

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE030618\
 Data File : BE095706.D
 Acq On : 6 Mar 2018 20:23
 Operator : SJ/JU
 Sample : J1811-02 20X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 T-2_030518

Manual Integrations
 APPROVED

Sohil
 3/7/2018 12:20:14 PM

Quant Time: Mar 07 01:52:35 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	1400	0.40	ng	0.00
7) Naphthalene-d8	11.27	136	5695	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	3340	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	7672	0.40	ng	0.00
27) Chrysene-d12	21.80	240	7769	0.40	ng	0.00
34) Perylene-d12	24.43	264	7315	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	39	0.01	ng	0.00
5) Phenol-d6	7.56	99	51	0.01	ng	0.00
8) Nitrobenzene-d5	9.61	82	67	0.01	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	111	0.01	ng	0.00
14) 2,4,6-Tribromophenol	16.48	330	11	0.12	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	162	0.01	ng	0.00
25) Fluoranthene-d10	19.68	212	843	0.01	ng	0.00
29) Terphenyl-d14	20.24	244	147	0.01	ng	-0.01
Target Compounds						
12) 2-Methylnaphthalene	12.88	142	426	0.038	ng	Qvalue # 89
23) Phenanthrene	17.75	178	7069	0.295	ng	99
24) Anthracene	17.83	178	995	0.045	ng	93
26) Fluoranthene	19.72	202	8470	0.287	ng	97
28) Pyrene	20.07	202	16069	0.506	ng	98
30) Benzo(a)anthracene	21.78	228	5378	0.212	ng	97
31) Chrysene	21.84	228	5751	0.228	ng	95
33) Indeno(1,2,3-cd)pyrene	27.22	276	2243	0.092	ng	# 91
35) Benzo(b)fluoranthene	23.61	252	5123	0.197	ng	# 91
36) Benzo(k)fluoranthene	23.66	252	1939m	0.075	ng	
37) Benzo(a)pyrene	24.31	252	3945	0.168	ng	# 91
38) Dibenzo(a,h)anthracene	27.23	278	665m	0.032	ng	
39) Benzo(a,h,i)perylene	28.10	276	2754	0.123	ng	# 91

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

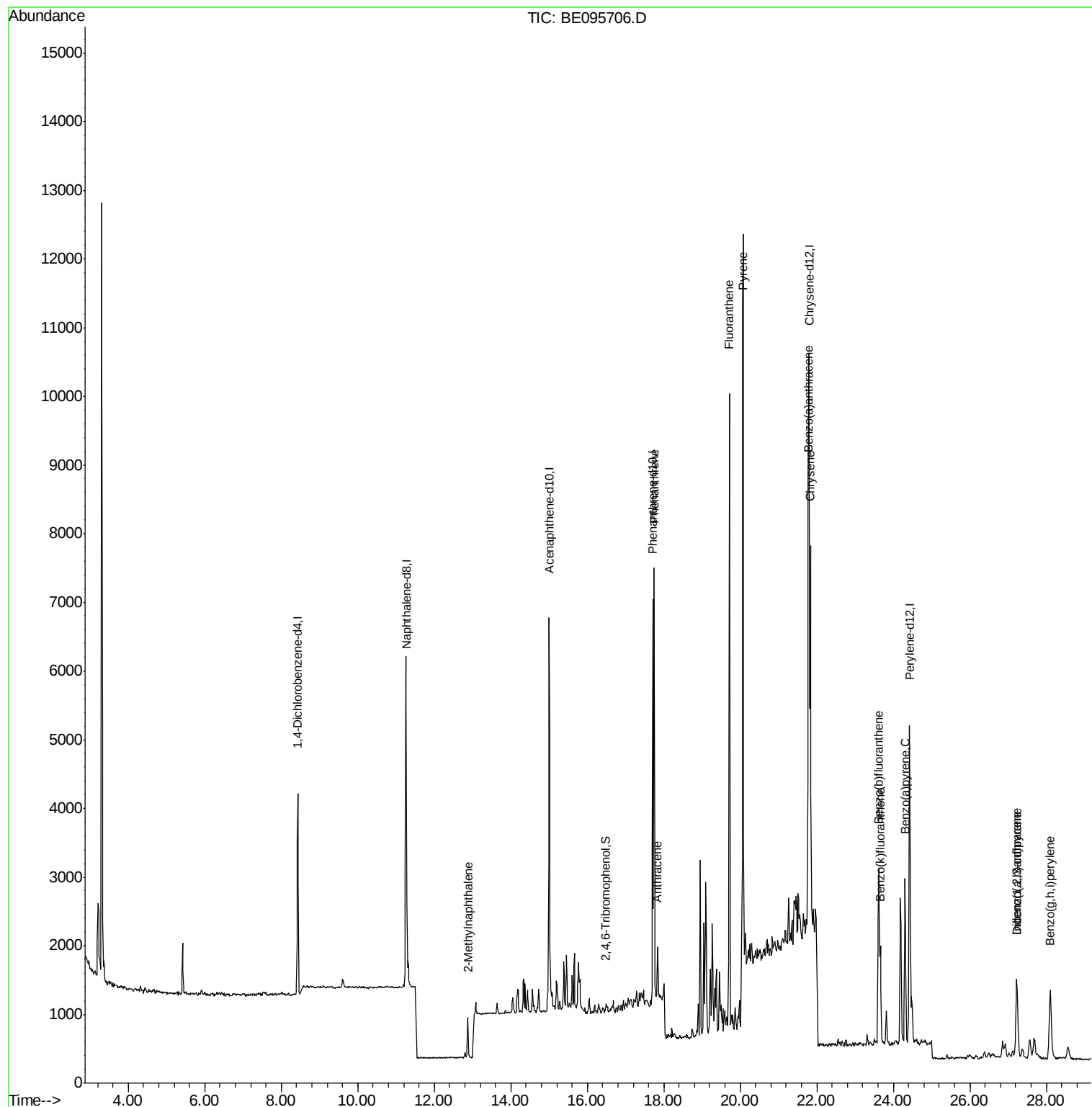
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE030618\
Data File : BE095706.D
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Misc :
ALS Vial : 8 Sample Multiplier: 1

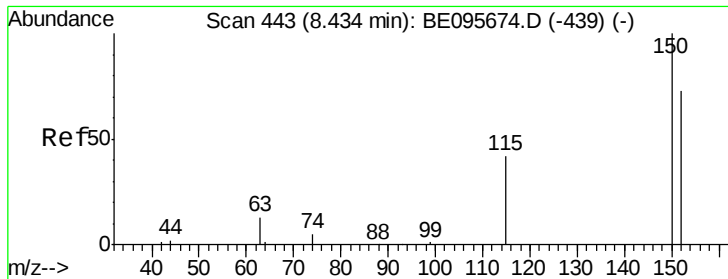
Instrument :
BNA_E
ClientSampleId :
T-2_030518

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#1

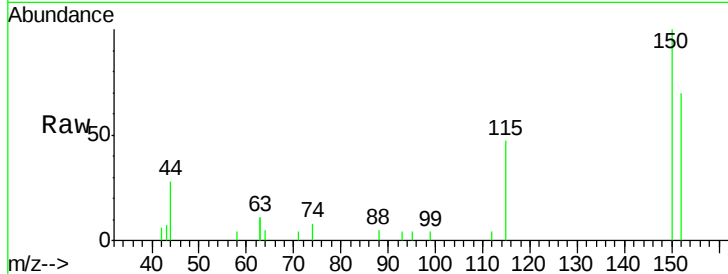
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.43 min Scan# 569
Delta R.T. -0.00 min
Lab File: BE095706.D
Acq: 6 Mar 2018 20:23

Instrument :
BNA_E
ClientSampleId :
T-2_030518

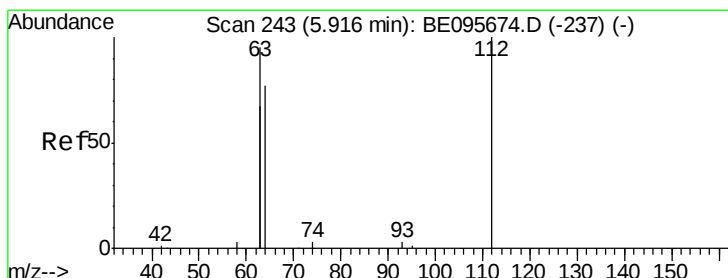
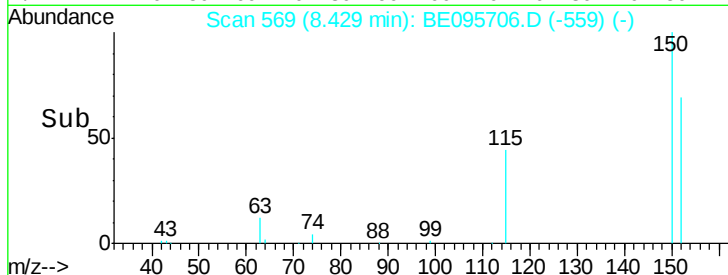
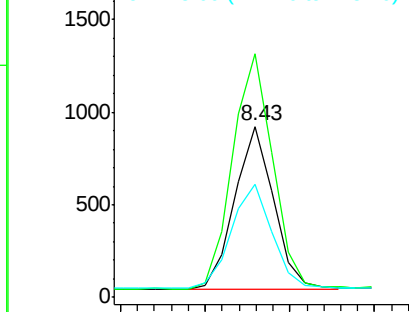
Tot Ion	Ratio	Lower	Upper
152	100		
150	142.5	117.2	175.8
115	66.5	57.0	85.6

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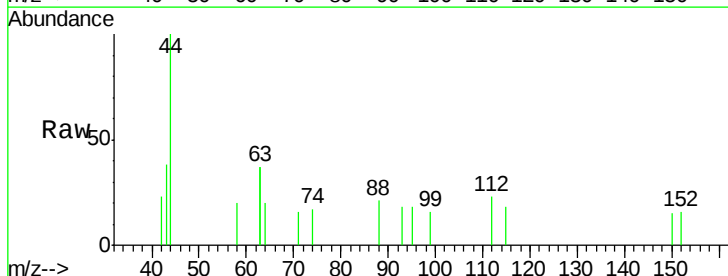
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



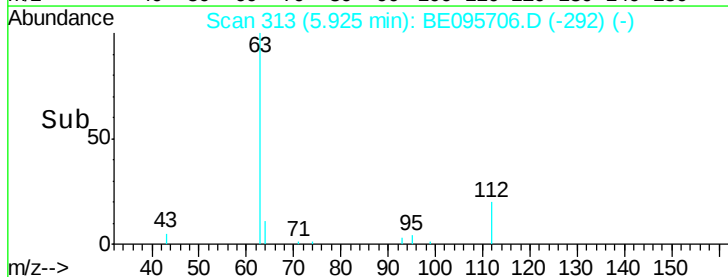
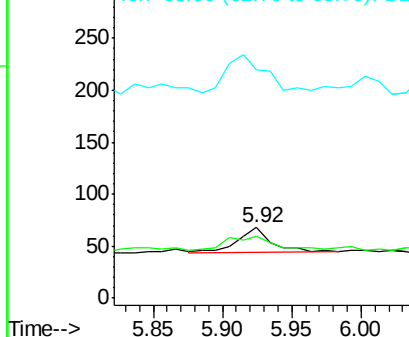
#4

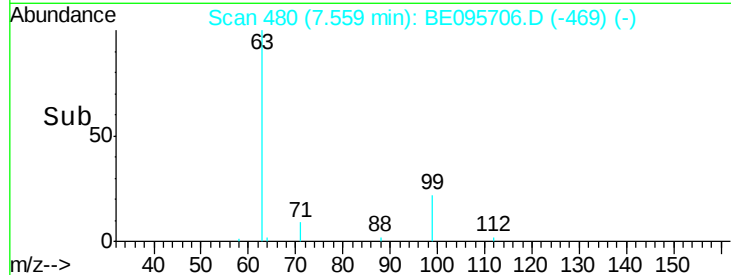
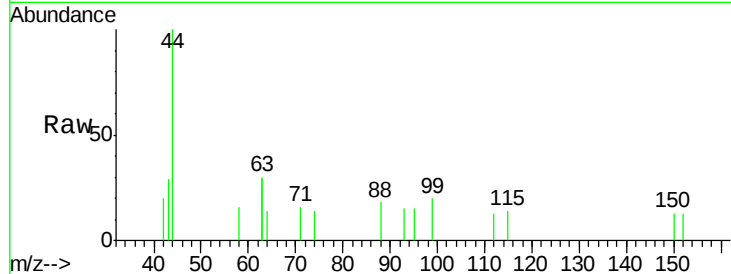
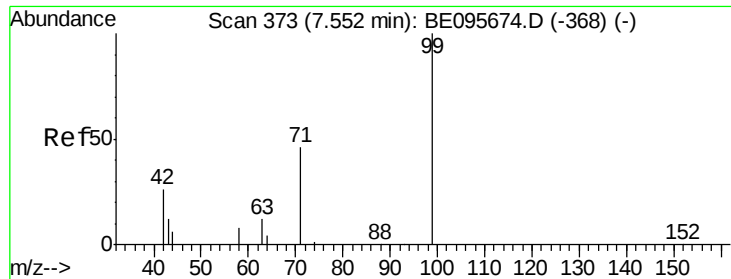
2-Fluorophenol
Concen: 0.011 ng
RT: 5.92 min Scan# 313
Delta R.T. 0.01 min
Lab File: BE095706.D
Acq: 6 Mar 2018 20:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	79.5	60.1	90.1
63	184.6	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





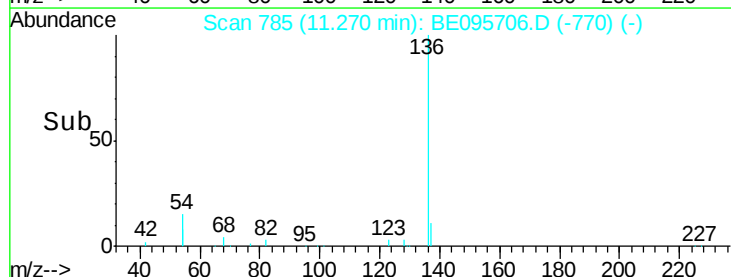
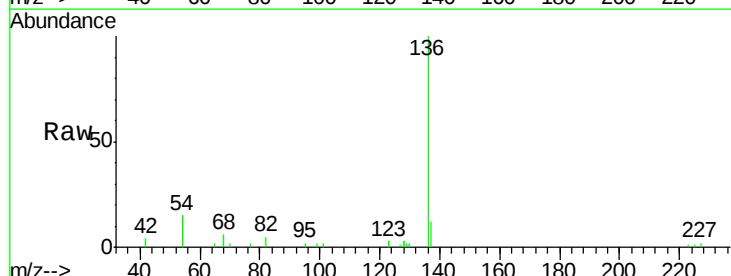
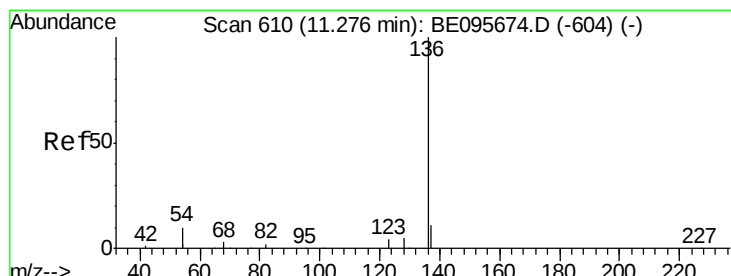
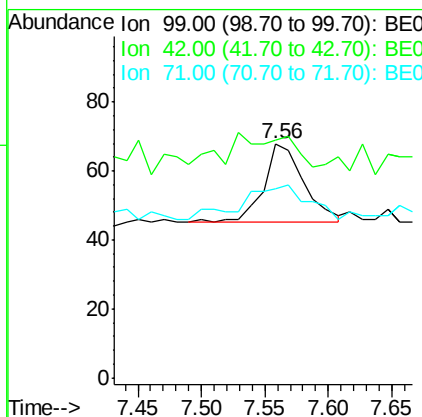
#5
Phenol-d6
Concen: 0.010 ng
RT: 7.56 min Scan# 480
Delta R.T. 0.01 min
Lab File: BE095706.D
Acq: 6 Mar 2018 20:23

Tot Ion	Ratio	Lower	Upper
99	100		
42	0.0	20.2	30.2#
71	68.6	28.4	42.6#

Instrument :
BNA_E
ClientSampleId :
T-2_030518

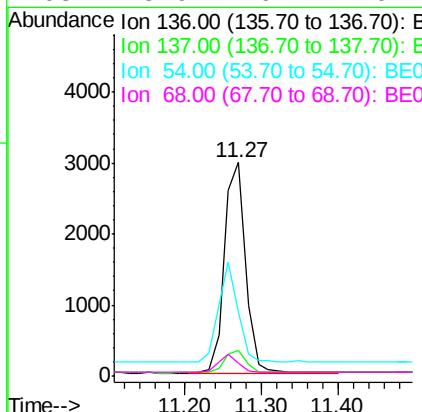
Manual Integrations
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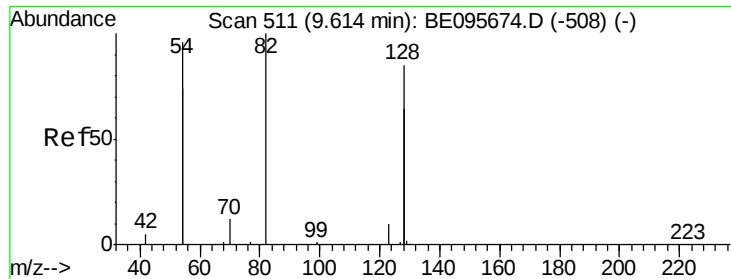
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.27 min Scan# 785
Delta R.T. -0.01 min
Lab File: BE095706.D
Acq: 6 Mar 2018 20:23

Tgt Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.5	14.3
54	29.8	29.1	43.7
68	5.9	6.2	9.2#





#8

Nitrobenzene-d5

Concen: 0.011 ng

RT: 9.61 min Scan# 657

Delta R.T. -0.01 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

Instrument :

BNA_E

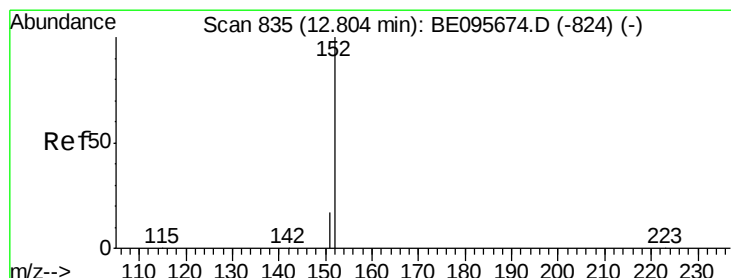
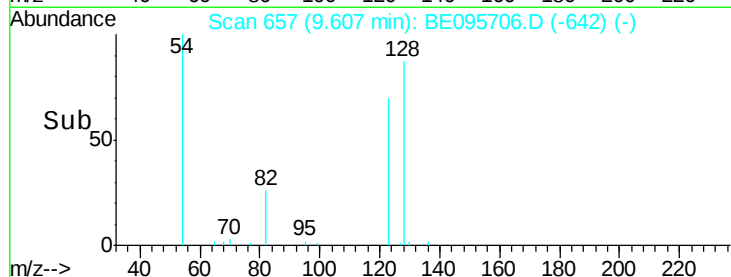
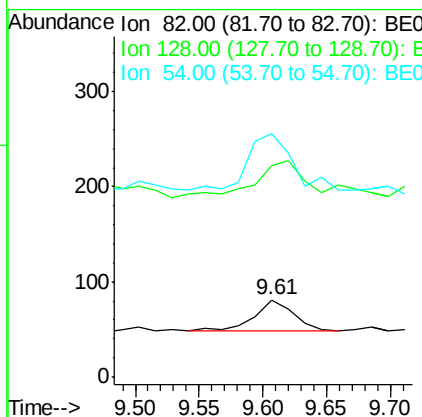
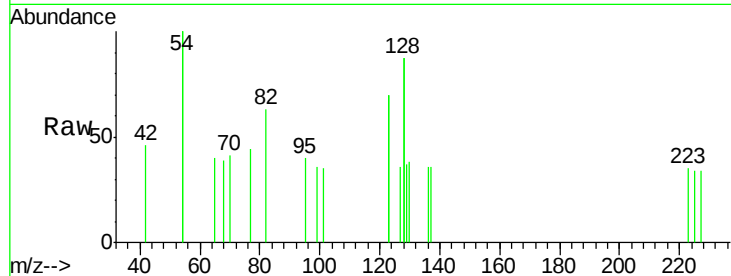
ClientSampleId :

T-2_030518

Tot Ion:	82	Resp:	67
Ion	Ratio	Lower	Upper
82	100		
128	274.1	150.0	225.0#
54	316.0	154.2	231.4#

Manual Integrations
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#11

2-Methylnaphthalene-d10

Concen: 0.012 ng

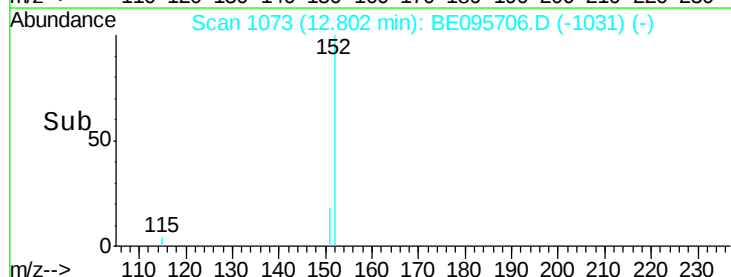
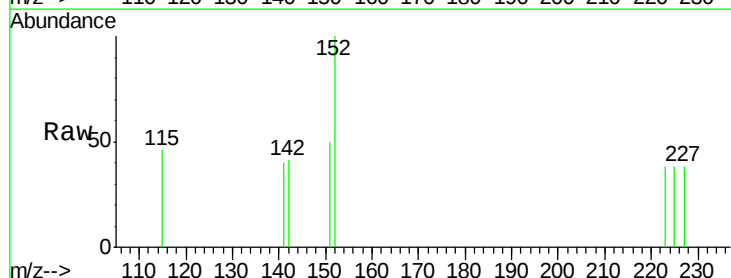
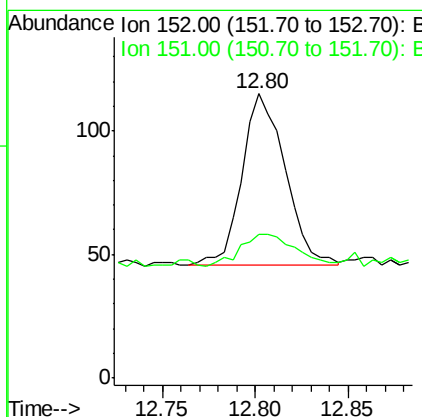
RT: 12.80 min Scan# 1073

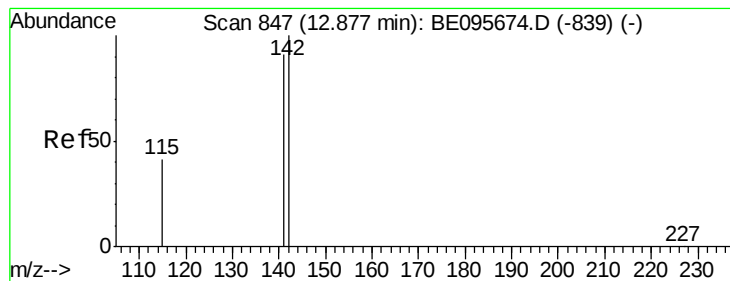
Delta R.T. -0.00 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

Tgt Ion:	152	Resp:	111
Ion	Ratio	Lower	Upper
152	100		
151	25.2	15.4	23.0#





#12

2-Methylnaphthalene

Concen: 0.038 ng

RT: 12.88 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

Instrument :

BNA_E

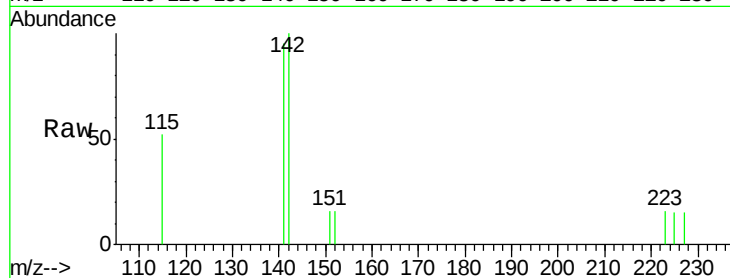
ClientSampleId :

T-2_030518

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.9	70.4	105.6
115	51.7	31.7	47.5

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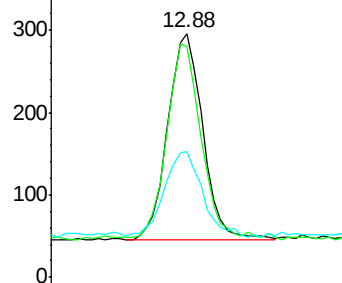


Abundance

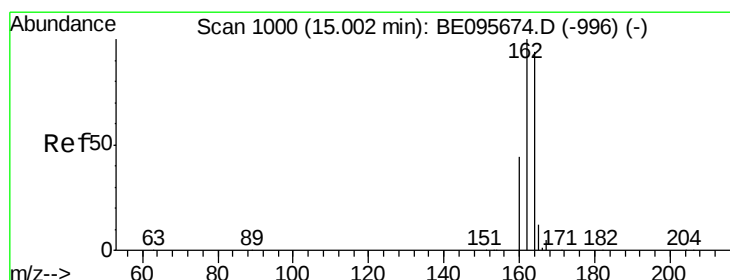
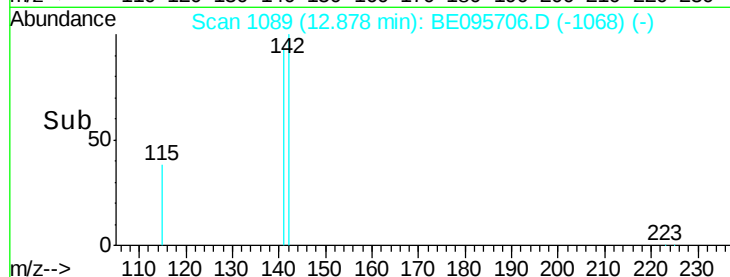
Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

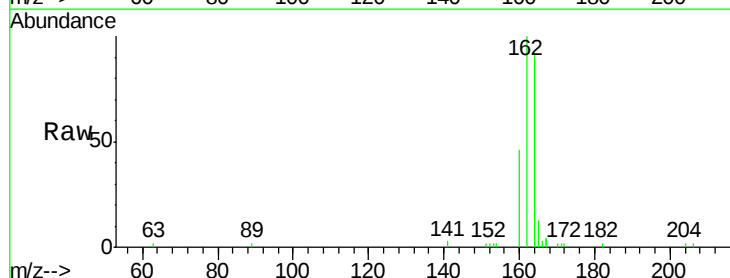
RT: 15.00 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	109.0	83.1	124.7
160	50.1	37.1	55.7

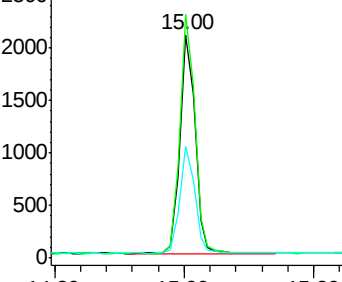


Abundance

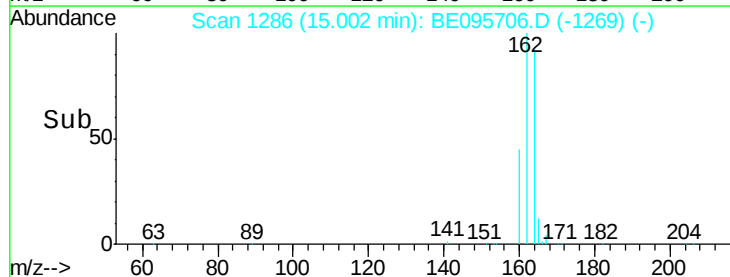
Ion 164.00 (163.70 to 164.70): E

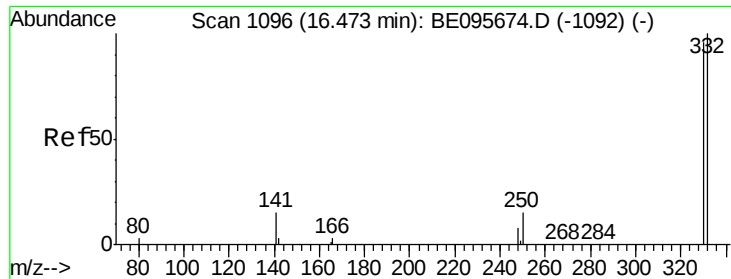
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->





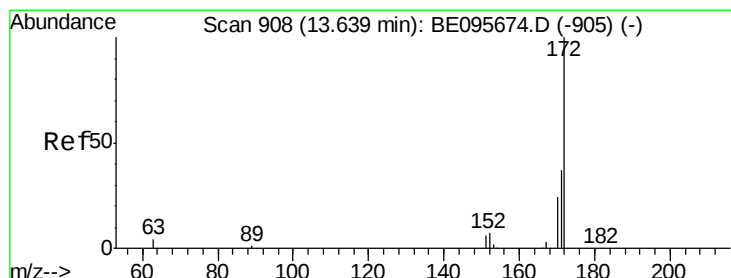
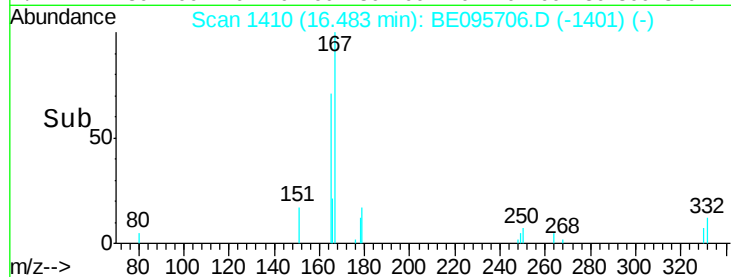
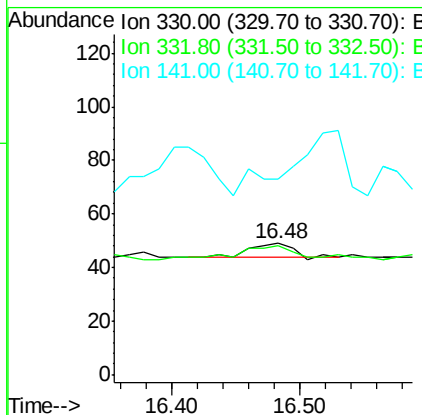
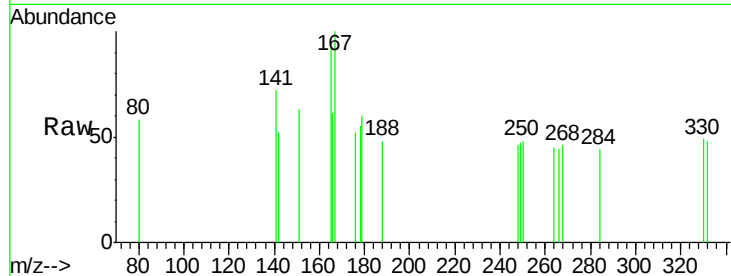
#14
 2,4,6-Tribromophenol
 Concen: 0.122 ng
 RT: 16.48 min Scan# 1410
 Delta R.T. 0.01 min
 Lab File: BE095706.D
 Acq: 6 Mar 2018 20:23

Instrument :
 BNA_E
 ClientSampleId :
 T-2_030518

Tot Ion	Ratio	Lower	Upper
330	100		
332	118.2	152.7	229.1#
141	0.0	33.7	50.5#

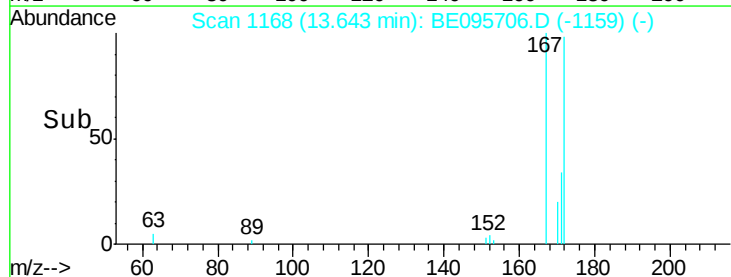
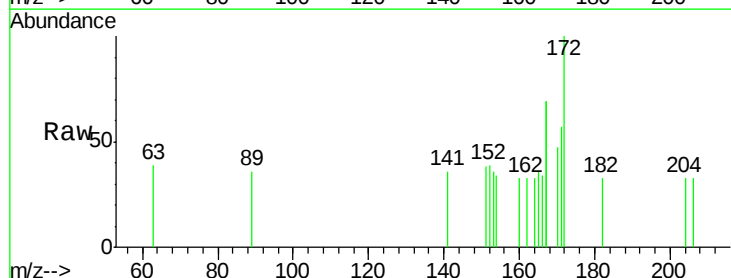
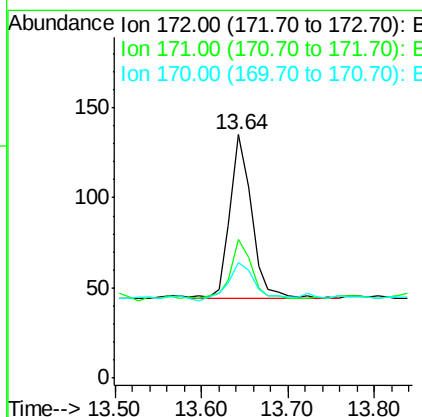
Manual Integrations
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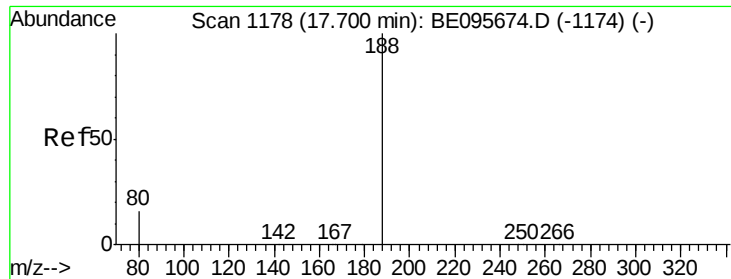
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 3/7/2018 12:20:14 PM



#15
 2-Fluorobiphenyl
 Concen: 0.011 ng
 RT: 13.64 min Scan# 1168
 Delta R.T. 0.00 min
 Lab File: BE095706.D
 Acq: 6 Mar 2018 20:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	57.0	29.9	44.9#
170	47.4	21.8	32.8#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.71 min Scan# 1515

Delta R.T. 0.01 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

Instrument :

BNA_E

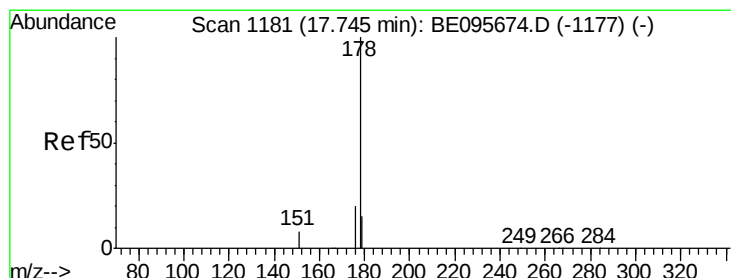
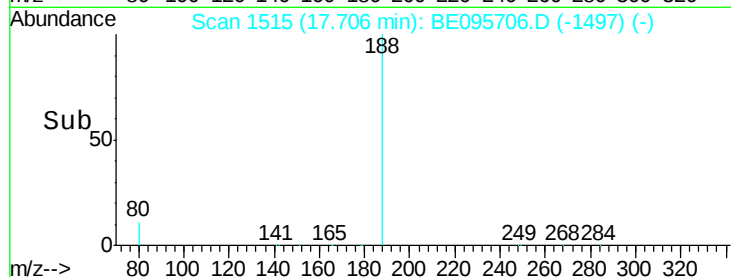
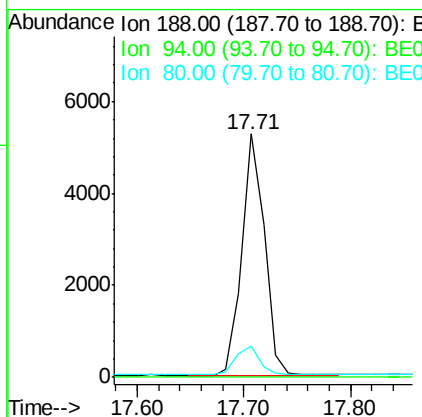
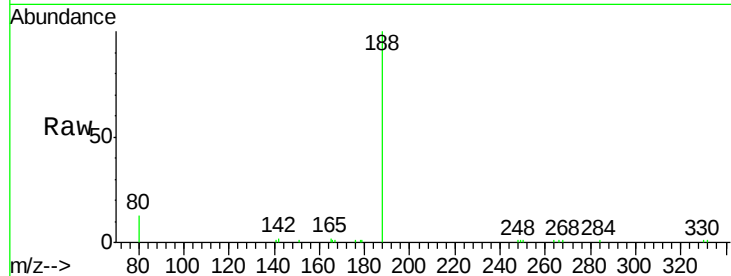
ClientSampleId :

T-2_030518

Tot Ion:	188	Resp:	7672
Ion Ratio	Lower	Upper	
188	100		
94	0.0	3.9	5.9#
80	12.6	3.6	5.4#

Manual Integrations
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#23

Phenanthrene

Concen: 0.295 ng

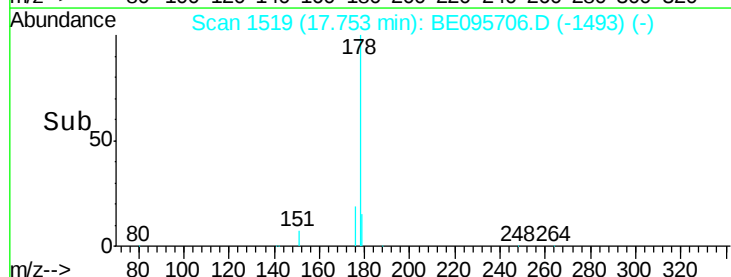
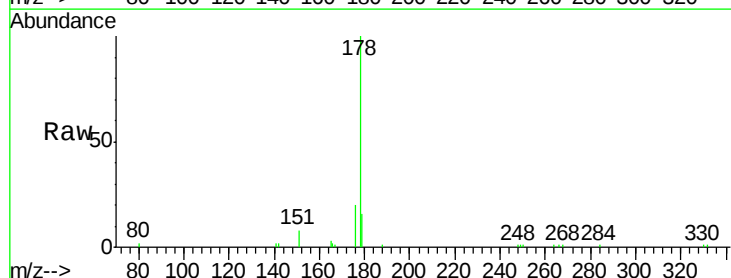
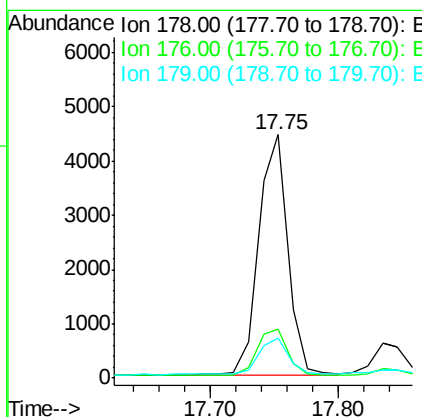
RT: 17.75 min Scan# 1519

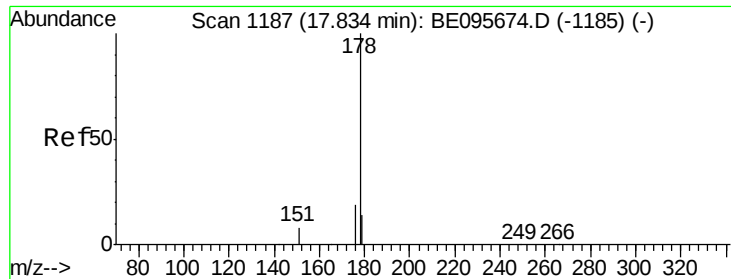
Delta R.T. 0.01 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

Tgt Ion:	178	Resp:	7069
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.1	22.7
179	14.6	11.8	17.6





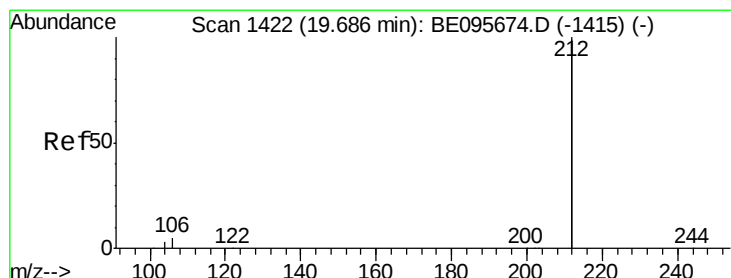
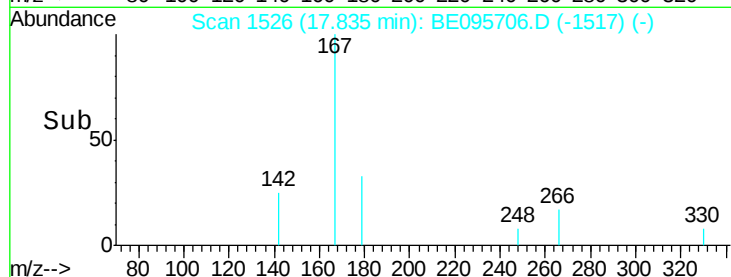
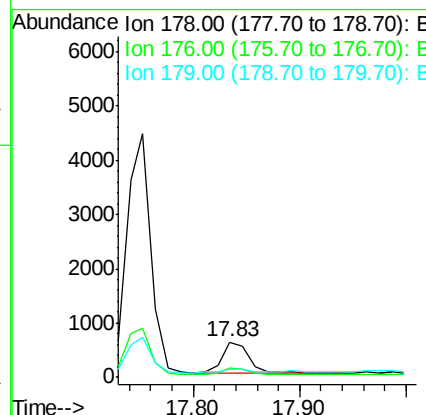
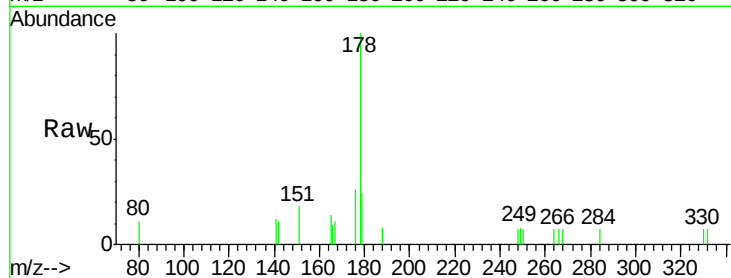
#24
 Anthracene
 Concen: 0.045 ng
 RT: 17.83 min Scan# 1526
 Delta R.T. 0.00 min
 Lab File: BE095706.D
 Acq: 6 Mar 2018 20:23

Instrument :
 BNA_E
 ClientSampleId :
 T-2_030518

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	12.8	19.2
179	13.2	13.0	19.6

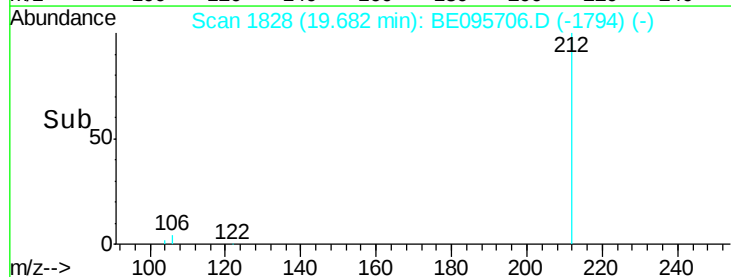
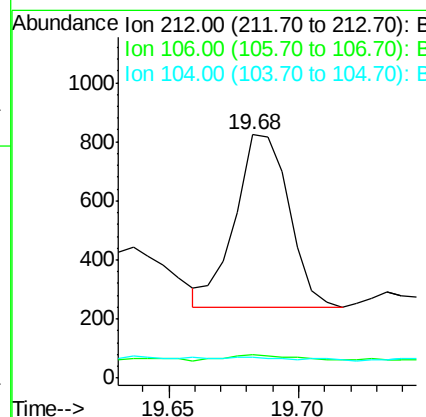
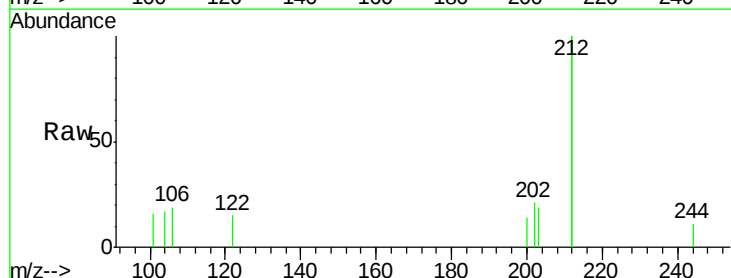
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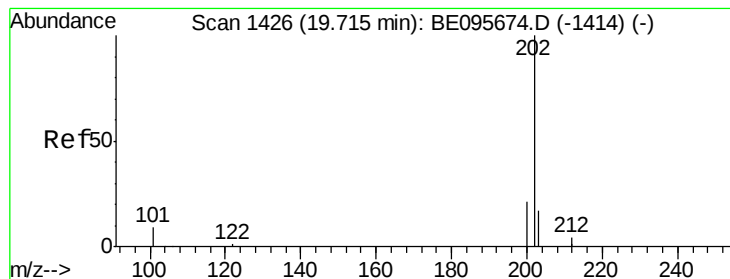
Sohil
 3/7/2018 12:20:14 PM



#25
 Fluoranthene-d10
 Concen: 0.008 ng
 RT: 19.68 min Scan# 1828
 Delta R.T. -0.00 min
 Lab File: BE095706.D
 Acq: 6 Mar 2018 20:23

Tgt Ion	Ratio	Lower	Upper
212	100		
106	4.6	2.8	4.2#
104	2.4	1.6	2.4





#26

Fluoranthene

Concen: 0.287 ng

RT: 19.72 min Scan# 1834

Delta R.T. 0.00 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

Instrument :

BNA_E

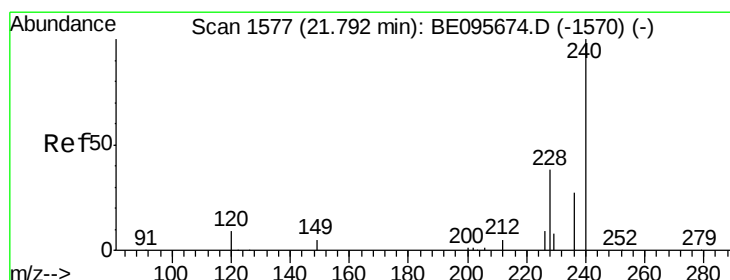
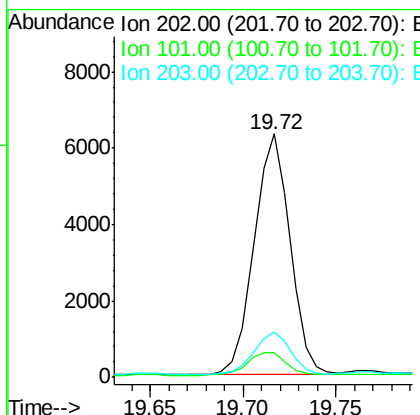
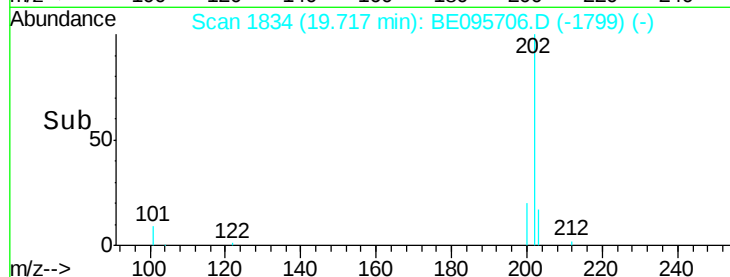
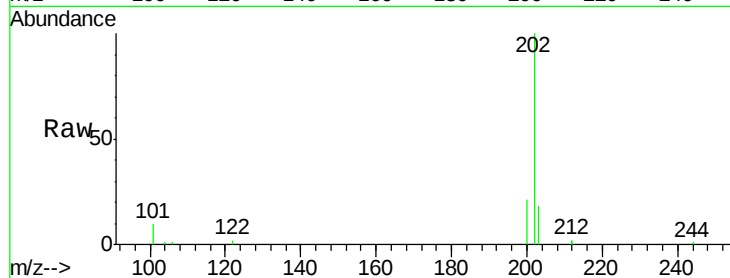
ClientSampleId :

T-2_030518

Tot Ion:	202	Resp:	8470
Ion Ratio	Lower	Upper	
202	100		
101	10.3	9.8	14.8
203	17.8	13.7	20.5

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#27

Chrysene-d12

Concen: 0.400 ng

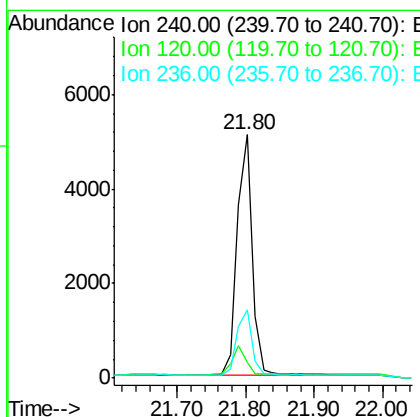
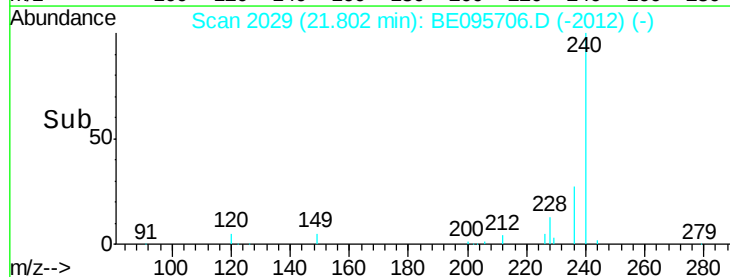
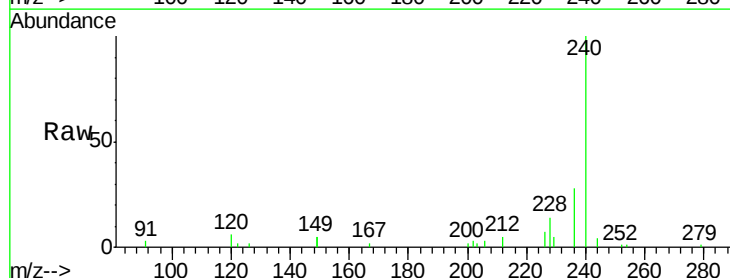
RT: 21.80 min Scan# 2029

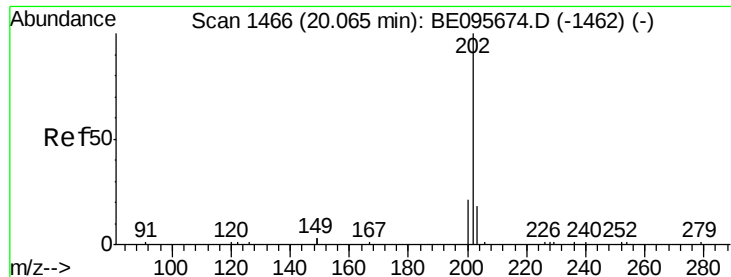
Delta R.T. 0.01 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

Tgt Ion:	240	Resp:	7769
Ion Ratio	Lower	Upper	
240	100		
120	6.4	5.5	8.3
236	28.1	20.7	31.1





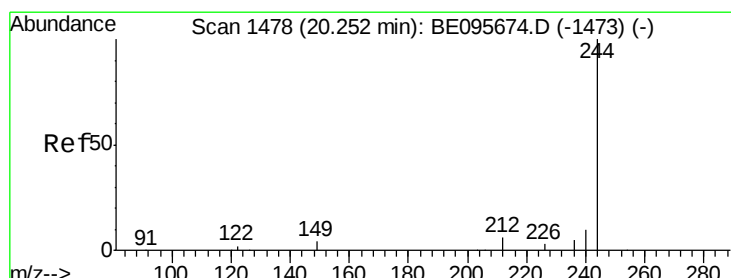
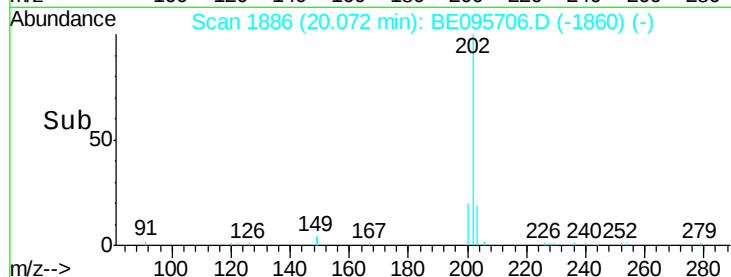
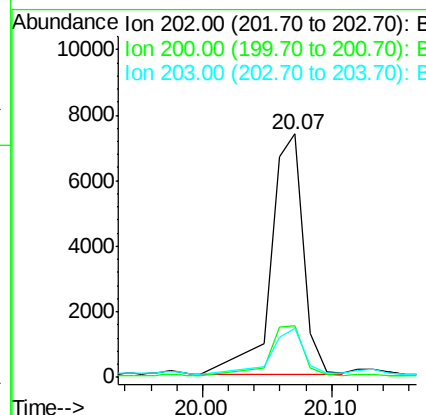
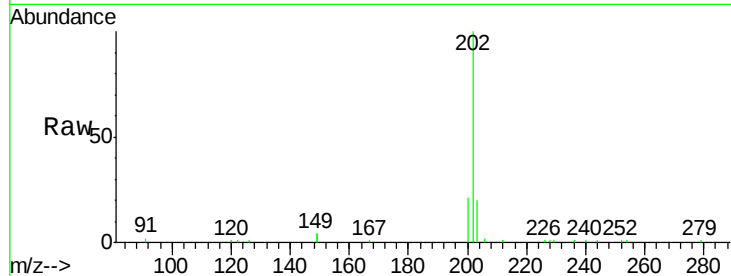
#28
Pvrene
Concen: 0.506 ng
RT: 20.07 min Scan# 1886
Delta R.T. 0.01 min
Lab File: BE095706.D
Acq: 6 Mar 2018 20:23

Instrument :
BNA_E
ClientSampleId :
T-2_030518

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	25.0
203	19.1	13.8	20.8

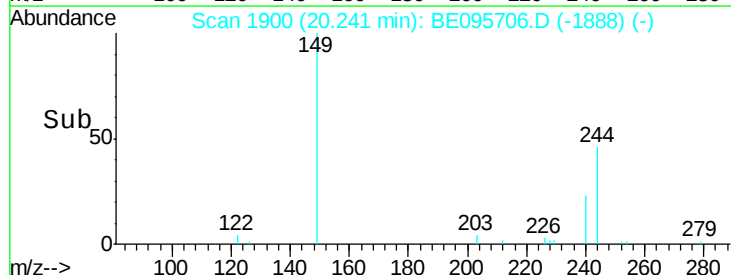
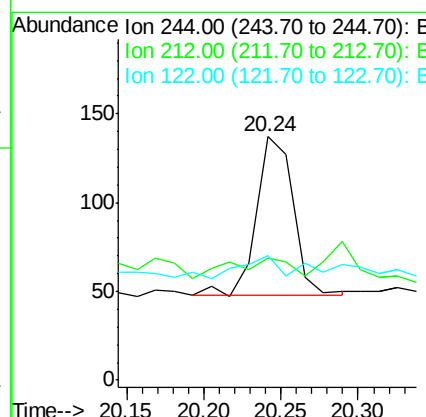
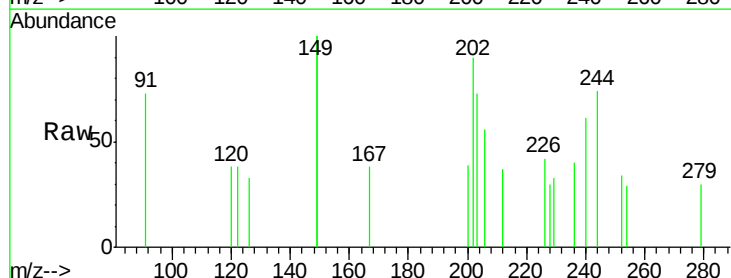
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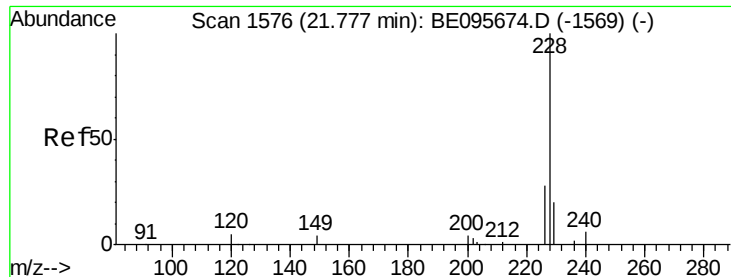
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#29
Terphenyl-d14
Concen: 0.009 ng
RT: 20.24 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BE095706.D
Acq: 6 Mar 2018 20:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	50.4	25.4	38.0#
122	51.1	8.1	12.1#





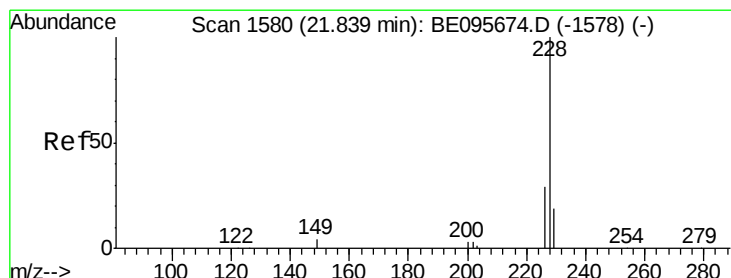
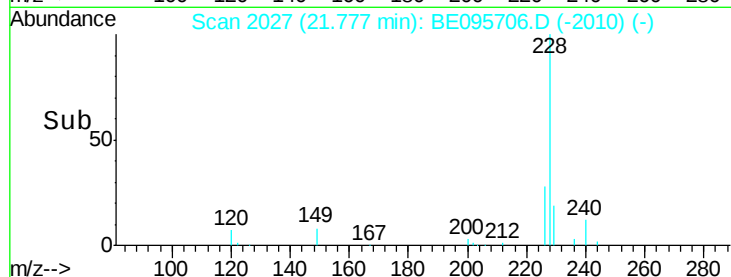
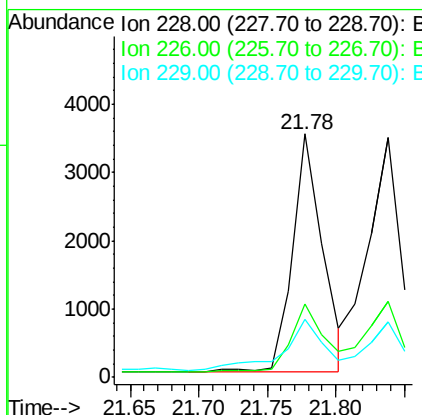
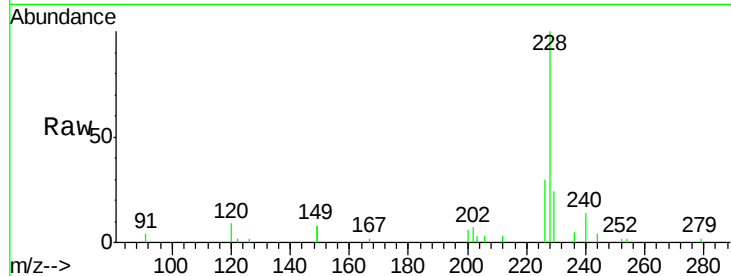
#30
Benzo(a)anthracene
Concen: 0.212 ng
RT: 21.78 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BE095706.D
Acq: 6 Mar 2018 20:23

Instrument :
BNA_E
ClientSampleId :
T-2_030518

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	23.7	16.0	24.0

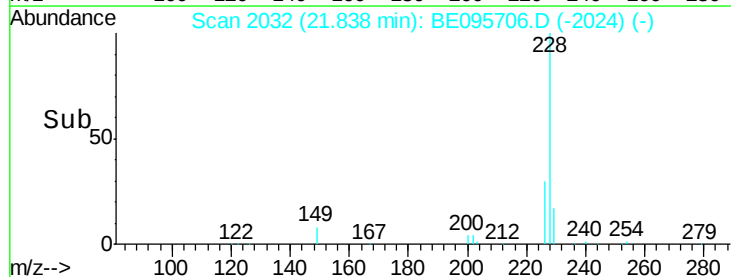
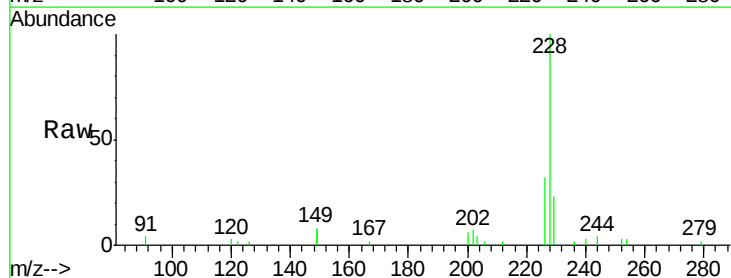
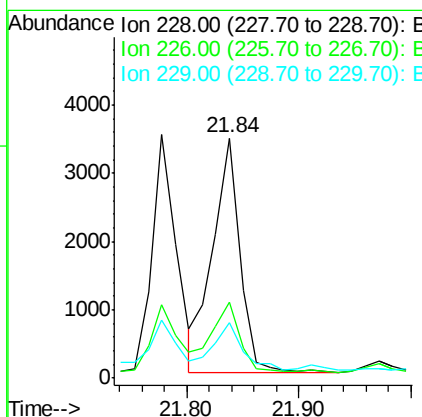
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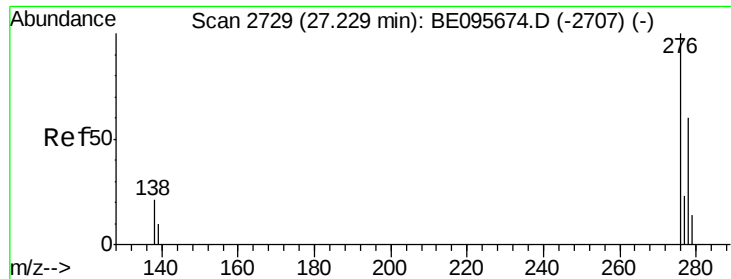
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#31
Chrysene
Concen: 0.228 ng
RT: 21.84 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BE095706.D
Acq: 6 Mar 2018 20:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.0	36.0
229	23.1	16.0	24.0





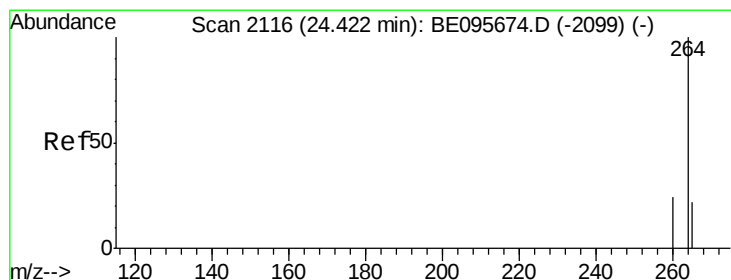
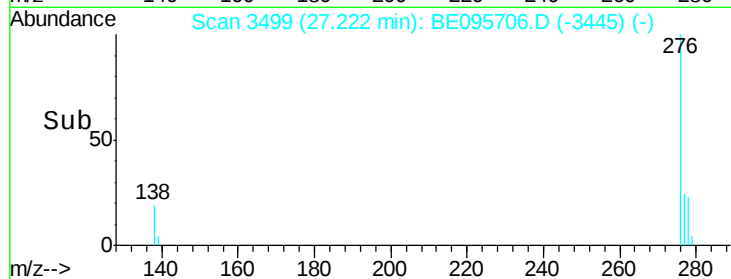
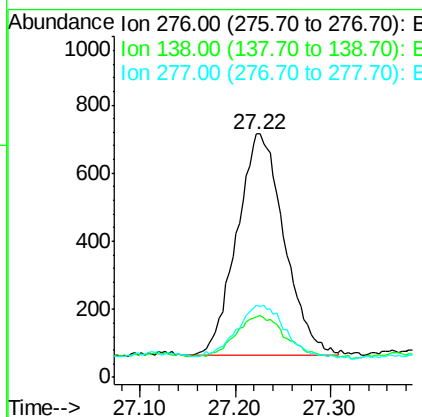
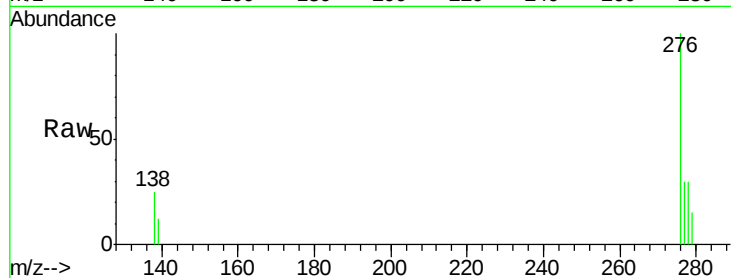
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.092 ng
RT: 27.22 min Scan# 3499
Delta R.T. -0.01 min
Lab File: BE095706.D
Acq: 6 Mar 2018 20:23

Instrument :
BNA_E
ClientSampleId :
T-2_030518

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.0	22.5	33.7#
277	24.7	19.9	29.9

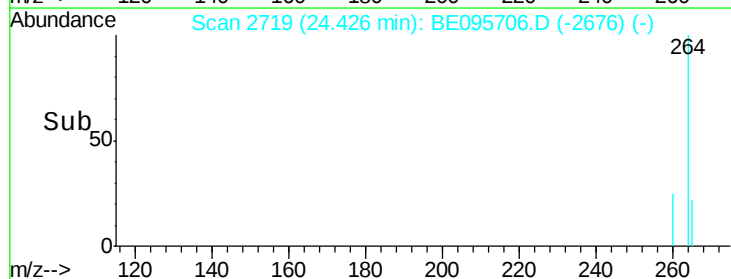
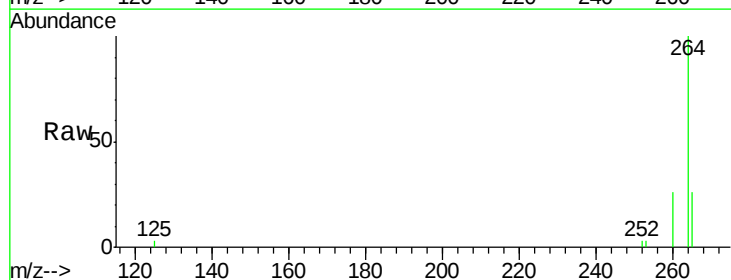
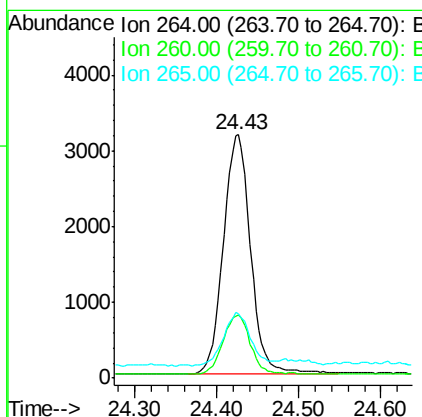
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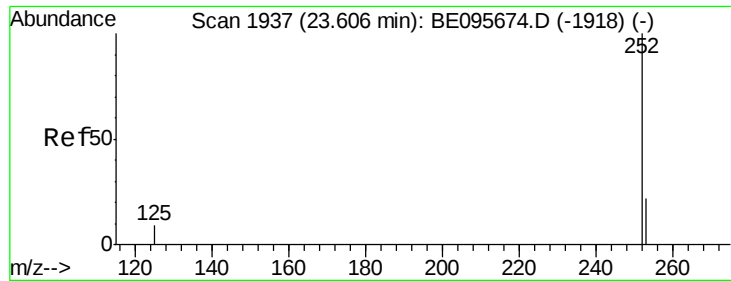
Sohil
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#34
Perylene-d12
Concen: 0.400 ng
RT: 24.43 min Scan# 2719
Delta R.T. 0.00 min
Lab File: BE095706.D
Acq: 6 Mar 2018 20:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.5	30.7
265	26.4	22.8	34.2





#35

Benzo(b)fluoranthene

Concen: 0.197 ng

RT: 23.61 min Scan# 2491

Delta R.T. 0.01 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

Instrument :

BNA_E

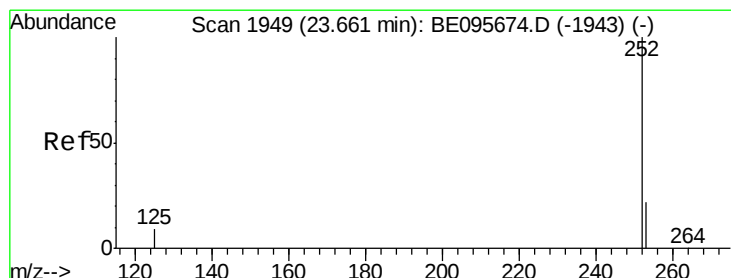
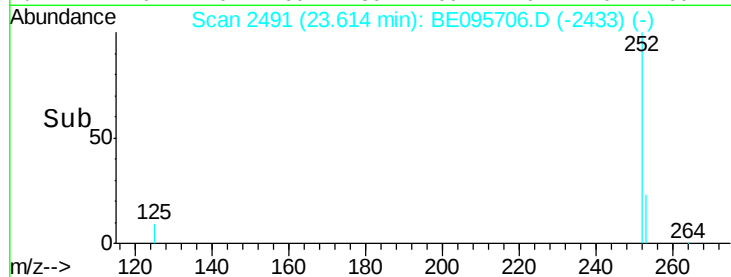
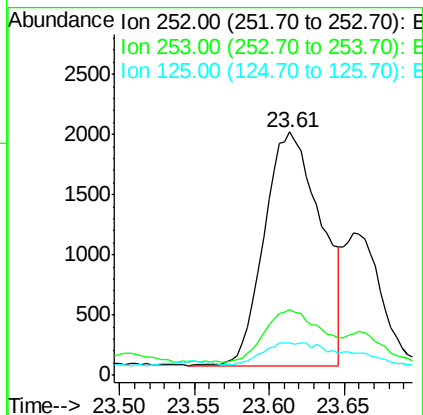
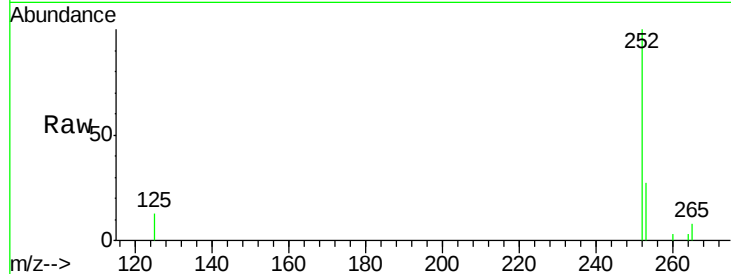
ClientSampleId :

T-2_030518

Tot Ion:	252	Resp:	5123
Ion Ratio	Lower	Upper	
252	100		
253	27.0	20.0	30.0
125	13.5	16.0	24.0

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#36

Benzo(k)fluoranthene

Concen: 0.075 ng m

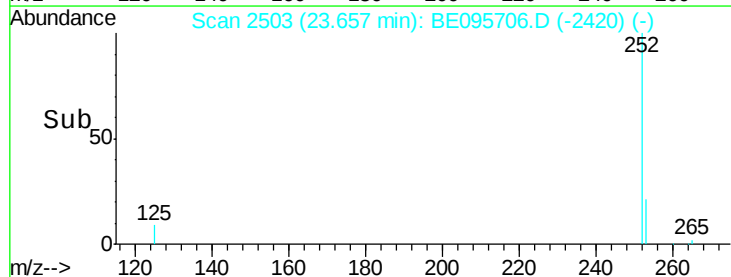
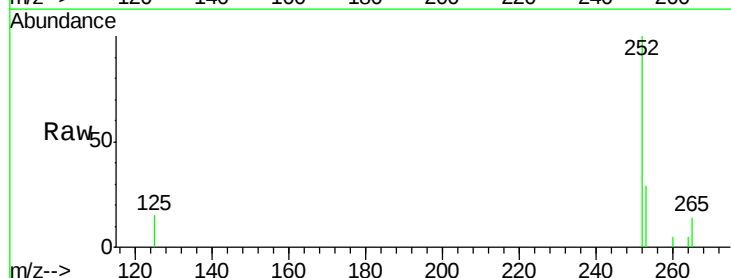
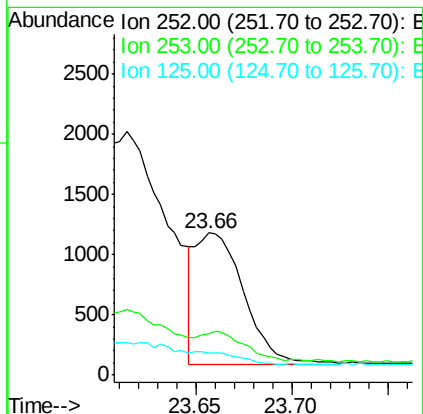
RT: 23.66 min Scan# 2503

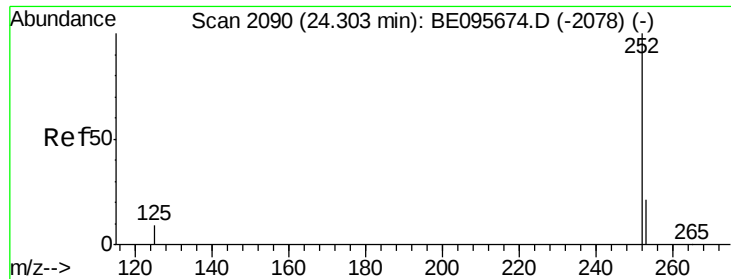
Delta R.T. -0.00 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

Tgt Ion:	252	Resp:	1939
Ion Ratio	Lower	Upper	
252	100		
253	29.0	16.0	24.0
125	15.5	8.0	12.0





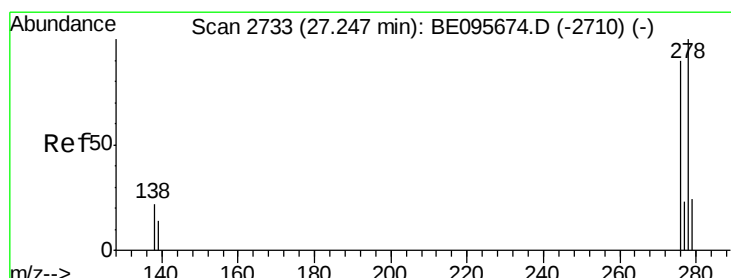
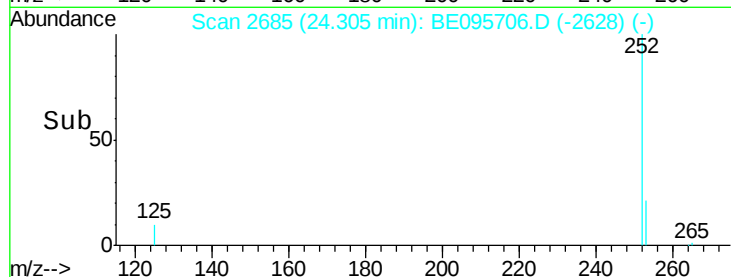
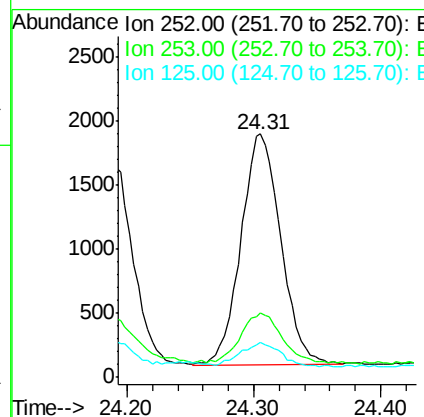
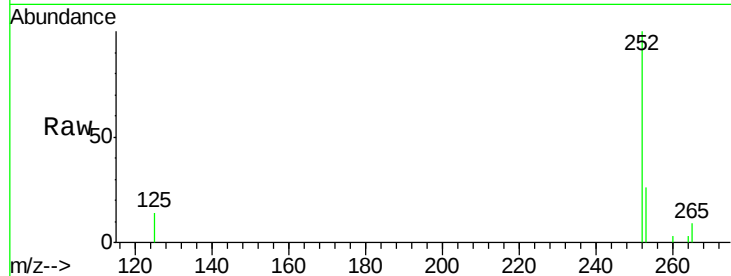
#37
Benzo(a)pyrene
Concen: 0.168 ng
RT: 24.31 min Scan# 2685
Delta R.T. 0.00 min
Lab File: BE095706.D
Acq: 6 Mar 2018 20:23

Instrument :
BNA_E
ClientSampleId :
T-2_030518

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	16.0	24.0#
125	14.4	12.0	18.0

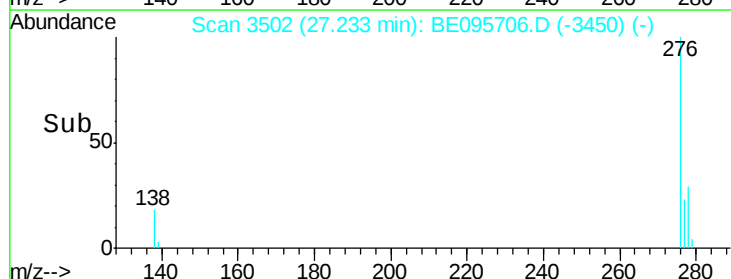
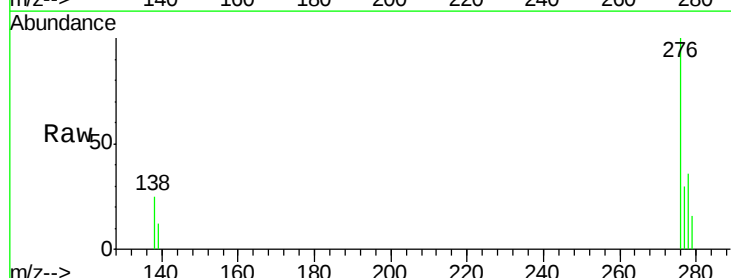
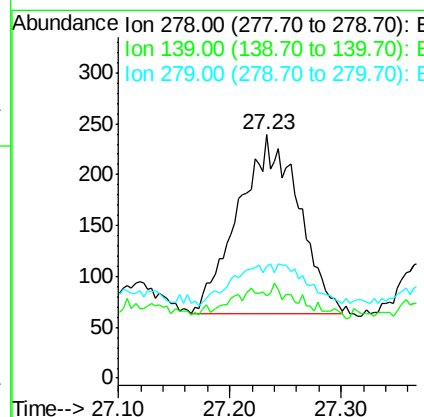
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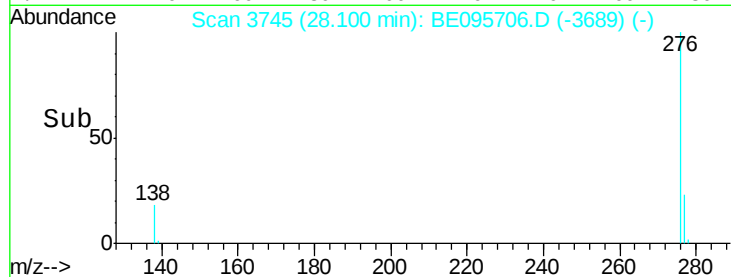
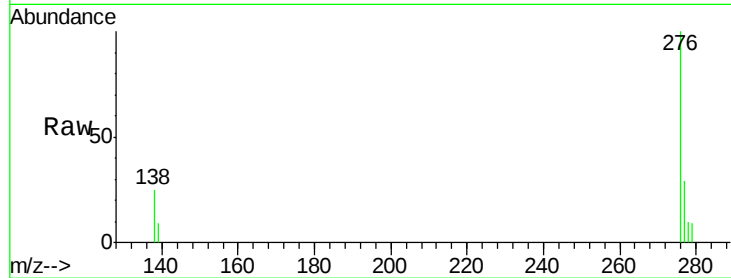
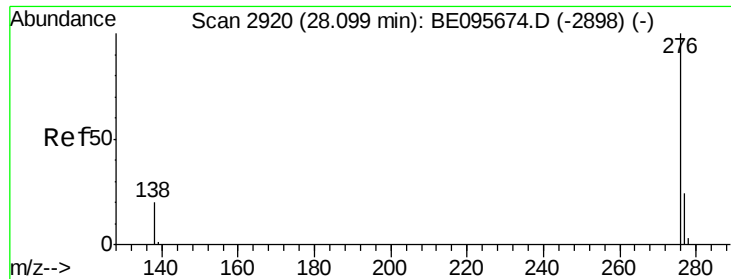
Sohil
3/7/2018 12:20:14 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.032 ng m
RT: 27.23 min Scan# 3502
Delta R.T. -0.01 min
Lab File: BE095706.D
Acq: 6 Mar 2018 20:23

Tgt Ion	Ratio	Lower	Upper
278	100		
139	33.9	16.0	24.0#
279	46.0	20.0	30.0#





#39

Benzo(a,h,i)perylene

Concen: 0.123 ng

RT: 28.10 min Scan# 3745

Delta R.T. 0.00 min

Lab File: BE095706.D

Acq: 6 Mar 2018 20:23

Instrument :

BNA_E

ClientSampleId :

T-2_030518

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.1	16.0	24.0
138	24.8	20.0	30.0

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