

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061319\
 Data File : BE099980.D
 Acq On : 13 Jun 2019 9:22
 Operator : JU/SJ
 Sample : PB120516BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB120516BS

Manual Integrations
 APPROVED

mohammad
 6/14/2019 8:45:27 AM

Quant Time: Jun 14 03:37:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 10 14:57:20 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	784	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	2801	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	1997	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	6911	0.40	ng	0.00
27) Chrysene-d12	21.40	240	10966	0.40	ng	0.00
34) Perylene-d12	23.93	264	12273	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.37	112	709	0.33	ng	0.01
5) Phenol-d6	6.97	99	847	0.31	ng	0.00
8) Nitrobenzene-d5	8.96	82	805	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	2312	0.47	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	298	0.20	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	2562	0.34	ng	-0.01
25) Fluoranthene-d10	19.25	212	35041	0.35	ng	0.00
29) Terphenyl-d14	19.85	244	7508	0.38	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.27	88	438	0.377	ng	# 69
3) n-Nitrosodimethylamine	3.62	42	158	0.236	ng	# 100
6) bis(2-Chloroethyl)ether	7.22	93	769	0.345	ng	91
9) Naphthalene	10.64	128	10834	0.358	ng	99
10) Hexachlorobutadiene	10.91	225	857	0.372	ng	98
12) 2-Methylnaphthalene	12.28	142	1677	0.341	ng	99
16) Acenaphthylene	14.18	152	3354	0.338	ng	99
17) Acenaphthene	14.53	154	1850	0.342	ng	98
18) Fluorene	15.51	166	2742	0.338	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	1300	0.332	ng	95
21) Hexachlorobenzene	16.52	284	1355	0.339	ng	97
22) Pentachlorophenol	16.91	266	211	0.409	ng	98
23) Phenanthrene	17.25	178	5739	0.342	ng	99
24) Anthracene	17.35	178	4933	0.321	ng	98
26) Fluoranthene	19.28	202	10421	0.366	ng	99
28) Pyrene	19.64	202	11131	0.386	ng	99
30) Benzo(a)anthracene	21.38	228	13543	0.413	ng	99
31) Chrysene	21.44	228	13140	0.388	ng	99
32) Bis(2-ethylhexyl)phthalate	21.29	149	15812	0.336	ng	99
33) Indeno(1,2,3-cd)pyrene	26.61	276	15911	0.396	ng	98
35) Benzo(b)fluoranthene	23.15	252	13265m	0.386	ng	
36) Benzo(k)fluoranthene	23.20	252	14726	0.409	ng	99
37) Benzo(a)pyrene	23.81	252	13498	0.398	ng	# 91
38) Dibenzo(a,h)anthracene	26.64	278	12716	0.373	ng	98
39) Benzo(g,h,i)perylene	27.43	276	13661	0.387	ng	99

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

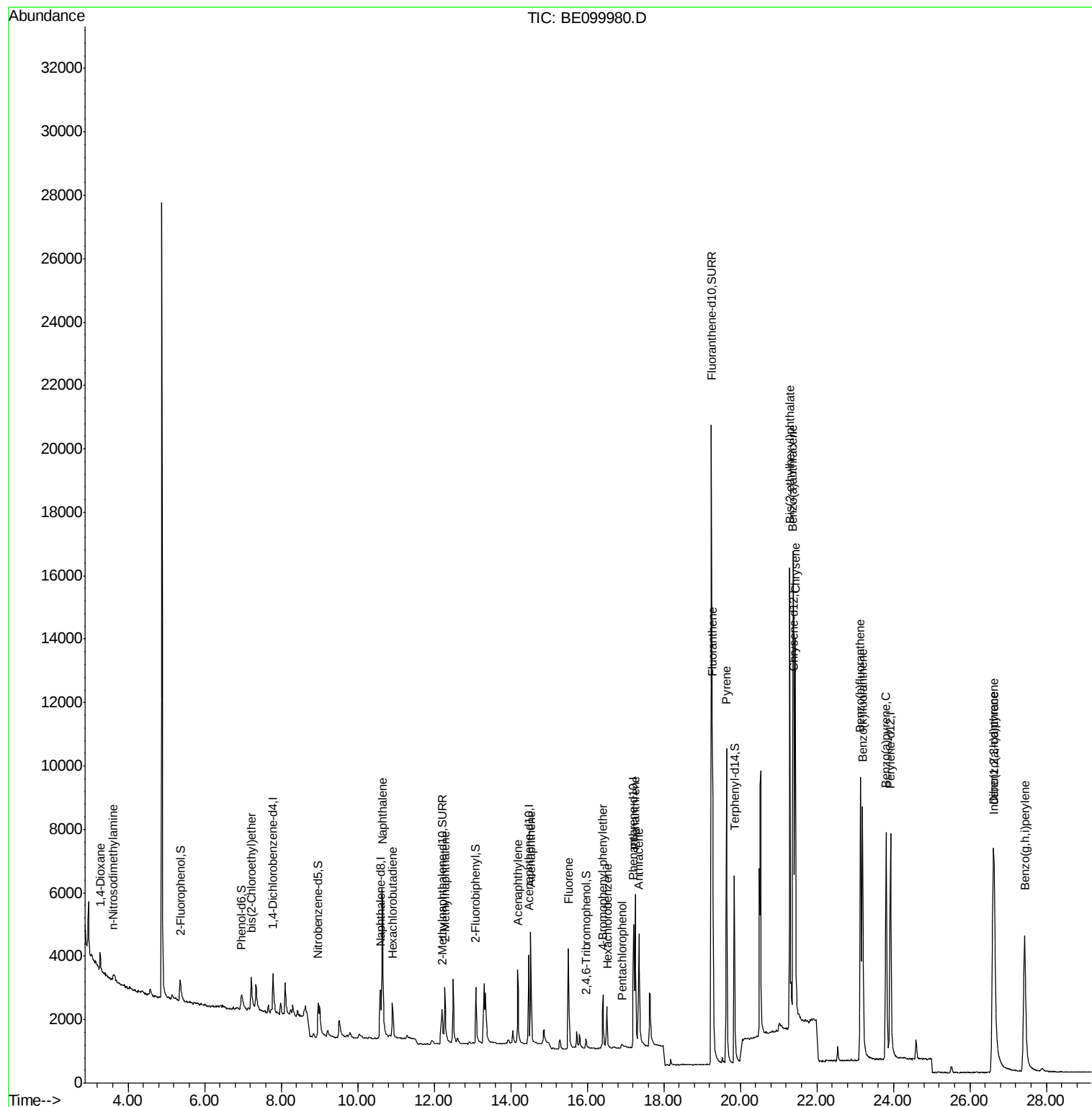
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061319\
Data File : BE099980.D
Acq On : 13 Jun 2019 9:22
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Sample : PB120516BS
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Instrument :
BNA_E
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Manual Integrations
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6/14/2019 8:45:27 AM

Quant Time: Jun 14 03:37:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 14:57:20 2019
Response via : Initial Calibration





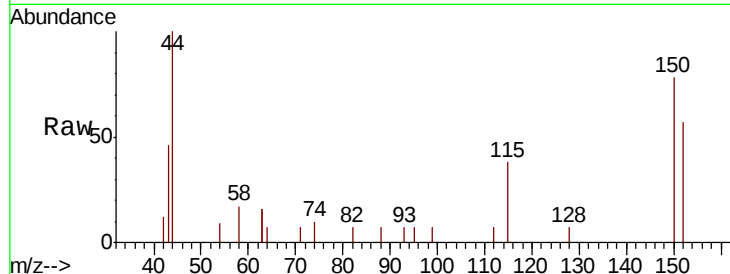
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.78 min Scan# 427
 Delta R.T. -0.01 min
 Lab File: BE099980.D
 Acq: 13 Jun 2019 9:22

Instrument :
 BNA_E
 ClientSampleId :
 PB120516BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	138.4	111.0	166.6
115	66.6	50.7	76.1

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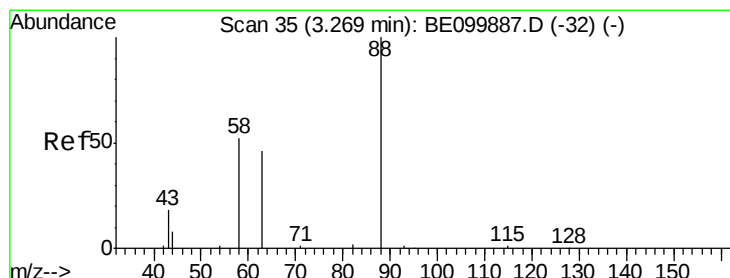
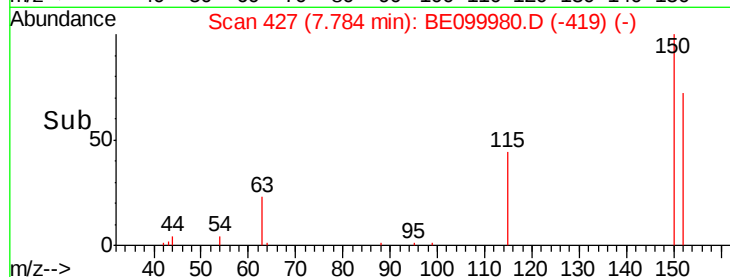
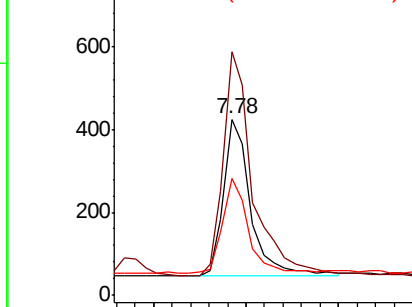


Abundance

Ion 152.00 (151.70 to 152.70): E

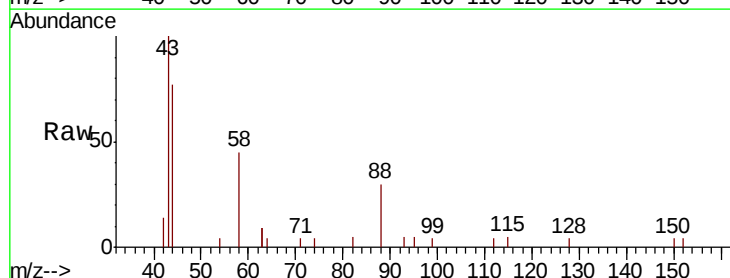
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2
 1,4-Dioxane
 Concen: 0.377 ng
 RT: 3.27 min Scan# 35
 Delta R.T. 0.00 min
 Lab File: BE099980.D
 Acq: 13 Jun 2019 9:22

Tgt Ion	Ratio	Lower	Upper
88	100		
58	56.4	48.8	73.2
43	69.9	19.0	28.6

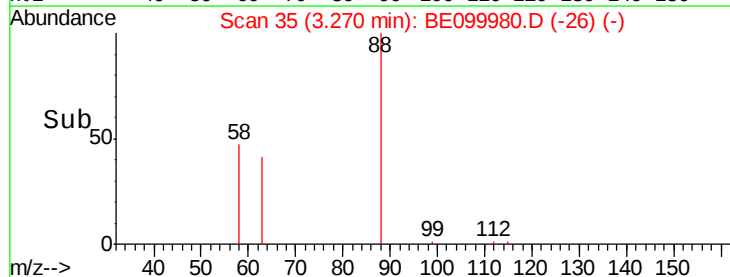
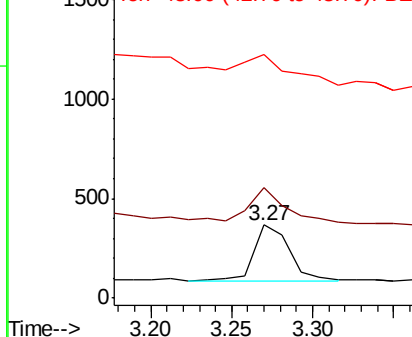


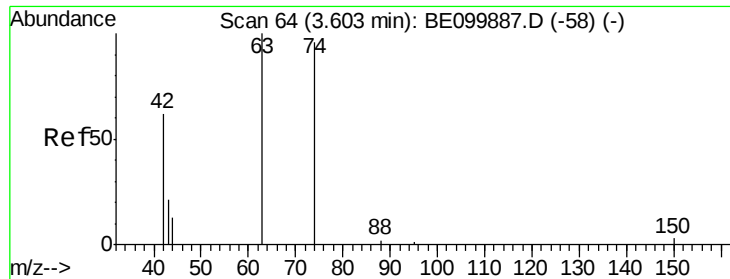
Abundance

Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.236 ng

RT: 3.62 min Scan# 65

Delta R.T. 0.01 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

BNA_E

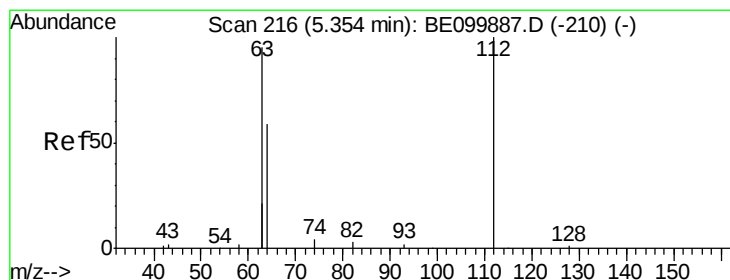
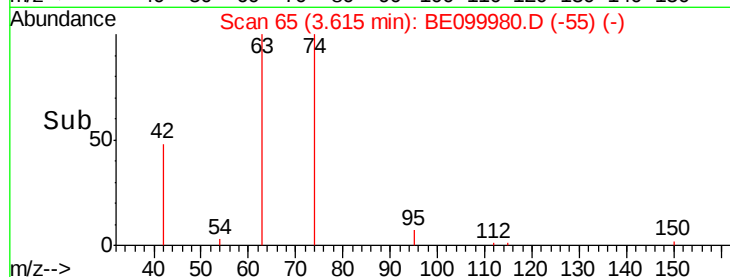
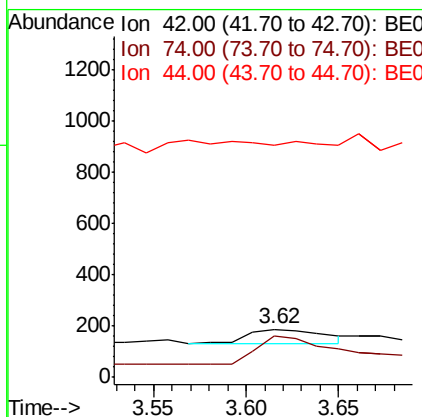
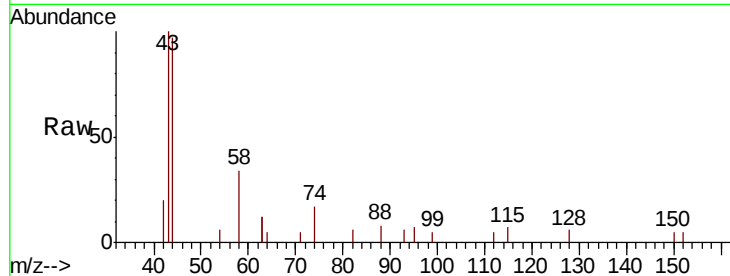
ClientSampleId :

PB120516BS

Tot Ion:	42	Resp:	158
Ion	Ratio	Lower	Upper
42	100		
74	167.7	0.0	0.0#
44	0.0	0.0	0.0

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#4

2-Fluorophenol

Concen: 0.335 ng

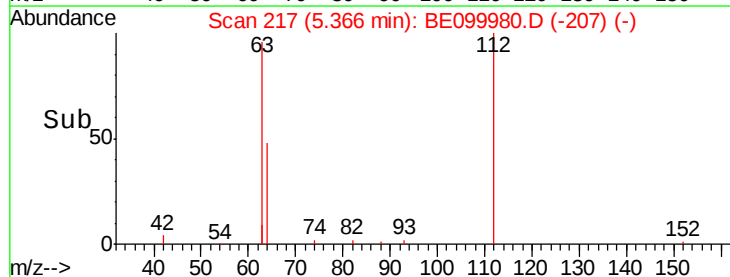
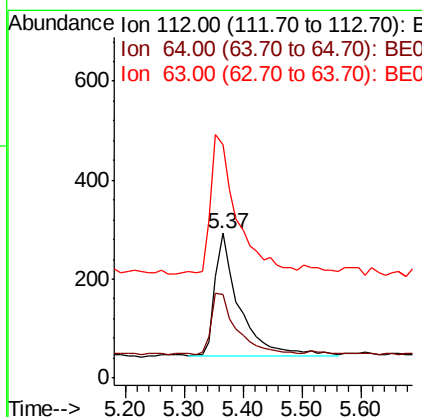
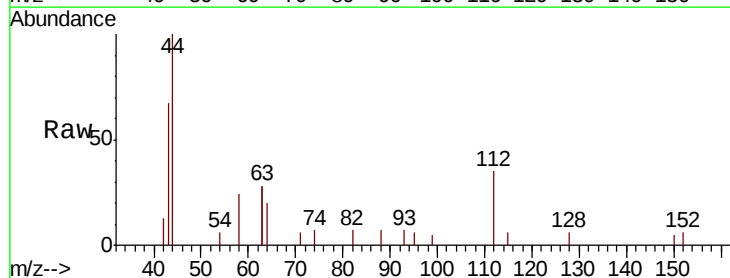
RT: 5.37 min Scan# 217

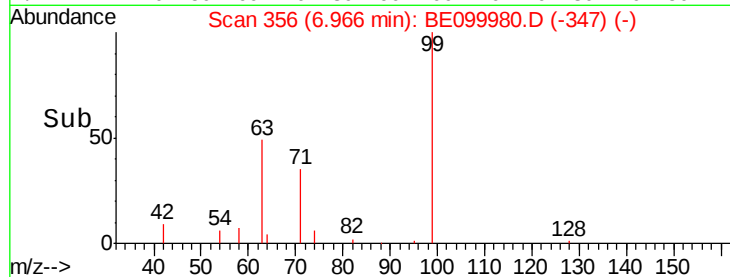
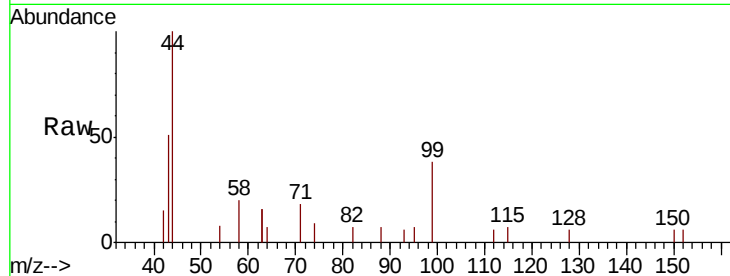
Delta R.T. 0.01 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Tgt Ion:	112	Resp:	709
Ion	Ratio	Lower	Upper
112	100		
64	51.8	44.1	66.1
63	123.0	87.8	131.6





#5

Phenol-d6

Concen: 0.311 ng

RT: 6.97 min Scan# 356

Delta R.T. 0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Tot Ion:	99	Resp:	847
Ion	Ratio	Lower	Upper
99	100		
42	11.1	15.9	23.9#
71	39.8	34.6	52.0

Instrument :

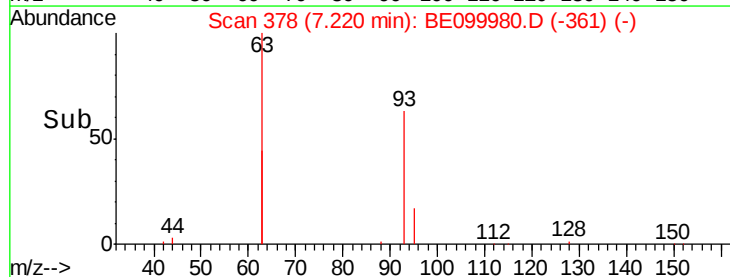
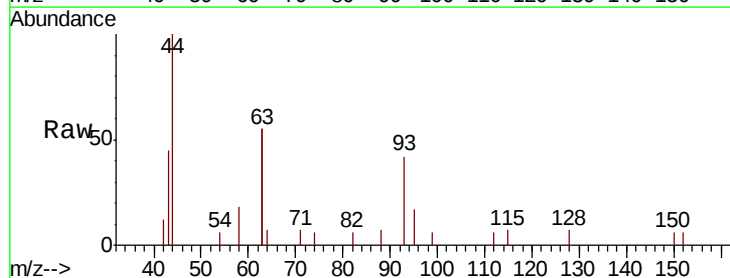
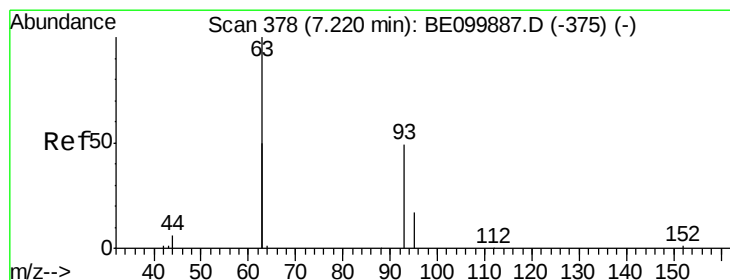
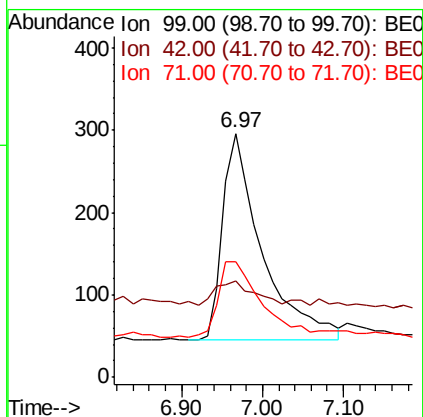
BNA_E

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#6

bis(2-Chloroethyl)ether

Concen: 0.345 ng

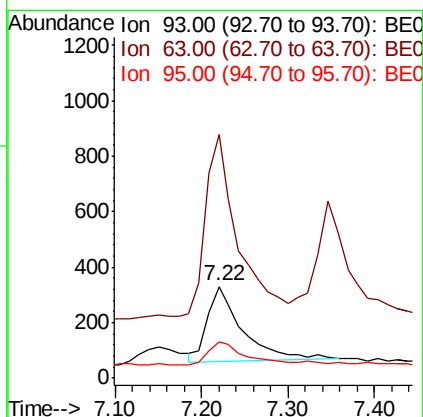
RT: 7.22 min Scan# 378

Delta R.T. 0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Tgt Ion:	93	Resp:	769
Ion	Ratio	Lower	Upper
93	100		
63	236.7	202.8	304.2
95	32.8	23.7	35.5





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. 0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

BNA_E

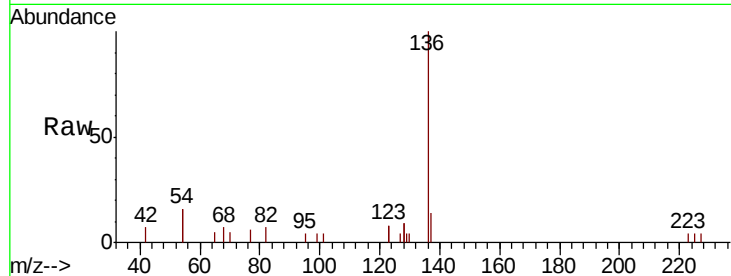
ClientSampleId :

PB120516BS

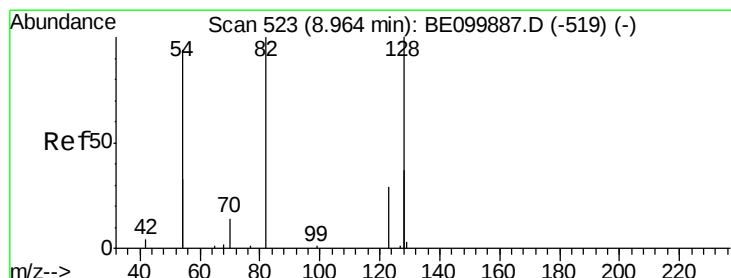
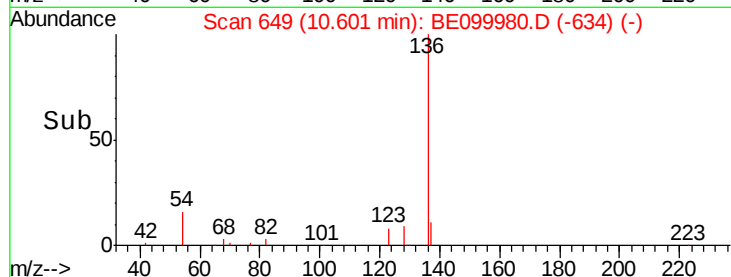
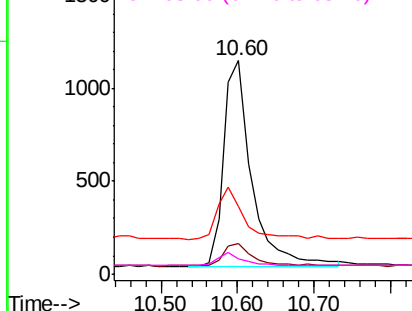
Tot Ion	Ratio	Lower	Upper
136	100		
137	14.4	12.3	18.5
54	31.5	28.2	42.4
68	7.4	7.8	11.8#

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Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.304 ng

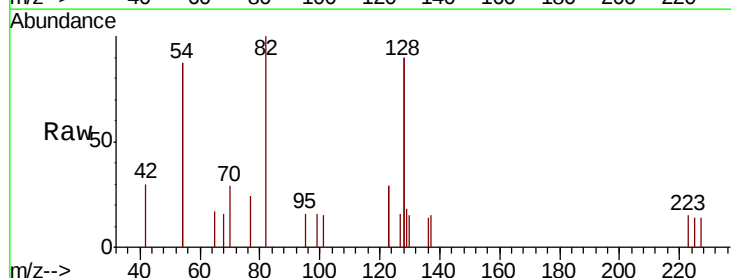
RT: 8.96 min Scan# 523

Delta R.T. 0.00 min

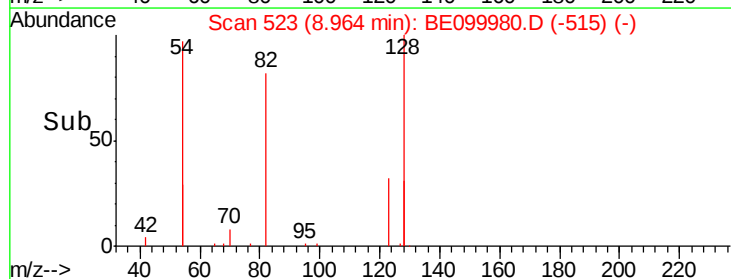
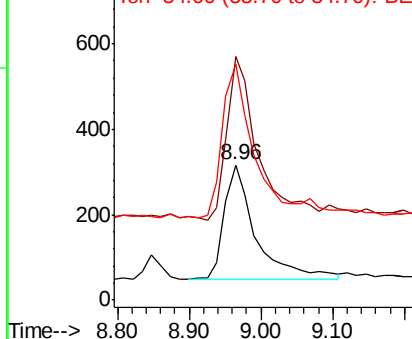
Lab File: BE099980.D

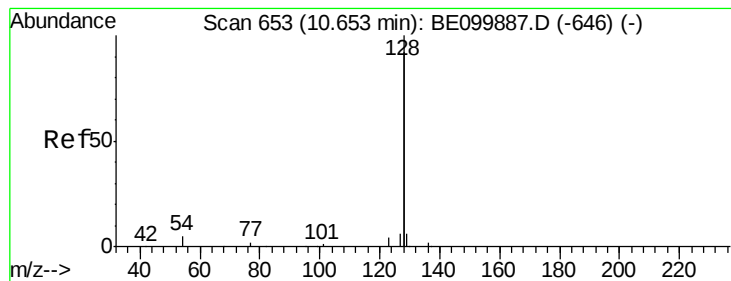
Acq: 13 Jun 2019 9:22

Tgt Ion	Ratio	Lower	Upper
82	100		
128	180.4	137.3	205.9
54	174.7	129.7	194.5



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.358 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.01 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

BNA_E

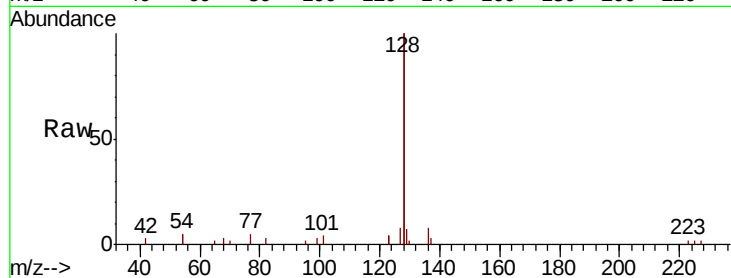
ClientSampleId :

PB120516BS

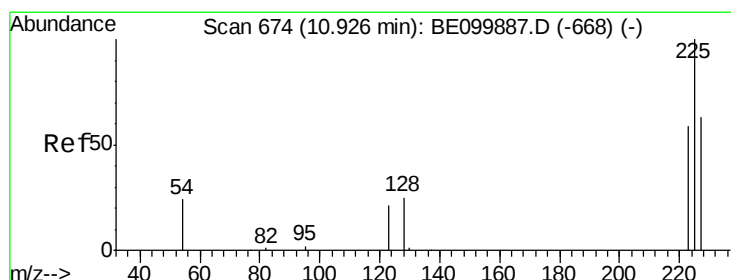
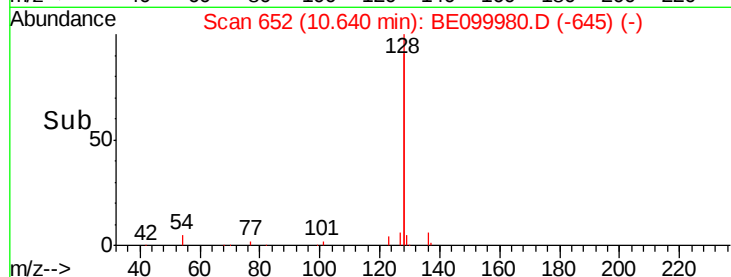
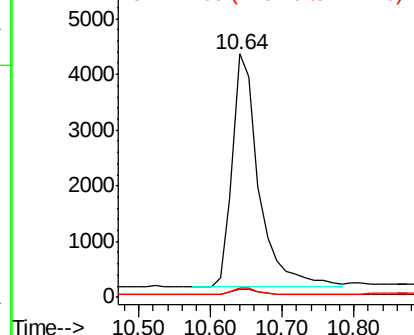
Tot Ion	Ratio	Lower	Upper
128	100		
129	3.5	3.0	4.6
127	4.1	3.4	5.0

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.372 ng

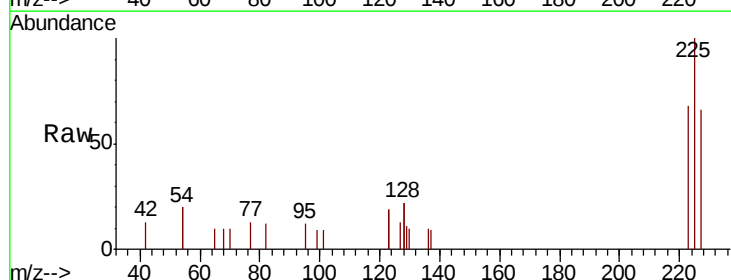
RT: 10.91 min Scan# 673

Delta R.T. -0.01 min

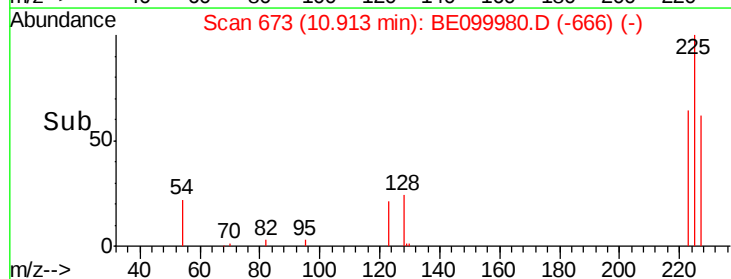
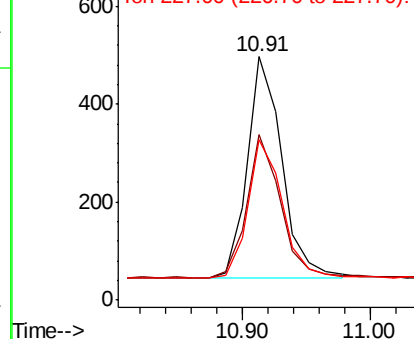
Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	51.6	77.4
227	62.1	50.6	76.0



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





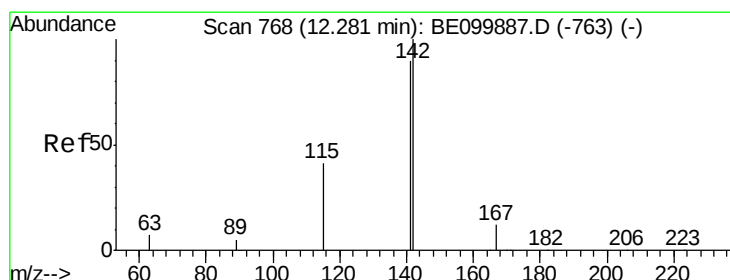
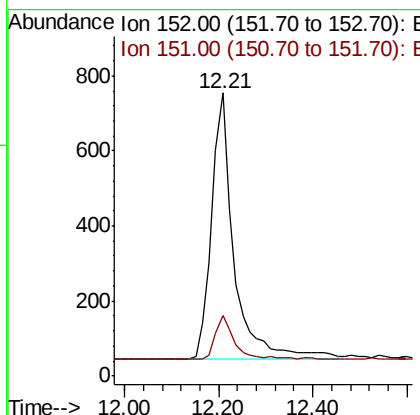
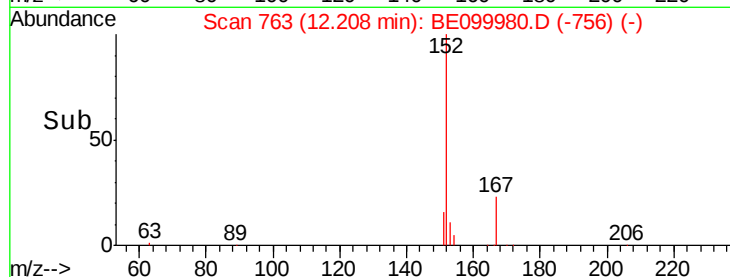
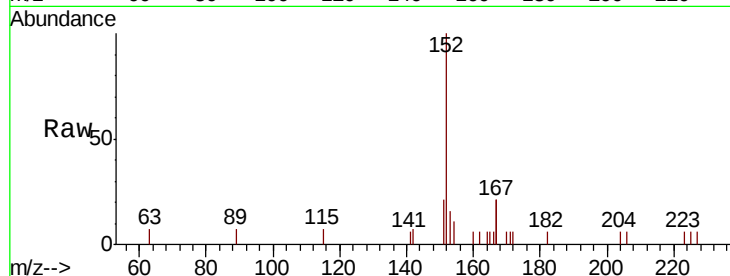
#11
2-Methylnaphthalene-d10
Concen: 0.473 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.00 min
Lab File: BE099980.D
Acq: 13 Jun 2019 9:22

Instrument :
BNA_E
ClientSampleId :
PB120516BS

Tot Ion	Ratio	Lower	Upper
152	100		
151	13.6	15.2	22.8#

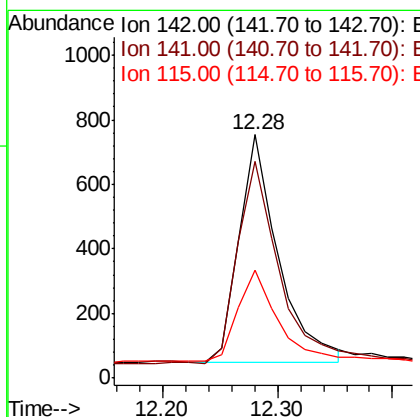
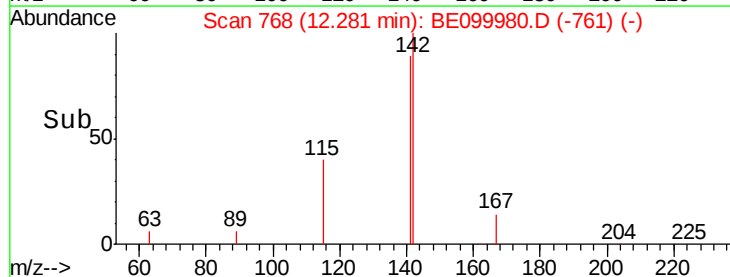
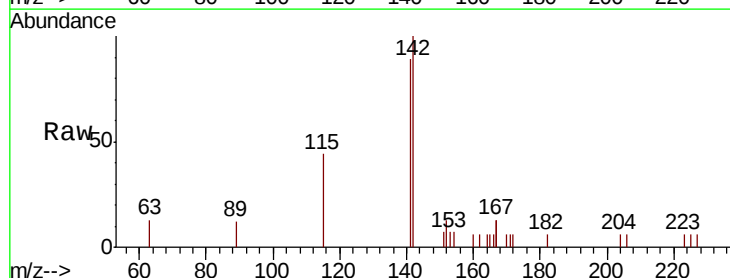
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#12
2-Methylnaphthalene
Concen: 0.341 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.00 min
Lab File: BE099980.D
Acq: 13 Jun 2019 9:22

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.3	72.3	108.5
115	44.2	36.4	54.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

BNA_E

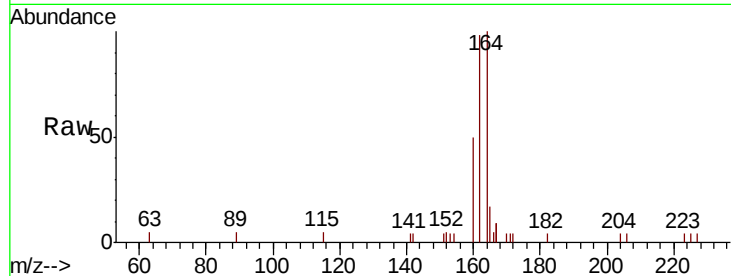
ClientSampleId :

PB120516BS

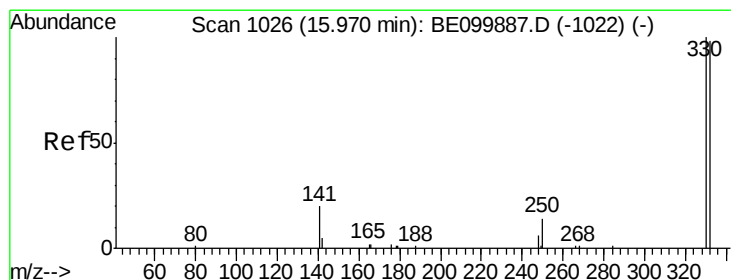
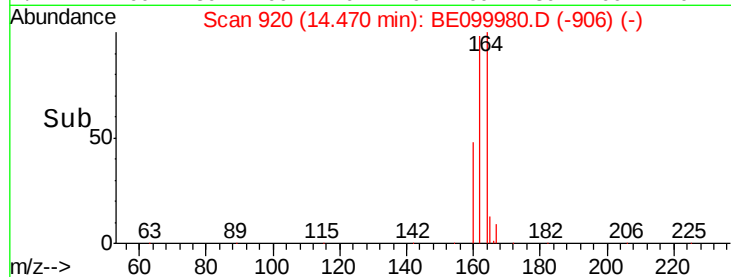
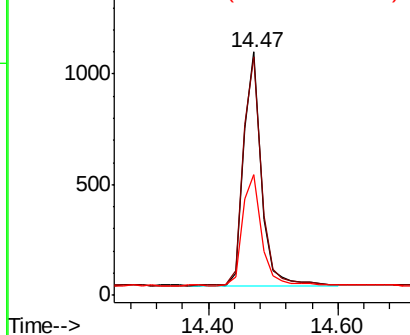
Tot Ion:	164	Resp:	1997
Ion	Ratio	Lower	Upper
164	100		
162	98.0	77.8	116.8
160	49.8	38.2	57.4

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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: 0.202 ng

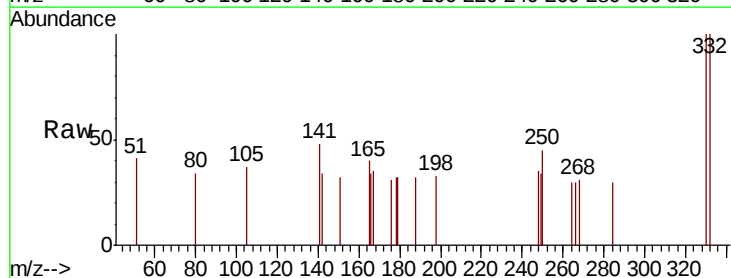
RT: 15.97 min Scan# 1026

Delta R.T. -0.00 min

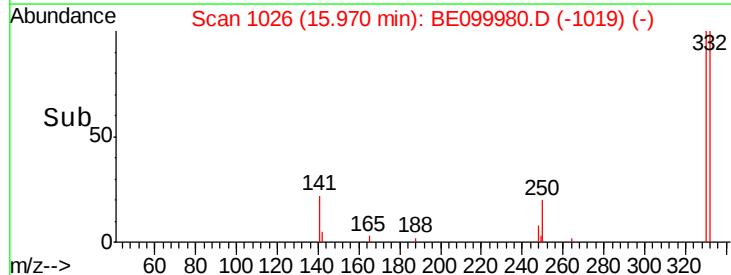
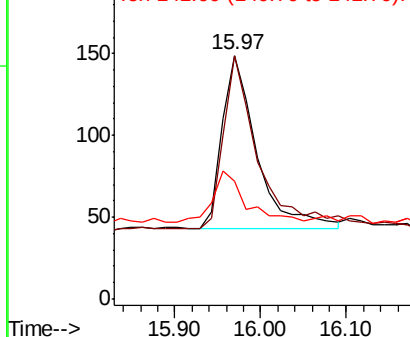
Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Tgt Ion:	330	Resp:	298
Ion	Ratio	Lower	Upper
330	100		
332	105.4	76.7	115.1
141	27.5	21.0	31.6



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





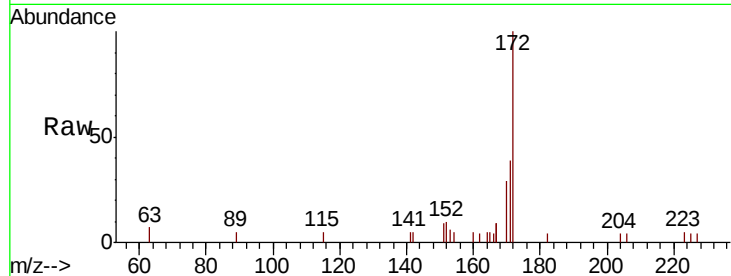
#15
2-Fluorobiphenyl
Concen: 0.338 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE099980.D
Acq: 13 Jun 2019 9:22

Instrument :
BNA_E
ClientSampled :
PB120516BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.4	29.2	43.8
170	29.0	21.2	31.8

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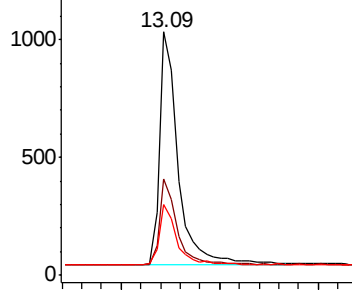


Abundance

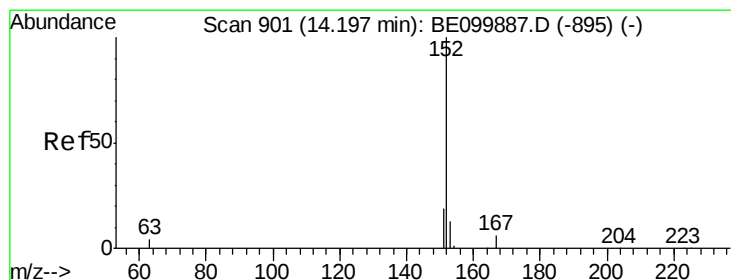
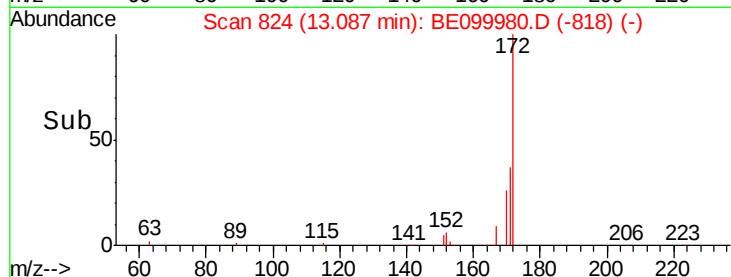
Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

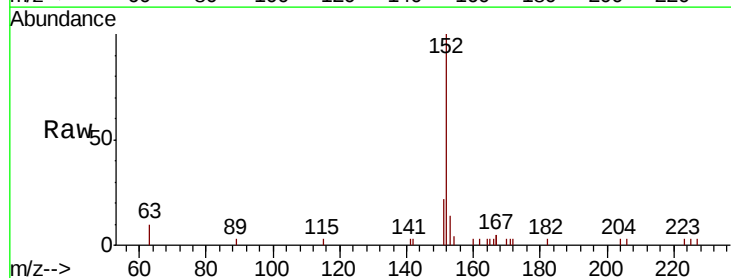


Time-->



#16
Acenaphthylene
Concen: 0.338 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE099980.D
Acq: 13 Jun 2019 9:22

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.5	23.3
153	12.6	10.2	15.2

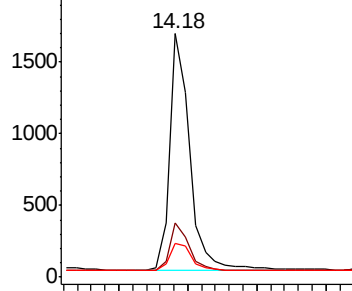


Abundance

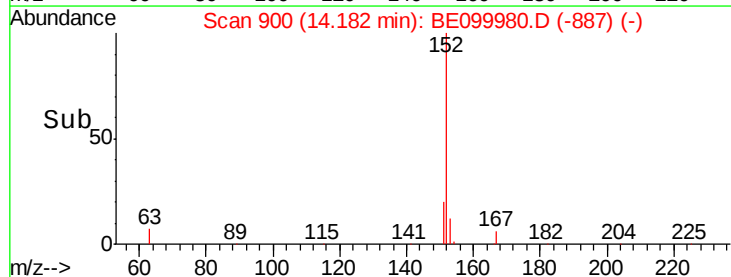
Ion 152.00 (151.70 to 152.70): E

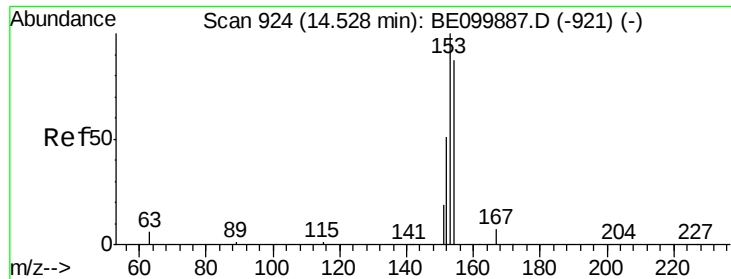
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->





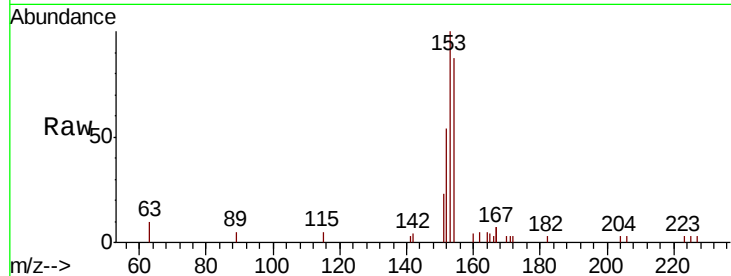
#17
Acenaphthene
Concen: 0.342 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE099980.D
Acq: 13 Jun 2019 9:22

Instrument :
BNA_E
ClientSampleId :
PB120516BS

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.2	93.1	139.7
152	60.2	47.0	70.4

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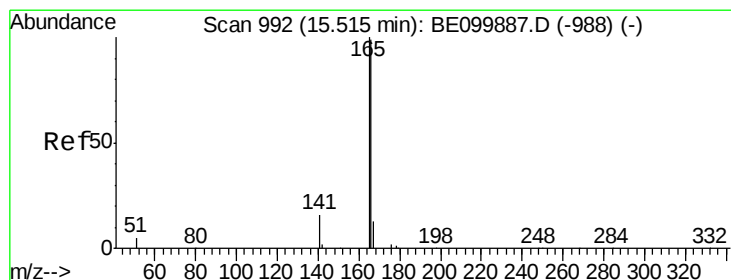
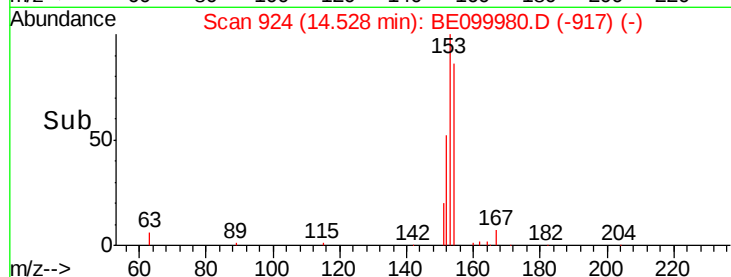
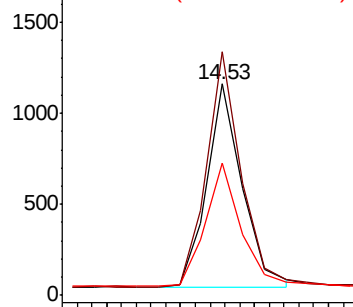


Abundance

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: 0.338 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE099980.D
Acq: 13 Jun 2019 9:22

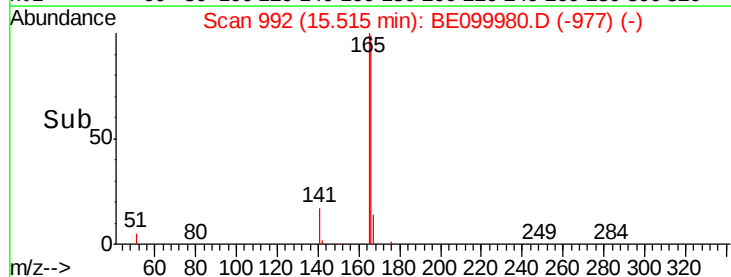
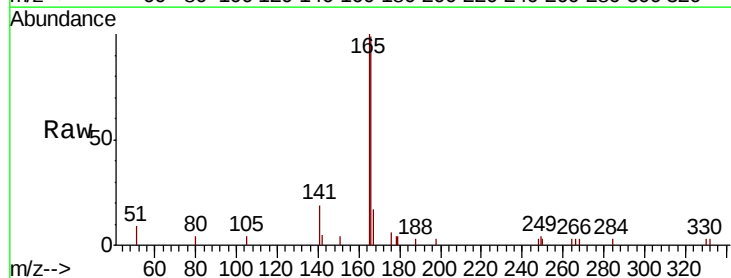
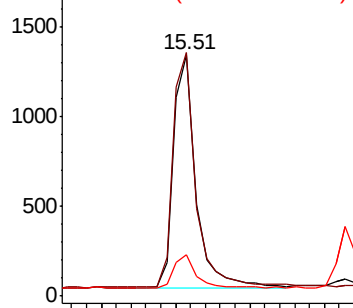
Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.2	81.8	122.8
167	13.9	11.2	16.8

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





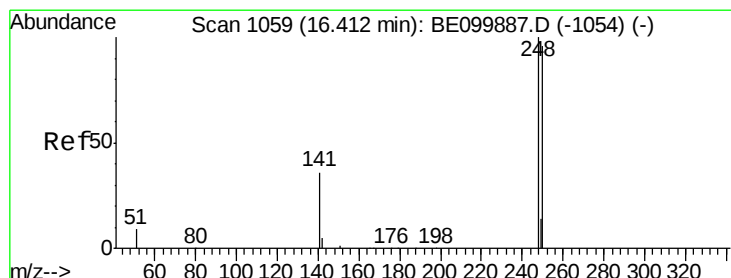
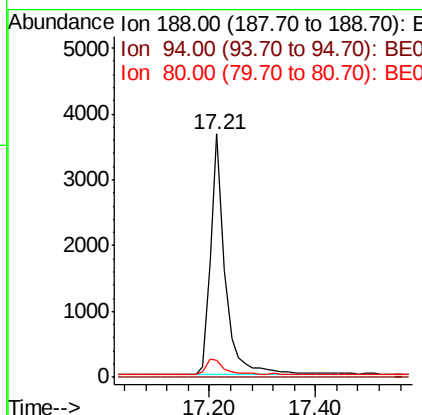
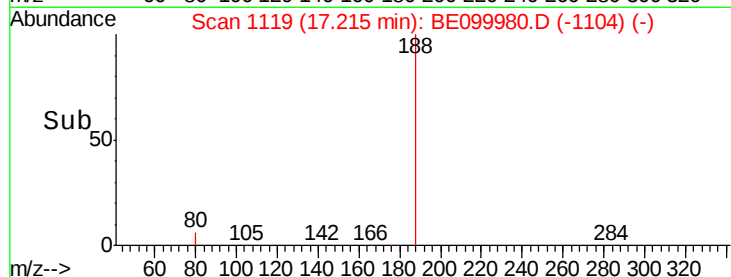
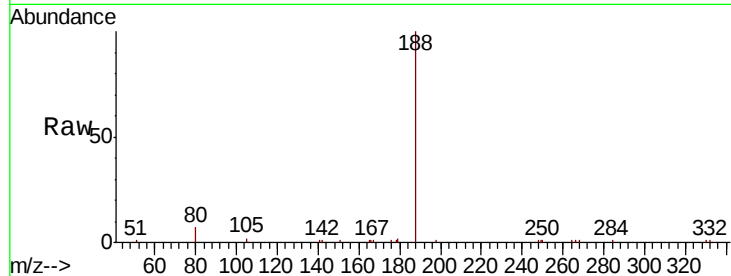
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BE099980.D
Acq: 13 Jun 2019 9:22

Instrument :
BNA_E
ClientSampleId :
PB120516BS

Tot Ion:	188	Resp:	6911
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.8	6.4	9.6

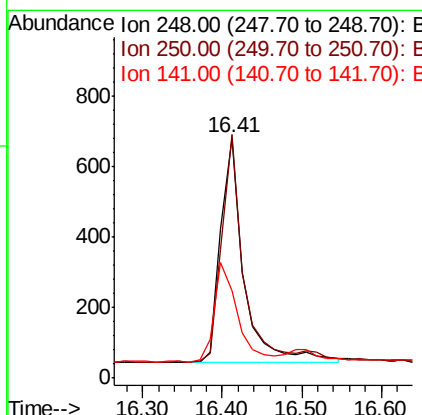
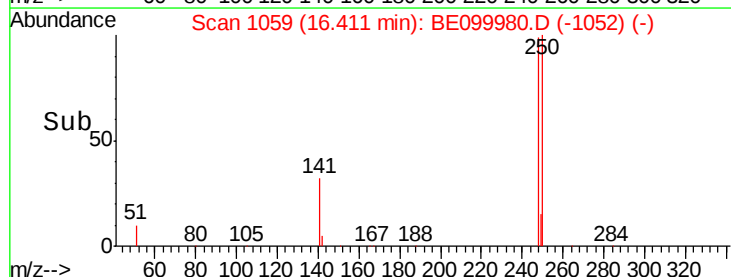
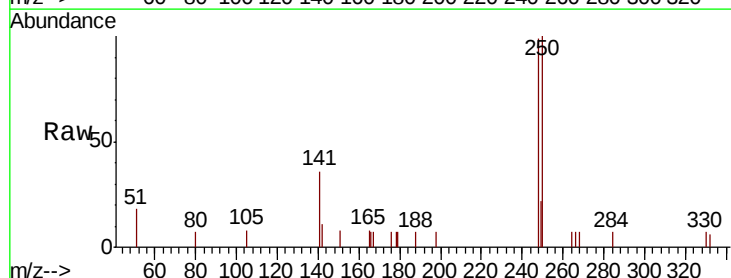
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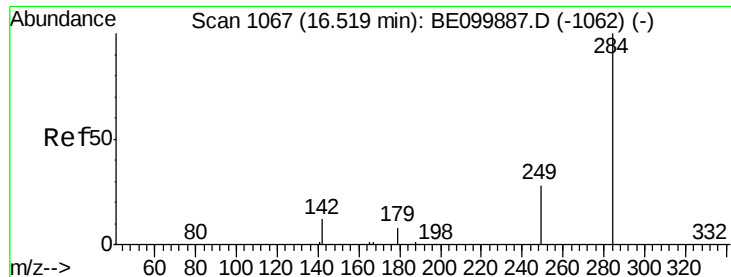
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#20
4-Bromophenyl-phenylether
Concen: 0.332 ng
RT: 16.41 min Scan# 1059
Delta R.T. -0.00 min
Lab File: BE099980.D
Acq: 13 Jun 2019 9:22

Tgt Ion:	248	Resp:	1300
Ion Ratio	Lower	Upper	
248	100		
250	101.3	77.5	116.3
141	36.6	31.8	47.8





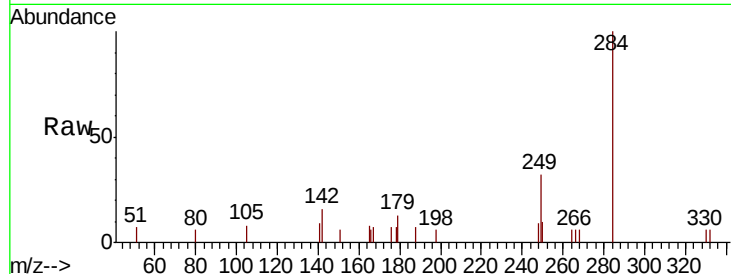
#21
Hexachlorobenzene
Concen: 0.339 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BE099980.D
Acq: 13 Jun 2019 9:22

Instrument :
BNA_E
ClientSampleId :
PB120516BS

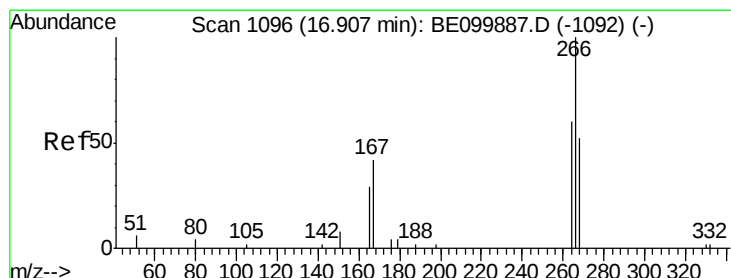
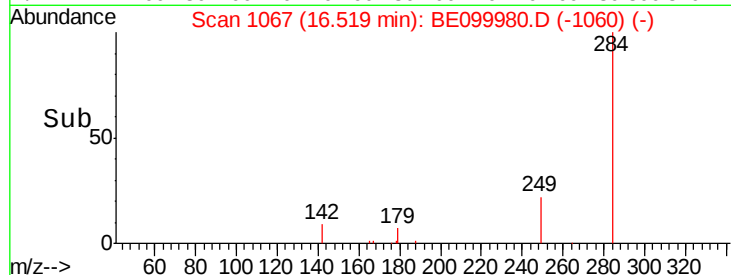
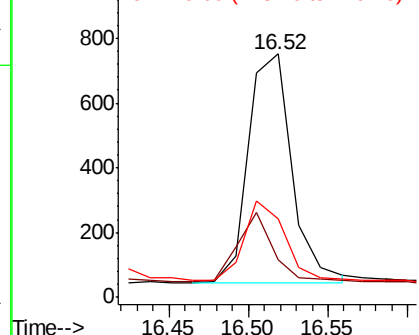
Tot Ion:	284	Resp:	1355
Ion Ratio	Lower	Upper	
284	100		
142	24.8	18.2	27.4
249	31.9	24.6	37.0

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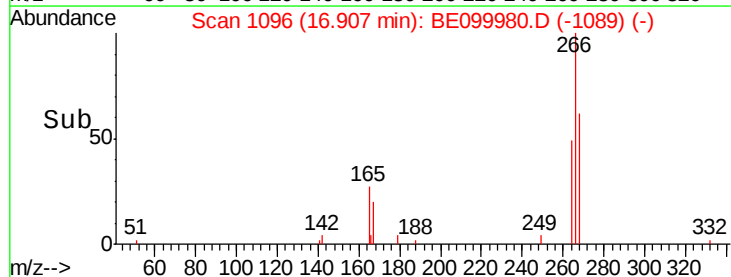
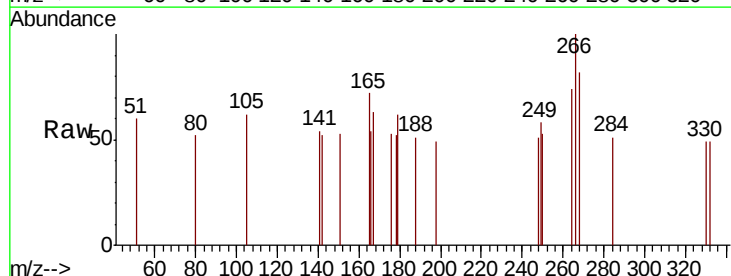
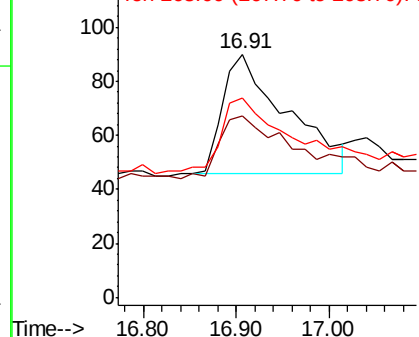
Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

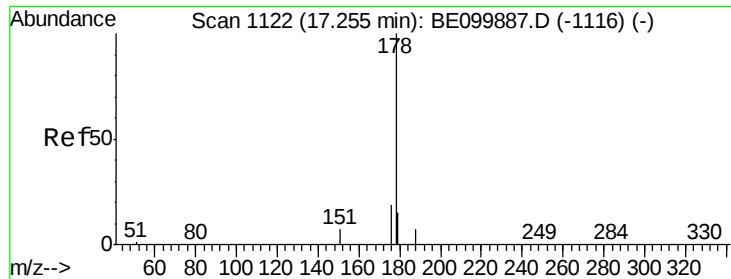


#22
Pentachlorophenol
Concen: 0.409 ng
RT: 16.91 min Scan# 1096
Delta R.T. -0.00 min
Lab File: BE099980.D
Acq: 13 Jun 2019 9:22

Tgt Ion:	266	Resp:	211
Ion Ratio	Lower	Upper	
266	100		
264	74.4	62.2	93.2
268	82.2	65.5	98.3

Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.342 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

BNA_E

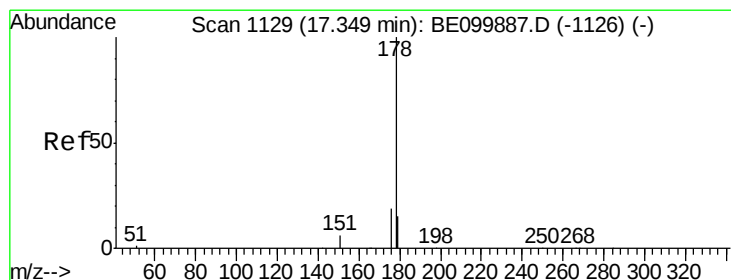
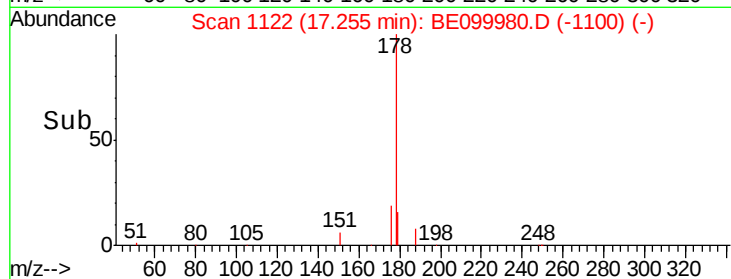
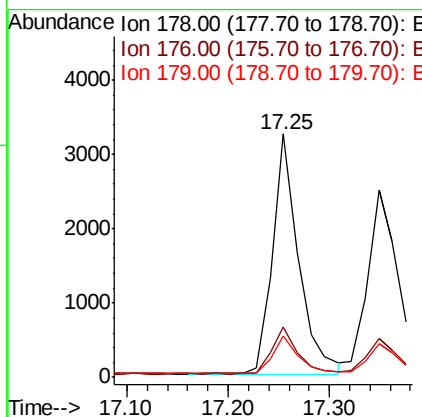
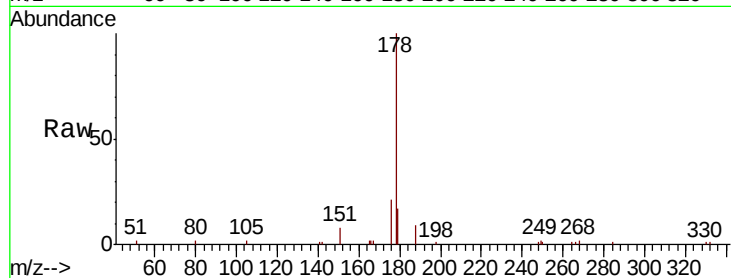
ClientSampleId :

PB120516BS

Tot Ion:178	Resp:	5739
Ion Ratio	Lower	Upper
178	100	
176	19.4	15.8 23.8
179	16.1	12.4 18.6

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#24

Anthracene

Concen: 0.321 ng

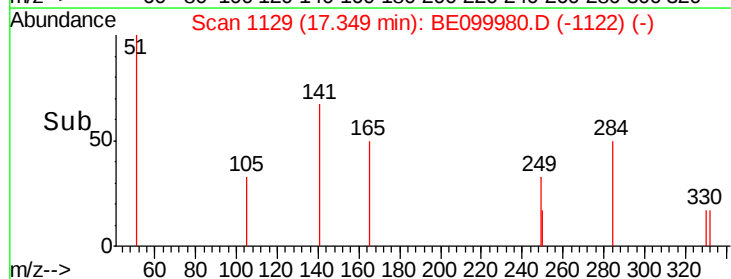
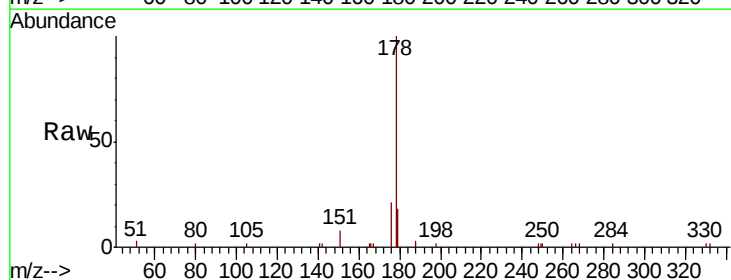
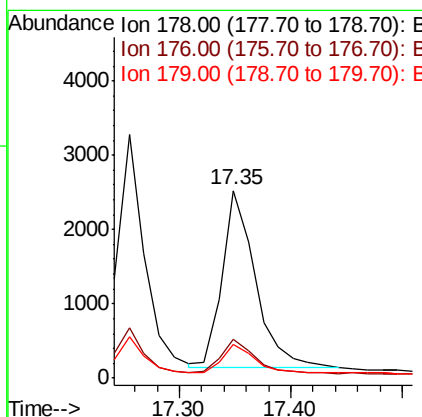
RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Tgt Ion:178	Resp:	4933
Ion Ratio	Lower	Upper
178	100	
176	19.4	14.6 22.0
179	16.2	12.3 18.5





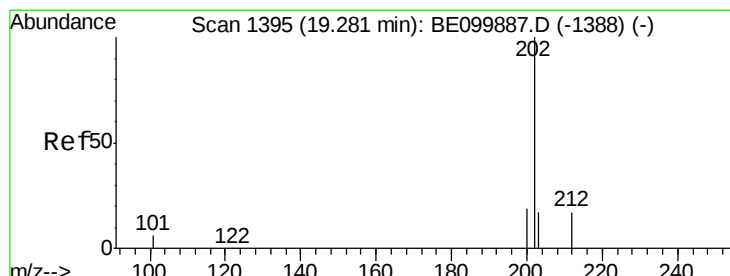
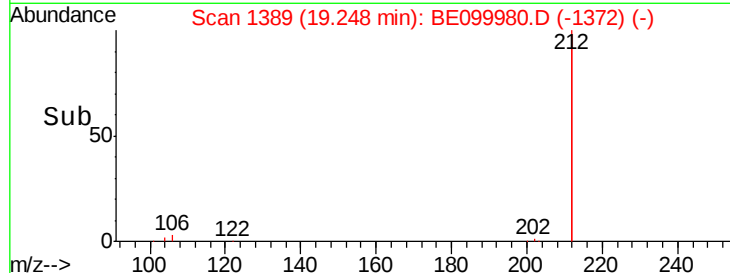
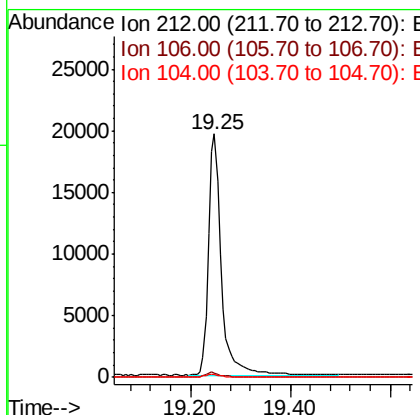
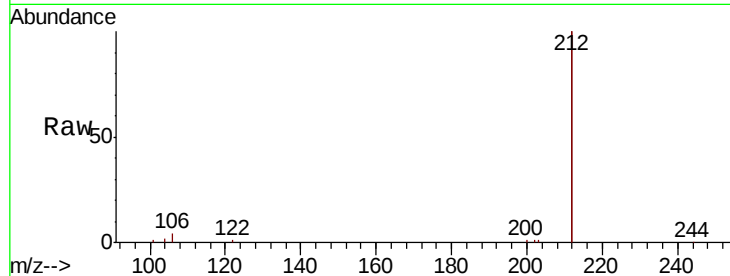
#25
 Fluoranthene-d10
 Concen: 0.348 ng
 RT: 19.25 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: BE099980.D
 Acq: 13 Jun 2019 9:22

Instrument :
 BNA_E
 ClientSampleId :
 PB120516BS

Tot Ion:	212	Resp:	35041
Ion Ratio	Lower	Upper	
212	100		
106	1.8	1.4	2.2
104	1.0	0.9	1.3

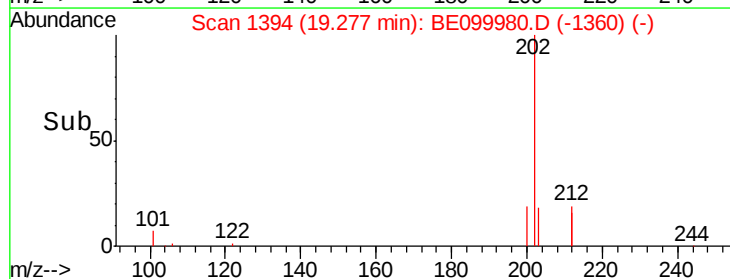
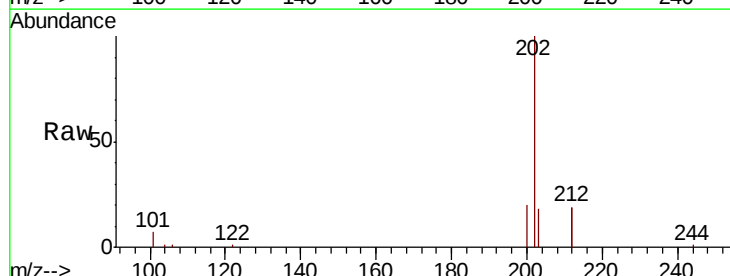
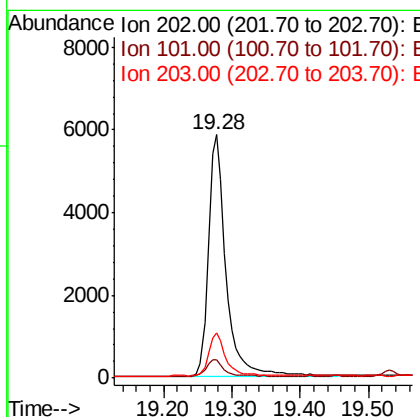
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#26
 Fluoranthene
 Concen: 0.366 ng
 RT: 19.28 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: BE099980.D
 Acq: 13 Jun 2019 9:22

Tgt Ion:	202	Resp:	10421
Ion Ratio	Lower	Upper	
202	100		
101	7.0	5.4	8.0
203	17.2	13.2	19.8





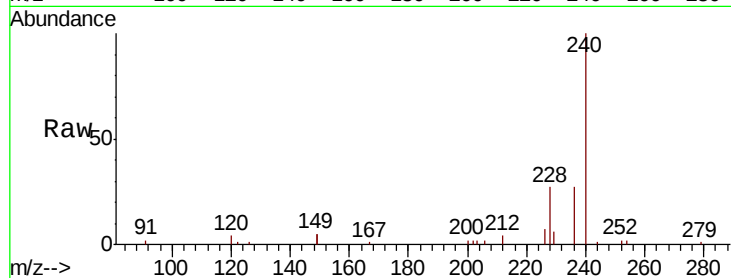
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE099980.D
Acq: 13 Jun 2019 9:22

Instrument :
BNA_E
ClientSampleId :
PB120516BS

Tot Ion	Ratio	Lower	Upper
240	100		
120	4.1	3.8	5.6
236	26.7	22.0	33.0

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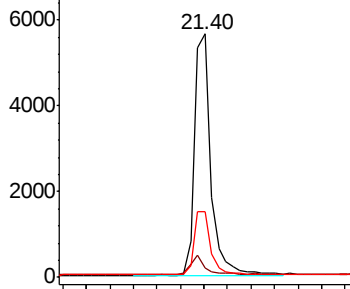


Abundance

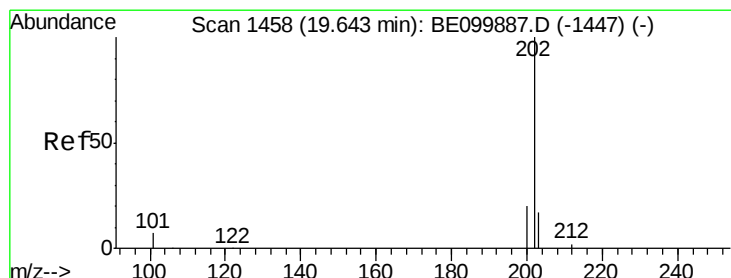
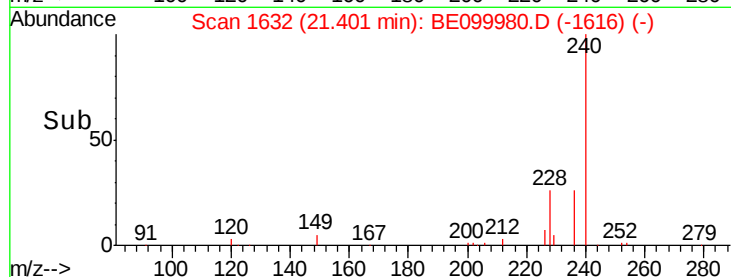
Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

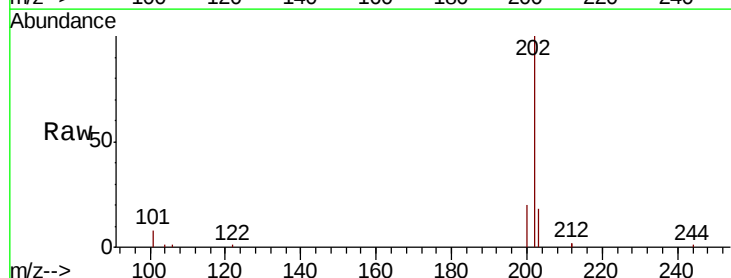


Time-->



#28
Pyrene
Concen: 0.386 ng
RT: 19.64 min Scan# 1457
Delta R.T. -0.00 min
Lab File: BE099980.D
Acq: 13 Jun 2019 9:22

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.1	15.5	23.3
203	17.9	14.0	21.0

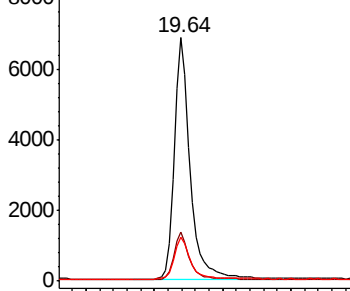


Abundance

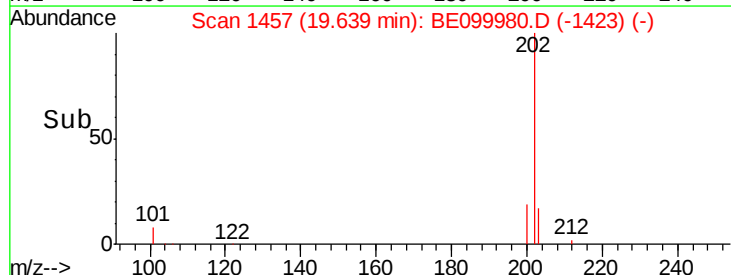
Ion 202.00 (201.70 to 202.70): E

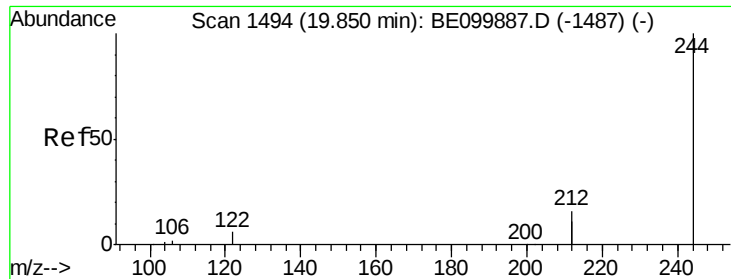
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





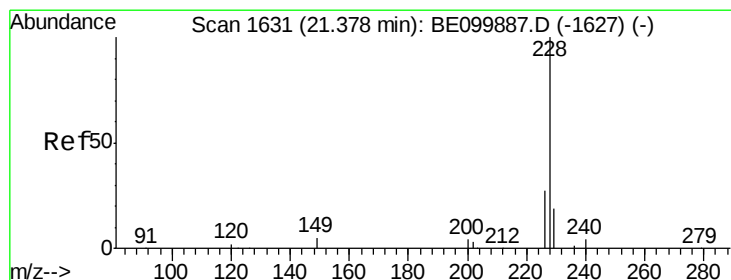
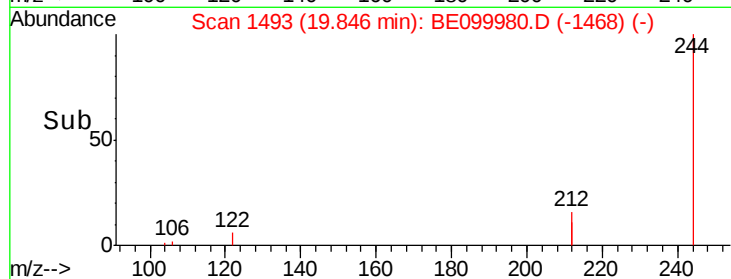
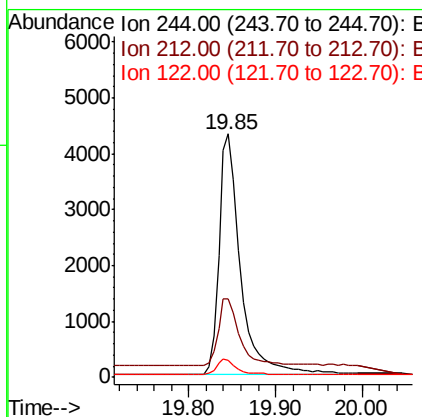
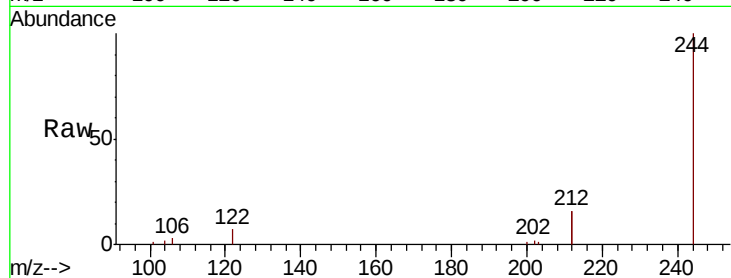
#29
 Terphenyl-d14
 Concen: 0.380 ng
 RT: 19.85 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: BE099980.D
 Acq: 13 Jun 2019 9:22

Instrument :
 BNA_E
 ClientSampleId :
 PB120516BS

Tot Ion	Ratio	Lower	Upper
244	100		
212	32.2	25.7	38.5
122	7.1	5.5	8.3

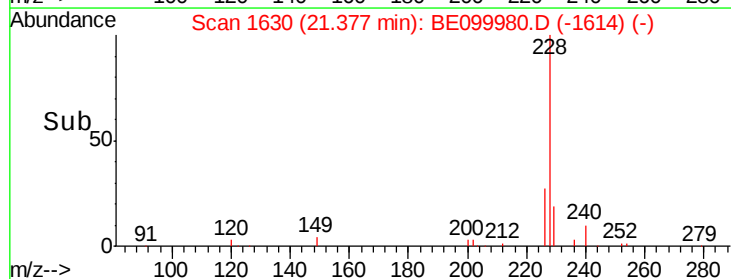
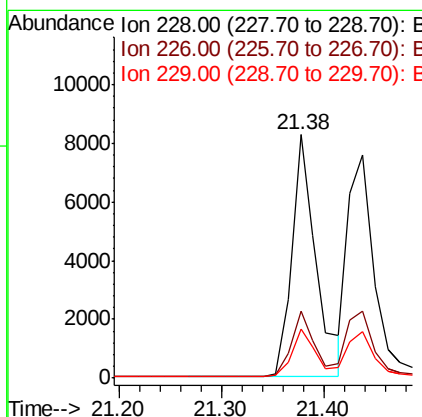
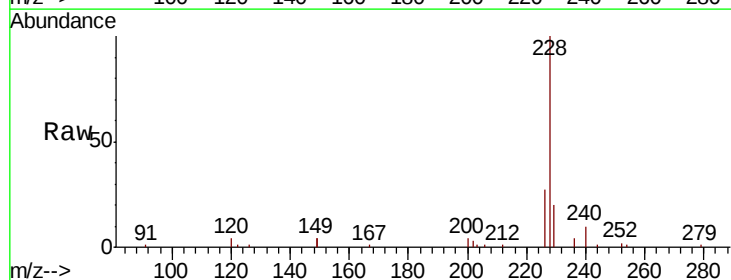
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#30
 Benzo(a)anthracene
 Concen: 0.413 ng
 RT: 21.38 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE099980.D
 Acq: 13 Jun 2019 9:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.5	33.7
229	20.0	15.9	23.9





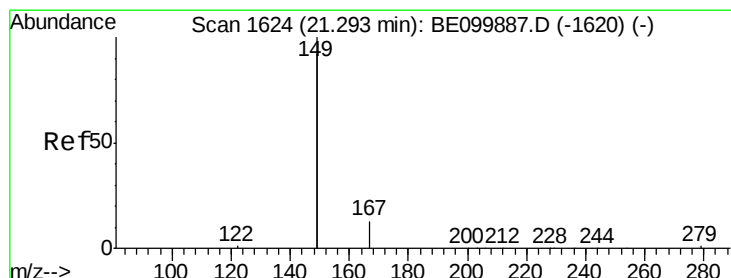
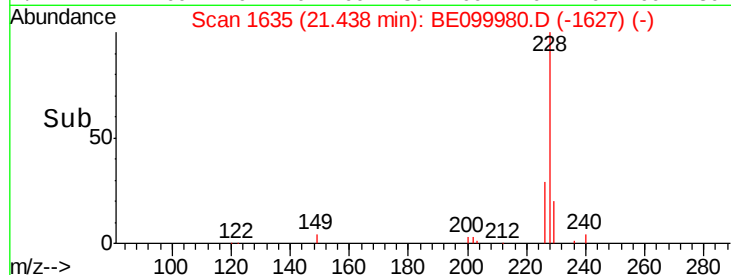
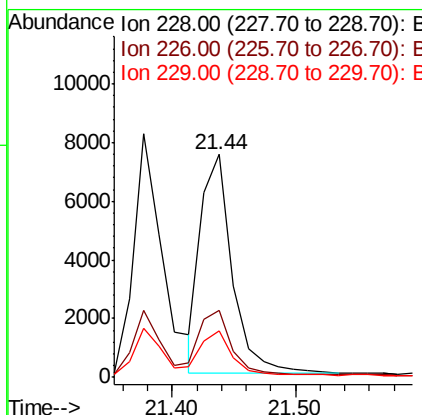
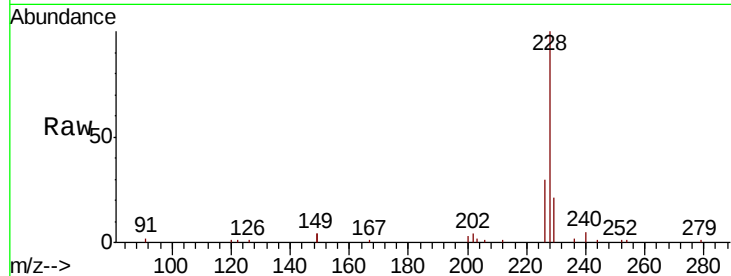
#31
Chrysene
Concen: 0.388 ng
RT: 21.44 min Scan# 1635
Delta R.T. -0.00 min
Lab File: BE099980.D
Acq: 13 Jun 2019 9:22

Instrument :
BNA_E
ClientSampled :
PB120516BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.1	36.1
229	20.6	16.1	24.1

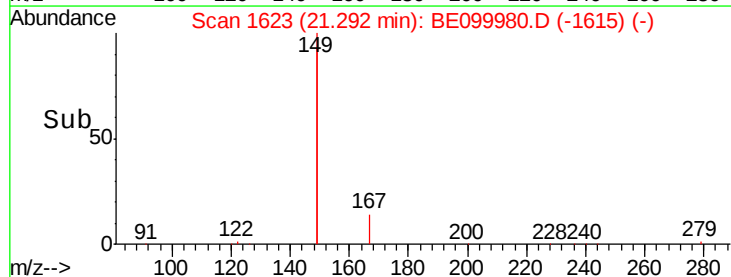
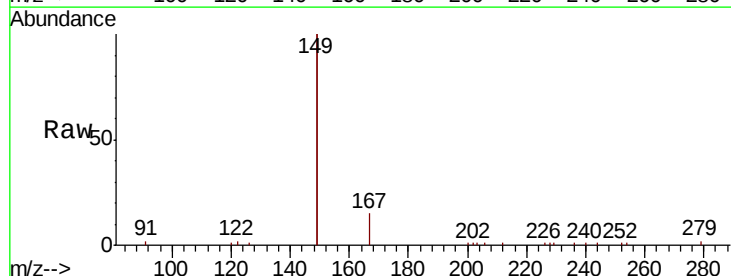
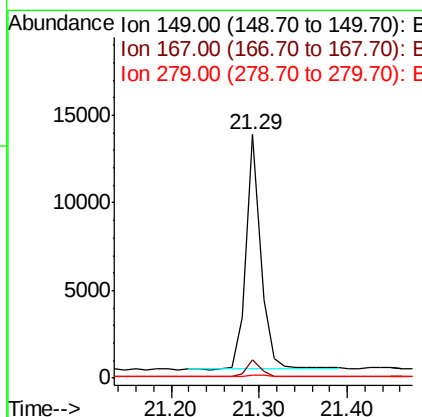
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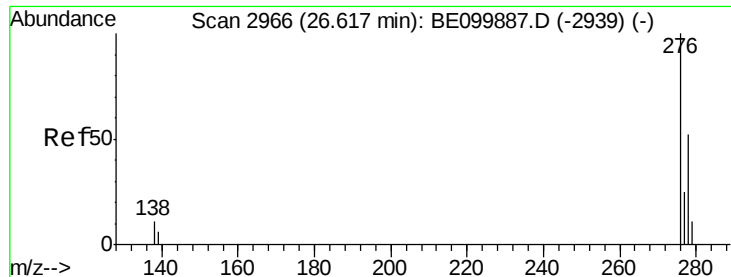
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#32
Bis(2-ethylhexyl)phthalate
Concen: 0.336 ng
RT: 21.29 min Scan# 1623
Delta R.T. -0.00 min
Lab File: BE099980.D
Acq: 13 Jun 2019 9:22

Tgt Ion	Ratio	Lower	Upper
149	100		
167	7.1	5.9	8.9
279	1.2	1.2	1.8





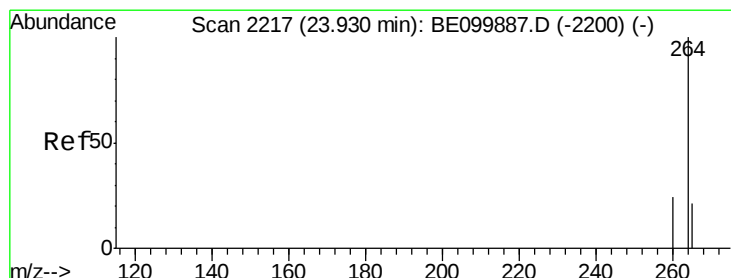
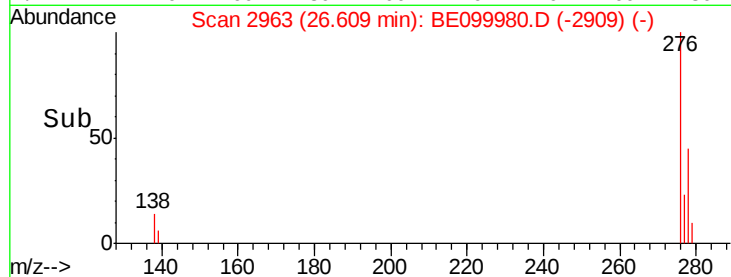
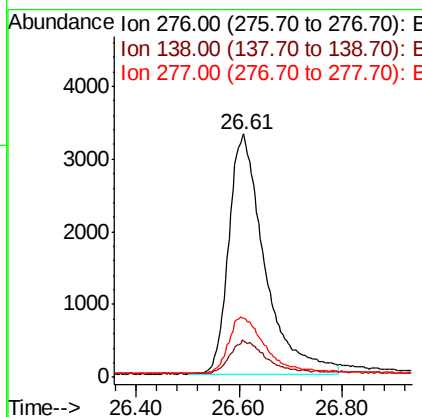
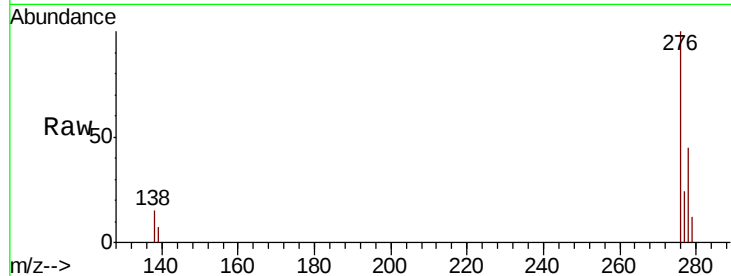
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.396 ng
 RT: 26.61 min Scan# 2963
 Delta R.T. -0.01 min
 Lab File: BE099980.D
 Acq: 13 Jun 2019 9:22

Instrument :
 BNA_E
 ClientSampleId :
 PB120516BS

Tot Ion:276	Resp:	15911
Ion Ratio	Lower	Upper
276 100		
138 13.7	10.1	15.1
277 23.3	19.1	28.7

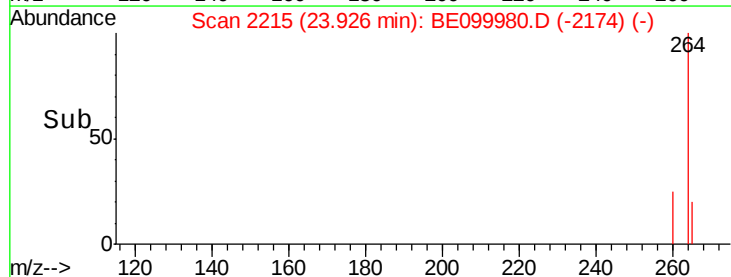
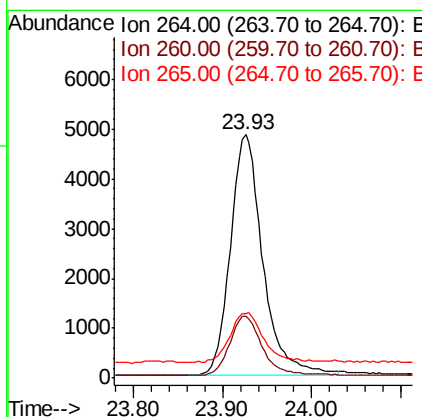
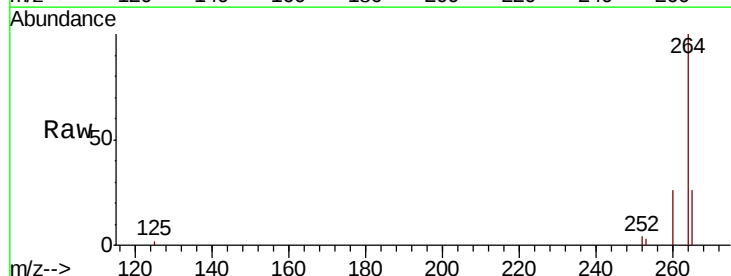
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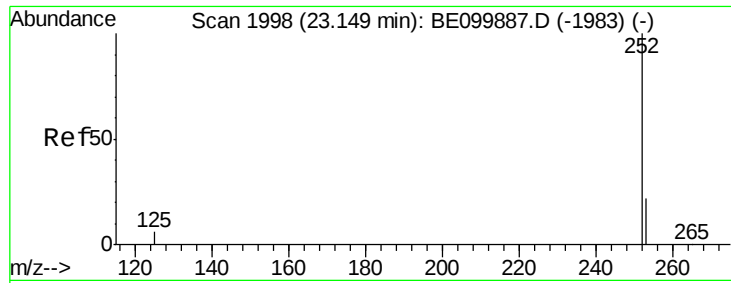
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.93 min Scan# 2215
 Delta R.T. -0.00 min
 Lab File: BE099980.D
 Acq: 13 Jun 2019 9:22

Tgt Ion:264	Resp:	12273
Ion Ratio	Lower	Upper
264 100		
260 25.5	20.2	30.2
265 26.2	22.0	33.0





#35

Benzo(b)fluoranthene

Concen: 0.386 ng/mL

RT: 23.15 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

BNA_E

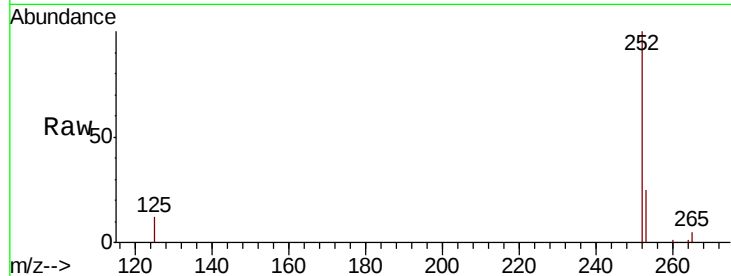
ClientSampleId :

PB120516BS

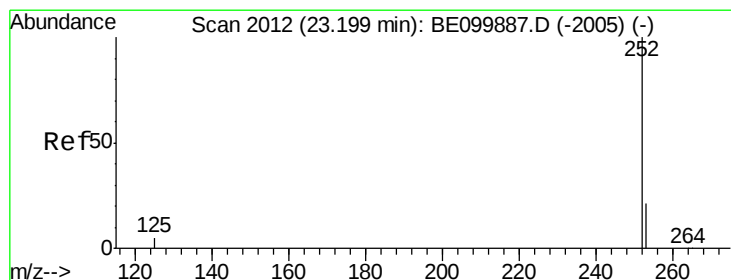
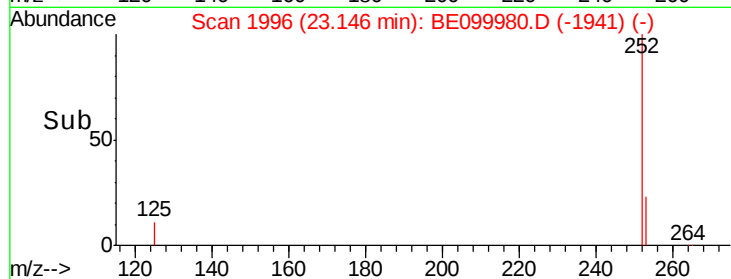
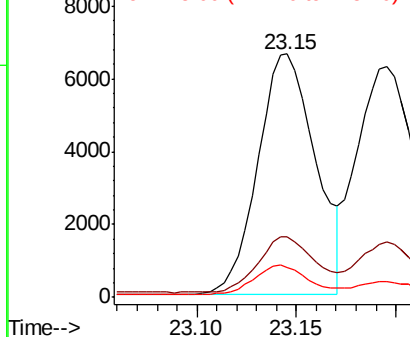
Tot Ion:	252	Resp:	13265
Ion Ratio	Lower	Upper	
252	100		
253	24.9	18.7	28.1
125	12.1	5.7	8.5#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.409 ng/mL

RT: 23.20 min Scan# 2010

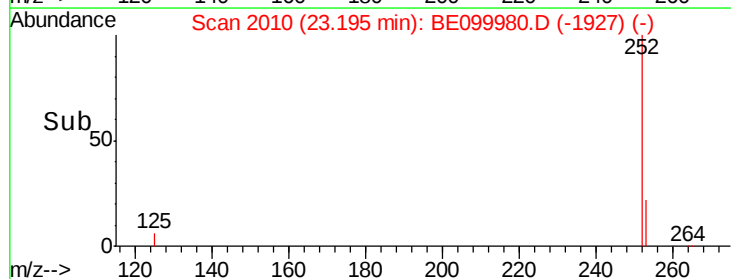
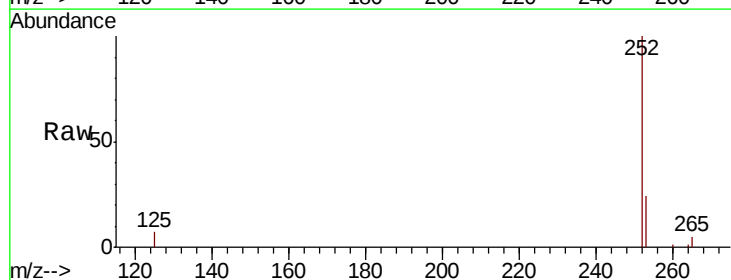
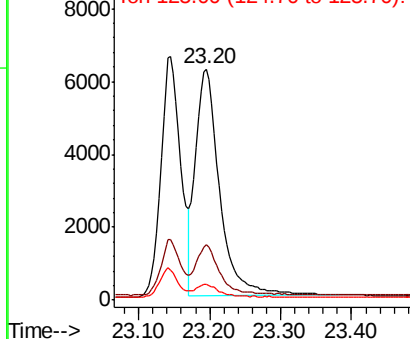
Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Tgt Ion:	252	Resp:	14726
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.6	28.0
125	7.0	5.4	8.0

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.398 ng

RT: 23.81 min Scan# 2183

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

BNA_E

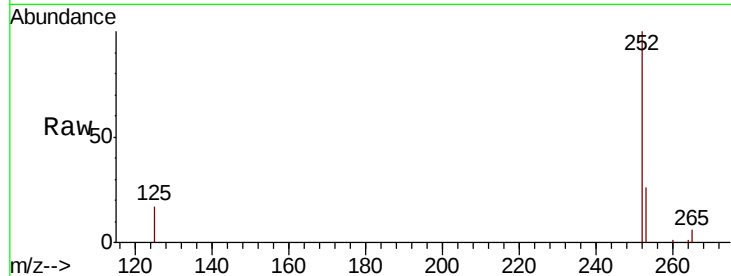
ClientSampleId :

PB120516BS

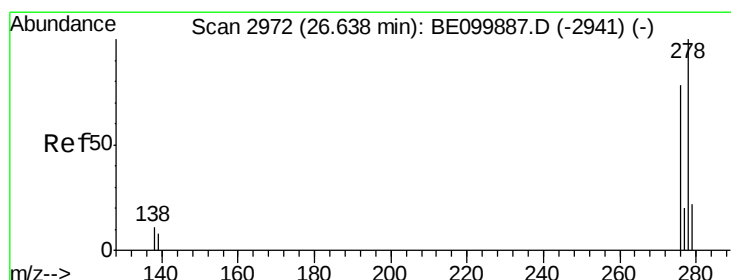
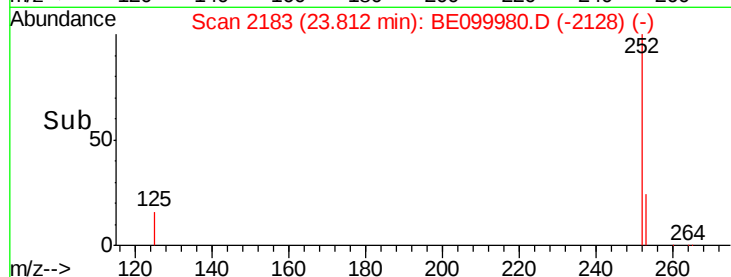
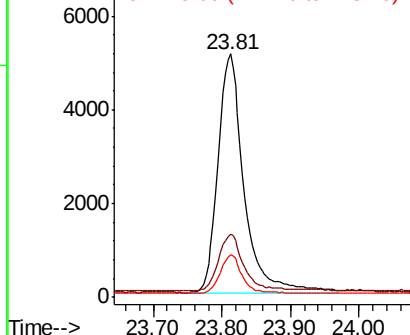
Tot Ion:	252	Resp:	13498
Ion Ratio	Lower	Upper	
252	100		
253	26.1	19.6	29.4
125	17.4	6.6	10.0#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.373 ng

RT: 26.64 min Scan# 2971

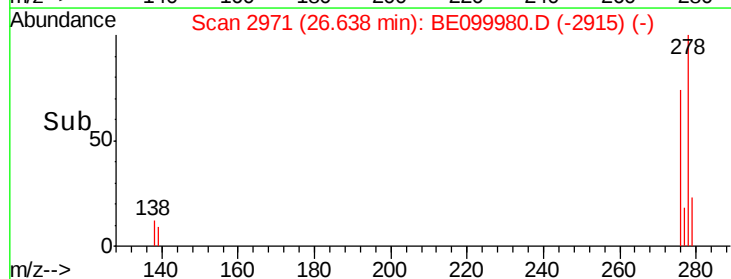
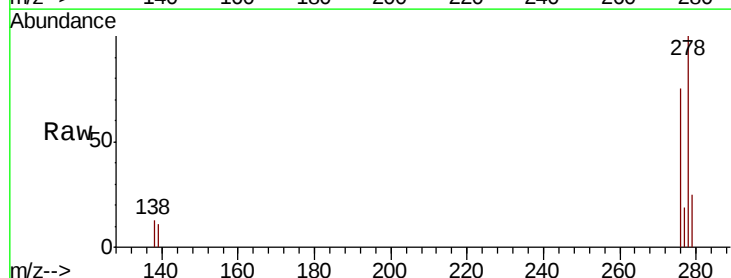
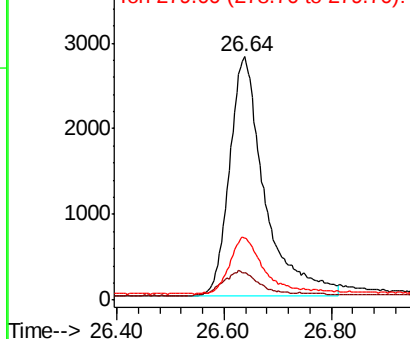
Delta R.T. -0.00 min

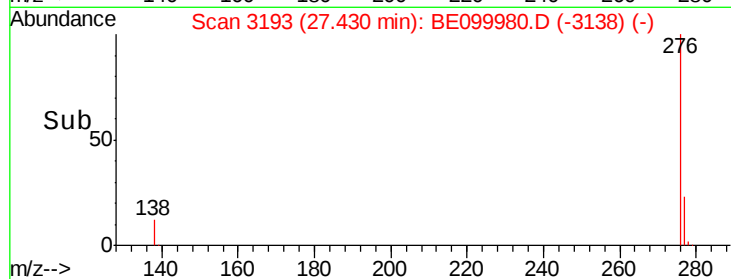
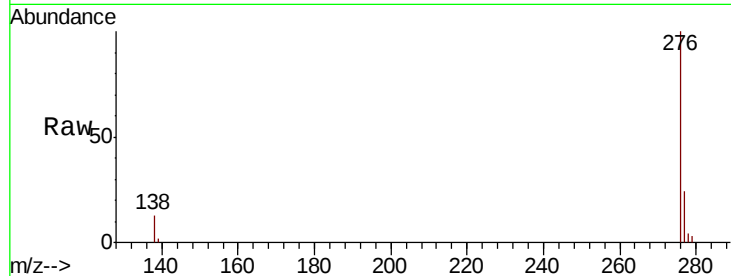
Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Tgt Ion:	278	Resp:	12716
Ion Ratio	Lower	Upper	
278	100		
139	11.2	7.8	11.8
279	25.4	20.0	30.0

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.387 ng

RT: 27.43 min Scan# 3193

Delta R.T. -0.00 min

Lab File: BE099980.D

Acq: 13 Jun 2019 9:22

Instrument :

BNA_E

ClientSampleId :

PB120516BS

Tot Ion:	276	Resp:	13661
Ion Ratio	Lower	Upper	
276	100		
277	24.1	19.5	29.3
138	13.1	9.5	14.3

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