

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE060917\
 Data File : BE093088.D
 Acq On : 9 Jun 2017 13:10
 Operator : SJ/MA
 Sample : MDL-S-03
 Misc : 0.07 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-S-03

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Quant Time: Jun 09 15:33:33 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 08 17:42:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	6554	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	28832	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	14441	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	39426	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	47595	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	44039	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	14755	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	35745	0.33	ng/ul	0.00
Target Compounds					Qvalue	
3) Naphthalene	10.57	128	3641	0.051	ng/ul#	95
5) 2-Methylnaphthalene	12.19	142	2343	0.048	ng/ul	98
7) Acenaphthylene	14.09	152	2698	0.044	ng/ul	96
8) Acenaphthene	14.43	153	2408	0.048	ng/ul	99
9) Fluorene	15.42	166	2671	0.046	ng/ul	93
11) Pentachlorophenol	16.76	266	217	0.037	ng/ul	98
12) Phenanthrene	17.14	178	5502	0.051	ng/ul#	87
13) Anthracene	17.22	178	4227	0.045	ng/ul#	89
15) Fluoranthene	19.16	202	6191	0.047	ng/ul	83
17) Pyrene	19.52	202	6413	0.046	ng/ul#	85
18) Benzo(a)anthracene	21.24	228	6329	0.050	ng/ul#	87
19) Chrysene	21.29	228	6610	0.050	ng/ul	95
21) Benzo(b)fluoranthene	22.93	252	5724	0.043	ng/ul	92
22) Benzo(k)fluoranthene	22.98	252	6522m	0.046	ng/ul	
23) Benzo(a)pyrene	23.56	252	5652	0.045	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	26.19	276	6764	0.046	ng/ul#	88
25) Dibenzo(a,h)anthracene	26.20	278	5633	0.046	ng/ul#	80
26) Benzo(g,h,i)perylene	26.96	276	5583	0.044	ng/ul	93

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

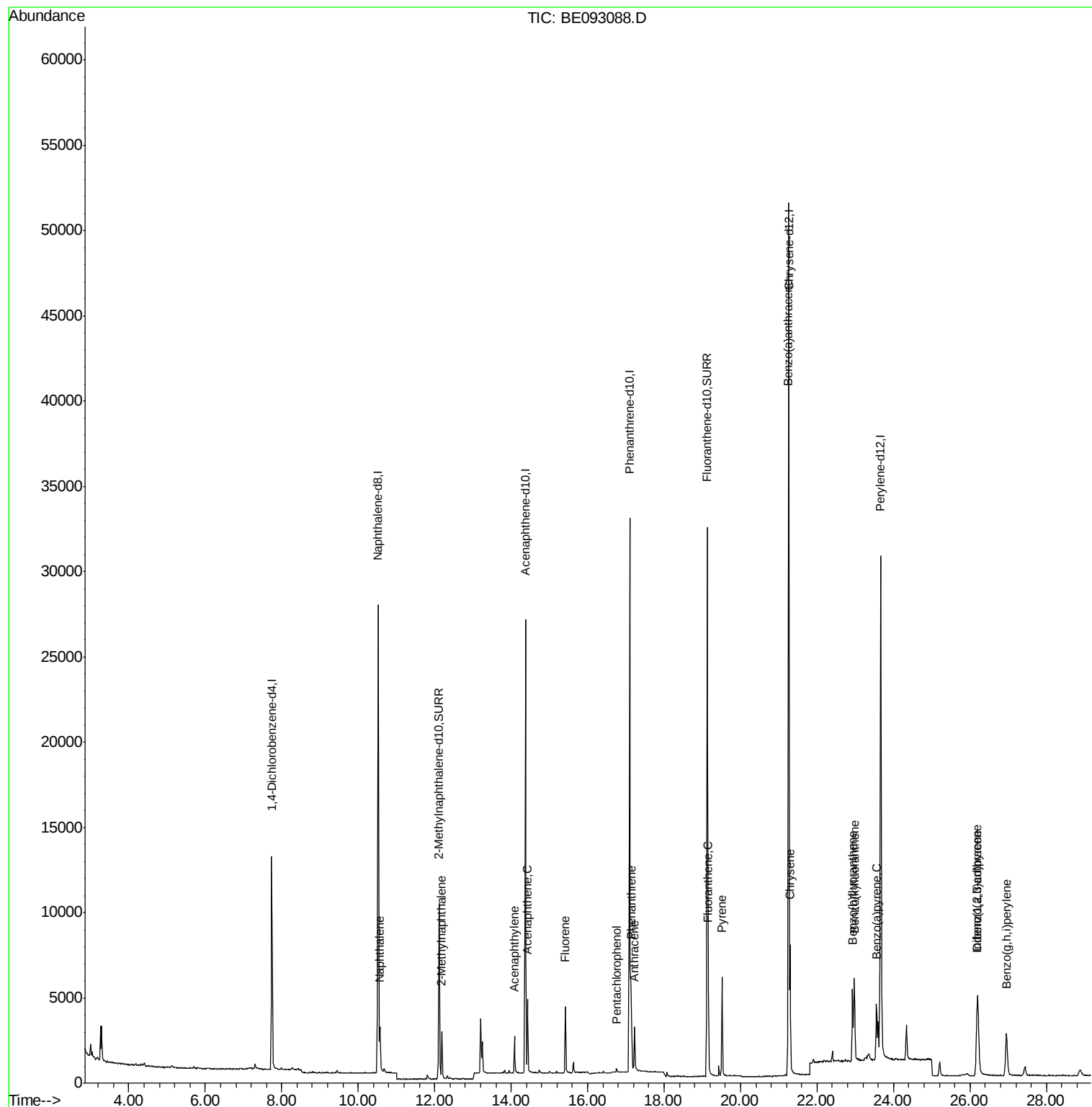
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE060917\
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ALS Vial : 5 Sample Multiplier: 1

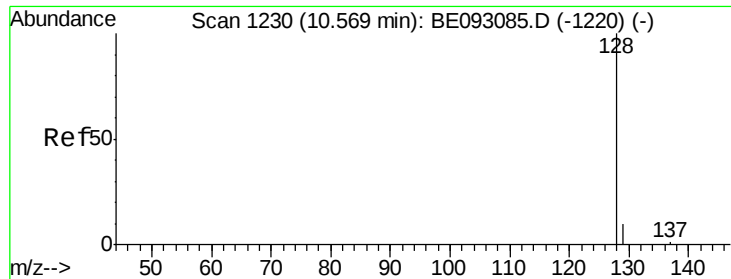
Instrument :
BNA_E
ClientSampleID :
MDL-S-03

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#3

Naphthalene

Concen: 0.051 ng/ul

RT: 10.57 min Scan# 1231

Delta R.T. -0.00 min

Lab File: BE093088.D

Acq: 9 Jun 2017 13:10

Instrument :

BNA_E

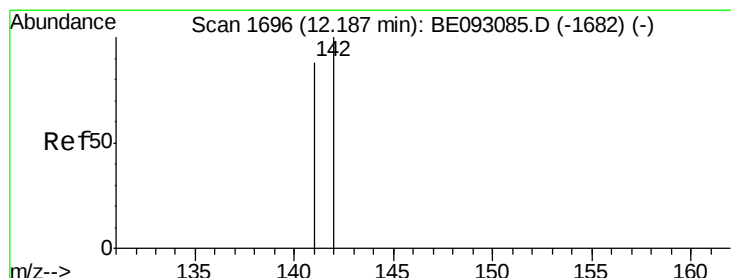
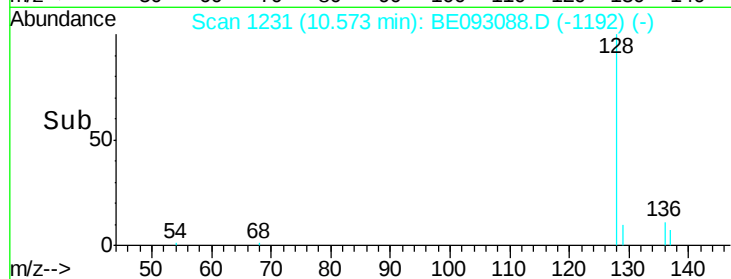
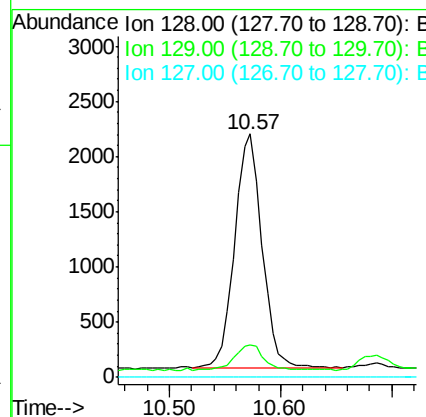
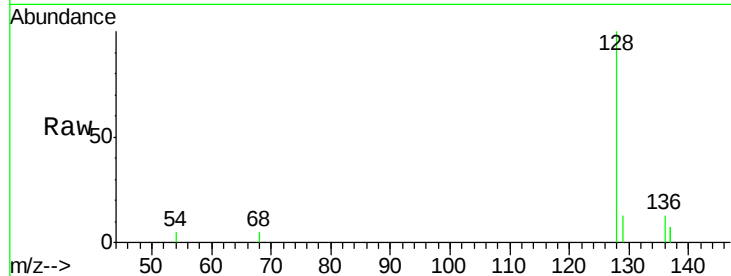
ClientSampleId :

MDL-S-03

Tgt Ion:	128	Resp:	3641
Ion Ratio	Lower	Upper	
128	100		
129	13.3	11.3	16.9
127	0.0	4.0	6.0#

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#5

2-Methylnaphthalene

Concen: 0.048 ng/ul

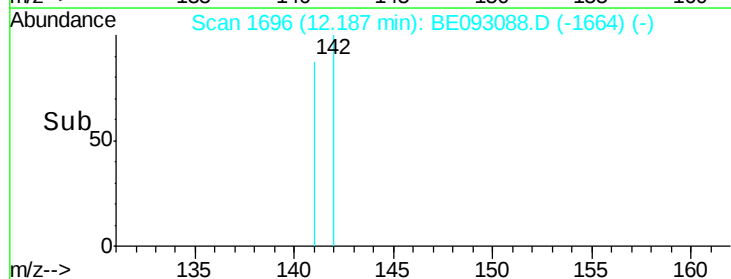
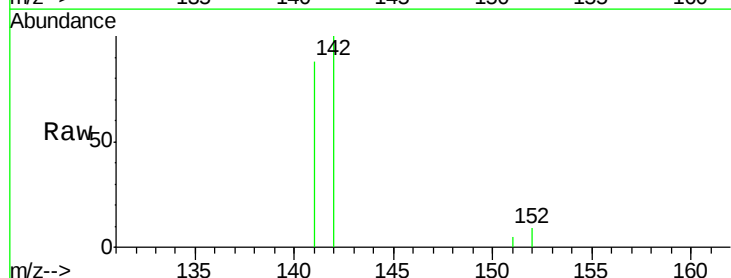
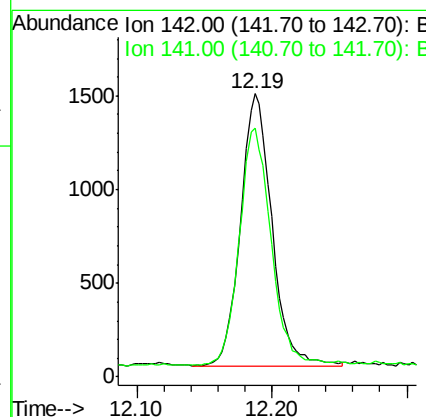
RT: 12.19 min Scan# 1696

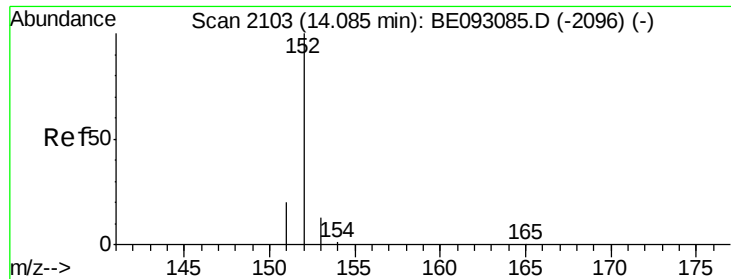
Delta R.T. -0.00 min

Lab File: BE093088.D

Acq: 9 Jun 2017 13:10

Tgt Ion:	142	Resp:	2343
Ion Ratio	Lower	Upper	
142	100		
141	88.4	72.6	108.8





#7

Acenaphthylene

Concen: 0.044 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093088.D

Acq: 9 Jun 2017 13:10

Instrument :

BNA_E

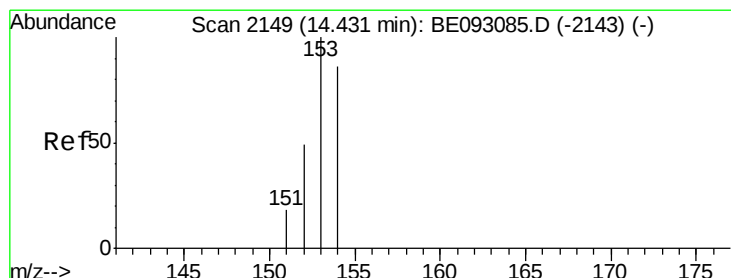
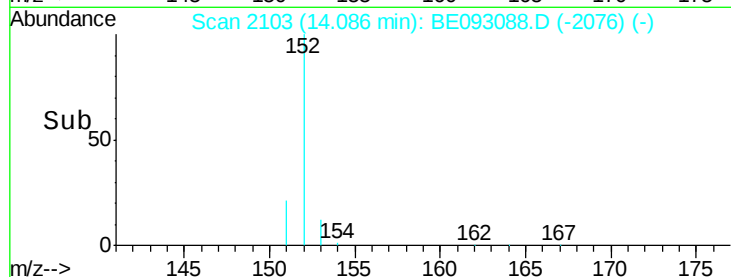
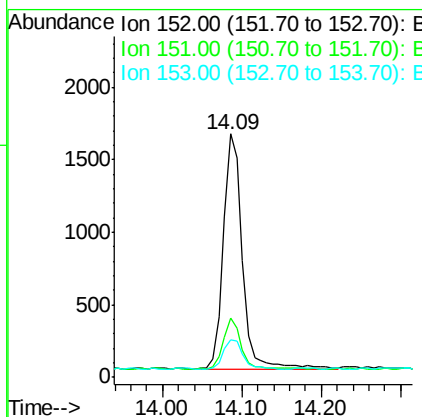
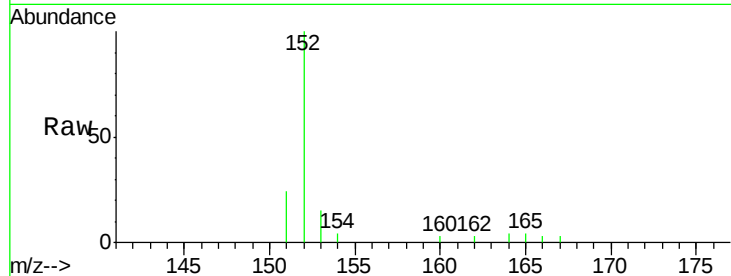
ClientSampleId :

MDL-S-03

Tgt Ion:	152	Resp:	2698
Ion Ratio	Lower	Upper	
152	100		
151	24.4	17.1	25.7
153	15.4	12.8	19.2

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#8

Acenaphthene

Concen: 0.048 ng/ul

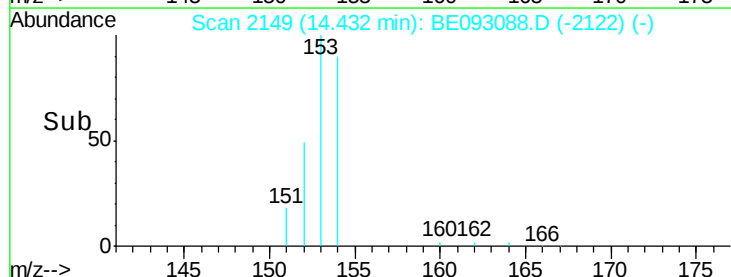
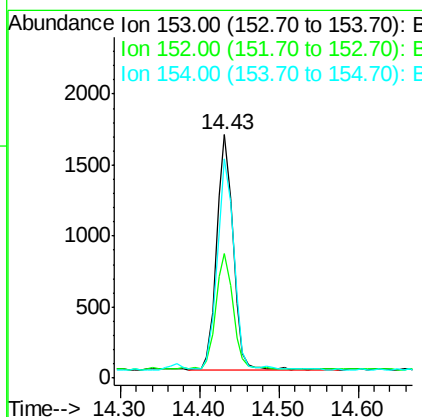
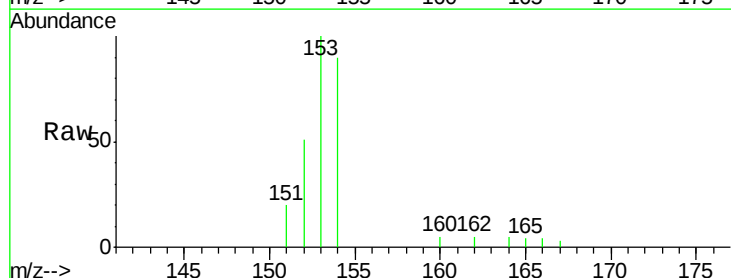
RT: 14.43 min Scan# 2149

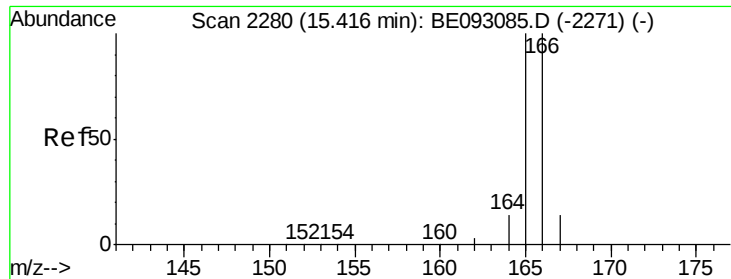
Delta R.T. -0.00 min

Lab File: BE093088.D

Acq: 9 Jun 2017 13:10

Tgt Ion:	153	Resp:	2408
Ion Ratio	Lower	Upper	
153	100		
152	51.3	40.3	60.5
154	89.9	71.4	107.2





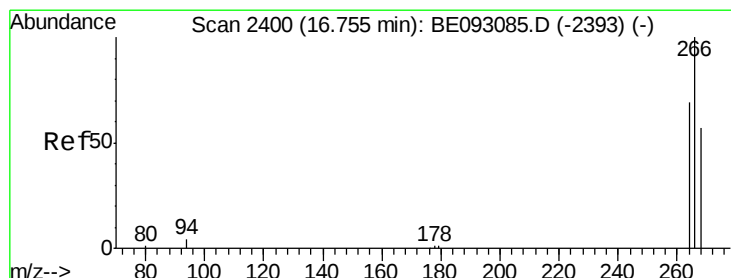
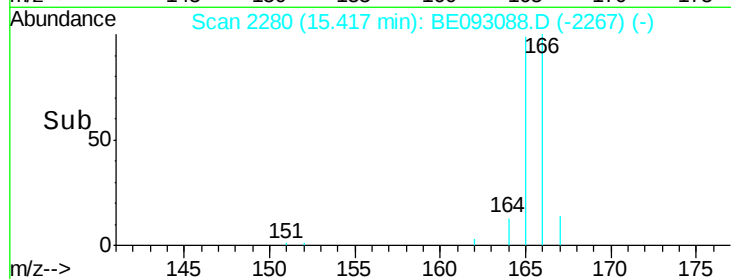
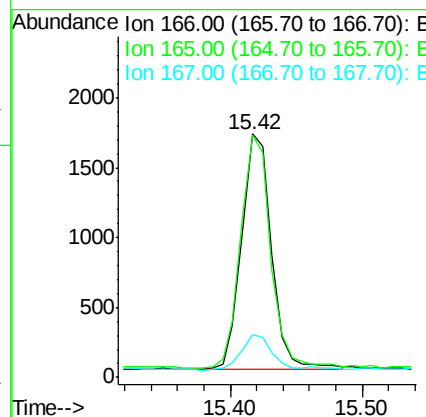
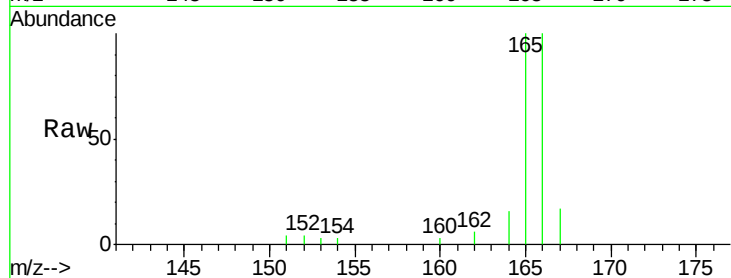
#9
Fluorene
 Concen: 0.046 ng/ul
 RT: 15.42 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: BE093088.D
 Acq: 9 Jun 2017 13:10

Instrument :
 BNA_E
 ClientSampleId :
 MDL-S-03

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.5	73.4	110.2
167	17.5	14.6	22.0

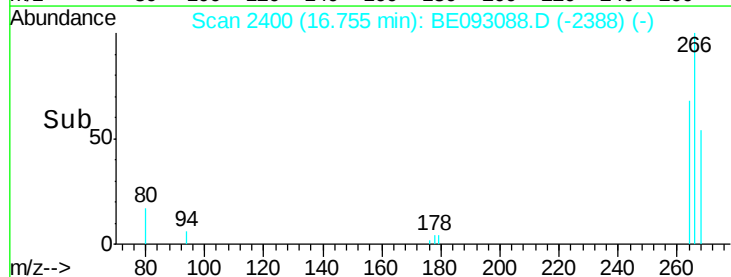
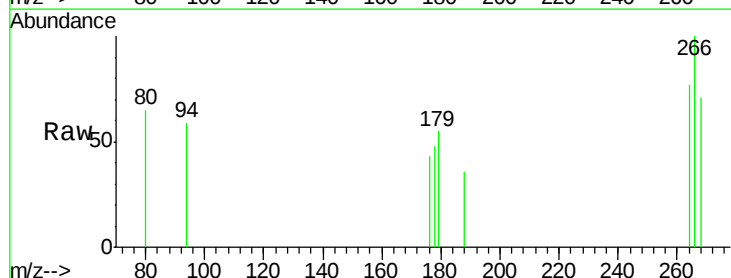
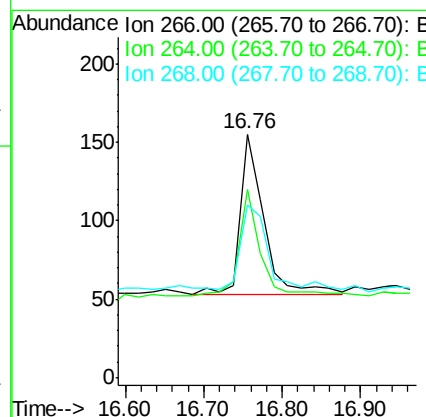
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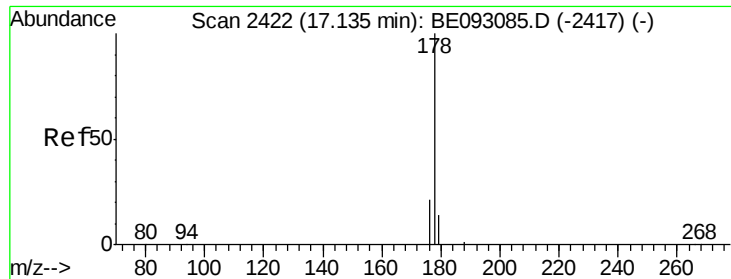
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#11
Pentachlorophenol
 Concen: 0.037 ng/ul
 RT: 16.76 min Scan# 2400
 Delta R.T. 0.00 min
 Lab File: BE093088.D
 Acq: 9 Jun 2017 13:10

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.8	47.9	71.9
268	60.8	49.8	74.8





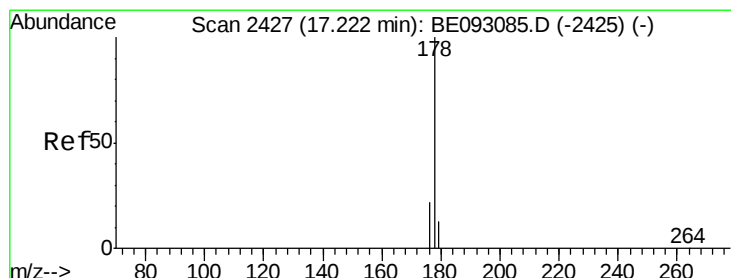
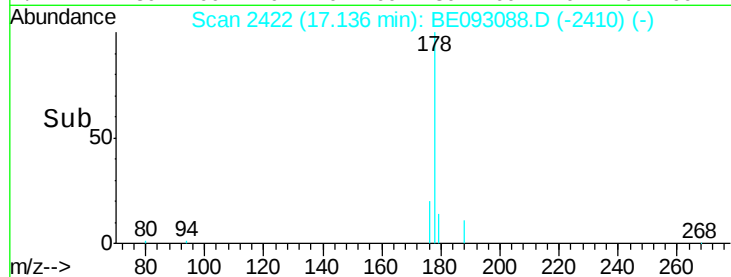
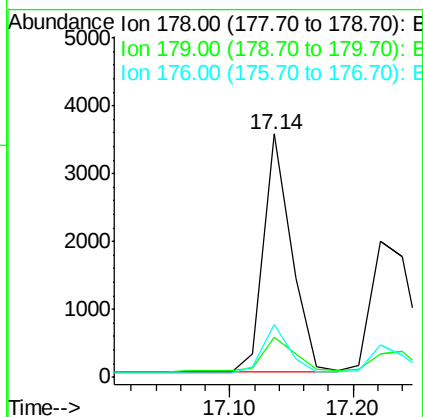
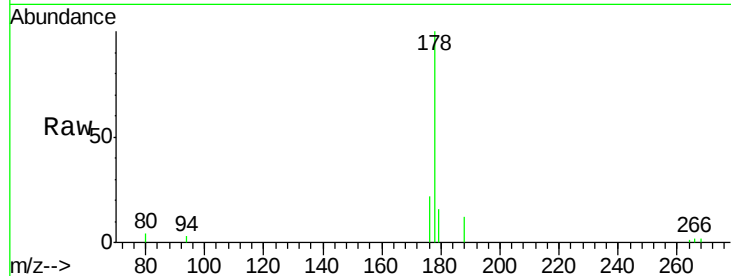
#12
Phenanthrene
Concen: 0.051 ng/ul
RT: 17.14 min Scan# 2422
Delta R.T. 0.00 min
Lab File: BE093088.D
Acq: 9 Jun 2017 13:10

Instrument :
BNA_E
ClientSampled :
MDL-S-03

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.4	18.4	27.6#
176	21.9	13.6	20.4#

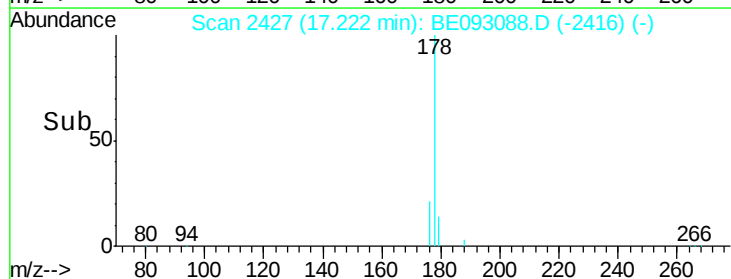
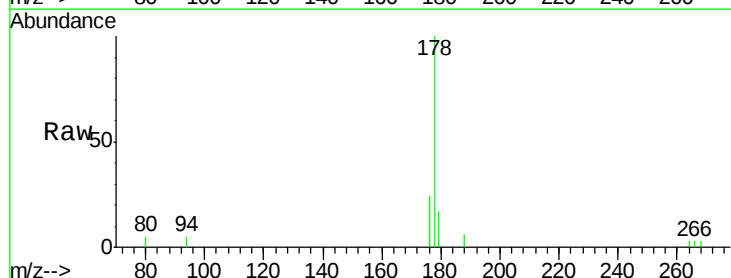
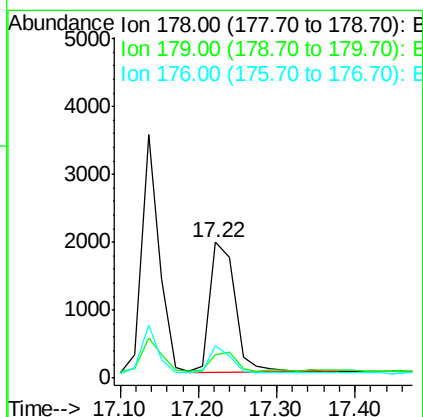
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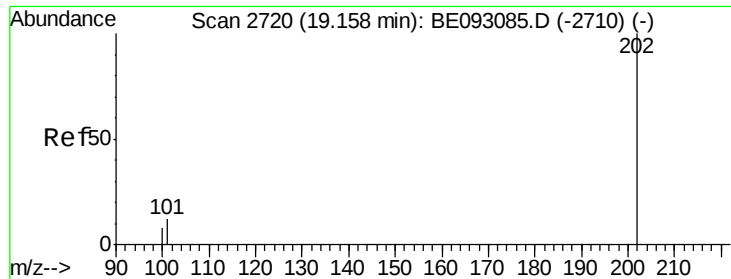
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#13
Anthracene
Concen: 0.045 ng/ul
RT: 17.22 min Scan# 2427
Delta R.T. -0.02 min
Lab File: BE093088.D
Acq: 9 Jun 2017 13:10

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.4	18.1	27.1#
176	23.8	14.7	22.1#





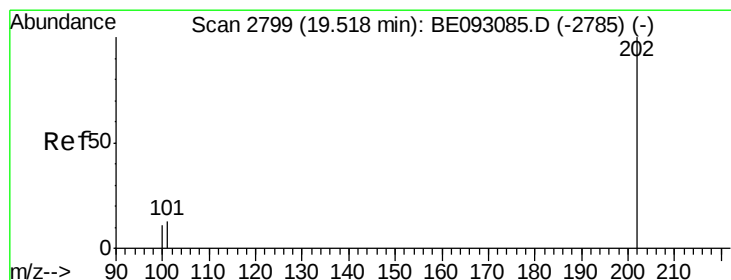
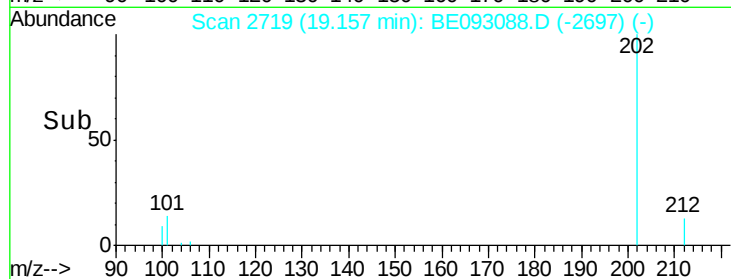
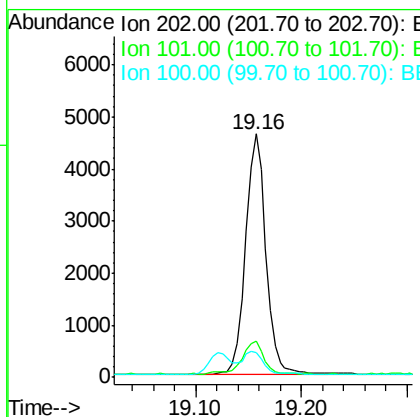
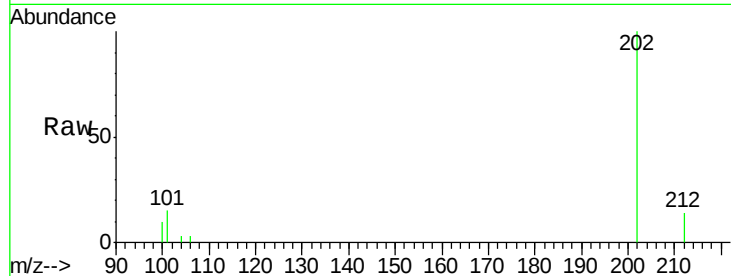
#15
Fluoranthene
 Concen: 0.047 ng/ul
 RT: 19.16 min Scan# 2719
 Delta R.T. -0.00 min
 Lab File: BE093088.D
 Acq: 9 Jun 2017 13:10

Instrument :
 BNA_E
 ClientSampleId :
 MDL-S-03

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	6191		
101	14.7	0.0	30.3	
100	10.3	0.0	39.5	

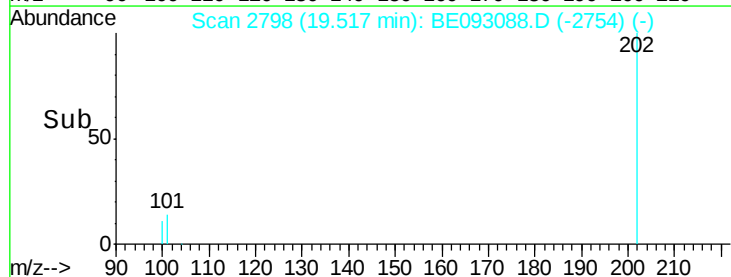
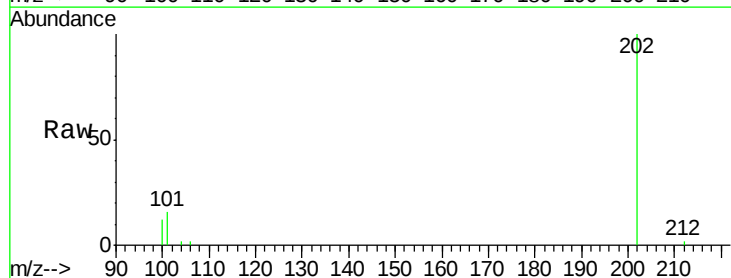
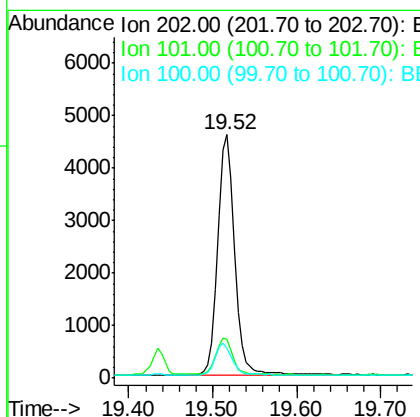
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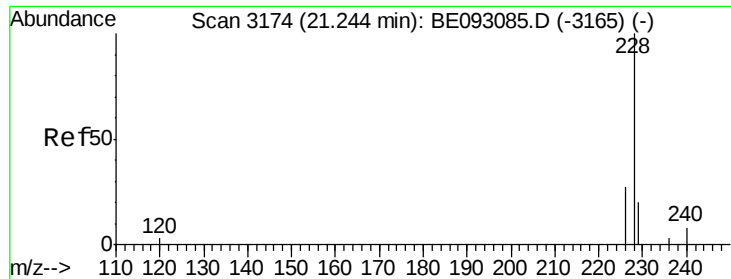
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#17
Pyrene
 Concen: 0.046 ng/ul
 RT: 19.52 min Scan# 2798
 Delta R.T. -0.00 min
 Lab File: BE093088.D
 Acq: 9 Jun 2017 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	6413		
101	15.8	18.2	27.4#	
100	12.1	15.6	23.4#	





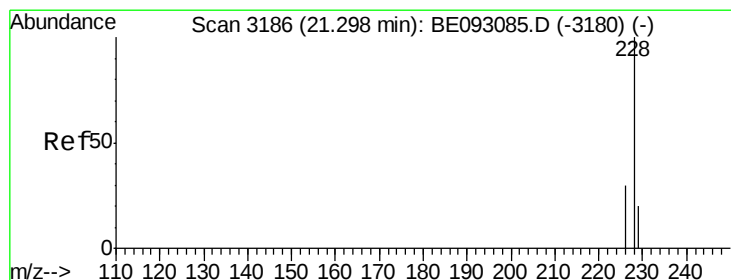
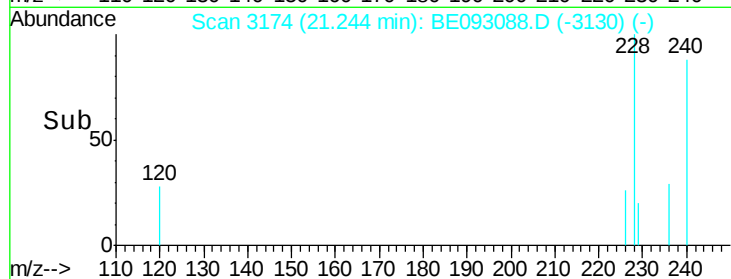
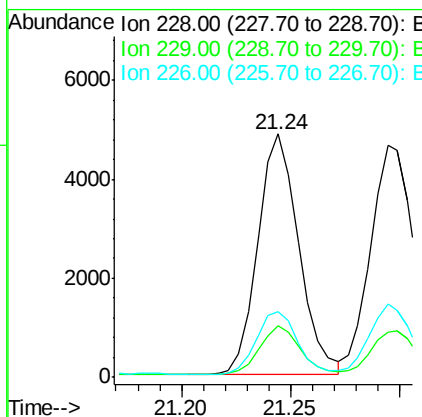
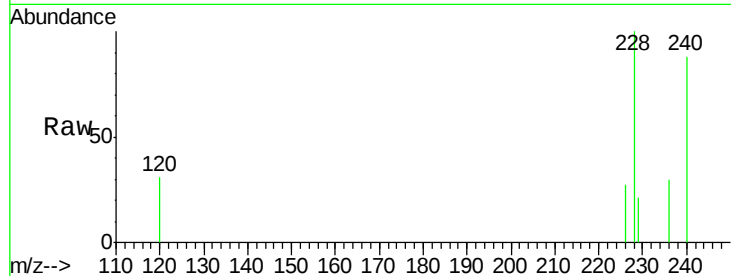
#18
Benzo(a)anthracene
Concen: 0.050 ng/ul
RT: 21.24 min Scan# 3174
Delta R.T. -0.00 min
Lab File: BE093088.D
Acq: 9 Jun 2017 13:10

Instrument :
BNA_E
ClientSampleId :
MDL-S-03

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.0	22.8	34.2#
226	26.9	17.0	25.6#

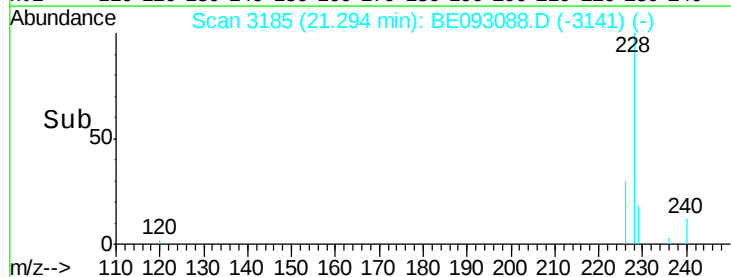
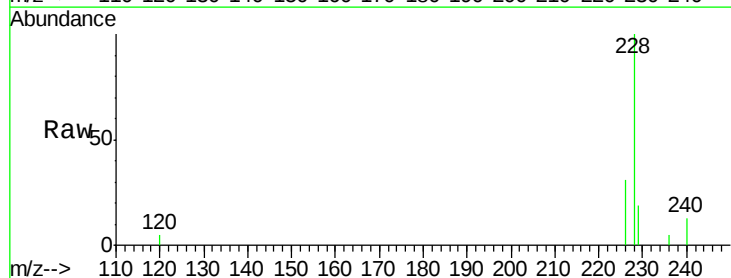
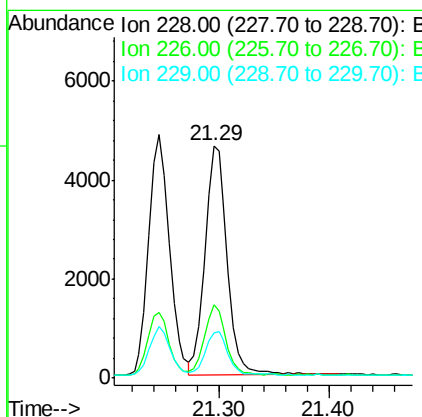
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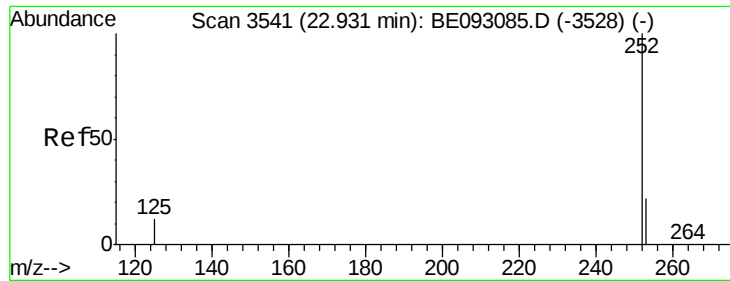
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#19
Chrysene
Concen: 0.050 ng/ul
RT: 21.29 min Scan# 3185
Delta R.T. -0.00 min
Lab File: BE093088.D
Acq: 9 Jun 2017 13:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.4	35.0
229	19.5	17.7	26.5





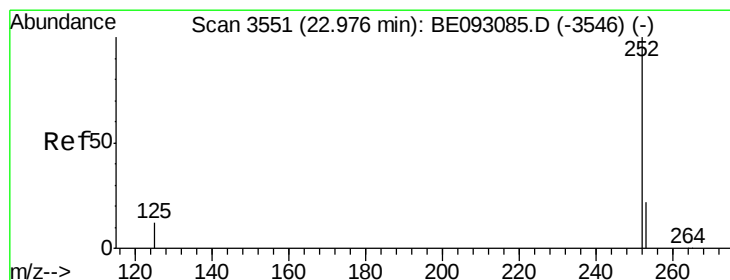
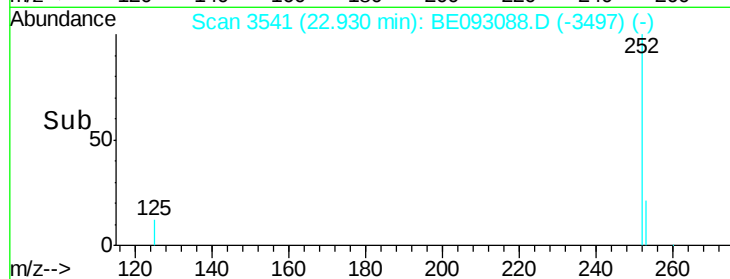
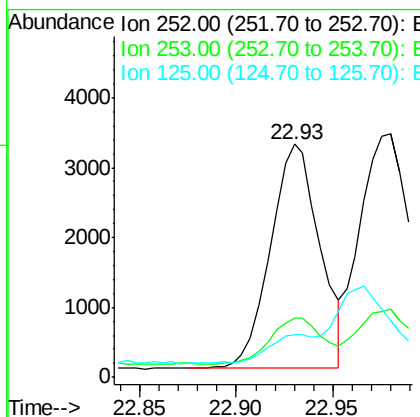
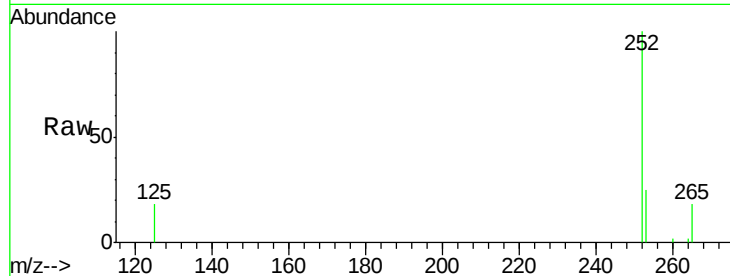
#21
Benzo(b)fluoranthene
Concen: 0.043 ng/u1
RT: 22.93 min Scan# 3541
Delta R.T. -0.00 min
Lab File: BE093088.D
Acq: 9 Jun 2017 13:10

Instrument :
BNA_E
ClientSampleId :
MDL-S-03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	0.0	64.2
125	18.4	0.0	35.0

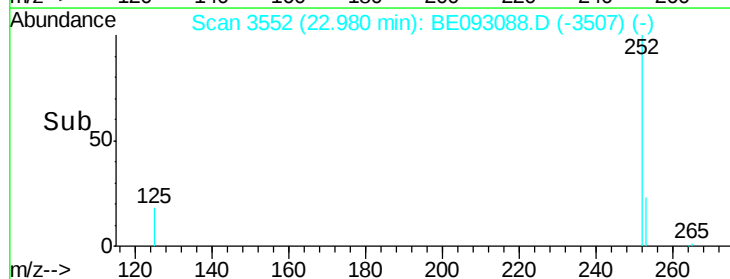
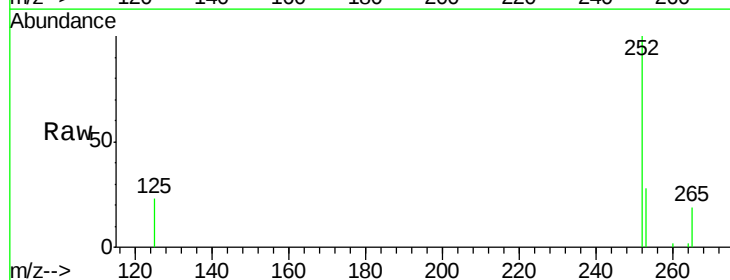
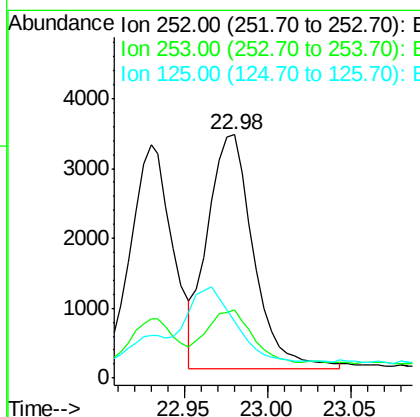
Manual Integrations
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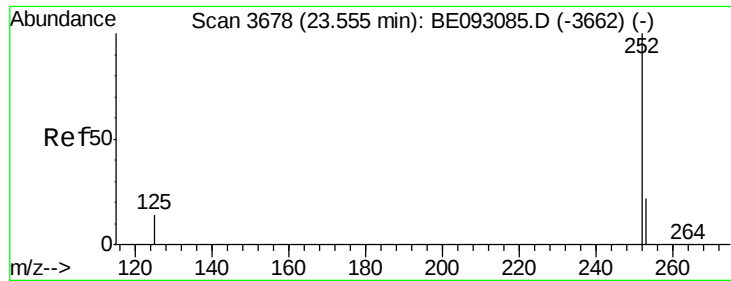
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#22
Benzo(k)fluoranthene
Concen: 0.046 ng/u1 m
RT: 22.98 min Scan# 3552
Delta R.T. 0.00 min
Lab File: BE093088.D
Acq: 9 Jun 2017 13:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.8	24.5	36.7
125	23.2	13.7	20.5#





#23

Benzo(a)pyrene

Concen: 0.045 ng/u1

RT: 23.56 min Scan# 3679

Delta R.T. -0.00 min

Lab File: BE093088.D

Acq: 9 Jun 2017 13:10

Instrument :

BNA_E

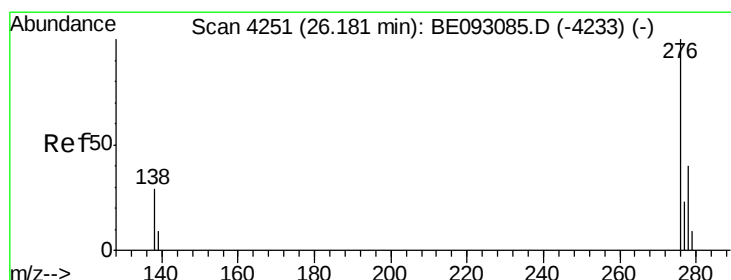
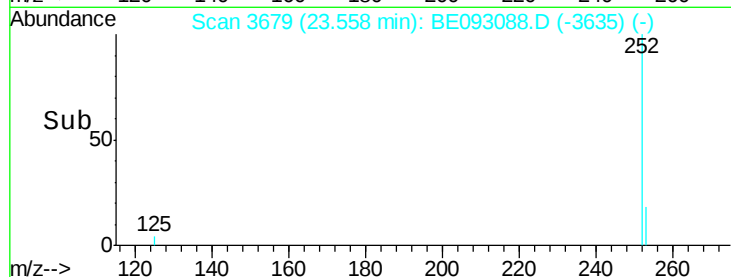
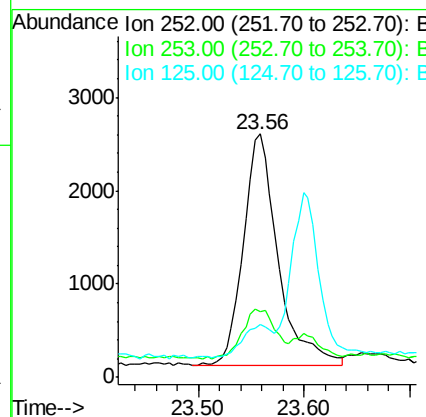
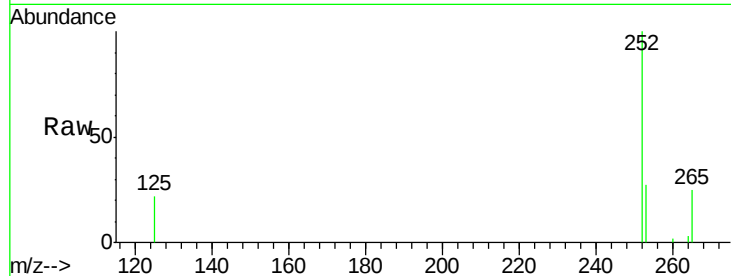
ClientSampleId :

MDL-S-03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.9	28.5	42.7#
125	22.0	18.1	27.1

Manual Integrations
APPROVED

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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.046 ng/u1

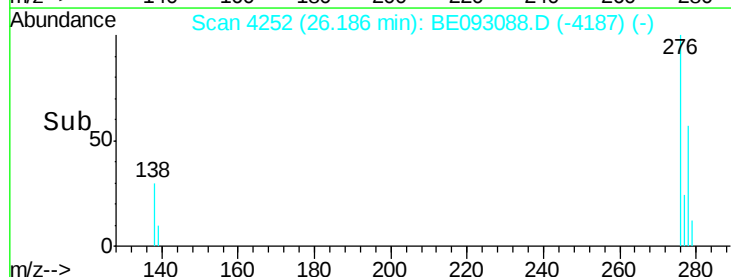
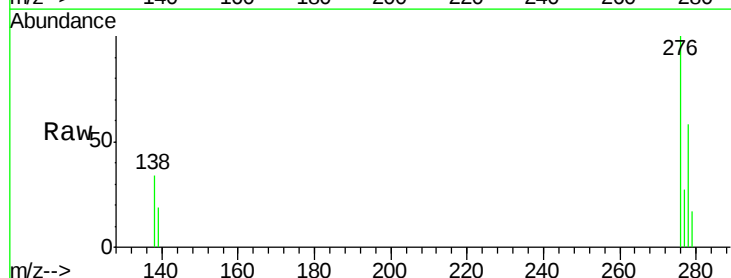
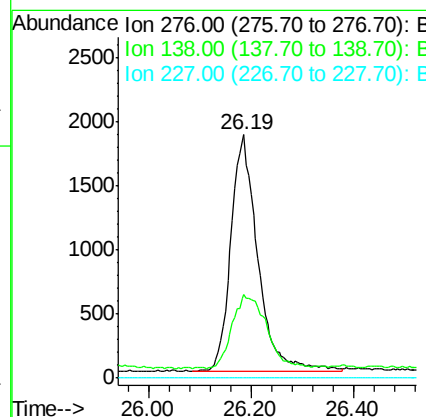
RT: 26.19 min Scan# 4252

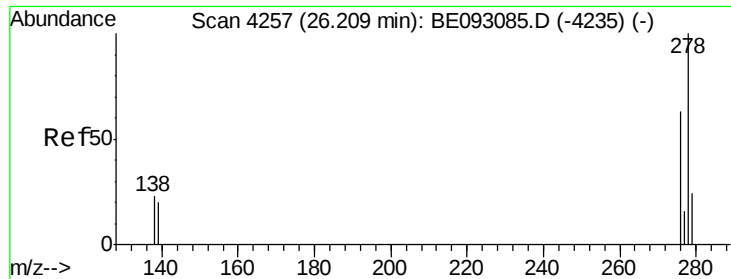
Delta R.T. -0.00 min

Lab File: BE093088.D

Acq: 9 Jun 2017 13:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	39.4	28.0	42.0
227	0.0	8.0	12.0#





#25

Dibenzo(a,h)anthracene

Concen: 0.046 ng/ul

RT: 26.20 min Scan# 4256

Delta R.T. -0.01 min

Lab File: BE093088.D

Acq: 9 Jun 2017 13:10

Instrument :

BNA_E

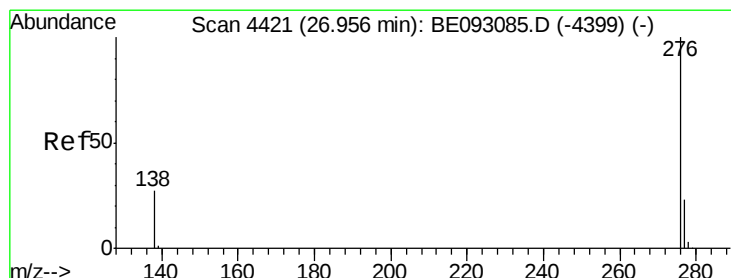
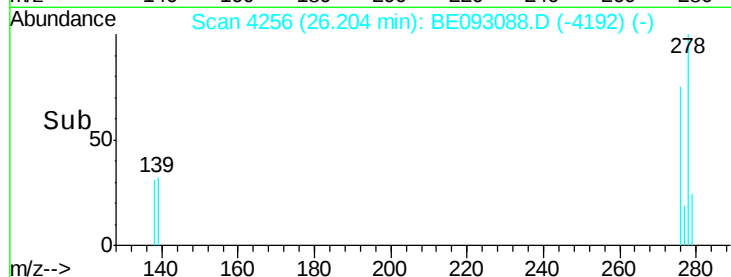
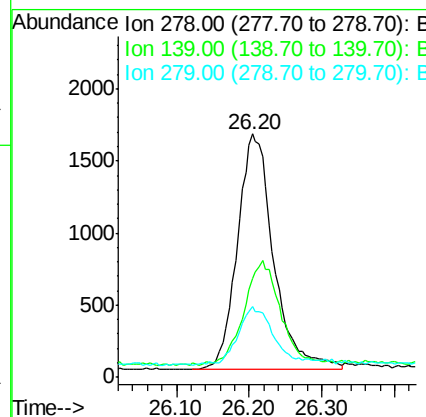
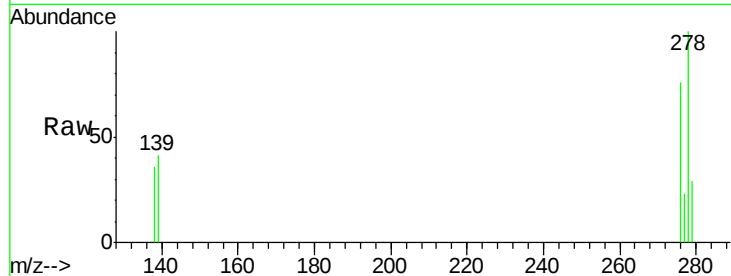
ClientSampleId :

MDL-S-03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	40.5	17.4	26.0#
279	29.0	25.9	38.9

Manual Integrations
APPROVED

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#26

Benzo(g,h,i)perylene

Concen: 0.044 ng/ul

RT: 26.96 min Scan# 4421

Delta R.T. 0.00 min

Lab File: BE093088.D

Acq: 9 Jun 2017 13:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.8	21.8	32.8
277	27.7	20.5	30.7

