

Data Path : Z:\HPCHEM1\BNA E\DATA\BE040418\
 Data File : BE095945.D
 Acq On : 4 Apr 2018 13:50
 Operator : SJ/JU
 Sample : J2148-02 20X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-2A

Manual Integrations
 APPROVED

Sohil
 4/5/2018 8:38:07 AM

Quant Time: Apr 05 03:03:03 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 12:41:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1196	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	4896	0.40	ng	0.00
13) Acenaphthene-d10	14.99	164	2859	0.40	ng	-0.01
19) Phenanthrene-d10	17.70	188	6609	0.40	ng	-0.01
27) Chrysene-d12	21.79	240	6541	0.40	ng	-0.01
34) Perylene-d12	24.42	264	6512	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.91	112	80	0.02	ng	0.00
5) Phenol-d6	7.56	99	103	0.02	ng	0.00
8) Nitrobenzene-d5	9.59	82	126	0.02	ng	0.00
11) 2-Methylnaphthalene-d10	12.79	152	162	0.02	ng	-0.01
14) 2,4,6-Tribromophenol	16.46	330	26	0.02	ng	-0.01
15) 2-Fluorobiphenyl	13.63	172	236	0.02	ng	-0.01
25) Fluoranthene-d10	19.68	212	1419	0.01	ng	-0.01
29) Terphenyl-d14	20.24	244	252	0.02	ng	0.00

Target Compounds				Qvalue		
12) 2-Methylnaphthalene	12.86	142	230	0.024	ng	# 89
23) Phenanthrene	17.74	178	1511	0.076	ng	97
26) Fluoranthene	19.71	202	2964	0.108	ng	97
28) Pyrene	20.06	202	4048	0.152	ng	97
30) Benzo(a)anthracene	21.78	228	1282	0.057	ng	# 81
31) Chrysene	21.83	228	1840	0.089	ng	# 82
33) Indeno(1,2,3-cd)pyrene	27.23	276	1186	0.053	ng	# 93
35) Benzo(b)fluoranthene	23.61	252	2291	0.106	ng	# 73
36) Benzo(k)fluoranthene	23.65	252	659m	0.031	ng	
37) Benzo(a)pyrene	24.30	252	1295	0.064	ng	# 39
39) Benzo(a,h,i)perylene	28.10	276	1246	0.065	ng	# 62

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

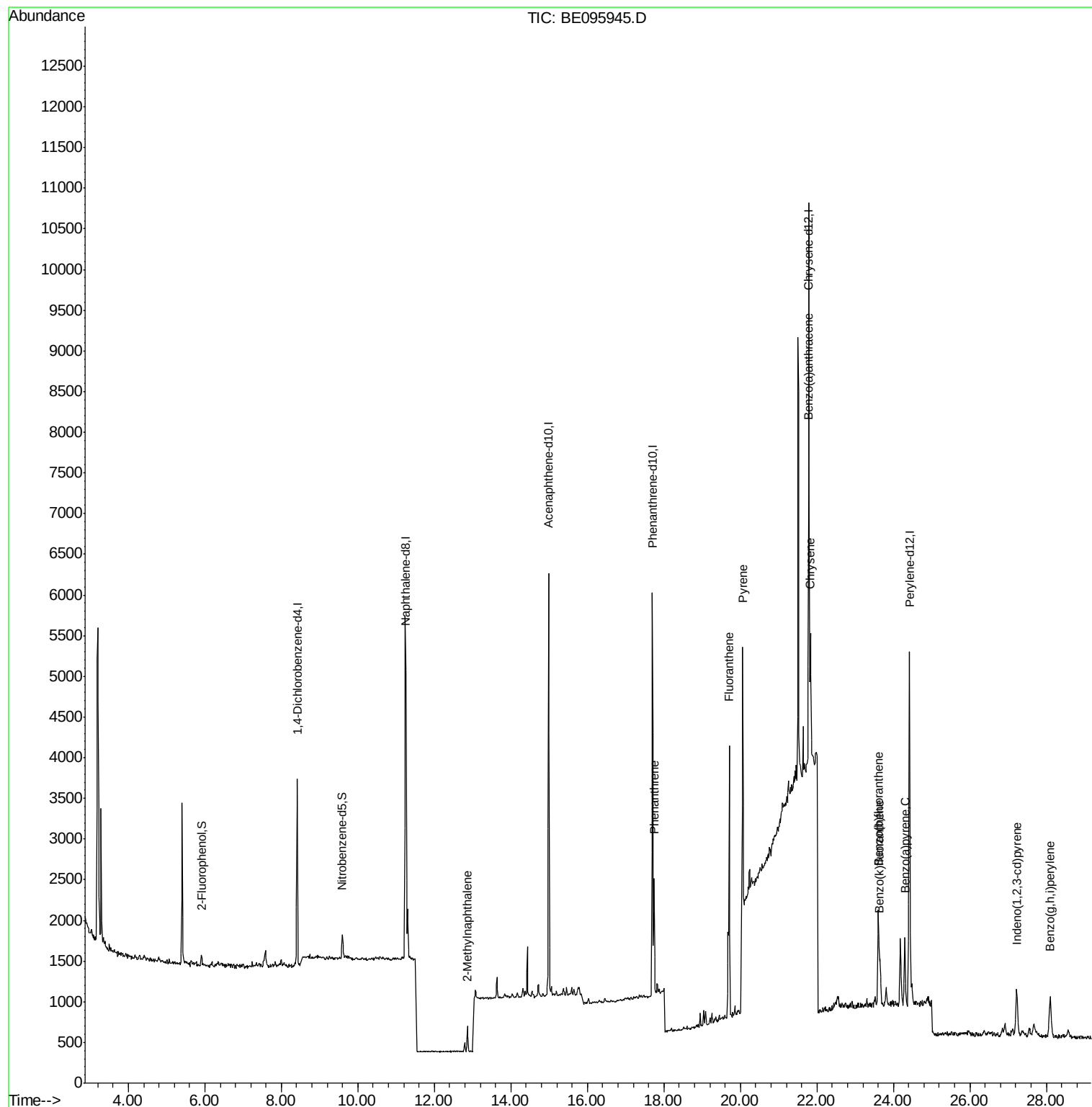
Data Path : Z:\HPCHEM1\BNA E\DATA\BE040418\
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ALS Vial : 8 Sample Multiplier: 1

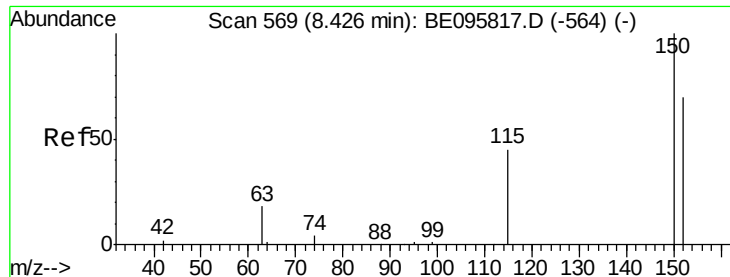
Instrument :
BNA_E
ClientSampleId :
SB-2A

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Quant Time: Apr 05 03:03:03 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
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#1

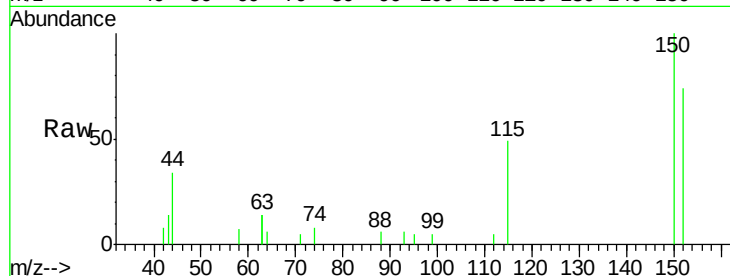
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 568
Delta R.T. -0.01 min
Lab File: BE095945.D
Acq: 4 Apr 2018 13:50

Instrument :
BNA_E
ClientSampled :
SB-2A

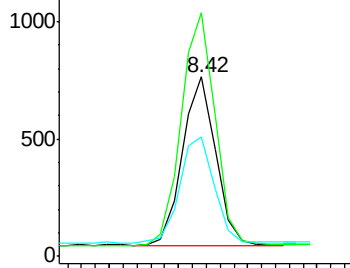
Tot Ion	Ratio	Lower	Upper
152	100		
150	135.7	117.2	175.8
115	66.7	57.0	85.6

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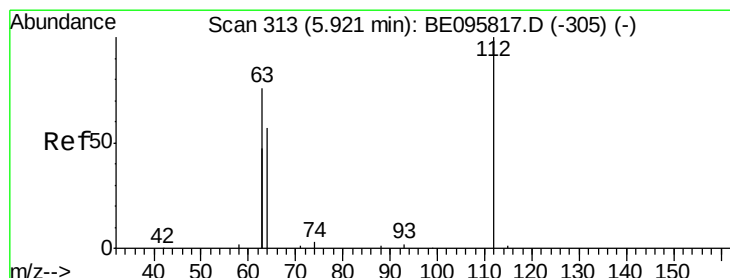
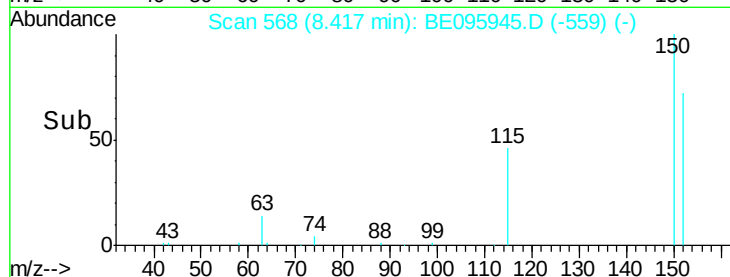
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



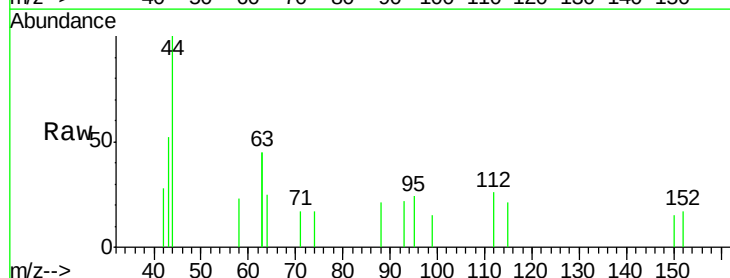
Time-->



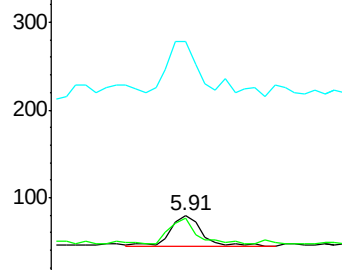
#4

2-Fluorophenol
Concen: 0.020 ng
RT: 5.91 min Scan# 312
Delta R.T. -0.01 min
Lab File: BE095945.D
Acq: 4 Apr 2018 13:50

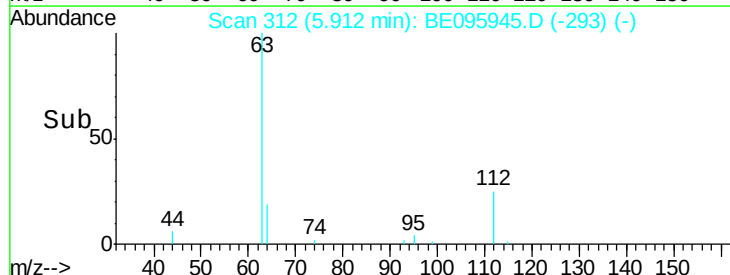
Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	60.1	90.1
63	146.3	116.8	175.2

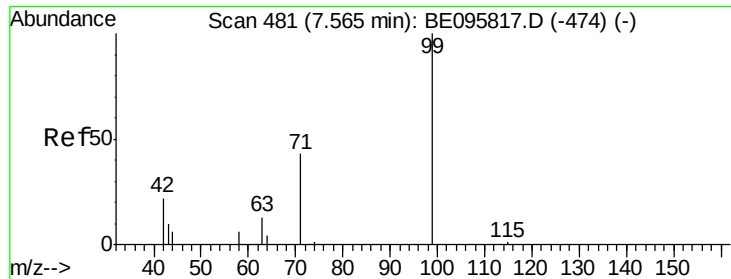


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 0.019 ng

RT: 7.56 min Scan# 480

Delta R.T. -0.01 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

Instrument :

BNA_E

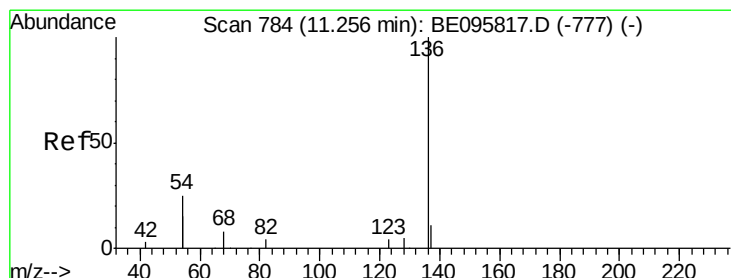
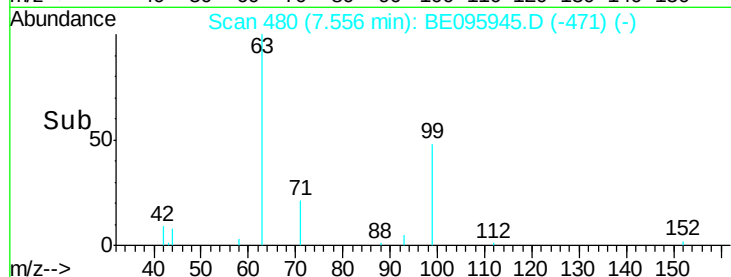
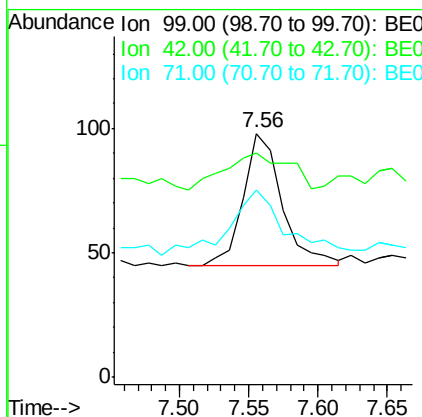
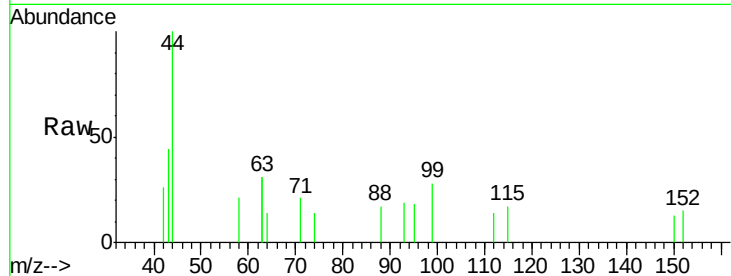
ClientSampled :

SB-2A

Tot Ion:	99	Resp:	103
Ion	Ratio	Lower	Upper
99	100		
42	48.5	20.2	30.2#
71	70.9	28.4	42.6#

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#7

Naphthalene-d8

Concen: 0.400 ng

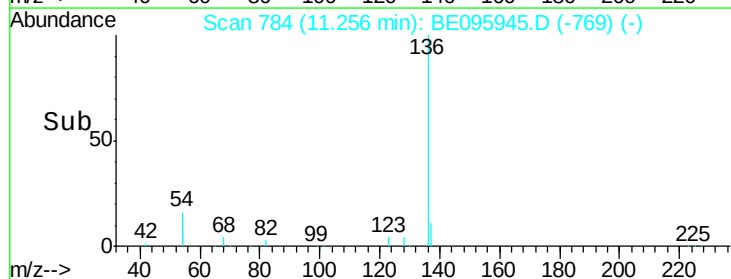
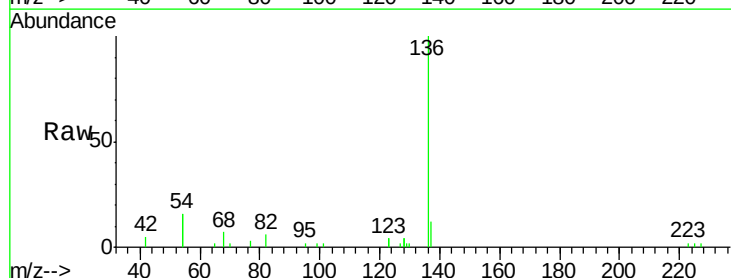
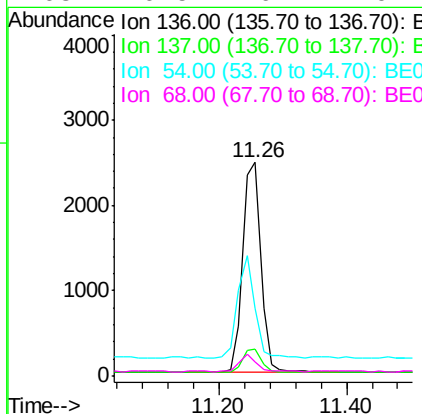
RT: 11.26 min Scan# 784

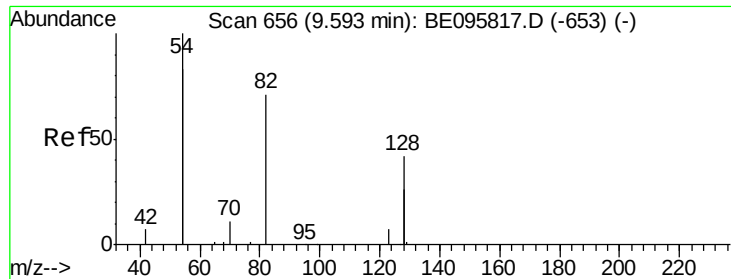
Delta R.T. 0.00 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

Tgt Ion:	136	Resp:	4896
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.5	14.3
54	31.7	29.1	43.7
68	6.5	6.2	9.2





#8

Nitrobenzene-d5

Concen: 0.022 ng

RT: 9.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

Instrument :

BNA_E

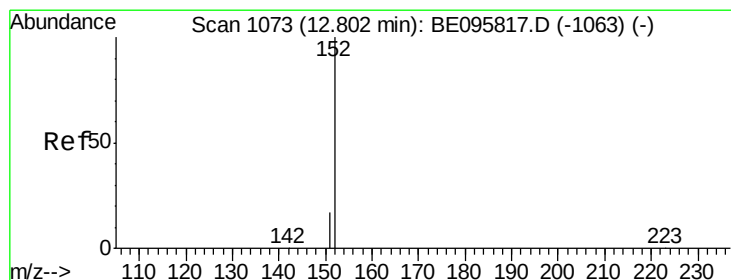
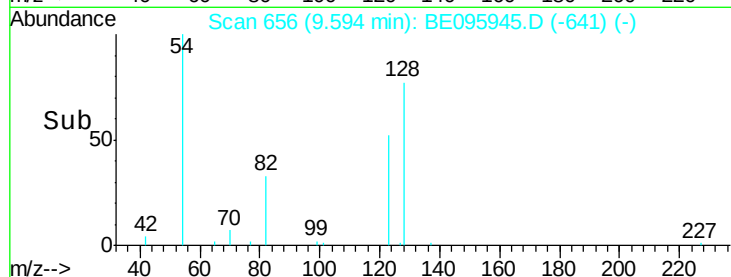
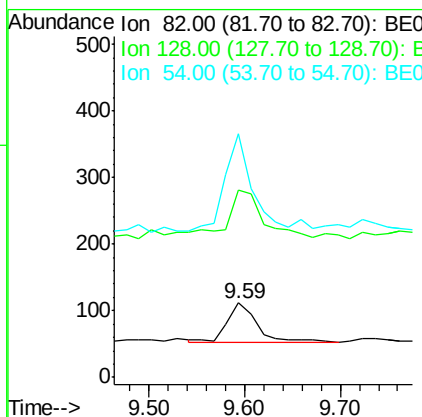
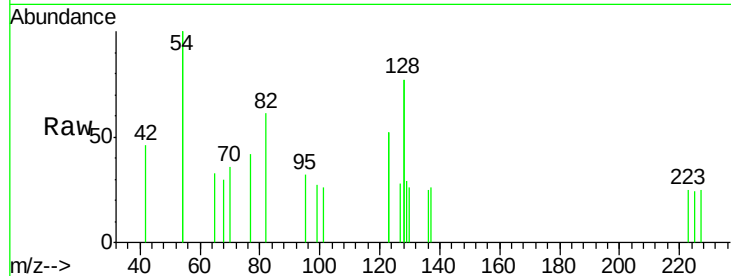
ClientSampled :

SB-2A

Tot Ion	Ratio	Lower	Upper
82	100		
128	251.8	150.0	225.0#
54	326.8	154.2	231.4#

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#11

2-Methylnaphthalene-d10

Concen: 0.020 ng

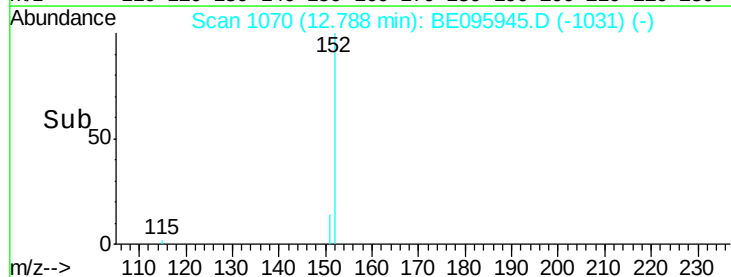
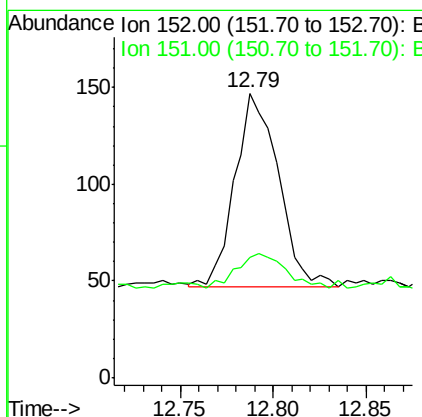
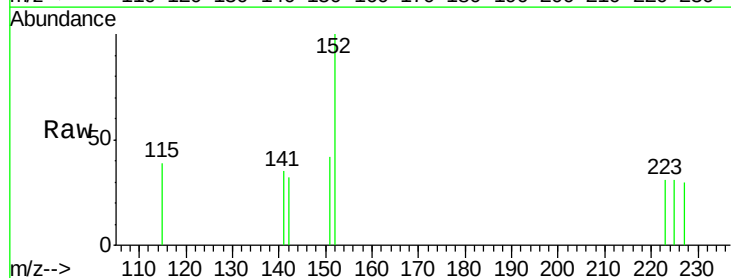
RT: 12.79 min Scan# 1070

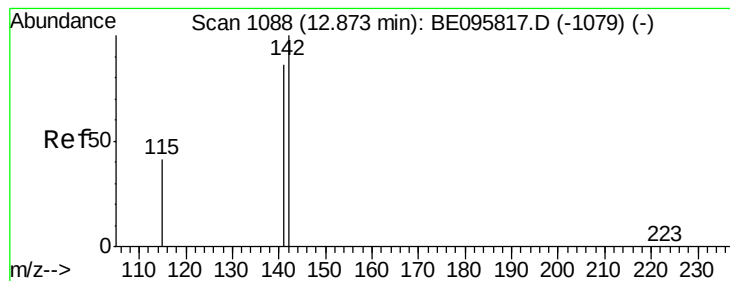
Delta R.T. -0.01 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.4	23.0





#12

2-Methylnaphthalene

Concen: 0.024 ng

RT: 12.86 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

Instrument :

BNA_E

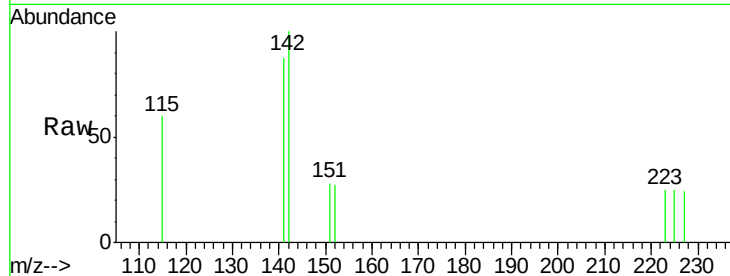
ClientSampled :

SB-2A

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.2	70.4	105.6
115	59.9	31.7	47.5

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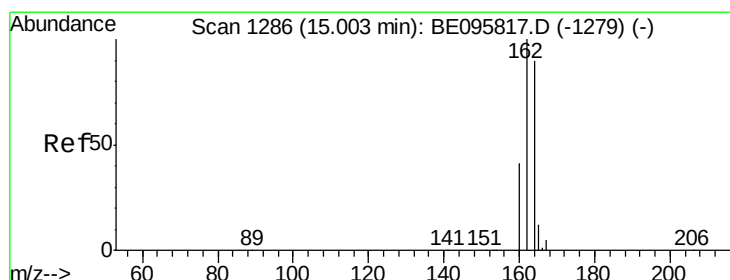
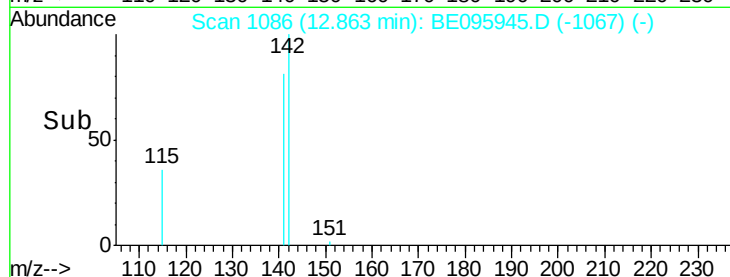
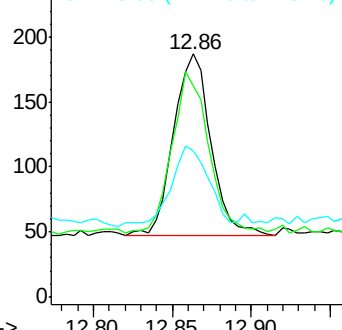


Abundance

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



#13

Acenaphthene-d10

Concen: 0.400 ng

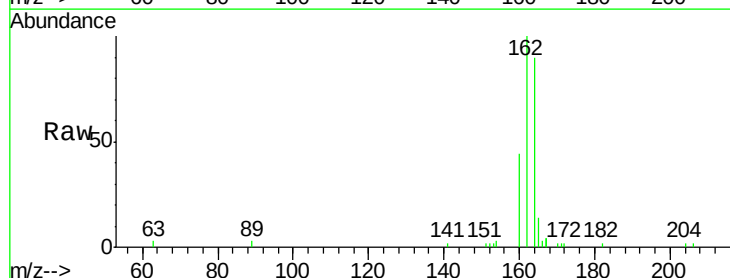
RT: 14.99 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	110.7	83.1	124.7
160	48.5	37.1	55.7

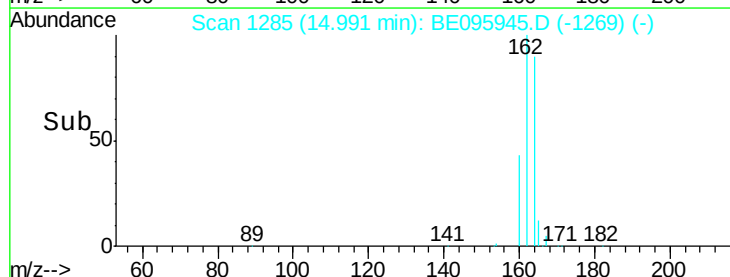
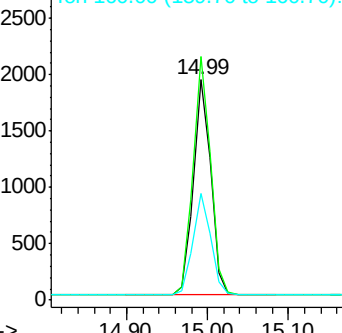


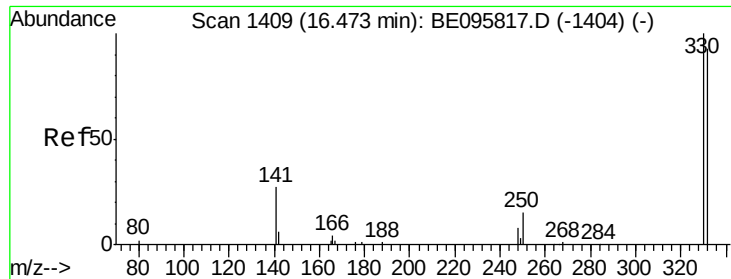
Abundance

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





#14

2,4,6-Tribromophenol

Concen: 0.016 ng

RT: 16.46 min Scan# 1408

Delta R.T. -0.01 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

Instrument :

BNA_E

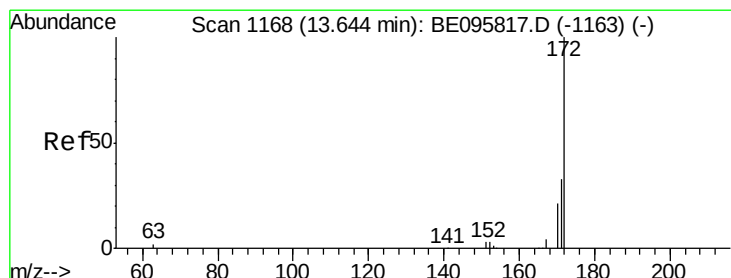
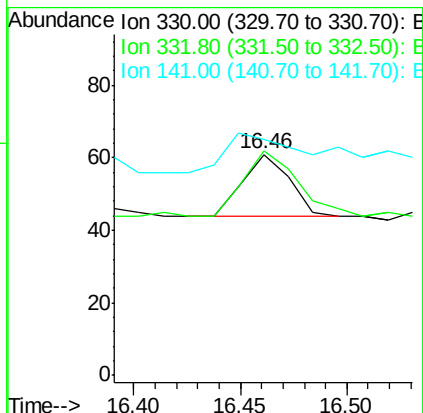
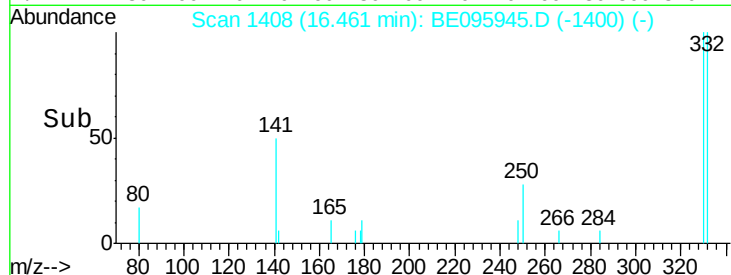
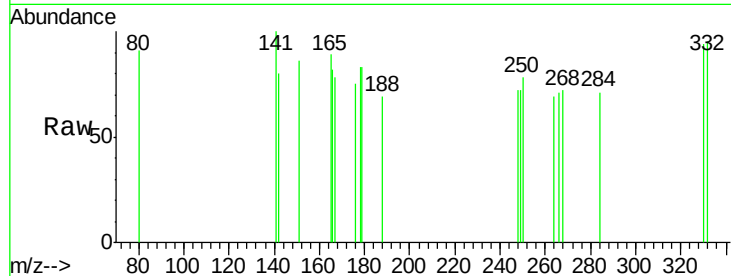
ClientSampled :

SB-2A

Tot Ion:	330	Resp:	26
Ion Ratio	Lower	Upper	
330	100		
332	123.1	152.7	229.1#
141	119.2	33.7	50.5#

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#15

2-Fluorobiphenyl

Concen: 0.020 ng

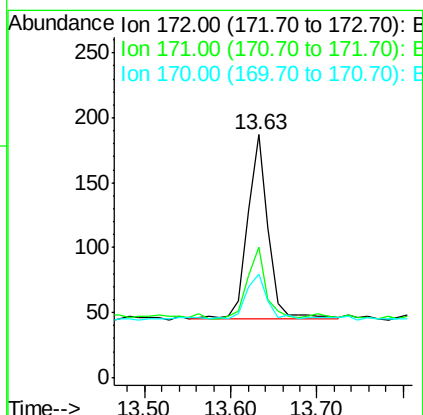
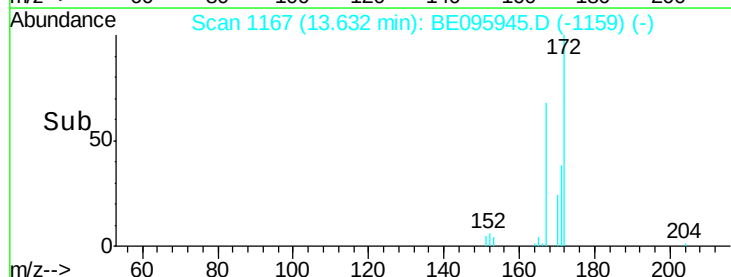
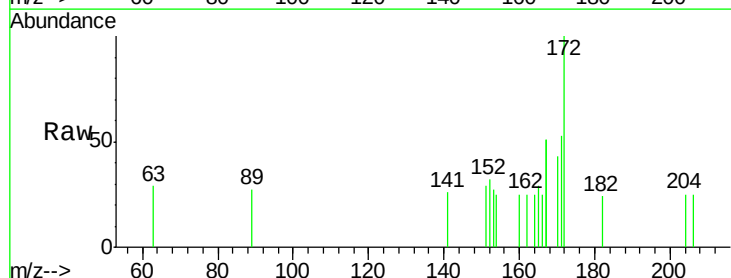
RT: 13.63 min Scan# 1167

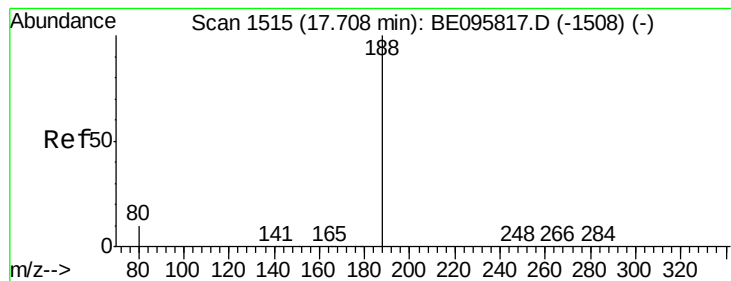
Delta R.T. -0.01 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

Tgt Ion:	172	Resp:	236
Ion Ratio	Lower	Upper	
172	100		
171	53.5	29.9	44.9#
170	42.8	21.8	32.8#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.70 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

Instrument :

BNA_E

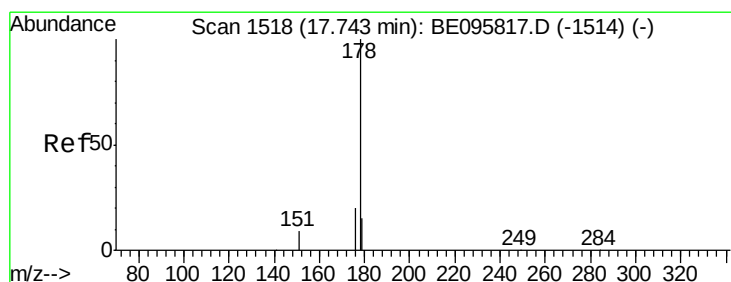
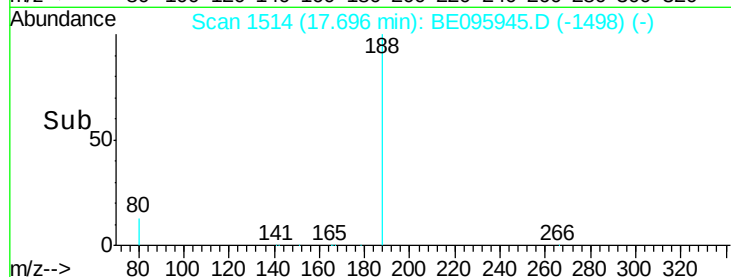
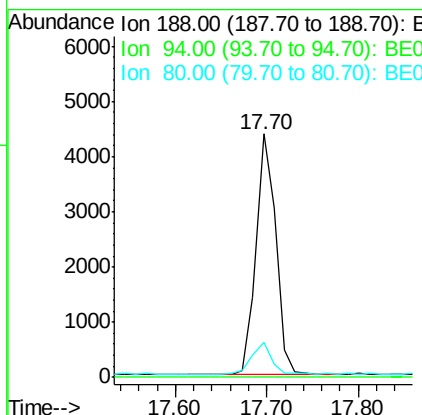
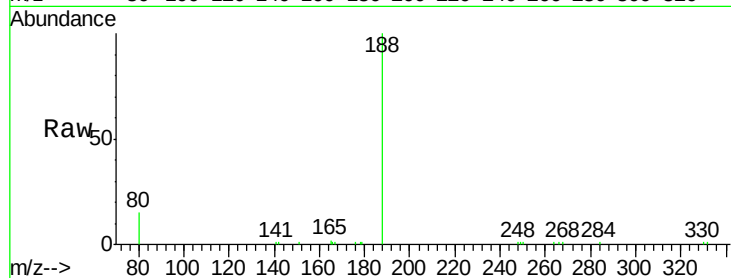
ClientSampleId :

SB-2A

Tot Ion:	188	Resp:	6609
Ion Ratio	Lower	Upper	
188	100		
94	0.0	3.9	5.9#
80	14.5	3.6	5.4#

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#23

Phenanthrene

Concen: 0.076 ng

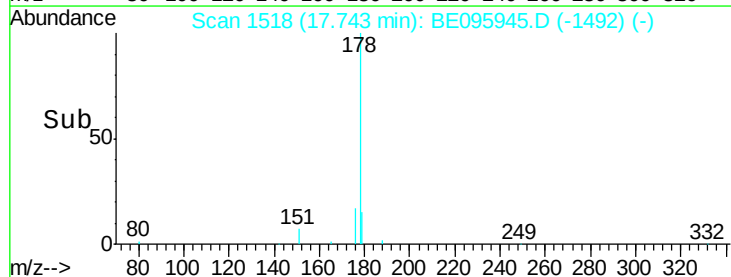
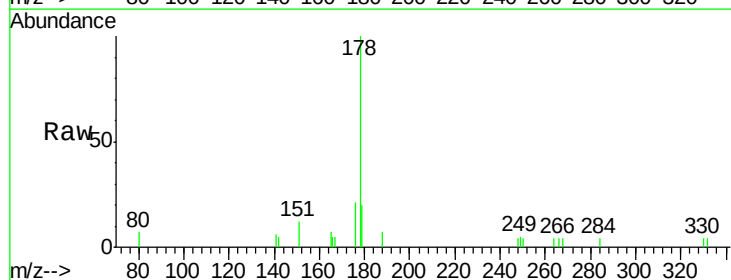
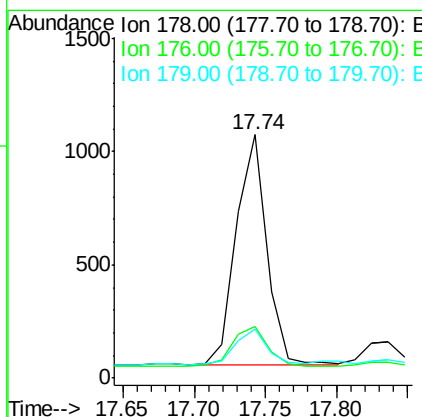
RT: 17.74 min Scan# 1518

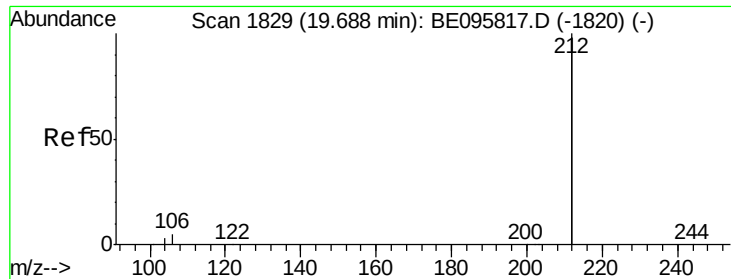
Delta R.T. -0.00 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

Tgt Ion:	178	Resp:	1511
Ion Ratio	Lower	Upper	
178	100		
176	20.3	15.1	22.7
179	16.1	11.8	17.6





#25

Fluoranthene-d10

Concen: 0.014 ng

RT: 19.68 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

Instrument :

BNA_E

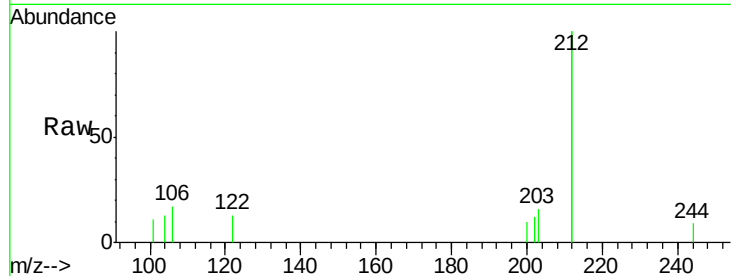
ClientSampleId :

SB-2A

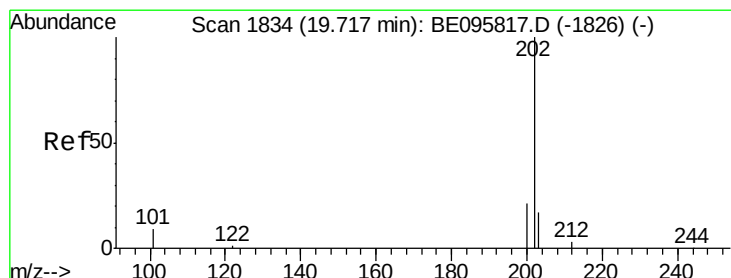
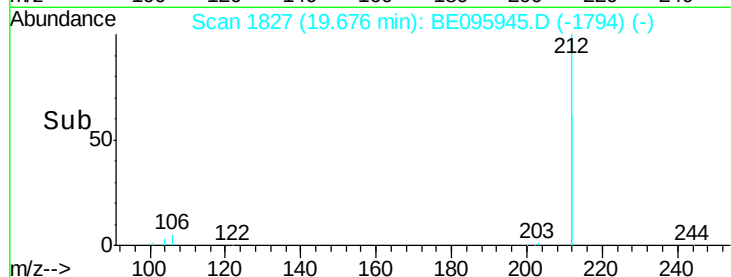
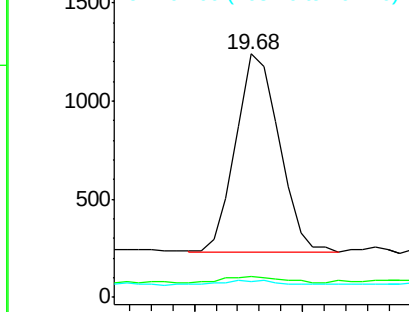
Tot Ion:	212	Resp:	1419
Ion Ratio	Lower	Upper	
212	100		
106	4.8	2.8	4.2#
104	2.1	1.6	2.4

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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: 0.108 ng

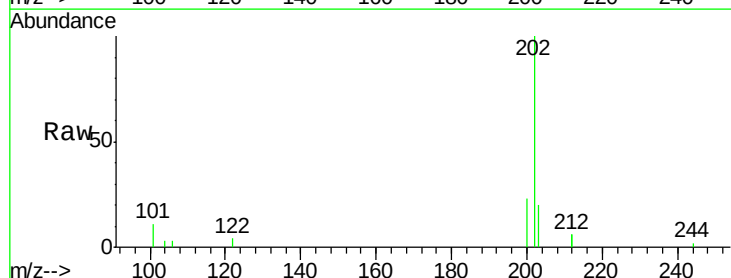
RT: 19.71 min Scan# 1833

Delta R.T. -0.01 min

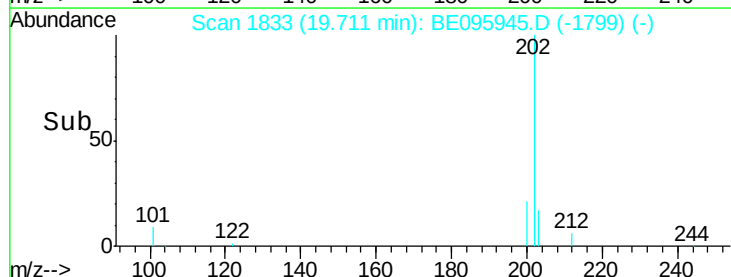
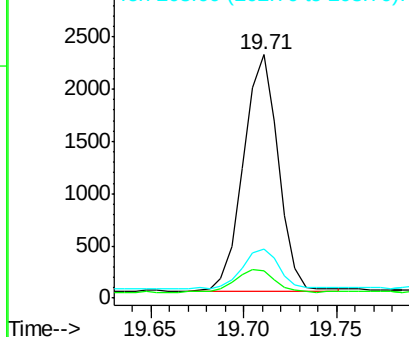
Lab File: BE095945.D

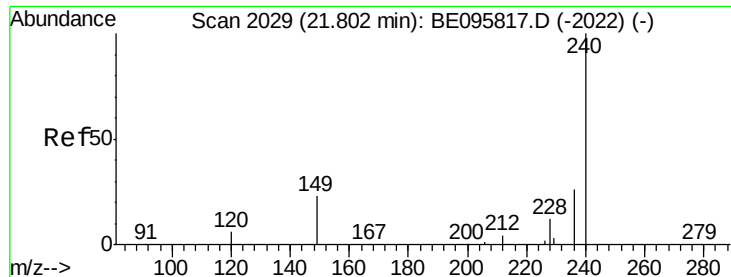
Acq: 4 Apr 2018 13:50

Tgt Ion:	202	Resp:	2964
Ion Ratio	Lower	Upper	
202	100		
101	10.7	9.8	14.8
203	17.8	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





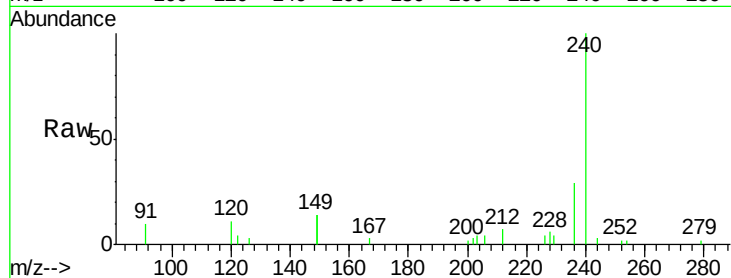
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.79 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BE095945.D
Acq: 4 Apr 2018 13:50

Instrument :
BNA_E
ClientSampled :
SB-2A

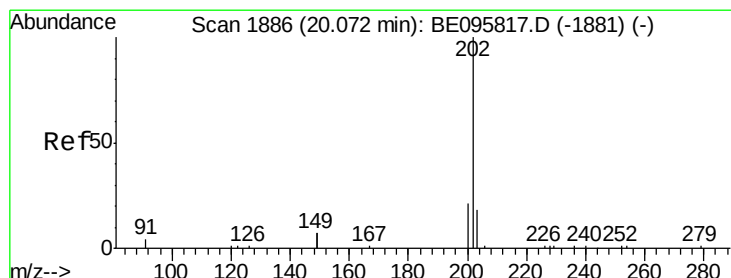
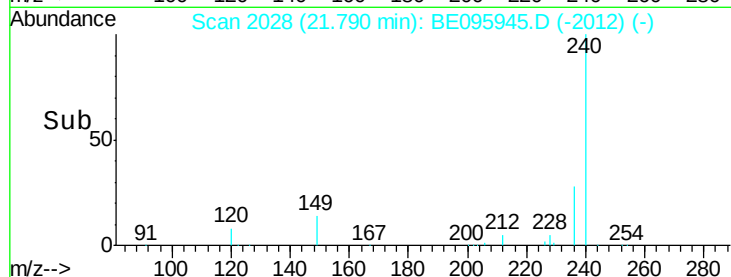
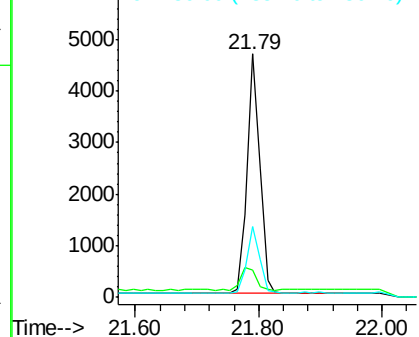
Tot Ion:240 Resp: 6541
Ion Ratio Lower Upper
240 100
120 11.4 5.5 8.3#
236 28.9 20.7 31.1

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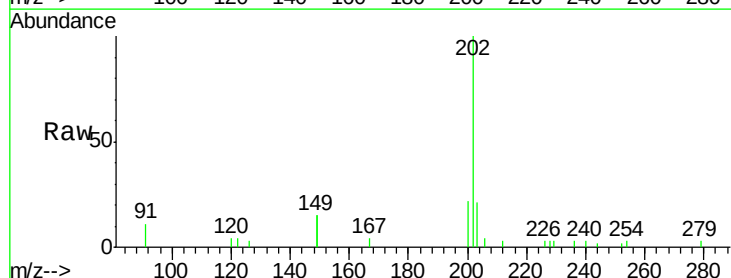


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

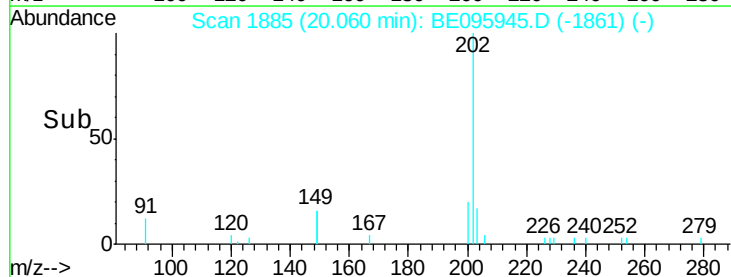
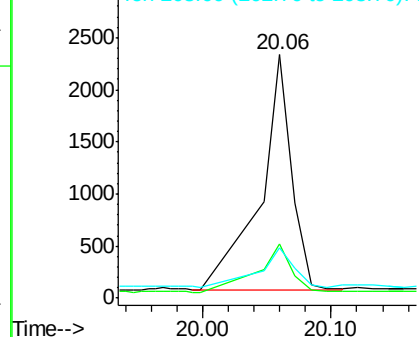


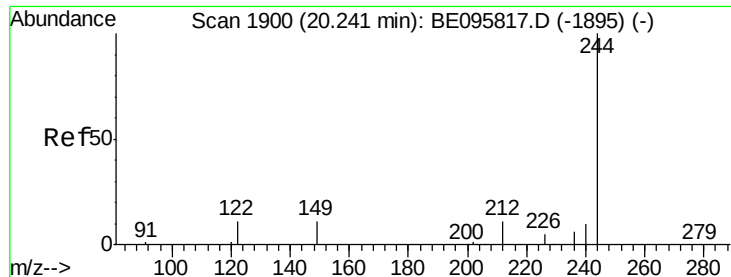
#28
Pyrene
Concen: 0.152 ng
RT: 20.06 min Scan# 1885
Delta R.T. -0.01 min
Lab File: BE095945.D
Acq: 4 Apr 2018 13:50

Tgt Ion:202 Resp: 4048
Ion Ratio Lower Upper
202 100
200 19.5 16.6 25.0
203 18.6 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: 0.018 ng

RT: 20.24 min Scan# 1900

Delta R.T. 0.00 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

Instrument :

BNA_E

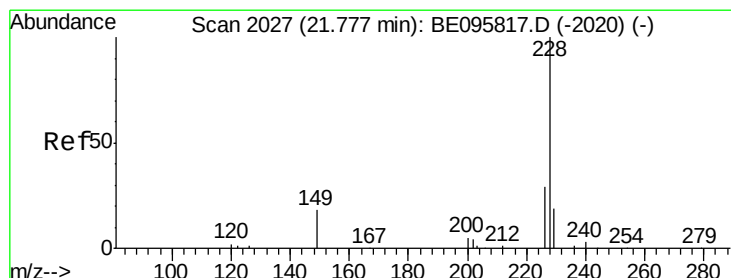
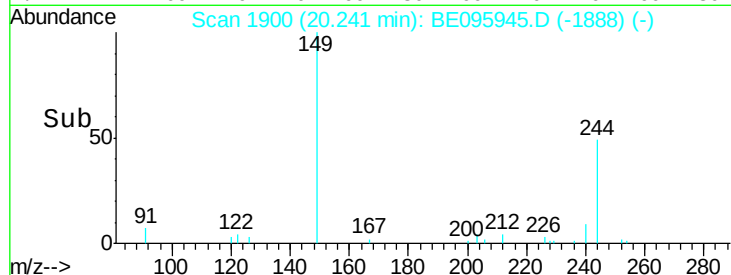
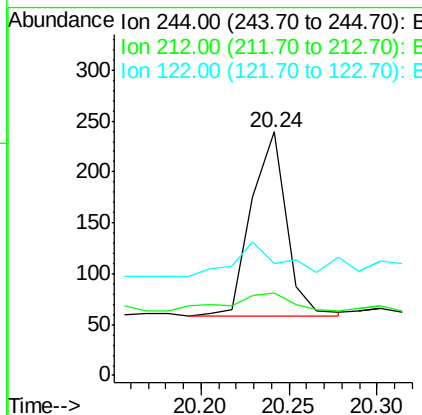
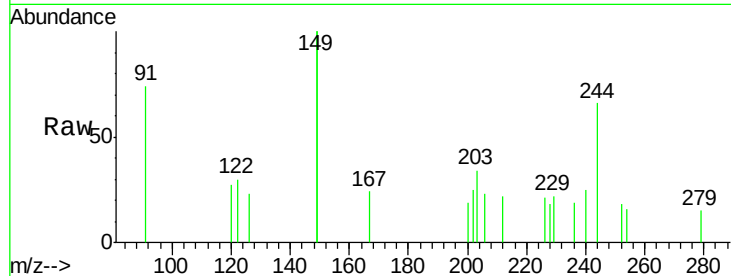
ClientSampled :

SB-2A

Tot Ion	Ratio	Lower	Upper
244	100		
212	33.9	25.4	38.0
122	46.0	8.1	12.1

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#30

Benzo(a)anthracene

Concen: 0.057 ng

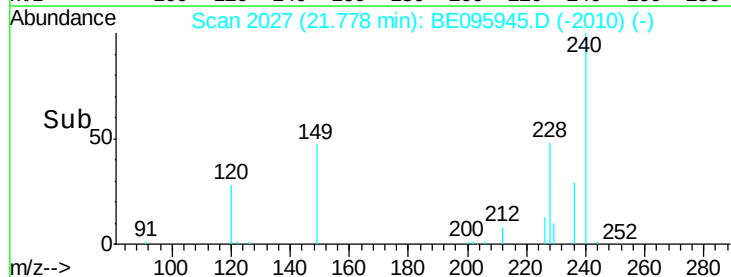
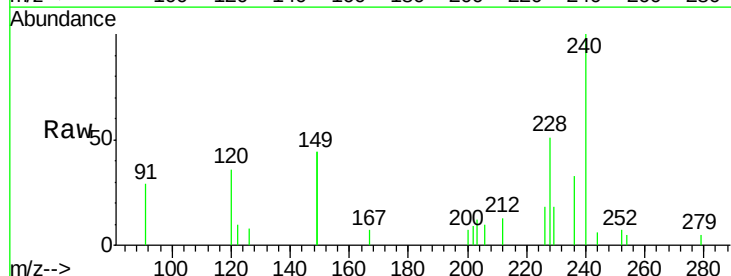
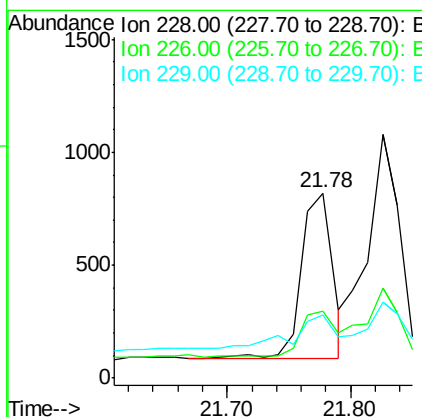
RT: 21.78 min Scan# 2027

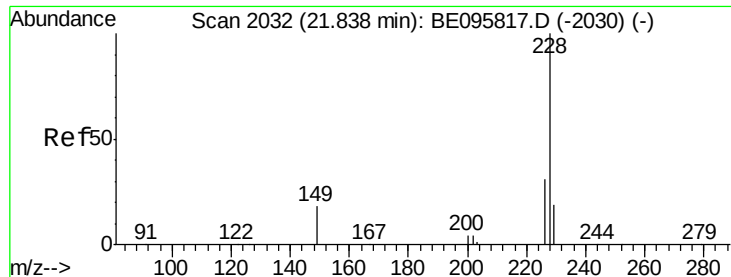
Delta R.T. 0.00 min

Lab File: BE095945.D

Acq: 4 Apr 2018 13:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.1	24.0	36.0
229	34.4	16.0	24.0





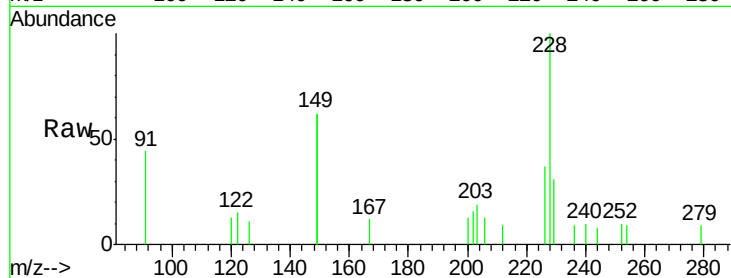
#31
Chrysene
Concen: 0.089 ng
RT: 21.83 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BE095945.D
Acq: 4 Apr 2018 13:50

Instrument :
BNA_E
ClientSampled :
SB-2A

Tot Ion	Ratio	Lower	Upper
228	100		
226	37.2	24.0	36.0#
229	31.4	16.0	24.0#

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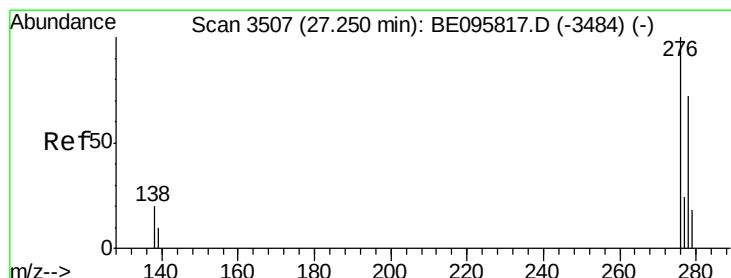
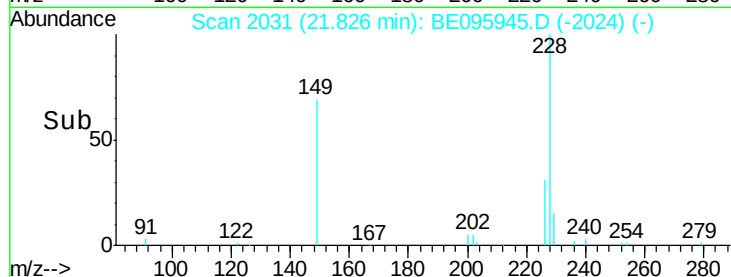
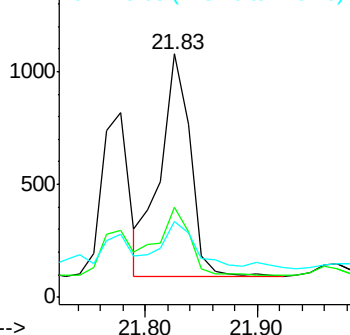


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#33
Indeno(1,2,3-cd)pyrene
Concen: 0.053 ng
RT: 27.23 min Scan# 3501
Delta R.T. -0.02 min
Lab File: BE095945.D
Acq: 4 Apr 2018 13:50

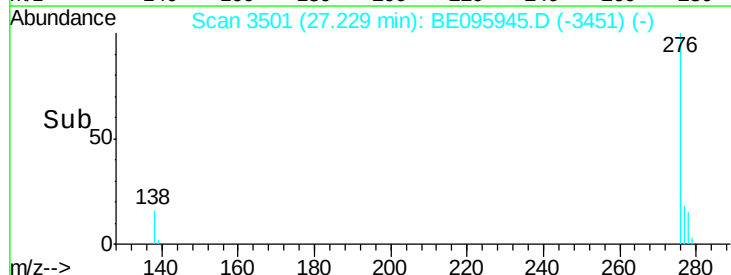
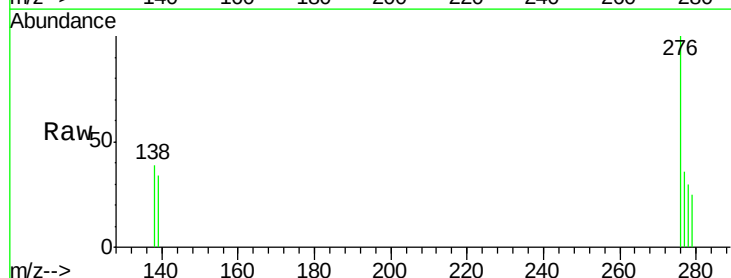
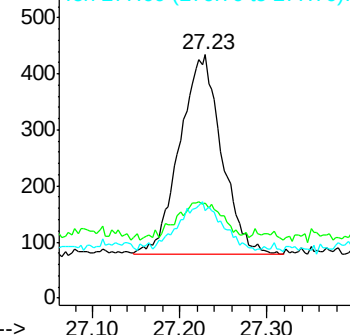
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	22.5	33.7#
277	24.6	19.9	29.9

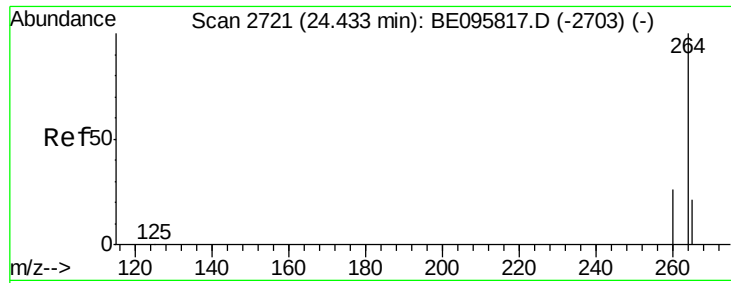
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





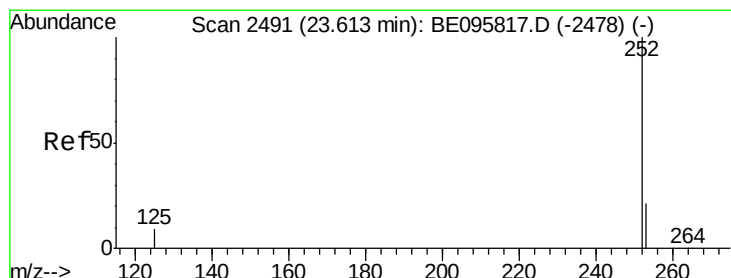
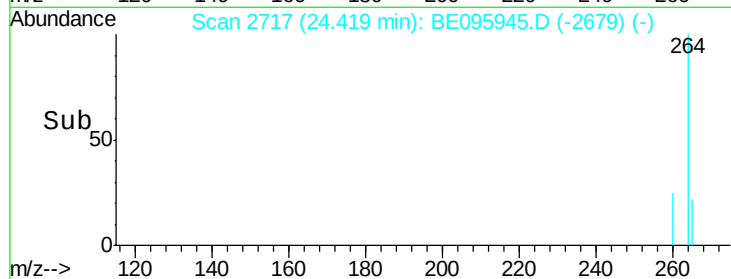
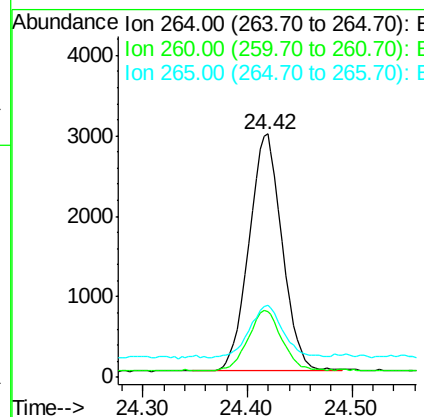
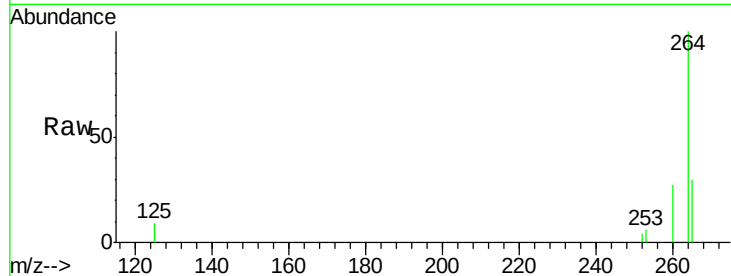
#34
Pervlene-d12
Concen: 0.400 ng
RT: 24.42 min Scan# 2717
Delta R.T. -0.01 min
Lab File: BE095945.D
Acq: 4 Apr 2018 13:50

Instrument :
BNA_E
ClientSampleId :
SB-2A

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.7	20.5	30.7
265	29.5	22.8	34.2

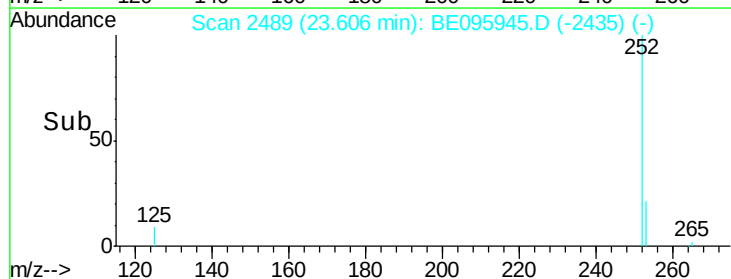
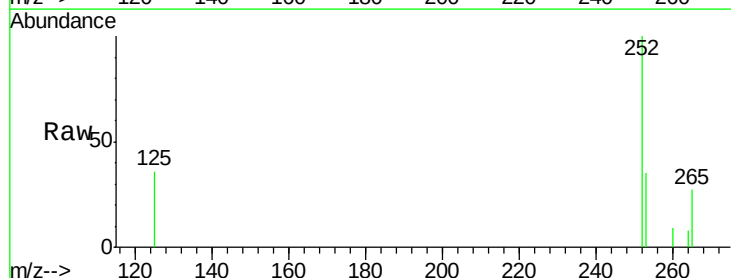
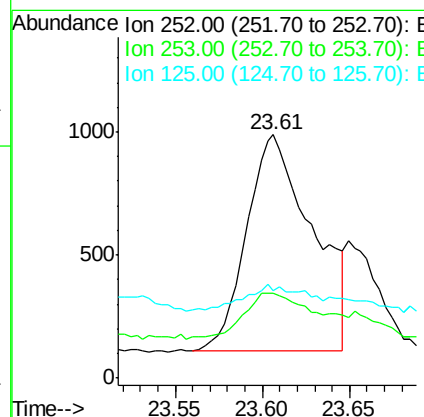
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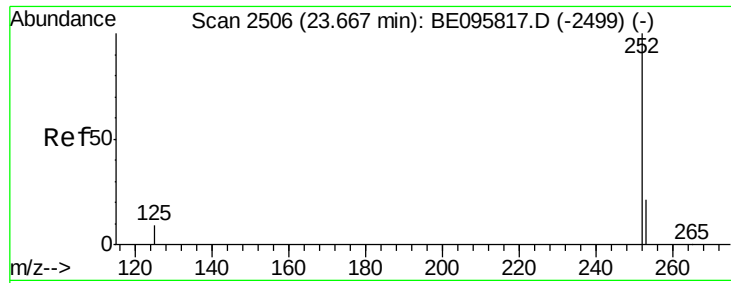
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#35
Benzo(b)fluoranthene
Concen: 0.106 ng
RT: 23.61 min Scan# 2489
Delta R.T. -0.01 min
Lab File: BE095945.D
Acq: 4 Apr 2018 13:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.1	20.0	30.0#
125	36.0	16.0	24.0#





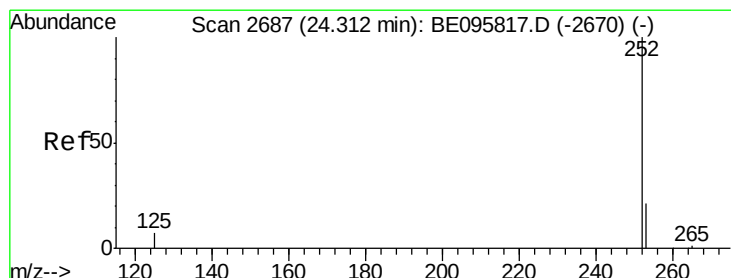
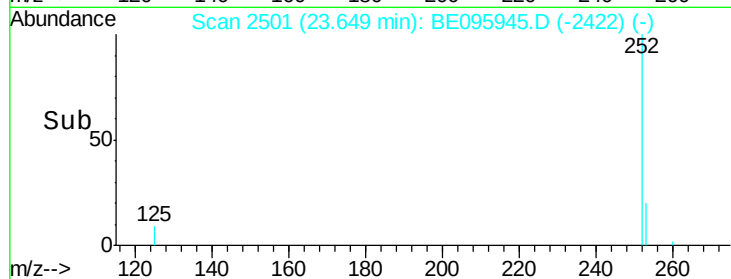
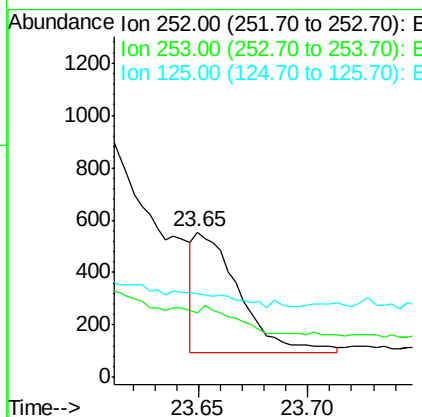
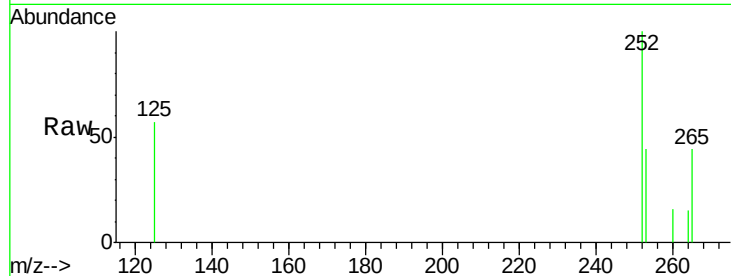
#36
Benzo(k)fluoranthene
Concen: 0.031 ng m
RT: 23.65 min Scan# 2501
Delta R.T. -0.02 min
Lab File: BE095945.D
Acq: 4 Apr 2018 13:50

Instrument :
BNA_E
ClientSampled :
SB-2A

Tot Ion	Ratio	Lower	Upper
252	100		
253	44.4	16.0	24.0#
125	57.0	8.0	12.0#

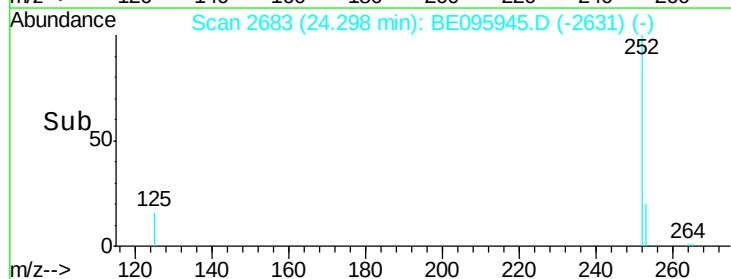
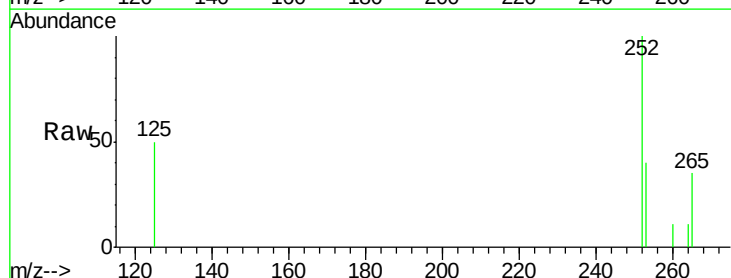
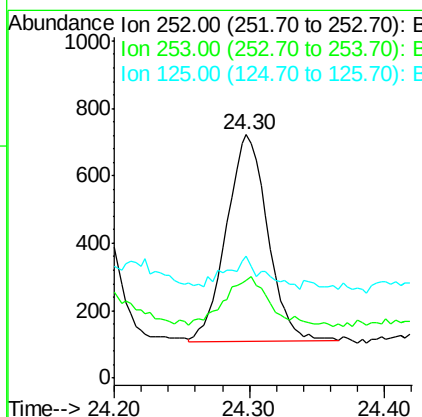
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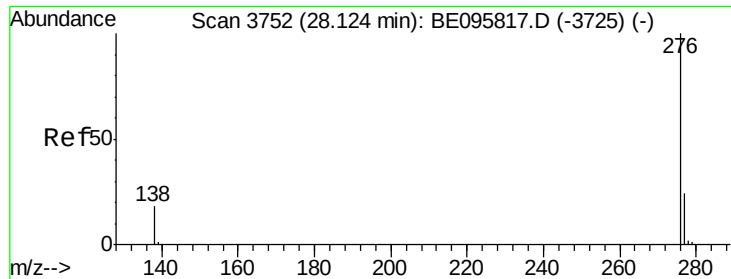
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#37
Benzo(a)pyrene
Concen: 0.064 ng
RT: 24.30 min Scan# 2683
Delta R.T. -0.01 min
Lab File: BE095945.D
Acq: 4 Apr 2018 13:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	40.0	16.0	24.0#
125	49.9	12.0	18.0#





#39
 Benzo(a,h,i)perylene
 Concen: 0.065 ng
 RT: 28.10 min Scan# 3746
 Delta R.T. -0.02 min
 Lab File: BE095945.D
 Acq: 4 Apr 2018 13:50

Instrument :
 BNA_E
 ClientSampleId :
 SB-2A

Tot Ion	Ratio	Lower	Upper
276	100		
277	37.4	16.0	24.0#
138	44.0	20.0	30.0#

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