	16.0	24.0#





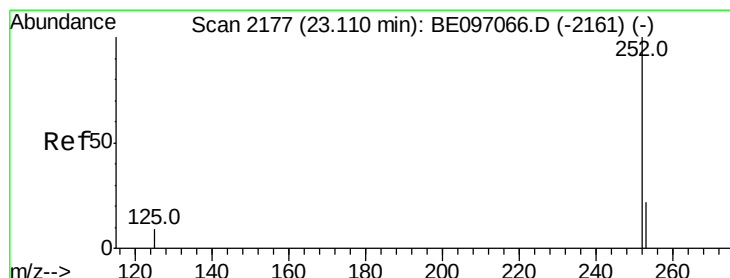
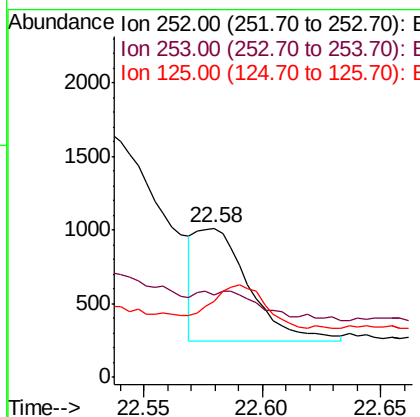
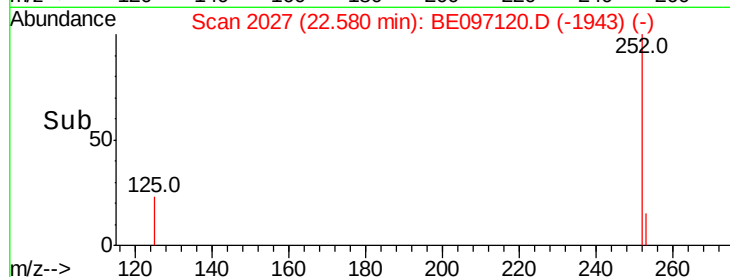
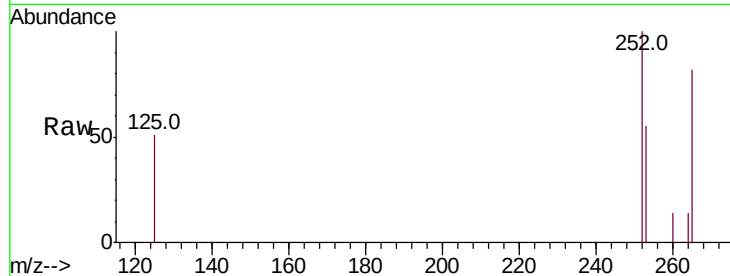
#36
Benzo(k)fluoranthene
Concen: 0.027 ng m
RT: 22.58 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BE097120.D
Acq: 31 Jul 2018 13:38

Instrument :
BNA_E
ClientSampleId :
LW-07-072618

Tot Ion:252 Resp: 1193
Ion Ratio Lower Upper
252 100
253 54.9 16.0 24.0#
125 51.1 8.0 12.0#

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#37
Benzo(a)pyrene
Concen: 0.029 ng
RT: 23.11 min Scan# 2177
Delta R.T. 0.00 min
Lab File: BE097120.D
Acq: 31 Jul 2018 13:38

Tgt Ion:252 Resp: 1032
Ion Ratio Lower Upper
252 100
253 62.1 16.0 24.0#
125 46.2 12.0 18.0#

