

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE030618\
 Data File : BE095712.D
 Acq On : 6 Mar 2018 23:58
 Operator : SJ/JU
 Sample : J1811-08 20X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 T-8_030518

Manual Integrations
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Sohil
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Quant Time: Mar 07 02:59:03 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 12:12:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1454	0.40	ng	0.00
7) Naphthalene-d8	11.27	136	5812	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	3435	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	7842	0.40	ng	0.00
27) Chrysene-d12	21.80	240	7962	0.40	ng	0.01
34) Perylene-d12	24.42	264	7382	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	35	0.01	ng	0.00
5) Phenol-d6	7.56	99	43	0.01	ng	0.00
8) Nitrobenzene-d5	9.61	82	71	0.01	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	124	0.01	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	19	0.13	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	176	0.01	ng	0.00
25) Fluoranthene-d10	19.69	212	904	0.01	ng	0.00
29) Terphenyl-d14	20.24	244	206	0.01	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	11.31	128	2502	0.037	ng	# 93
12) 2-Methylnaphthalene	12.88	142	684	0.059	ng	# 94
16) Acenaphthylene	14.73	152	1889	0.098	ng	# 95
17) Acenaphthene	15.06	154	743	0.061	ng	# 90
18) Fluorene	16.03	166	2526	0.168	ng	# 77
23) Phenanthrene	17.74	178	46663	1.904	ng	98
24) Anthracene	17.84	178	12992	0.577	ng	94
26) Fluoranthene	19.72	202	78550	2.604	ng	# 97
28) Pyrene	20.06	202	89366	2.745	ng	97
30) Benzo(a)anthracene	21.78	228	46914	1.806	ng	97
31) Chrysene	21.84	228	35989	1.393	ng	96
33) Indeno(1,2,3-cd)pyrene	27.23	276	13027	0.520	ng	# 92
35) Benzo(b)fluoranthene	23.61	252	35866	1.364	ng	# 89
36) Benzo(k)fluoranthene	23.66	252	14690m	0.562	ng	
37) Benzo(a)pyrene	24.31	252	26469	1.117	ng	# 91
38) Dibenzo(a,h)anthracene	27.24	278	4513	0.214	ng	# 91
39) Benzo(a,h,i)perylene	28.10	276	11294	0.500	ng	# 91

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

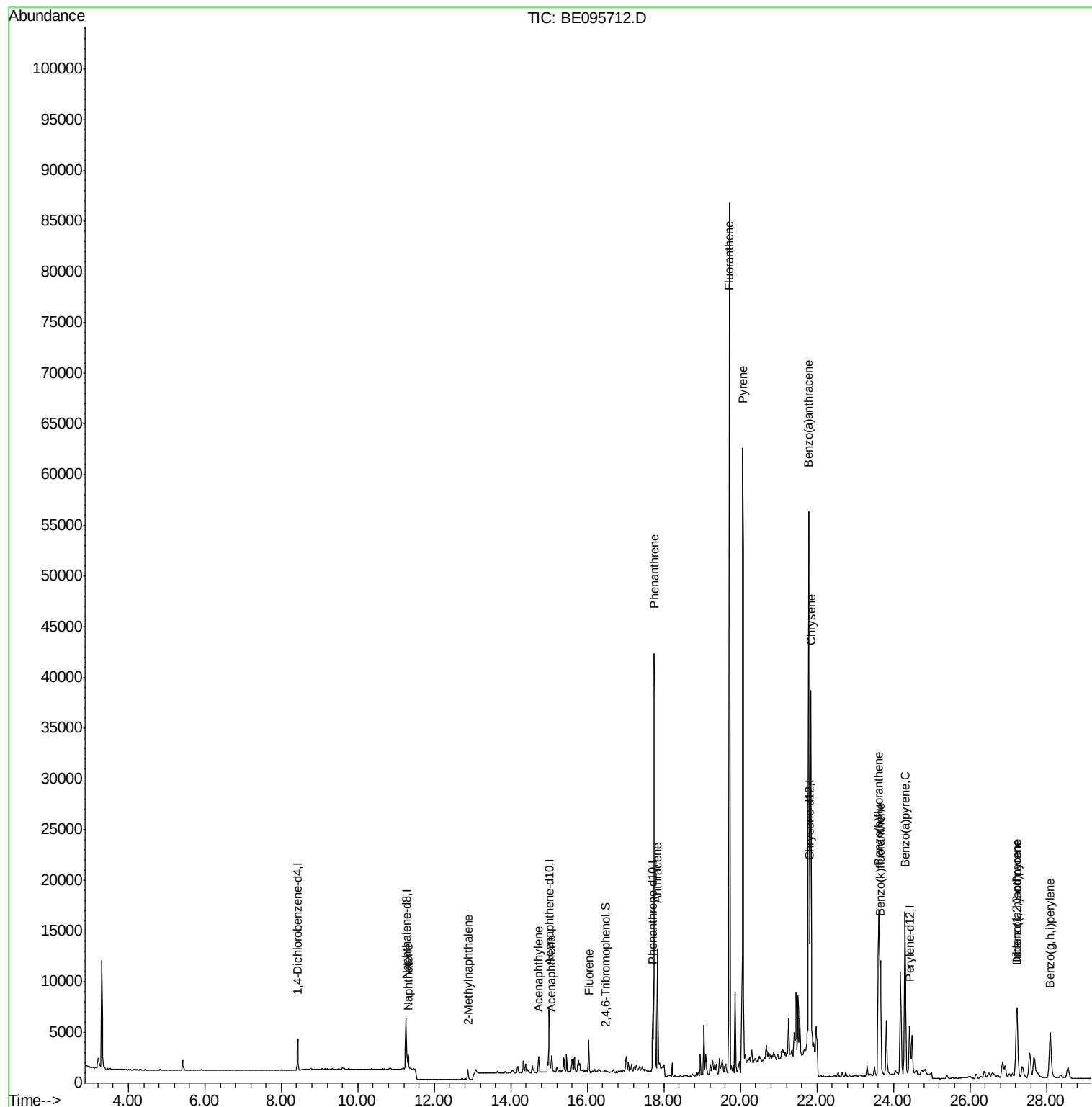
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE030618\
Data File : BE095712.D
Acq On : 6 Mar 2018 23:58
Operator : SJ/JU
Sample : J1811-08 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

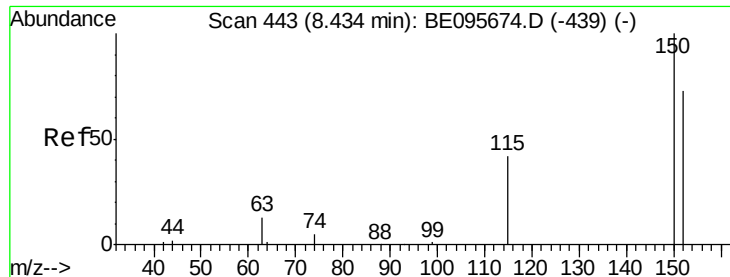
Instrument :
BNA_E
ClientSampleId :
T-8_030518

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3/7/2018 12:20:26 PM

Quant Time: Mar 07 02:59:03 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

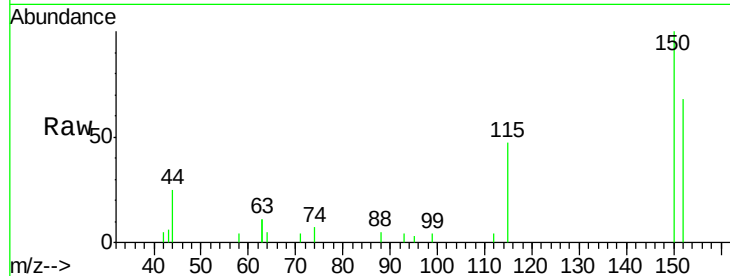
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BE095712.D
Acq: 6 Mar 2018 23:58

Instrument :
BNA_E
ClientSampleId :
T-8_030518

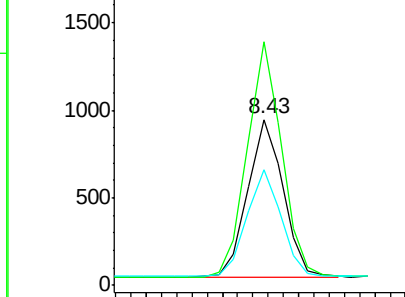
Tot Ion	Ratio	Lower	Upper
152	100		
150	146.7	117.2	175.8
115	69.4	57.0	85.6

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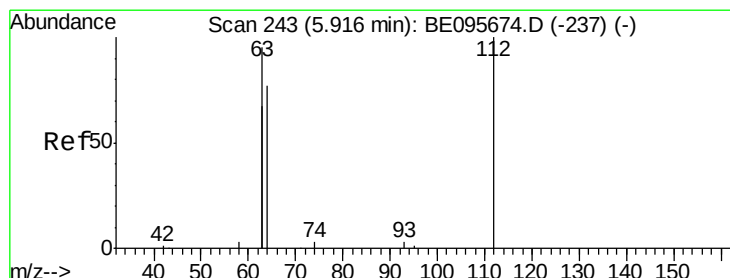
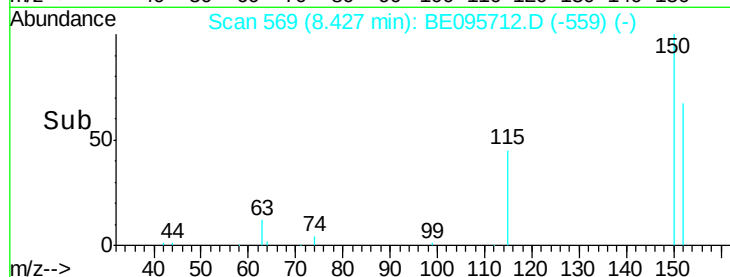
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



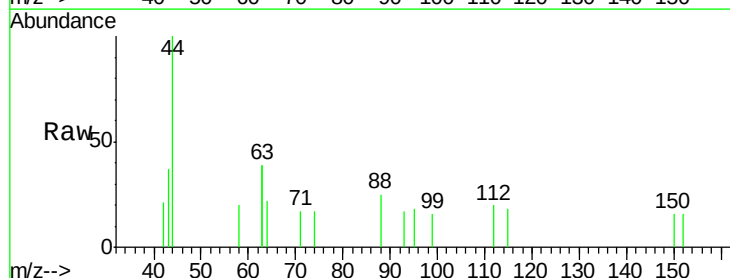
Time-->



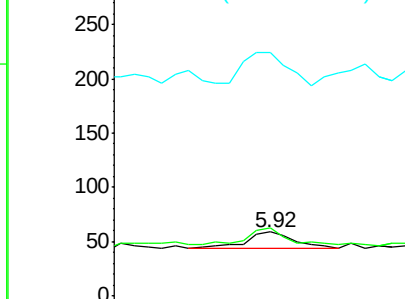
#4

2-Fluorophenol
Concen: 0.009 ng
RT: 5.92 min Scan# 313
Delta R.T. 0.01 min
Lab File: BE095712.D
Acq: 6 Mar 2018 23:58

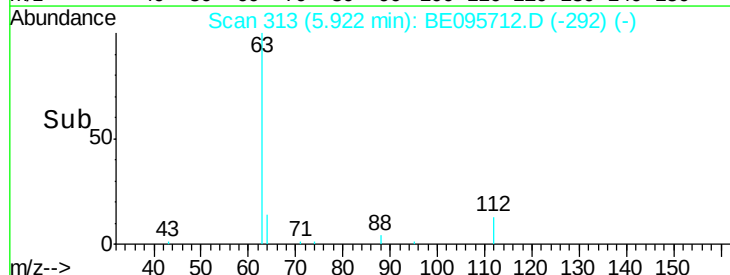
Tgt Ion	Ratio	Lower	Upper
112	100		
64	120.0	60.1	90.1#
63	188.6	116.8	175.2#

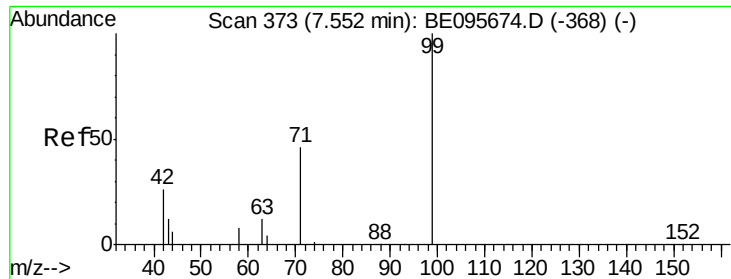


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 0.008 ng

RT: 7.56 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE095712.D

Acq: 6 Mar 2018 23:58

Instrument :

BNA_E

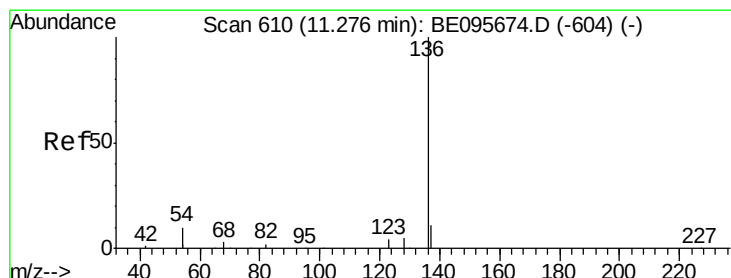
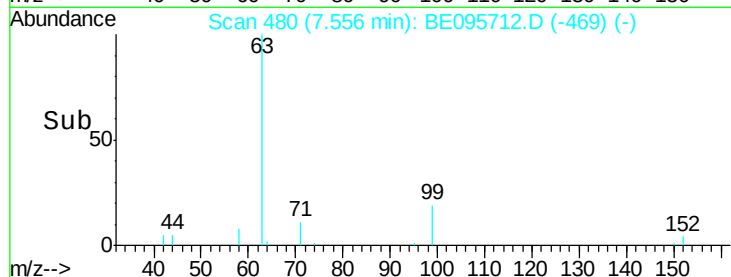
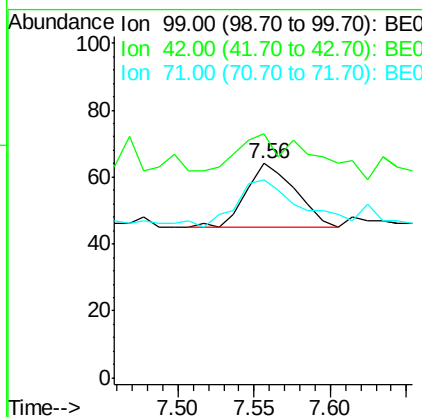
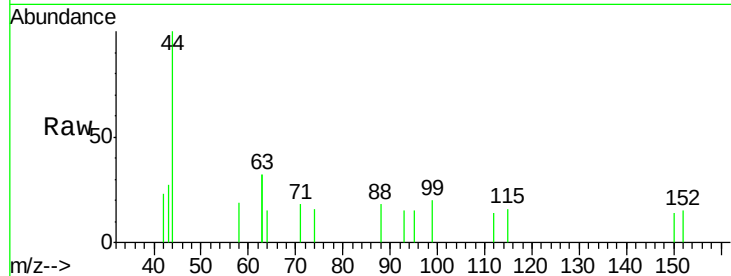
ClientSampled :

T-8_030518

Tot Ion:	99	Resp:	43
Ion	Ratio	Lower	Upper
99	100		
42	67.4	20.2	30.2#
71	81.4	28.4	42.6#

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#7

Naphthalene-d8

Concen: 0.400 ng

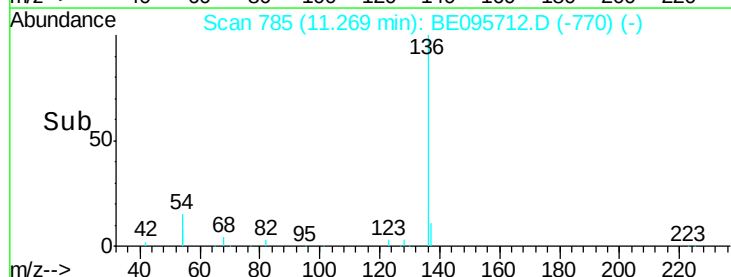
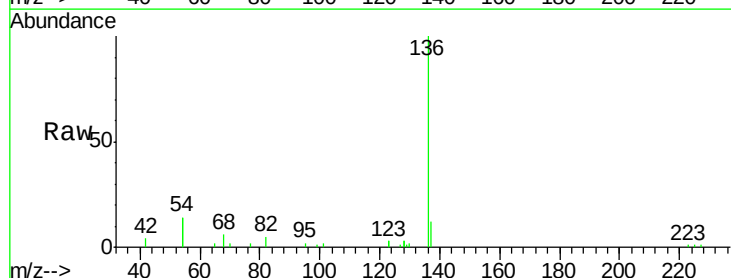
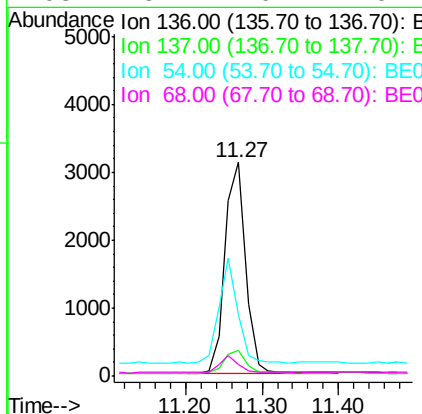
RT: 11.27 min Scan# 785

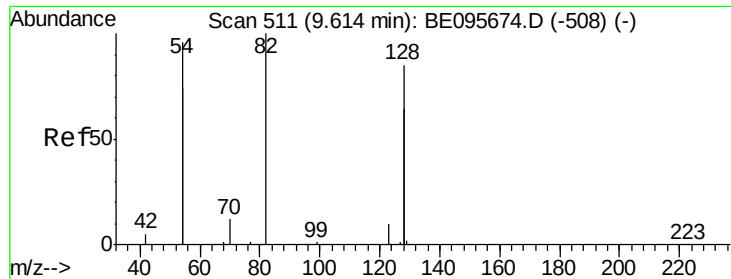
Delta R.T. -0.01 min

Lab File: BE095712.D

Acq: 6 Mar 2018 23:58

Tgt Ion:	136	Resp:	5812
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	28.7	29.1	43.7#
68	5.7	6.2	9.2#





#8

Nitrobenzene-d5

Concen: 0.012 ng

RT: 9.61 min Scan# 657

Delta R.T. -0.01 min

Lab File: BE095712.D

Acq: 6 Mar 2018 23:58

Instrument :

BNA_E

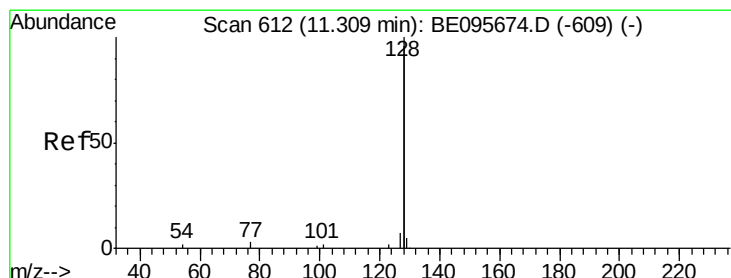
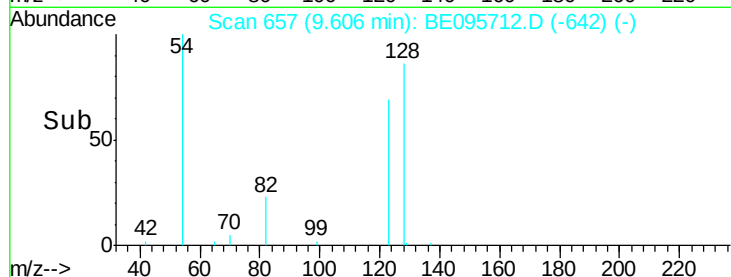
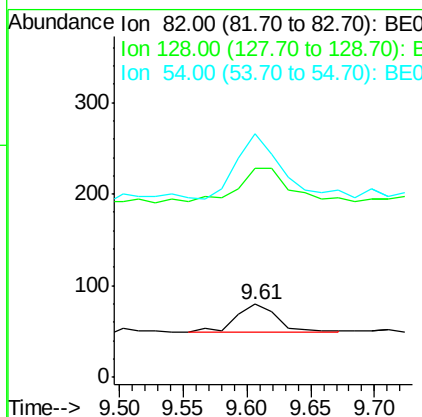
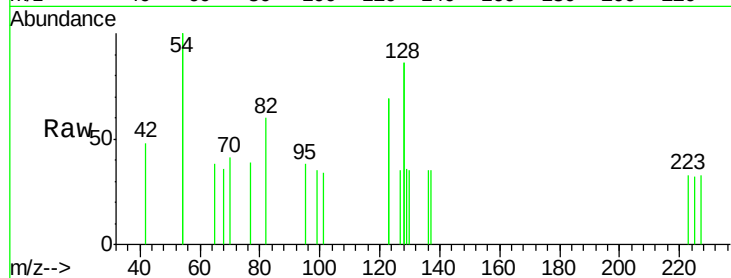
ClientSampled :

T-8_030518

Tot Ion:	82	Resp:	71
Ion	Ratio	Lower	Upper
82	100		
128	285.0	150.0	225.0#
54	332.5	154.2	231.4#

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#9

Naphthalene

Concen: 0.037 ng

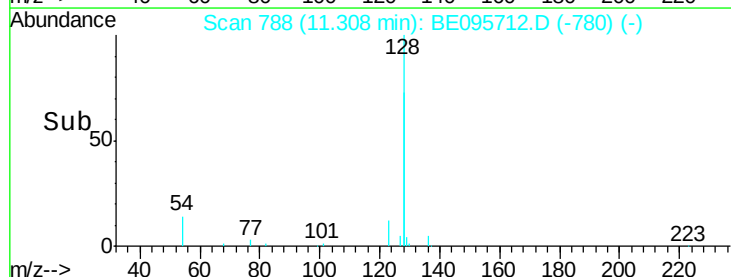
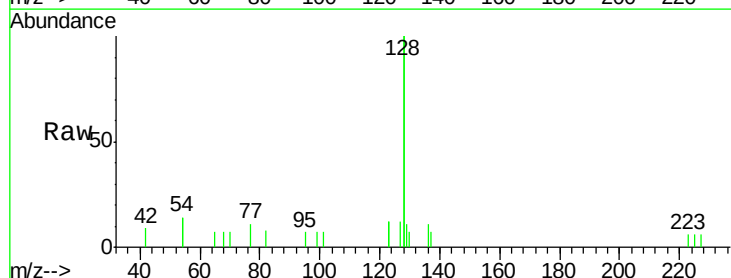
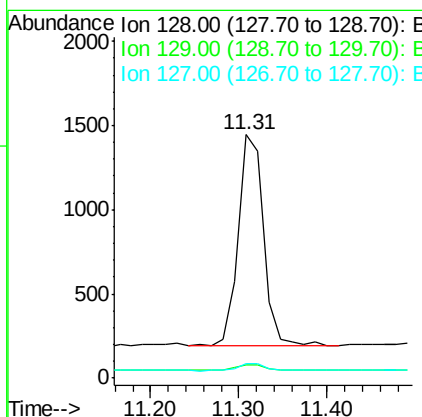
RT: 11.31 min Scan# 788

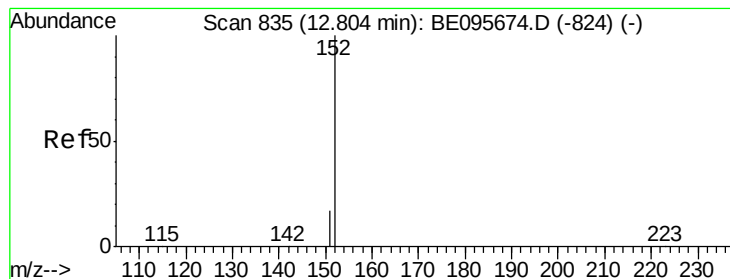
Delta R.T. -0.00 min

Lab File: BE095712.D

Acq: 6 Mar 2018 23:58

Tgt Ion:	128	Resp:	2502
Ion	Ratio	Lower	Upper
128	100		
129	5.5	2.6	3.8#
127	5.9	2.8	4.2#





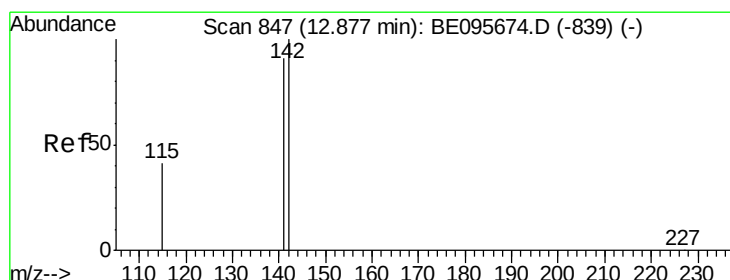
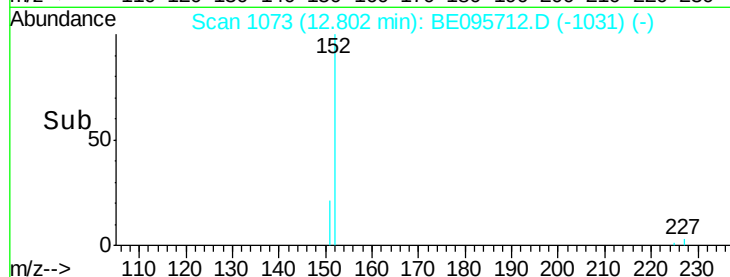
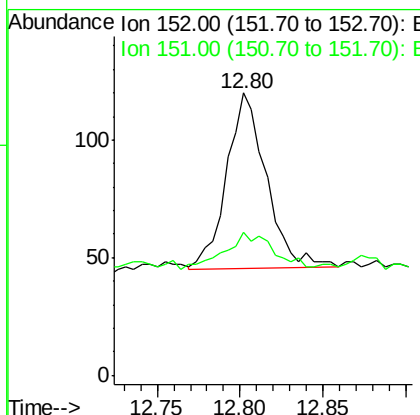
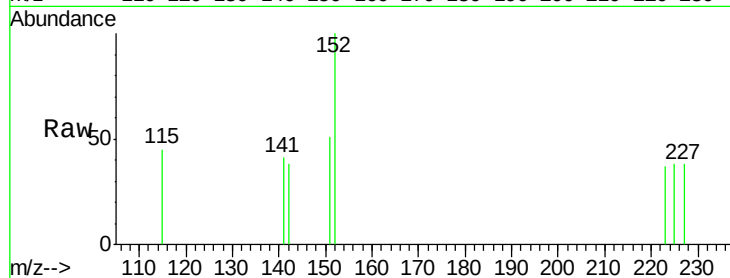
#11
 2-Methylnaphthalene-d10
 Concen: 0.013 ng
 RT: 12.80 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: BE095712.D
 Acq: 6 Mar 2018 23:58

Instrument :
 BNA_E
 ClientSampled :
 T-8_030518

Tot Ion:152 Resp: 124
 Ion Ratio Lower Upper
 152 100
 151 29.8 15.4 23.0#

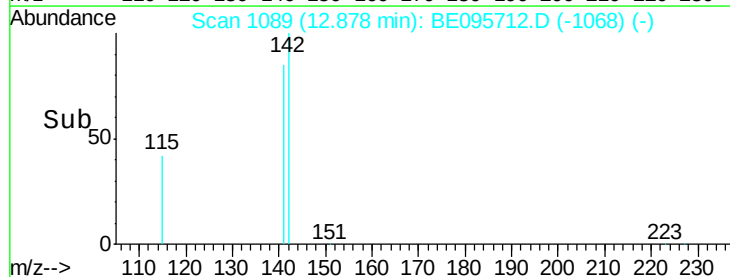
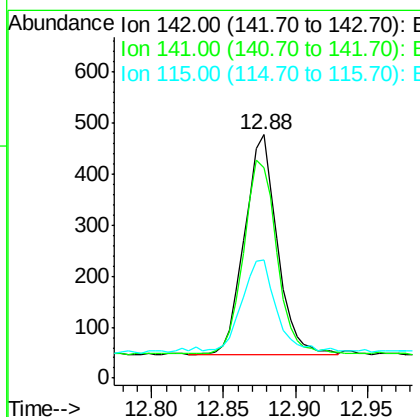
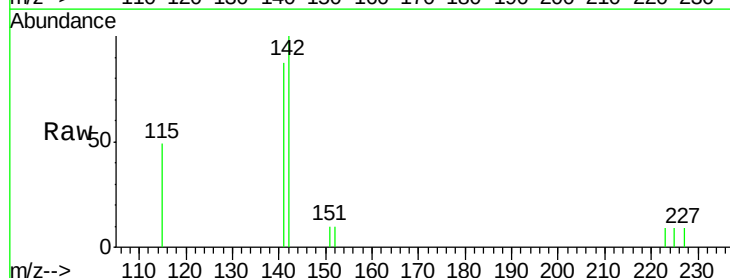
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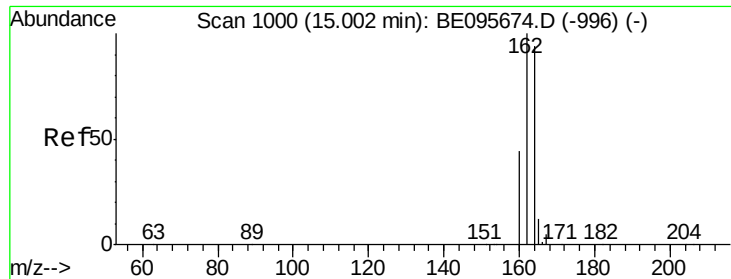
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#12
 2-Methylnaphthalene
 Concen: 0.059 ng
 RT: 12.88 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: BE095712.D
 Acq: 6 Mar 2018 23:58

Tgt Ion:142 Resp: 684
 Ion Ratio Lower Upper
 142 100
 141 86.6 70.4 105.6
 115 48.8 31.7 47.5#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE095712.D

Acq: 6 Mar 2018 23:58

Instrument :

BNA_E

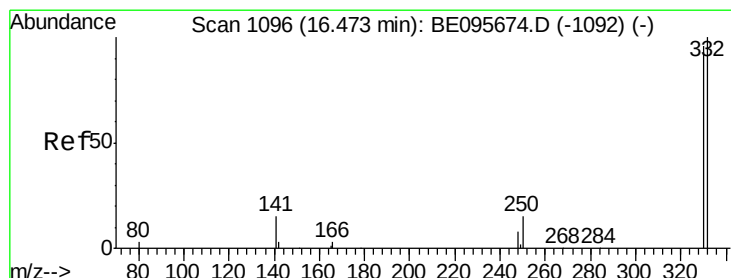
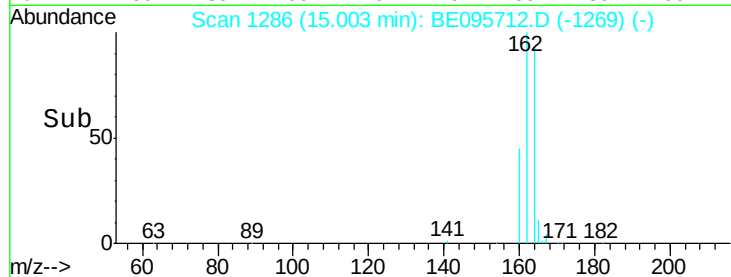
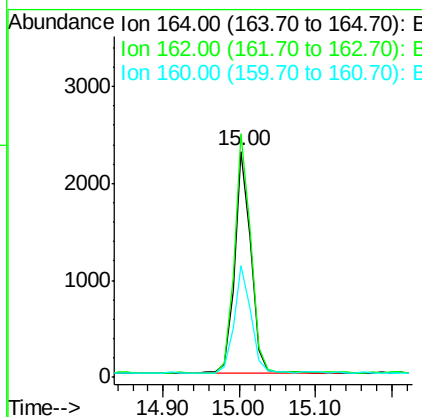
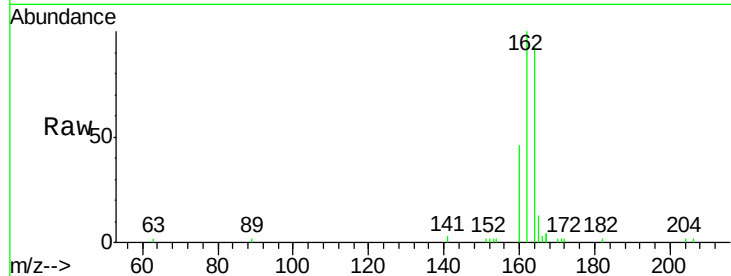
ClientSampleId :

T-8_030518

Tot Ion:	164	Resp:	3435
Ion	Ratio	Lower	Upper
164	100		
162	107.9	83.1	124.7
160	49.6	37.1	55.7

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#14

2,4,6-Tribromophenol

Concen: 0.127 ng

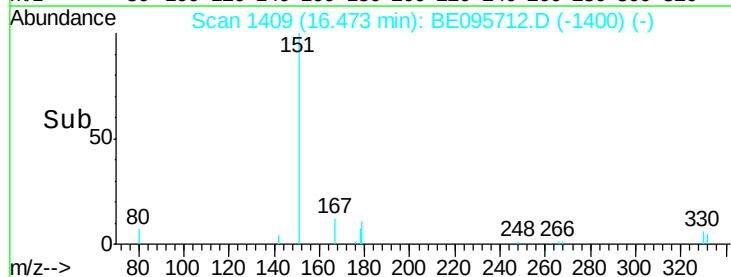
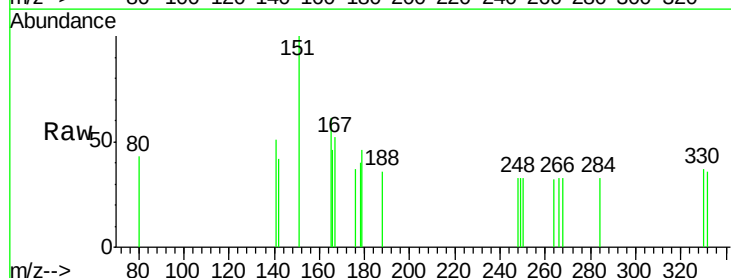
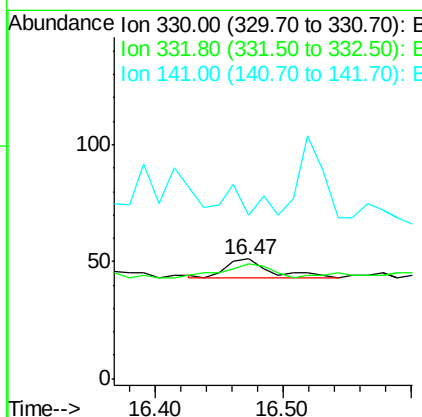
RT: 16.47 min Scan# 1409

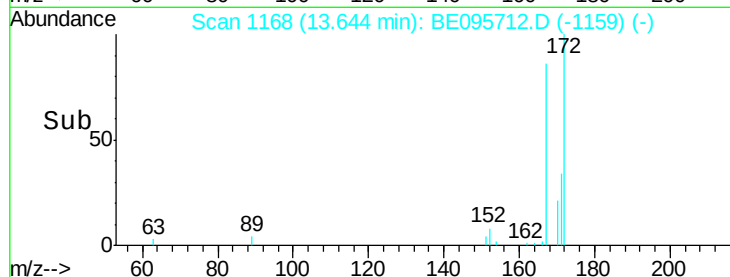
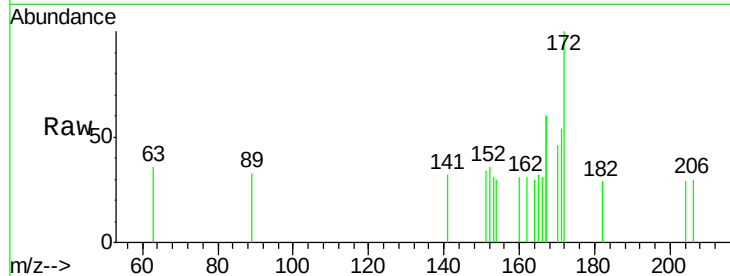
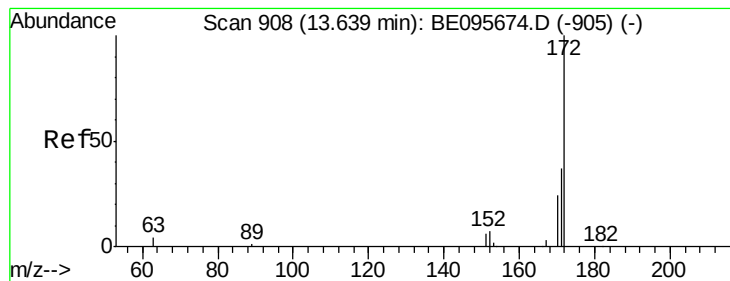
Delta R.T. -0.00 min

Lab File: BE095712.D

Acq: 6 Mar 2018 23:58

Tgt Ion:	330	Resp:	19
Ion	Ratio	Lower	Upper
330	100		
332	78.9	152.7	229.1#
141	78.9	33.7	50.5#





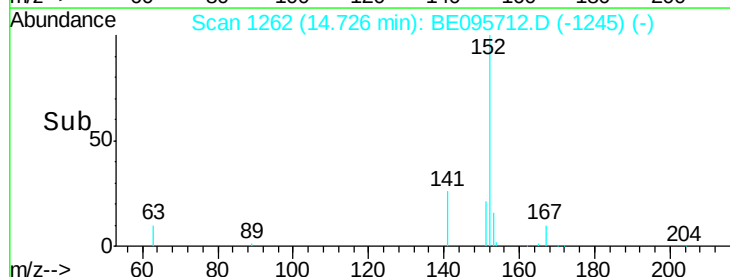
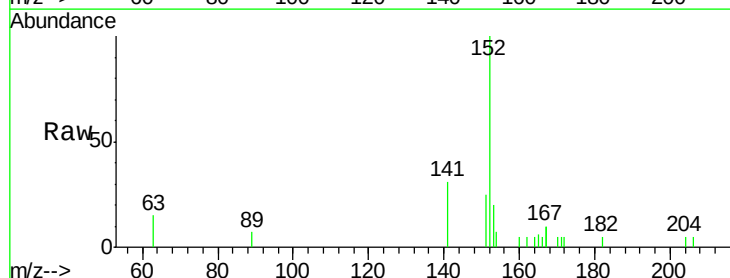
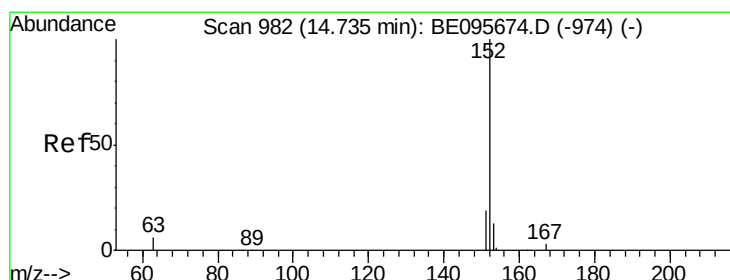
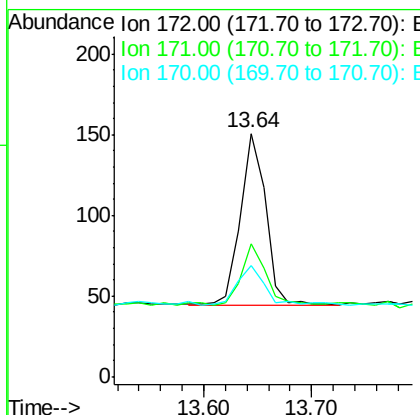
#15
2-Fluorobiphenyl
Concen: 0.011 ng
RT: 13.64 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BE095712.D
Acq: 6 Mar 2018 23:58

Instrument :
BNA_E
ClientSampleId :
T-8_030518

Tot Ion	Ratio	Lower	Upper
172	100		
171	54.3	29.9	44.9#
170	45.7	21.8	32.8#

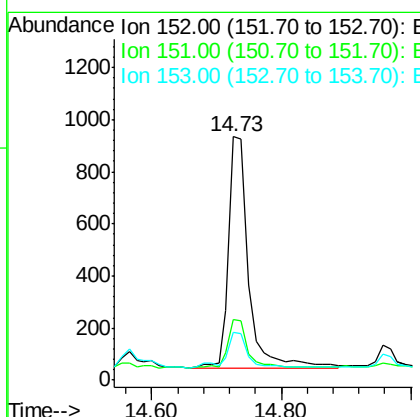
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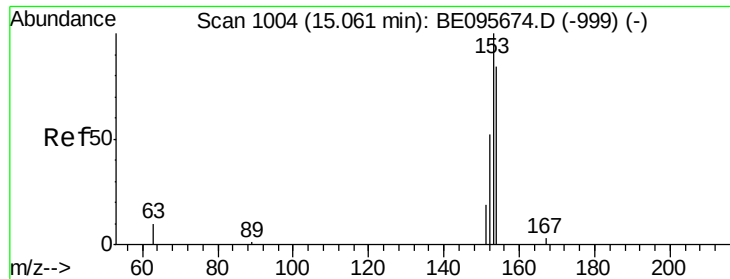
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#16
Acenaphthylene
Concen: 0.098 ng
RT: 14.73 min Scan# 1262
Delta R.T. -0.01 min
Lab File: BE095712.D
Acq: 6 Mar 2018 23:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.3	15.7	23.5
153	15.9	10.5	15.7#





#17

Acenaphthene

Concen: 0.061 ng

RT: 15.06 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BE095712.D

Acq: 6 Mar 2018 23:58

Instrument :

BNA_E

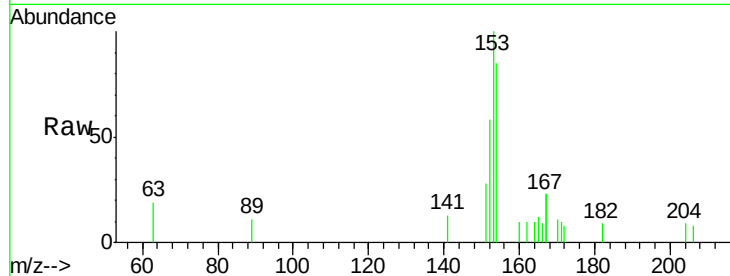
ClientSampleId :

T-8_030518

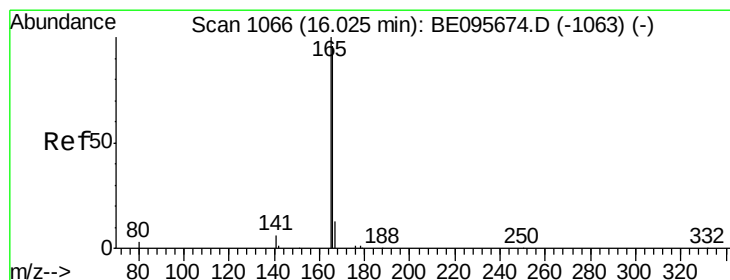
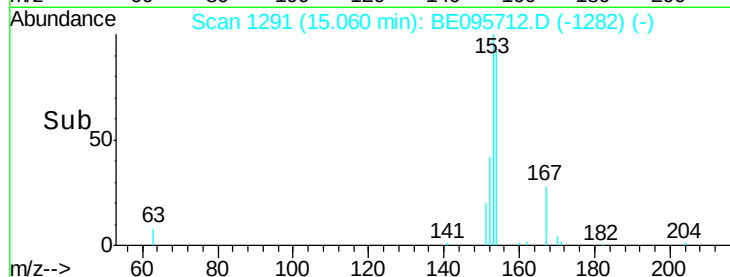
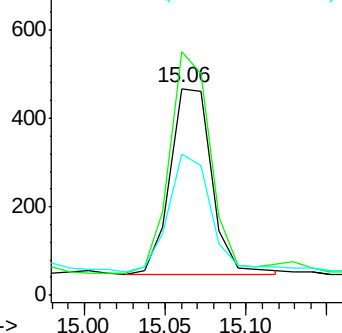
Tot Ion:	154	Resp:	743
Ion Ratio	Lower	Upper	
154	100		
153	118.3	89.2	133.8
152	64.7	42.0	63.0#

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.168 ng

RT: 16.03 min Scan# 1371

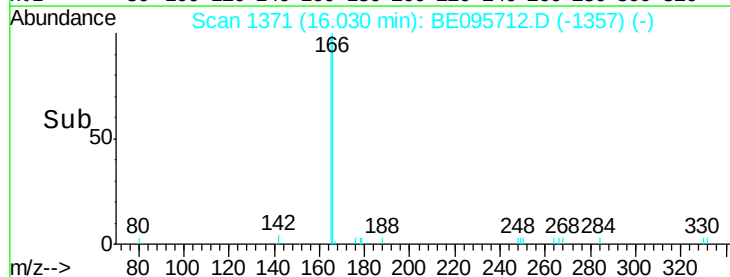
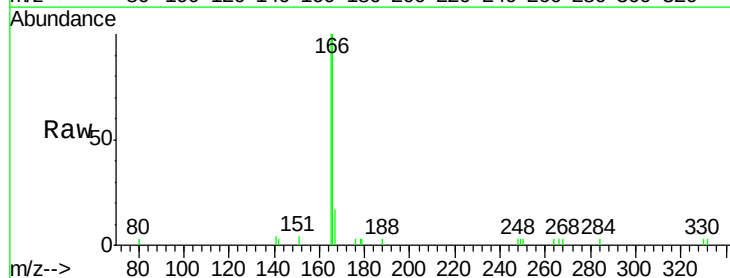
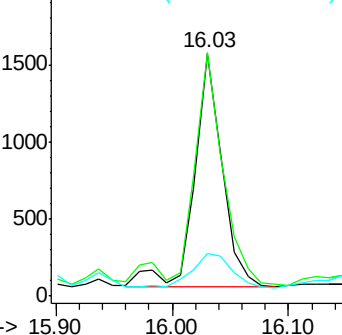
Delta R.T. 0.01 min

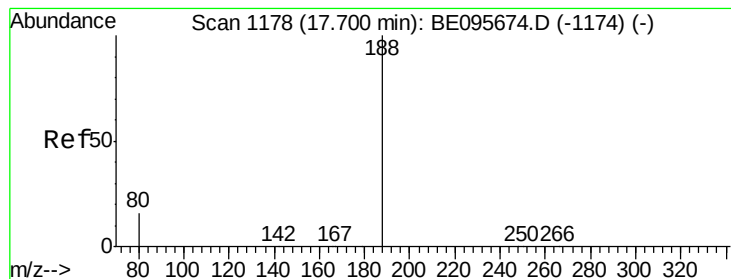
Lab File: BE095712.D

Acq: 6 Mar 2018 23:58

Tgt Ion:	166	Resp:	2526
Ion Ratio	Lower	Upper	
166	100		
165	107.3	77.8	116.6
167	21.1	42.4	63.6#

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.71 min Scan# 1515

Delta R.T. 0.01 min

Lab File: BE095712.D

Acq: 6 Mar 2018 23:58

Instrument :

BNA_E

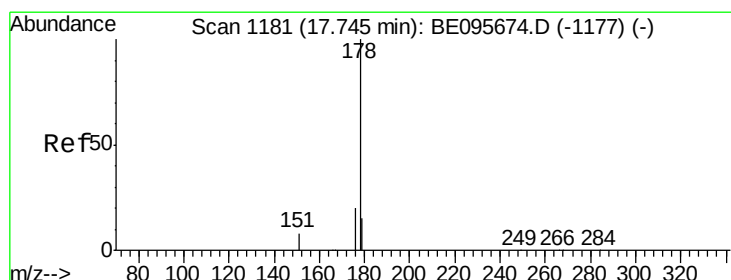
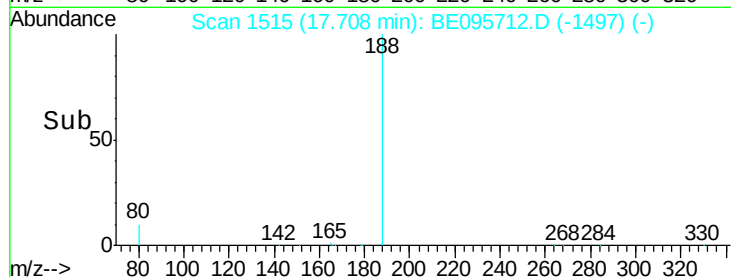
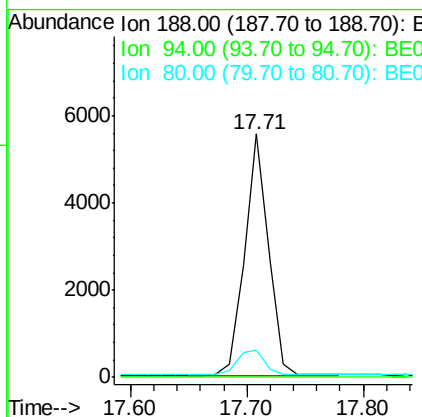
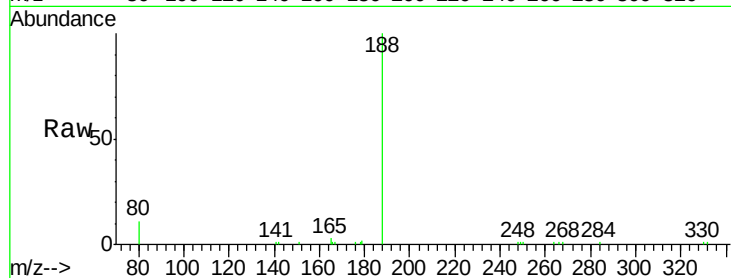
ClientSampleId :

T-8_030518

Tot Ion:	188	Resp:	7842
Ion Ratio	Lower	Upper	
188	100		
94	0.0	3.9	5.9#
80	11.0	3.6	5.4#

Manual Integrations
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#23

Phenanthrene

Concen: 1.904 ng

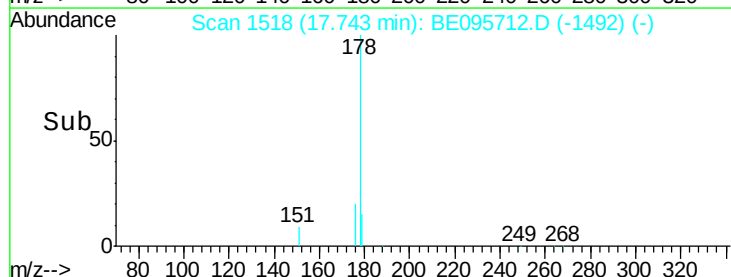
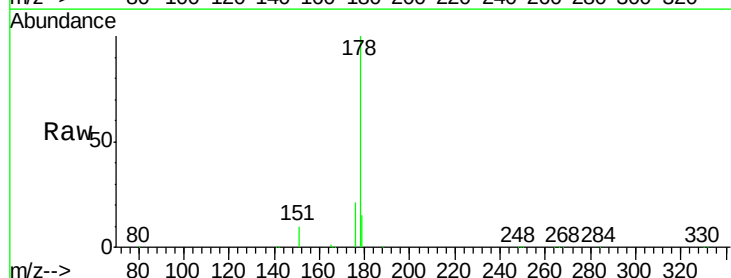
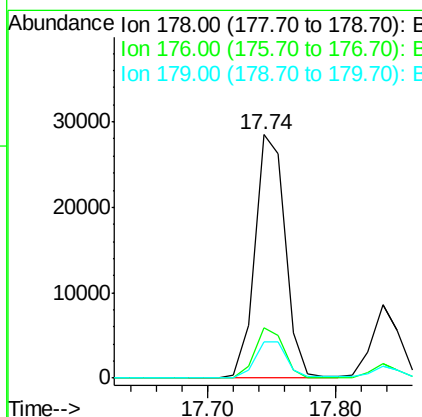
RT: 17.74 min Scan# 1518

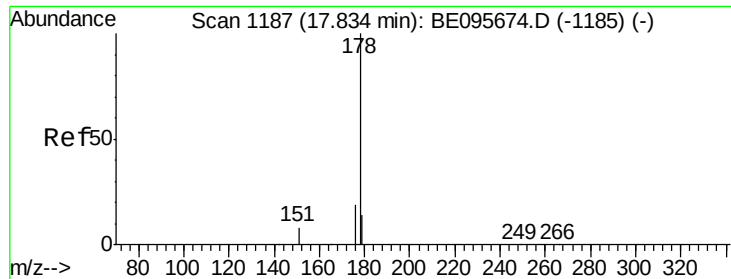
Delta R.T. -0.00 min

Lab File: BE095712.D

Acq: 6 Mar 2018 23:58

Tgt Ion:	178	Resp:	46663
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.1	22.7
179	15.6	11.8	17.6





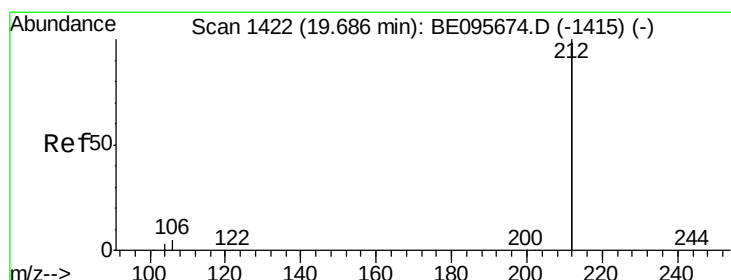
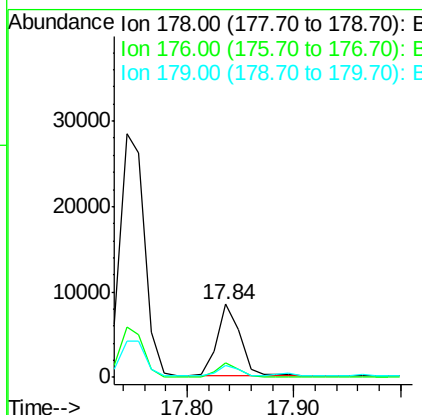
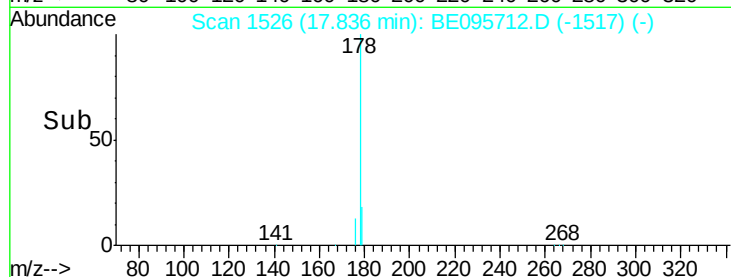
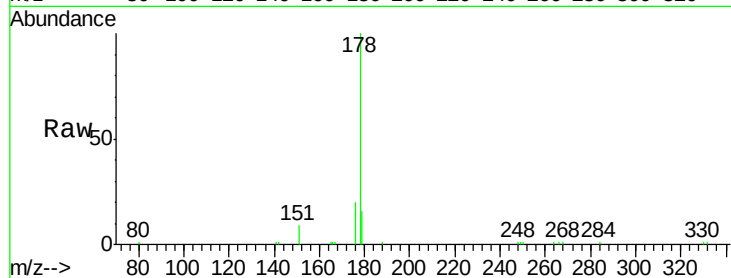
#24
 Anthracene
 Concen: 0.577 ng
 RT: 17.84 min Scan# 1526
 Delta R.T. 0.00 min
 Lab File: BE095712.D
 Acq: 6 Mar 2018 23:58

Instrument :
 BNA_E
 ClientSampleId :
 T-8_030518

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	12.8	19.2
179	14.2	13.0	19.6

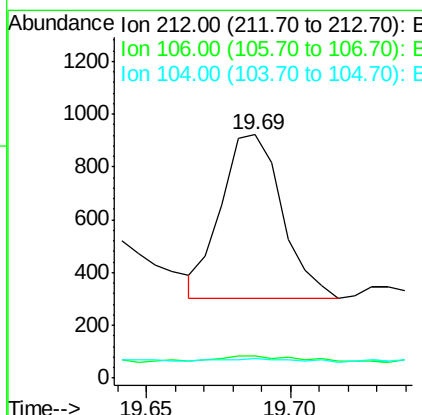
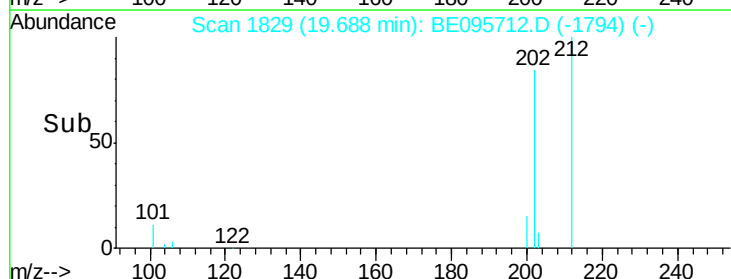
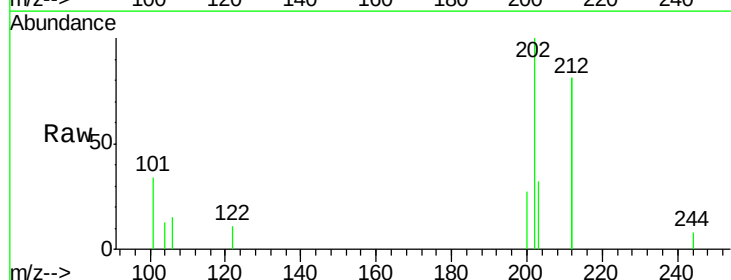
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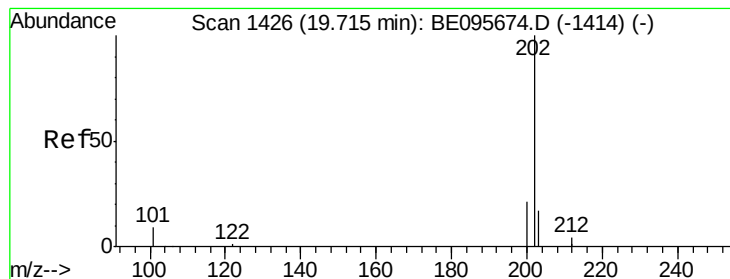
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#25
 Fluoranthene-d10
 Concen: 0.009 ng
 RT: 19.69 min Scan# 1829
 Delta R.T. 0.00 min
 Lab File: BE095712.D
 Acq: 6 Mar 2018 23:58

Tgt Ion	Ratio	Lower	Upper
212	100		
106	5.0	2.8	4.2#
104	2.9	1.6	2.4#





#26

Fluoranthene

Concen: 2.604 ng

RT: 19.72 min Scan# 1834

Delta R.T. 0.00 min

Lab File: BE095712.D

Acq: 6 Mar 2018 23:58

Instrument :

BNA_E

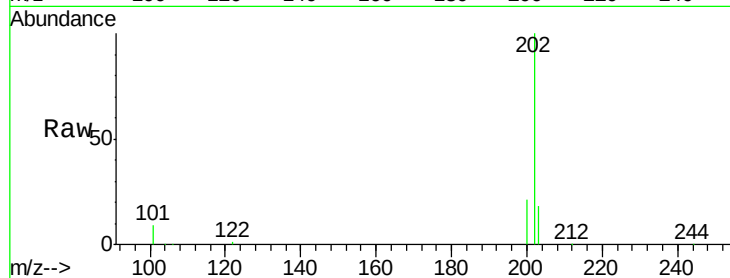
ClientSampleId :

T-8_030518

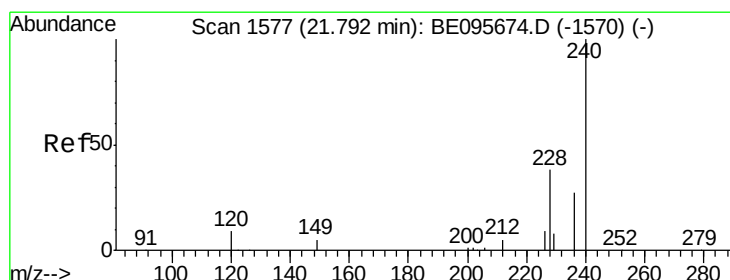
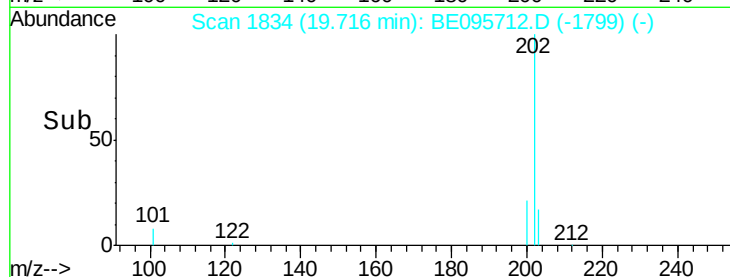
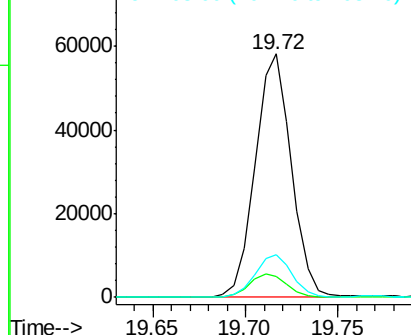
Tot Ion:	202	Resp:	78550
Ion Ratio	Lower	Upper	
202	100		
101	9.8	9.8	14.8#
203	17.6	13.7	20.5

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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: 21.80 min Scan# 2029

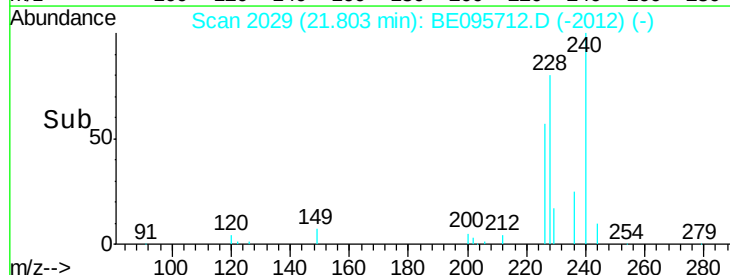
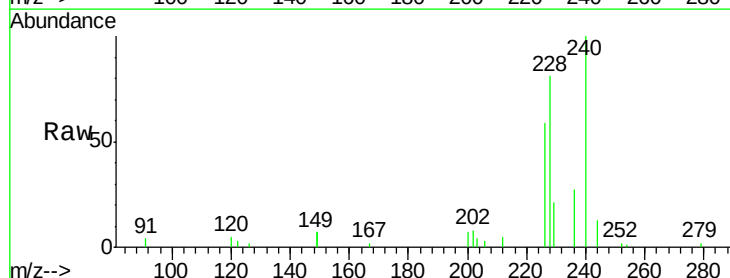
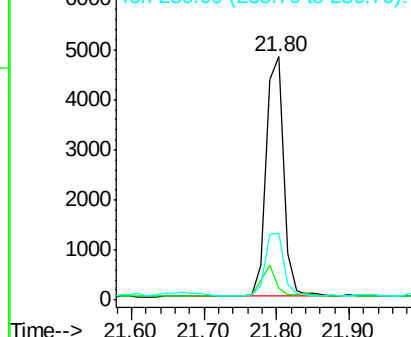
Delta R.T. 0.01 min

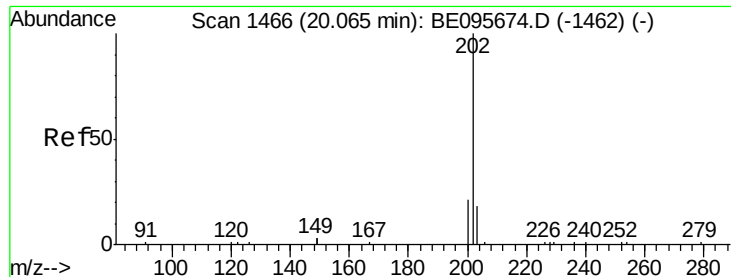
Lab File: BE095712.D

Acq: 6 Mar 2018 23:58

Tgt Ion:	240	Resp:	7962
Ion Ratio	Lower	Upper	
240	100		
120	5.1	5.5	8.3#
236	27.5	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





#28

Pvrene

Concen: 2.745 ng

RT: 20.06 min Scan# 1885

Delta R.T. -0.00 min

Lab File: BE095712.D

Acq: 6 Mar 2018 23:58

Instrument :

BNA_E

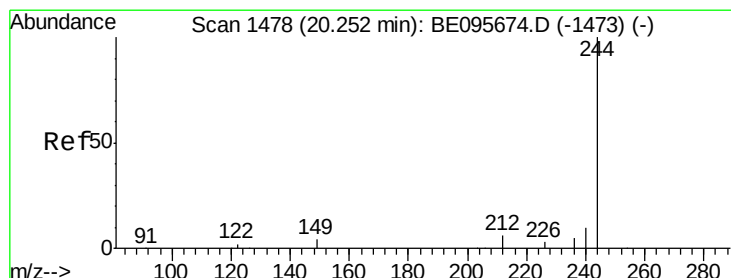
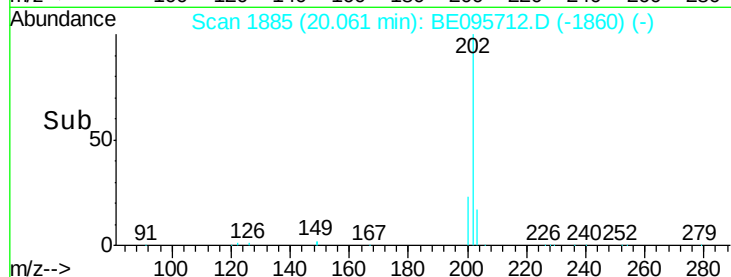
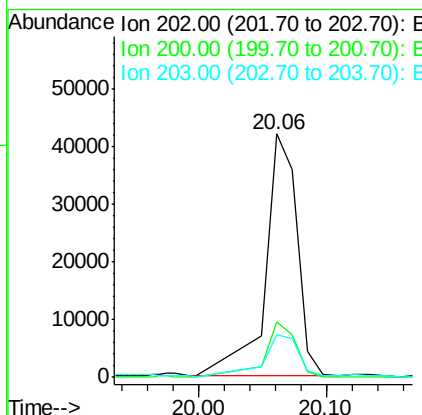
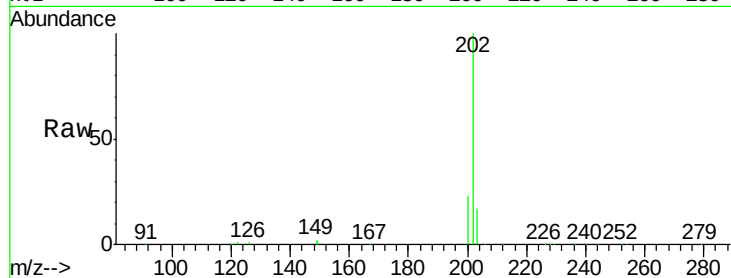
ClientSampleId :

T-8_030518

Tot Ion:	202	Resp:	89366
Ion Ratio	Lower	Upper	
202	100		
200	19.6	16.6	25.0
203	18.6	13.8	20.8

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#29

Terphenyl-d14

Concen: 0.013 ng

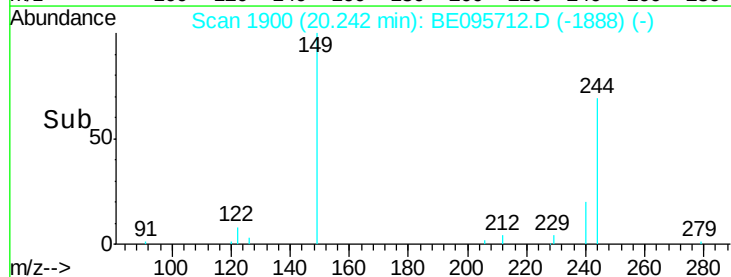
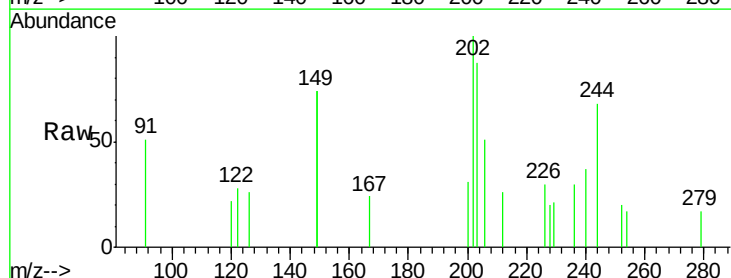
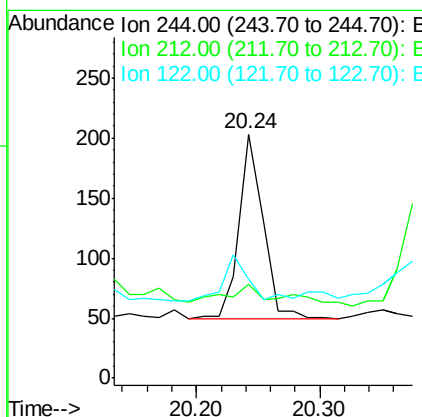
RT: 20.24 min Scan# 1900

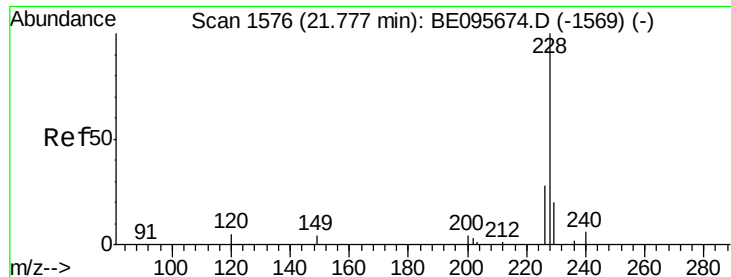
Delta R.T. -0.01 min

Lab File: BE095712.D

Acq: 6 Mar 2018 23:58

Tgt Ion:	244	Resp:	206
Ion Ratio	Lower	Upper	
244	100		
212	38.4	25.4	38.0#
122	40.9	8.1	12.1#





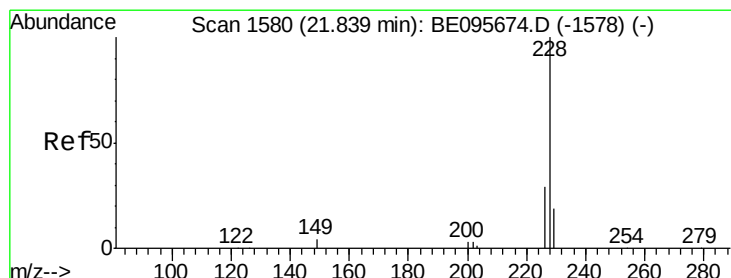
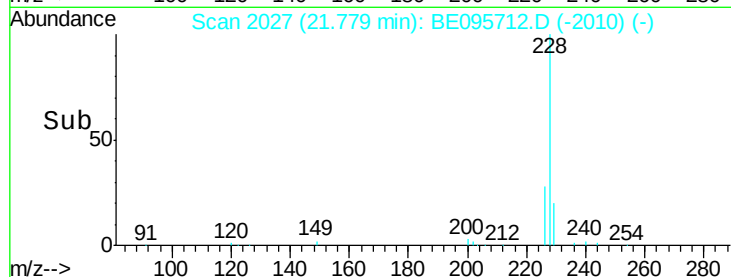
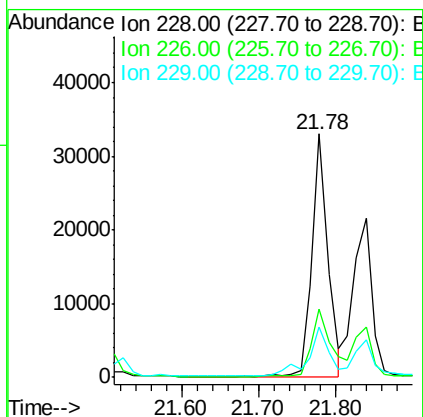
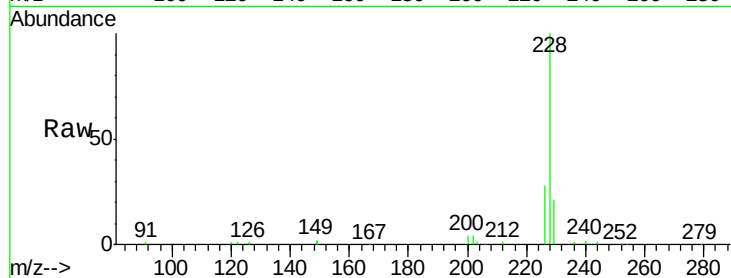
#30
Benzo(a)anthracene
Concen: 1.806 ng
RT: 21.78 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BE095712.D
Acq: 6 Mar 2018 23:58

Instrument :
BNA_E
ClientSampled :
T-8_030518

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	24.0	36.0
229	20.7	16.0	24.0

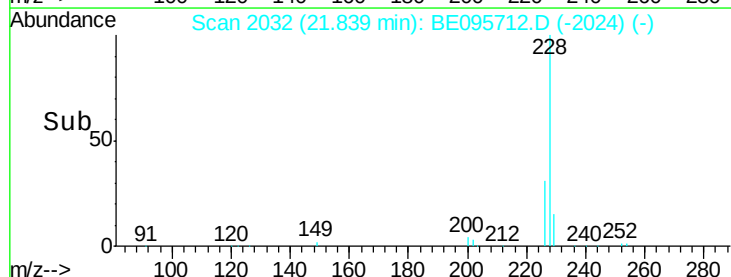
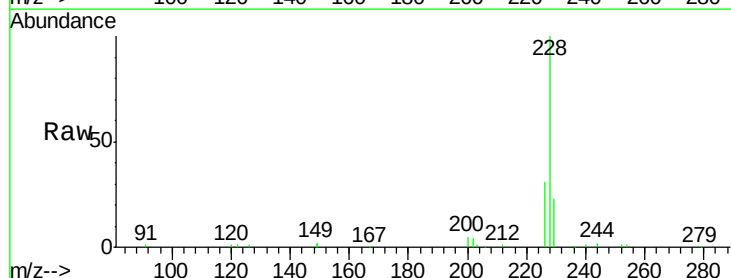
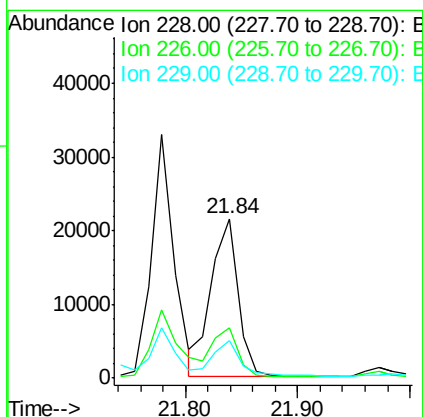
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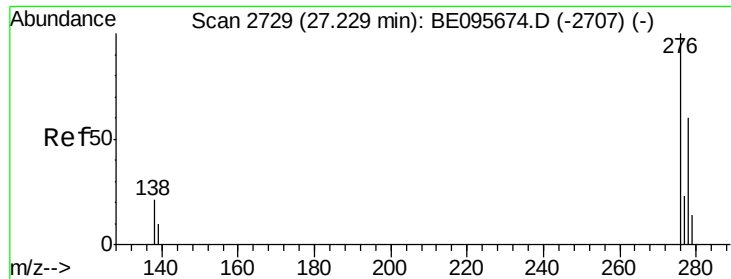
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#31
Chrysene
Concen: 1.393 ng
RT: 21.84 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BE095712.D
Acq: 6 Mar 2018 23:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.0	36.0
229	23.4	16.0	24.0





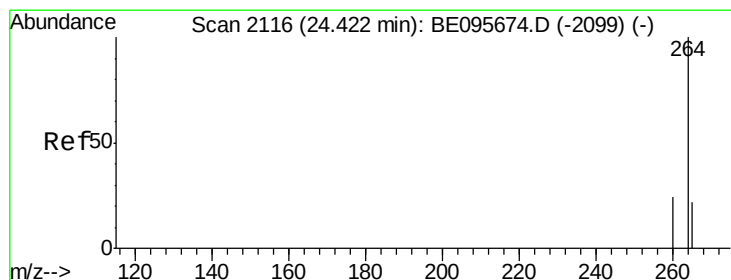
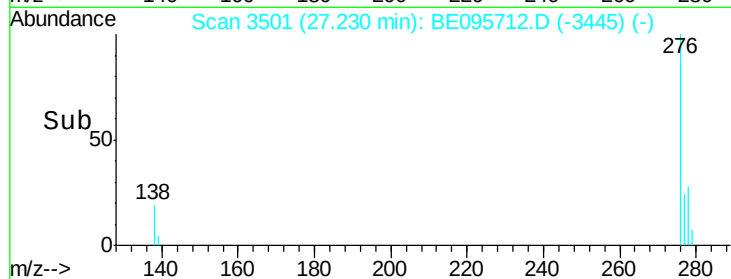
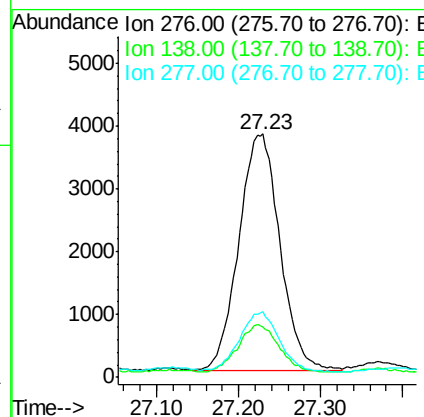
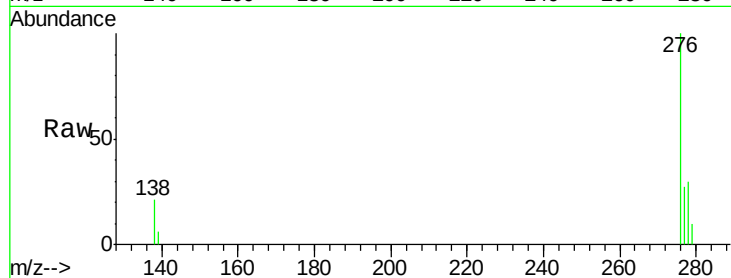
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.520 ng
RT: 27.23 min Scan# 3501
Delta R.T. 0.00 min
Lab File: BE095712.D
Acq: 6 Mar 2018 23:58

Instrument :
BNA_E
ClientSampleId :
T-8_030518

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.0	22.5	33.7#
277	25.2	19.9	29.9

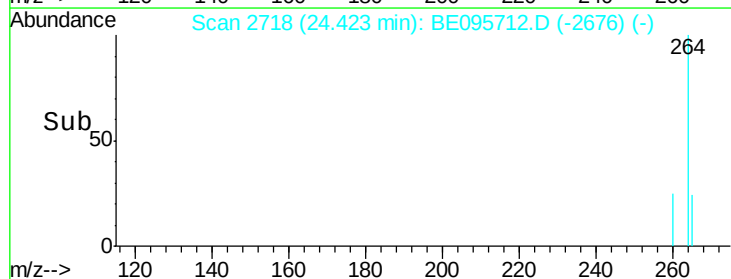
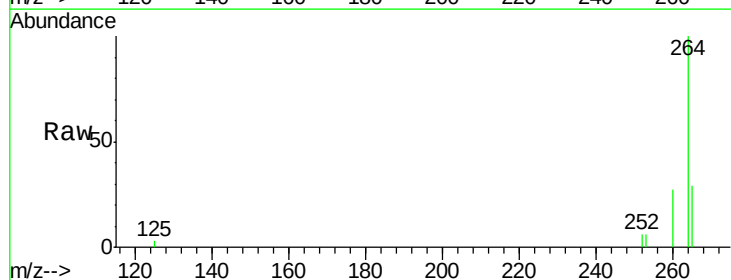
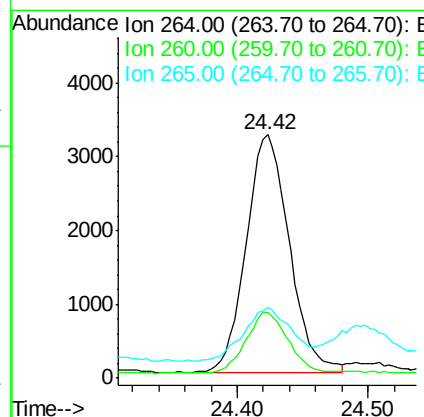
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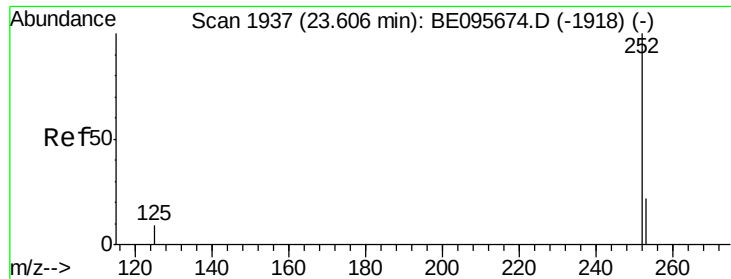
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#34
Perylene-d12
Concen: 0.400 ng
RT: 24.42 min Scan# 2718
Delta R.T. 0.00 min
Lab File: BE095712.D
Acq: 6 Mar 2018 23:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.7	20.5	30.7
265	29.3	22.8	34.2





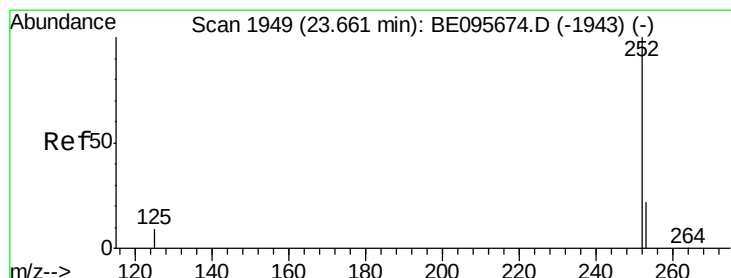
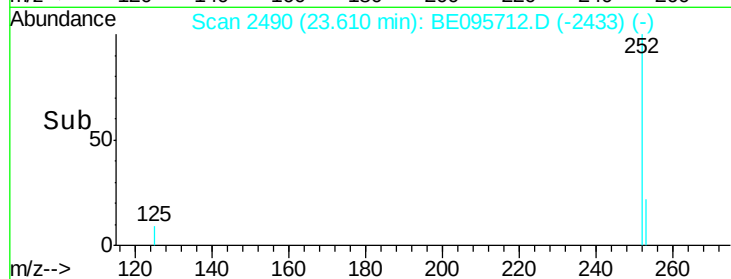
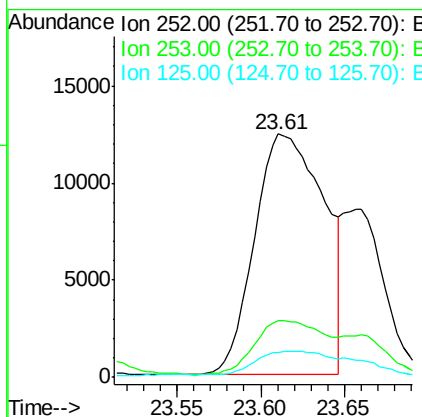
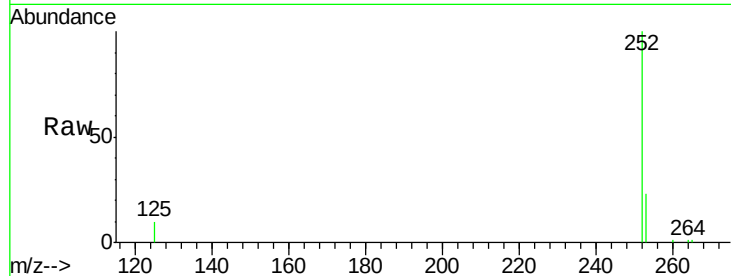
#35
Benzo(b)fluoranthene
Concen: 1.364 ng
RT: 23.61 min Scan# 2490
Delta R.T. 0.00 min
Lab File: BE095712.D
Acq: 6 Mar 2018 23:58

Instrument :
BNA_E
ClientSampleId :
T-8_030518

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	20.0	30.0
125	10.3	16.0	24.0

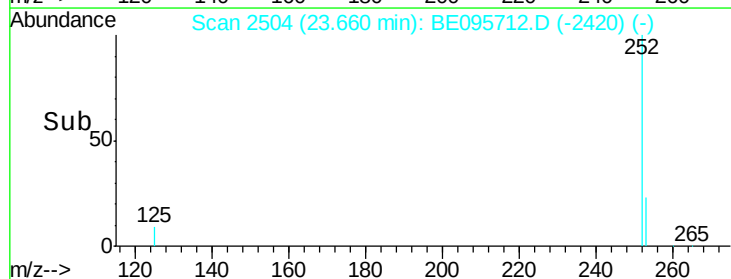
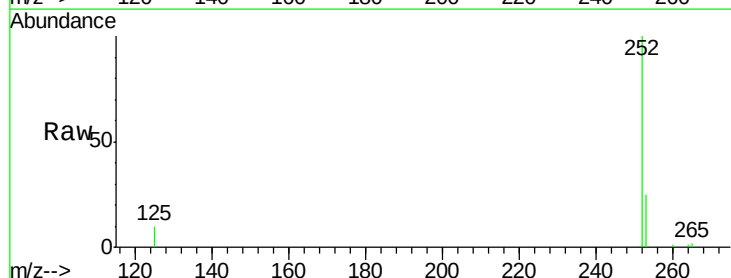
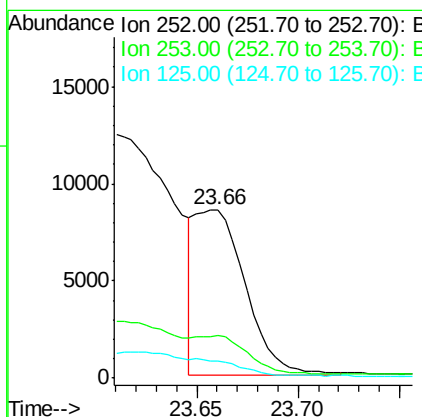
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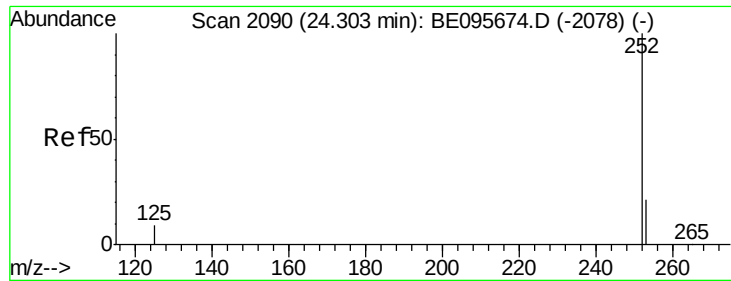
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#36
Benzo(k)fluoranthene
Concen: 0.562 ng m
RT: 23.66 min Scan# 2504
Delta R.T. -0.00 min
Lab File: BE095712.D
Acq: 6 Mar 2018 23:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	16.0	24.0
125	10.4	8.0	12.0





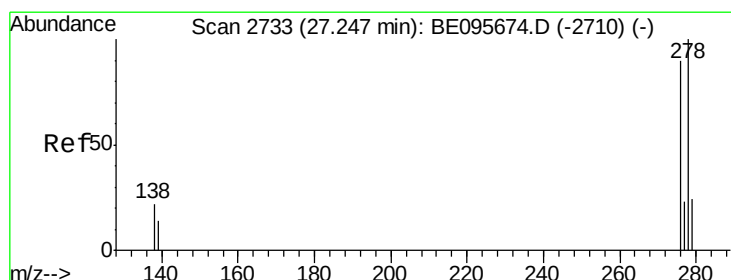
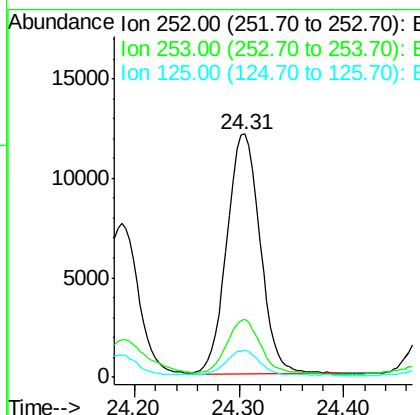
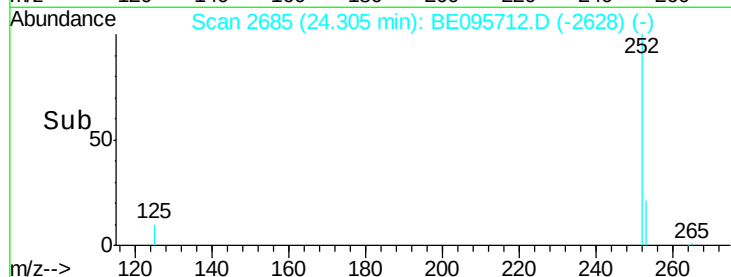
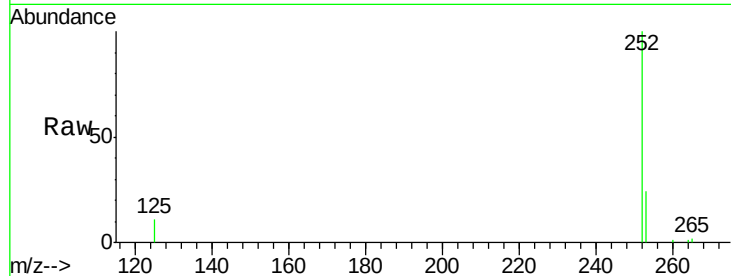
#37
Benzo(a)pyrene
Concen: 1.117 ng
RT: 24.31 min Scan# 2685
Delta R.T. 0.00 min
Lab File: BE095712.D
Acq: 6 Mar 2018 23:58

Instrument :
BNA_E
ClientSampleId :
T-8_030518

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	16.0	24.0
125	11.1	12.0	18.0

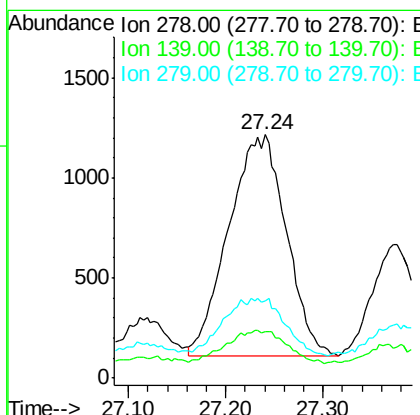
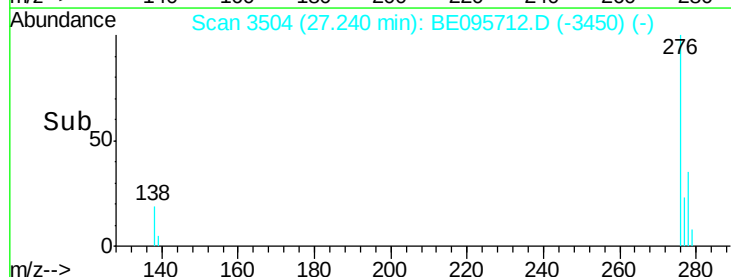
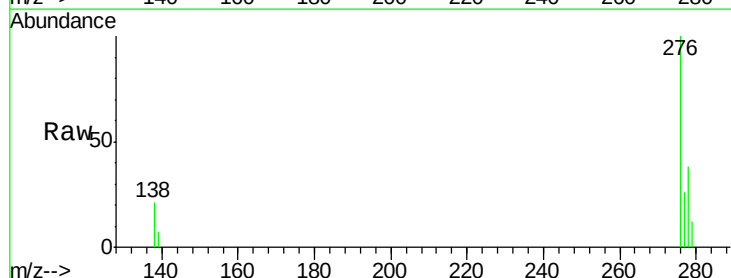
Manual Integrations
APPROVED

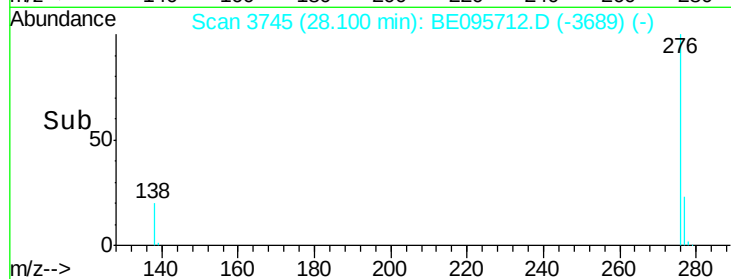
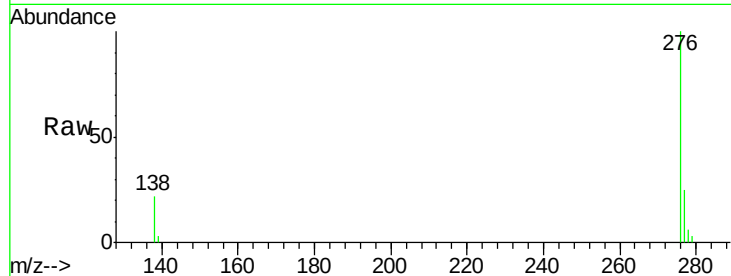
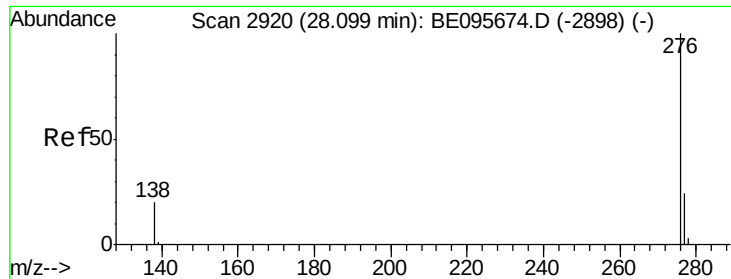
Sohil
3/7/2018 12:20:26 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.214 ng
RT: 27.24 min Scan# 3504
Delta R.T. -0.01 min
Lab File: BE095712.D
Acq: 6 Mar 2018 23:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.2	16.0	24.0
279	32.0	20.0	30.0





#39

Benzo(a,h,i)perylene

Concen: 0.500 ng

RT: 28.10 min Scan# 3745

Delta R.T. 0.00 min

Lab File: BE095712.D

Acq: 6 Mar 2018 23:58

Instrument :

BNA_E

ClientSampleId :

T-8_030518

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	16.0	24.0
138	21.6	20.0	30.0

Manual Integrations
APPROVED

Sohil
3/7/2018 12:20:26 PM

