

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052419\
 Data File : BE099747.D
 Acq On : 24 May 2019 17:57
 Operator : JU/SJ
 Sample : PB120039BS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB120039BS

Manual Integrations
 APPROVED

mohammad
 5/27/2019 4:01:30 AM

Quant Time: May 24 21:59:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 19:29:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1246	0.40	ng	-0.02
7) Naphthalene-d8	10.60	136	4272	0.40	ng	-0.01
13) Acenaphthene-d10	14.47	164	2827	0.40	ng	-0.02
19) Phenanthrene-d10	17.21	188	8262	0.40	ng	-0.01
27) Chrysene-d12	21.40	240	14078	0.40	ng	-0.01
34) Perylene-d12	23.94	264	17454	0.40	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	1496	0.48	ng	0.00
5) Phenol-d6	6.97	99	1828	0.44	ng	0.00
8) Nitrobenzene-d5	8.96	82	1634	0.44	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	2870m	0.39	ng	-0.02
14) 2,4,6-Tribromophenol	15.97	330	749	0.48	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	4553	0.42	ng	0.00
25) Fluoranthene-d10	19.25	212	45855	0.41	ng	-0.01
29) Terphenyl-d14	19.85	244	10571	0.42	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.29	88	520	0.282	ng	# 82
3) n-Nitrosodimethylamine	3.60	42	564	0.554	ng	# 91
6) bis(2-Chloroethyl)ether	7.22	93	1466	0.395	ng	100
9) Naphthalene	10.65	128	18249	0.399	ng	100
10) Hexachlorobutadiene	10.94	225	1344	0.400	ng	96
12) 2-Methylnaphthalene	12.28	142	2979	0.400	ng	98
16) Acenaphthylene	14.20	152	5324	0.404	ng	100
17) Acenaphthene	14.54	154	2916	0.394	ng	97
18) Fluorene	15.51	166	4322	0.397	ng	98
20) 4-Bromophenyl-phenylether	16.41	248	1850	0.388	ng	# 90
21) Hexachlorobenzene	16.52	284	1904	0.391	ng	97
22) Pentachlorophenol	16.88	266	1741	1.221	ng	93
23) Phenanthrene	17.27	178	7933	0.393	ng	100
24) Anthracene	17.35	178	7202	0.393	ng	98
26) Fluoranthene	19.29	202	12856	0.403	ng	100
28) Pyrene	19.65	202	13496	0.382	ng	99
30) Benzo(a)anthracene	21.39	228	18849	0.471	ng	99
31) Chrysene	21.44	228	19052	0.445	ng	99
32) Bis(2-ethylhexyl)phthalate	21.31	149	23744	0.515	ng	99
33) Indeno(1,2,3-cd)pyrene	26.63	276	24162	0.468	ng	98
35) Benzo(b)fluoranthene	23.16	252	19490	0.408	ng	98
36) Benzo(k)fluoranthene	23.21	252	20618	0.414	ng	99
37) Benzo(a)pyrene	23.82	252	19919	0.433	ng	98
38) Dibenzo(a,h)anthracene	26.66	278	20082	0.416	ng	98
39) Benzo(g,h,i)perylene	27.45	276	20655	0.423	ng	98

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

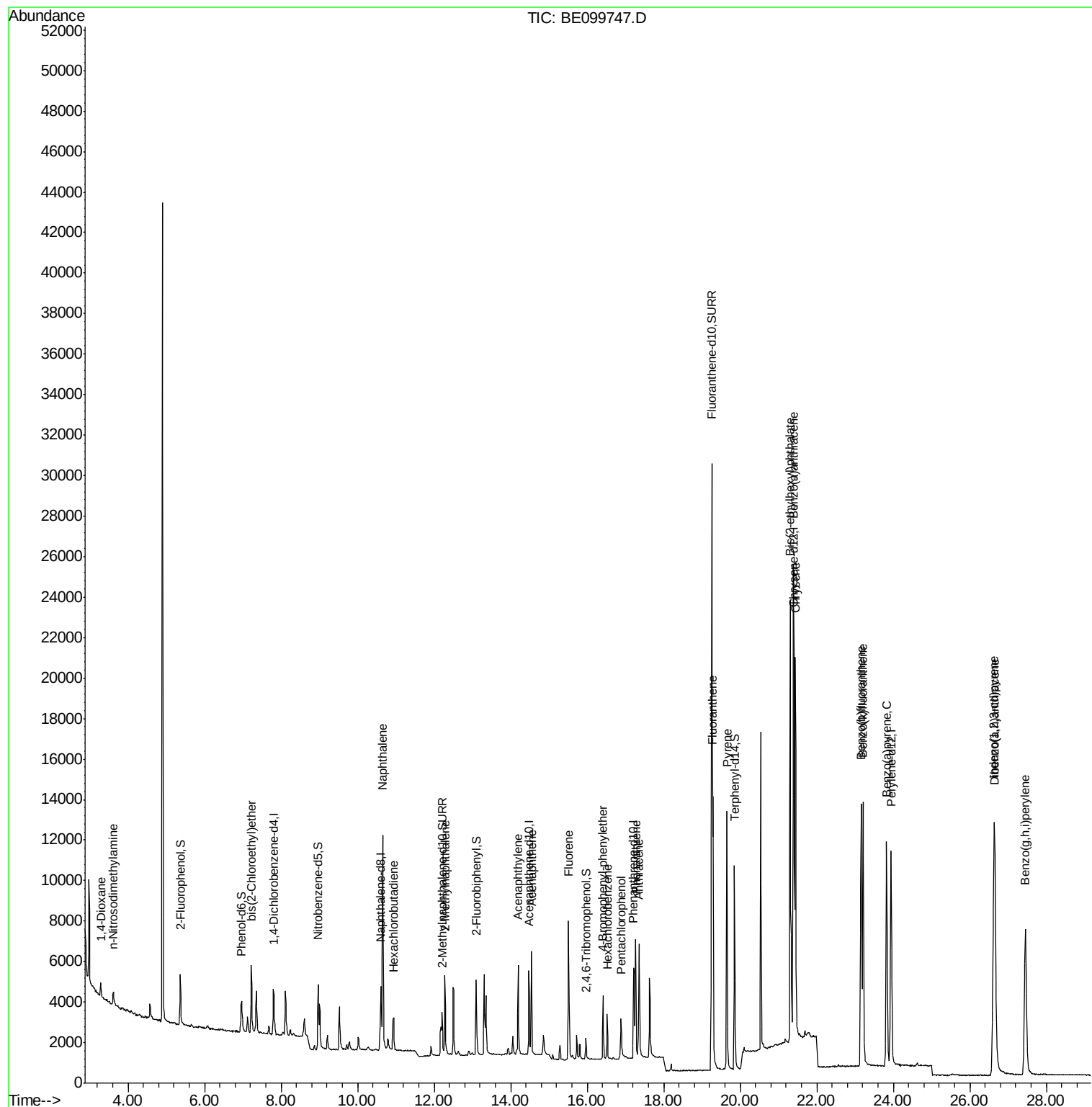
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052419\
Data File : BE099747.D
Acq On : 24 May 2019 17:57
Operator : JU/SJ
Sample : PB120039BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

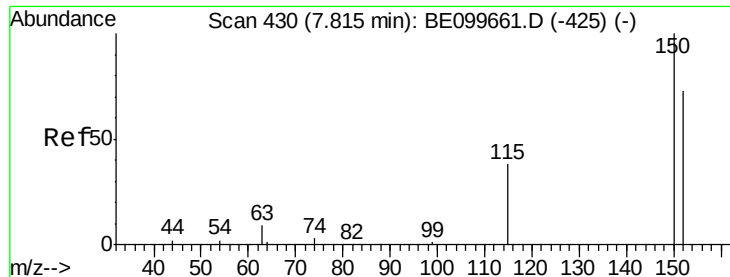
Instrument :
BNA_E
ClientSampleId :
PB120039BS

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 20 19:29:40 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 428

Delta R.T. -0.02 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

BNA_E

ClientSampled :

PB120039BS

Tot Ion:152 Resp: 1246

Ion Ratio Lower Upper

152 100

150 147.0 109.2 163.8

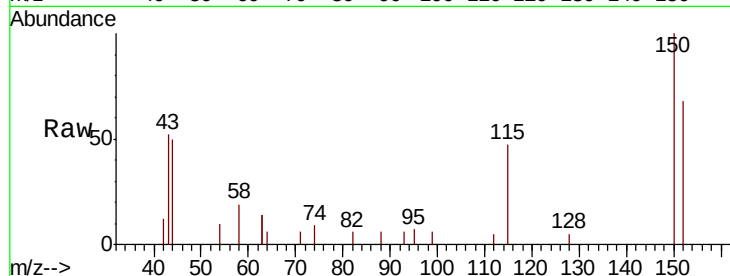
115 68.7 43.7 65.5#

Manual Integrations

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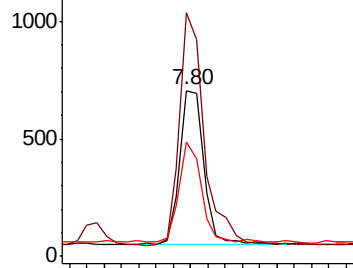
5/27/2019 4:01:30 AM



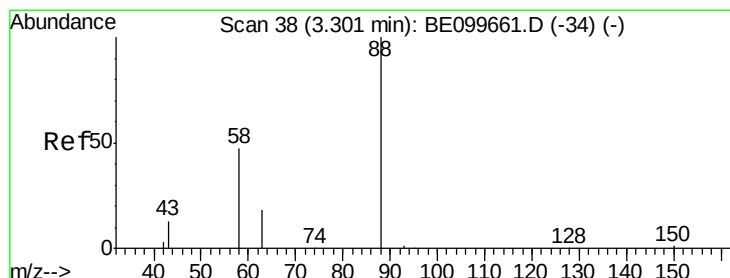
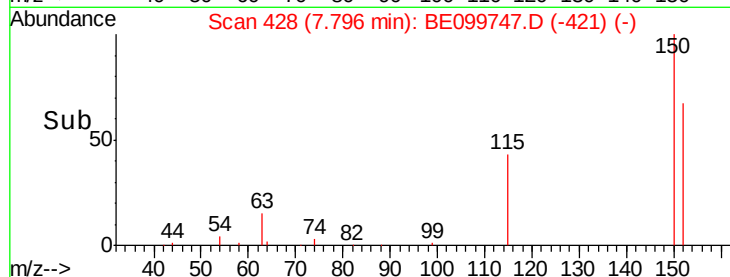
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#2

1,4-Dioxane

Concen: 0.282 ng

RT: 3.29 min Scan# 37

Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

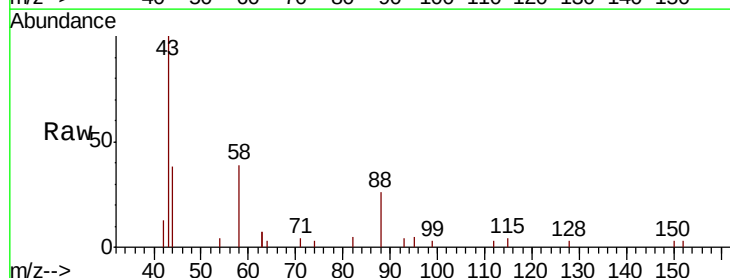
Tgt Ion: 88 Resp: 520

Ion Ratio Lower Upper

88 100

58 58.7 41.8 62.8

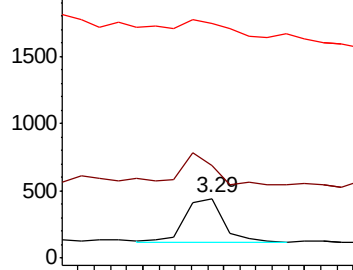
43 0.0 15.0 22.4#



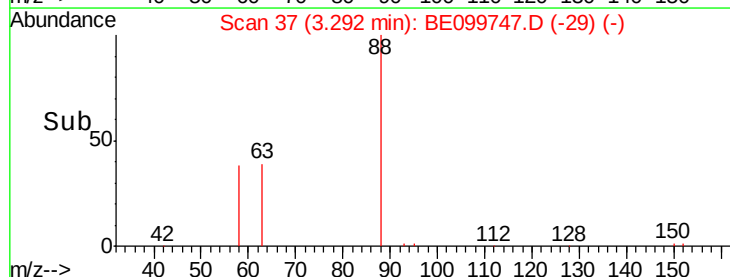
Abundance Ion 88.00 (87.70 to 88.70): BE0

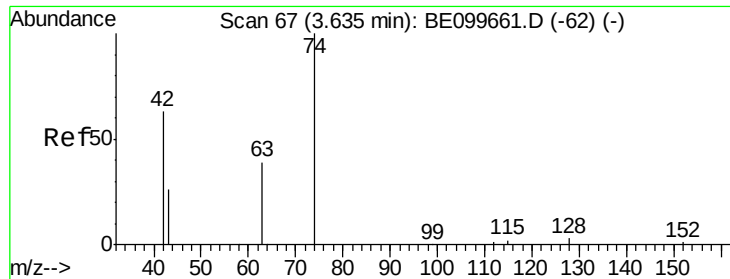
Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



Time-->





#3

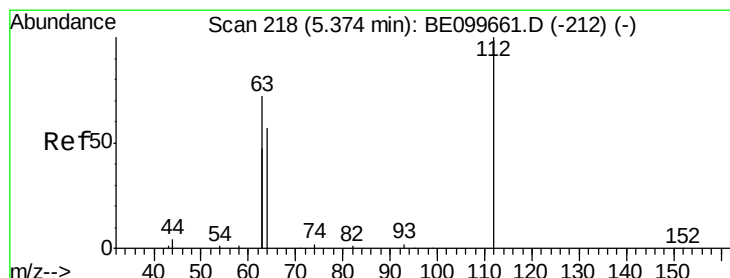
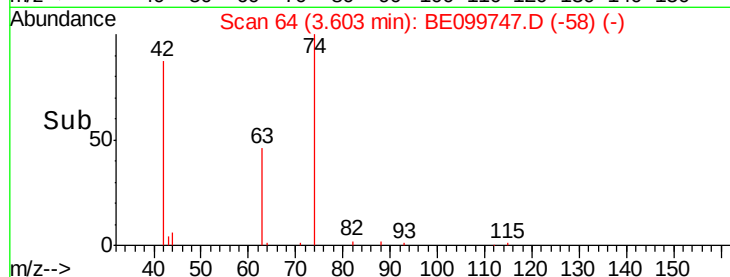
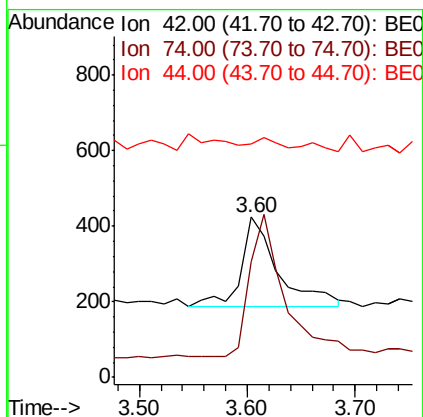
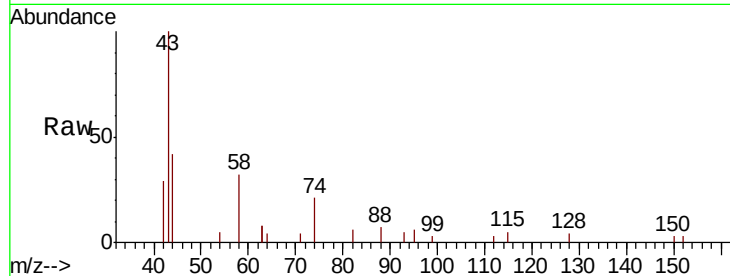
n-Nitrosodimethylamine
Concen: 0.554 ng
RT: 3.60 min Scan# 64
Delta R.T. -0.03 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tot Ion	Ratio	Lower	Upper
42	100		
74	149.3	129.2	193.8
44	5.0	0.0	0.0#

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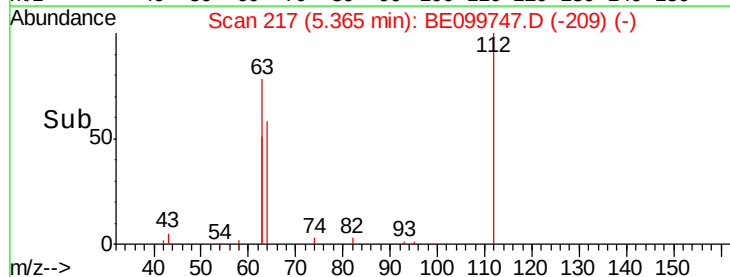
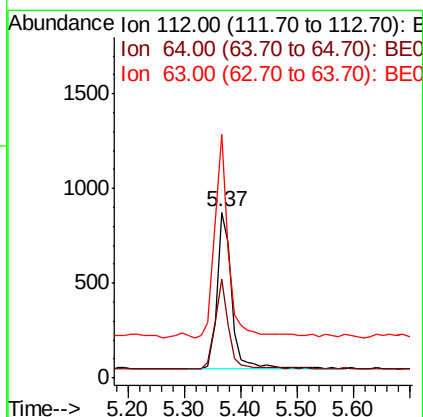
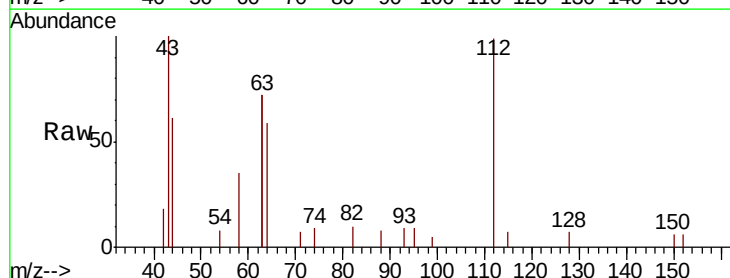
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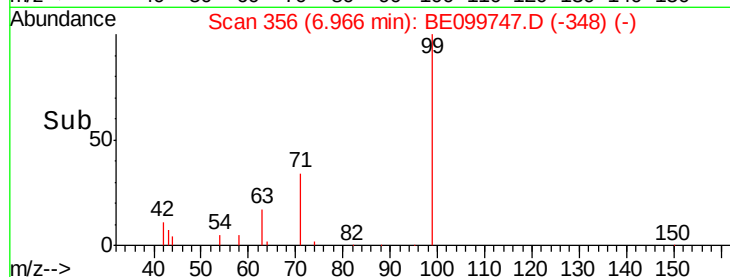
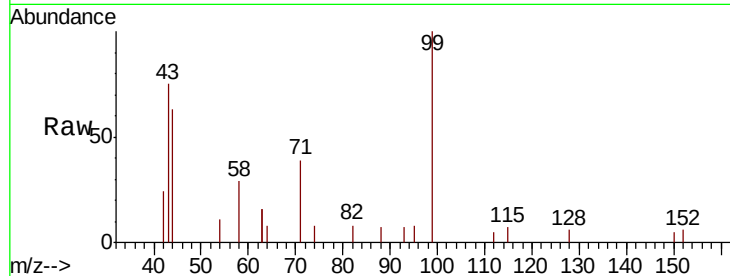
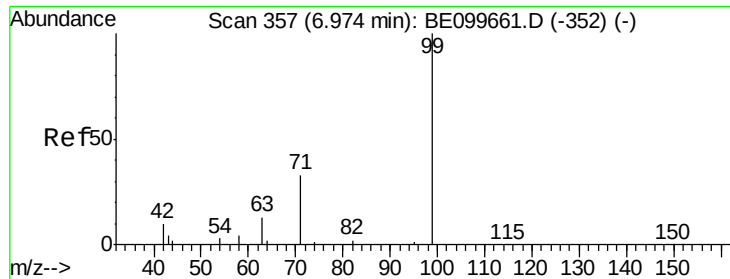


#4

2-Fluorophenol
Concen: 0.475 ng
RT: 5.37 min Scan# 217
Delta R.T. -0.01 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.1	43.4	65.2
63	117.3	96.9	145.3





#5

Phenol-d6

Concen: 0.439 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Tot Ion:	99	Resp:	1828
Ion	Ratio	Lower	Upper
99	100		
42	19.7	12.2	18.2#
71	37.5	28.9	43.3

Instrument :

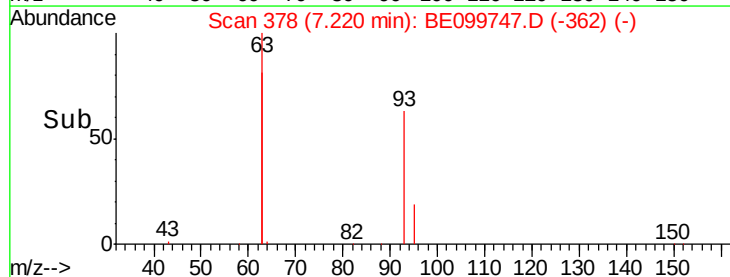
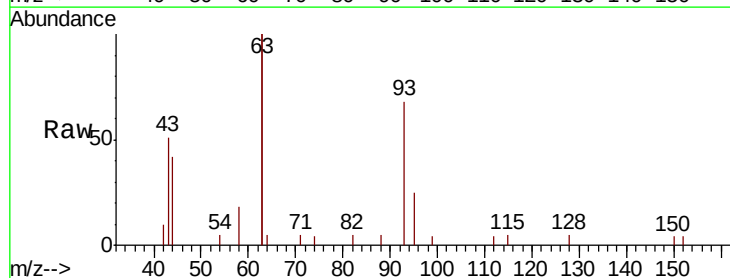
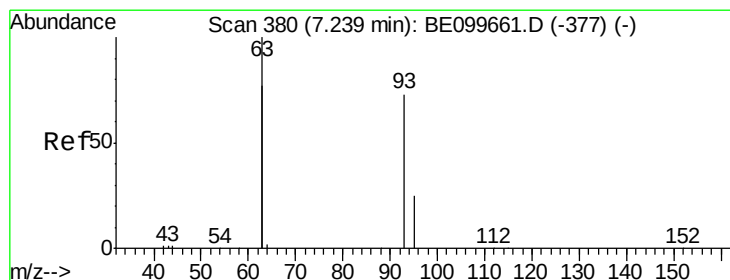
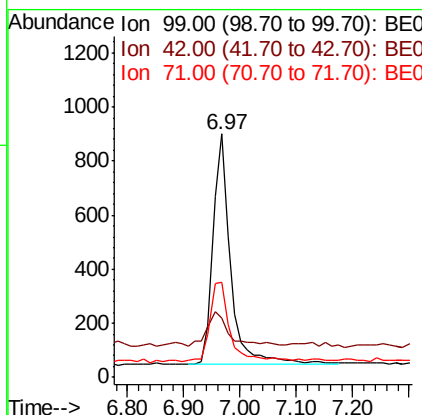
BNA_E

ClientSampleId :

PB120039BS

Manual Integrations
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#6

bis(2-Chloroethyl)ether

Concen: 0.395 ng

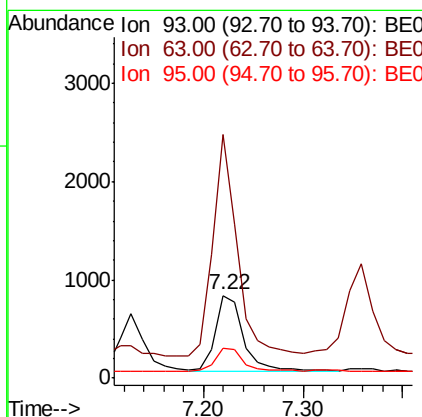
RT: 7.22 min Scan# 378

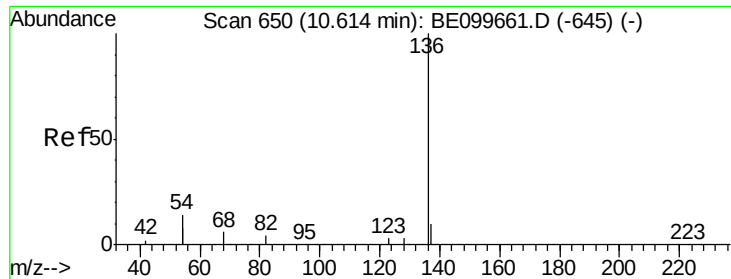
Delta R.T. -0.02 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Tgt Ion:	93	Resp:	1466
Ion	Ratio	Lower	Upper
93	100		
63	260.2	207.8	311.6
95	32.9	25.9	38.9





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

BNA_E

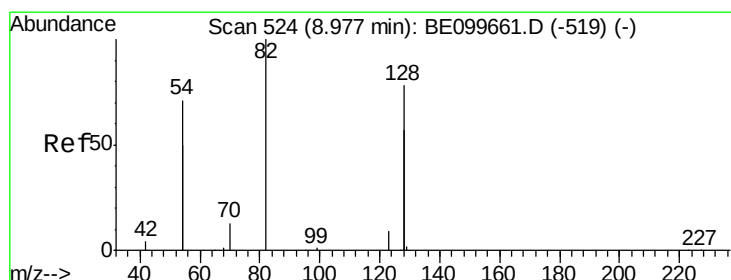
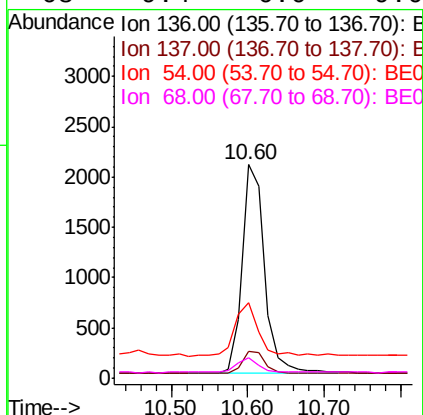
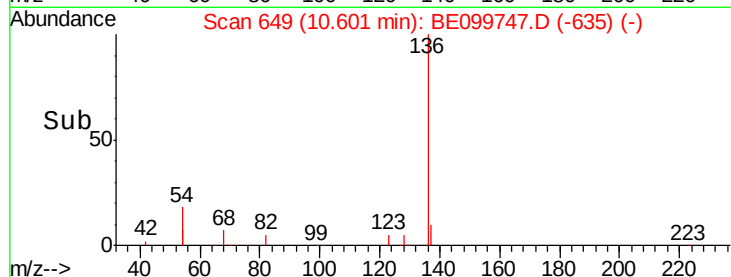
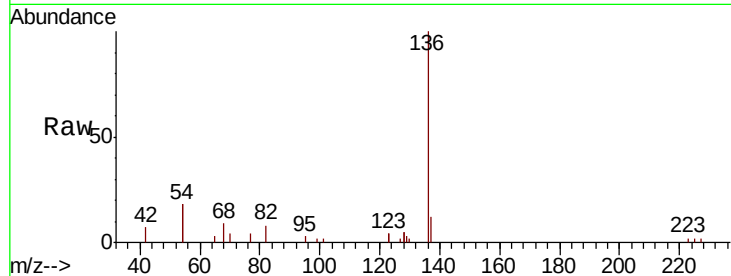
ClientSampleId :

PB120039BS

Tot Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.0	13.6
54	35.6	22.3	33.5#
68	9.4	6.0	9.0#

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#8

Nitrobenzene-d5

Concen: 0.442 ng

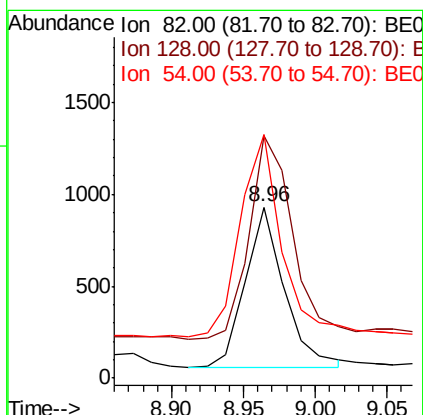
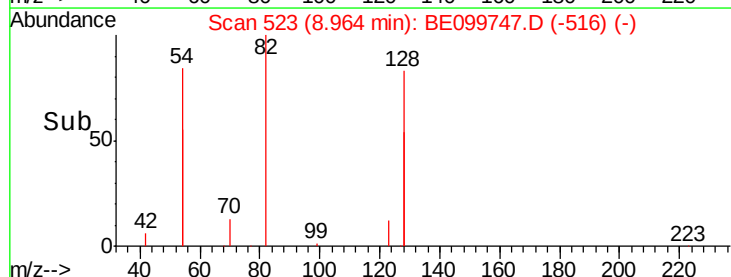
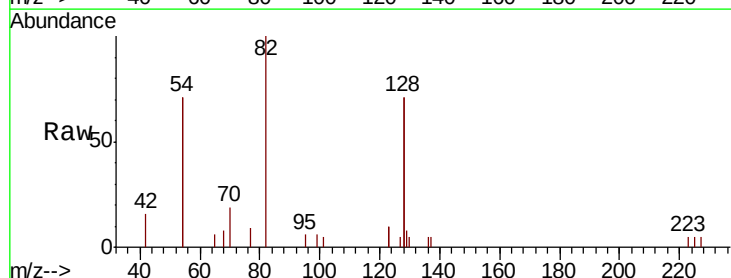
RT: 8.96 min Scan# 523

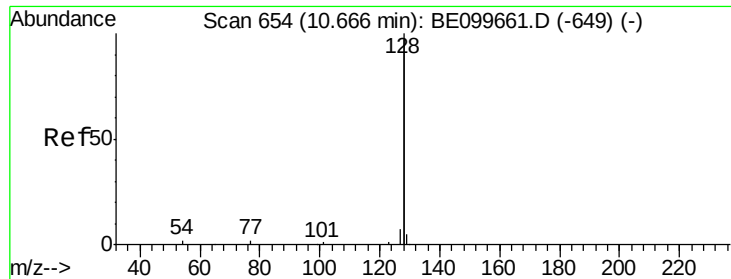
Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Tgt Ion	Ratio	Lower	Upper
82	100		
128	141.7	117.7	176.5
54	142.7	106.6	160.0





#9

Naphthalene

Concen: 0.399 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

BNA_E

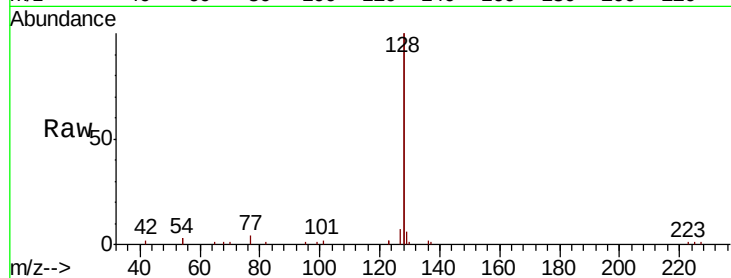
ClientSampled :

PB120039BS

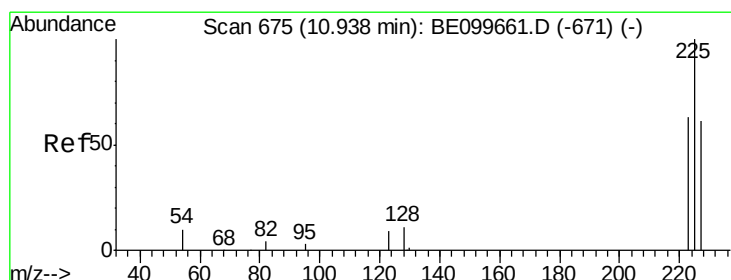
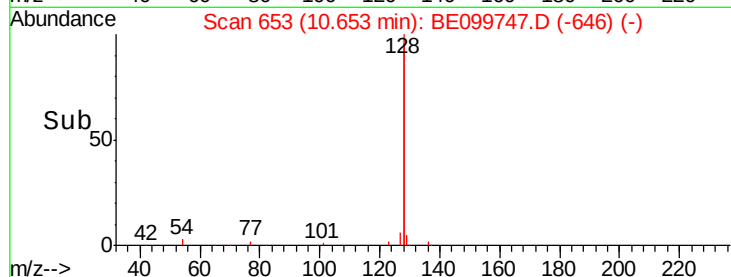
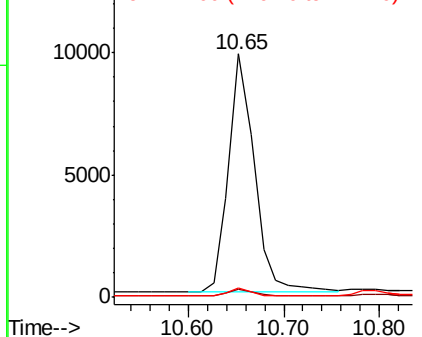
Tot Ion:	128	Resp:	18249
Ion Ratio	Lower	Upper	
128	100		
129	3.1	2.4	3.6
127	3.7	2.9	4.3

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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: 0.400 ng

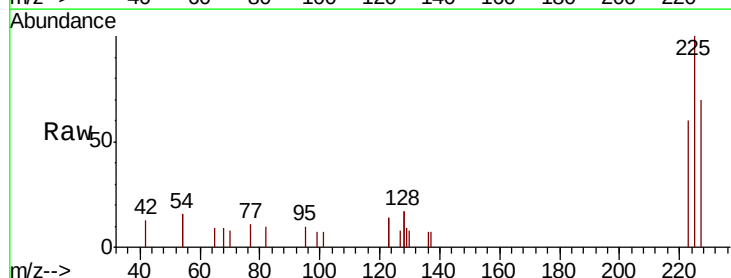
RT: 10.94 min Scan# 675

Delta R.T. 0.00 min

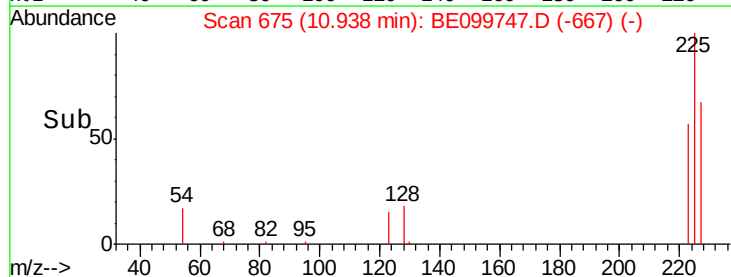
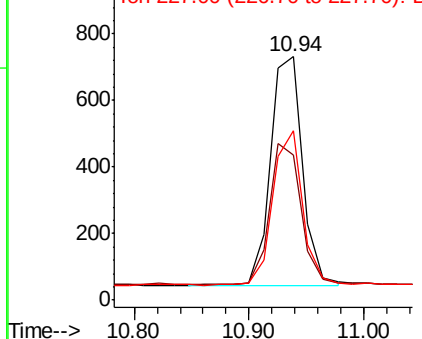
Lab File: BE099747.D

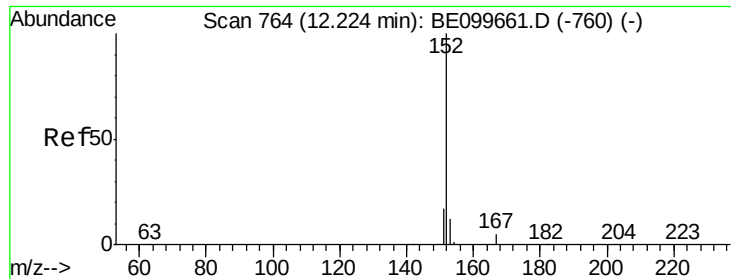
Acq: 24 May 2019 17:57

Tgt Ion:	225	Resp:	1344
Ion Ratio	Lower	Upper	
225	100		
223	60.9	51.8	77.6
227	63.1	52.6	79.0



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





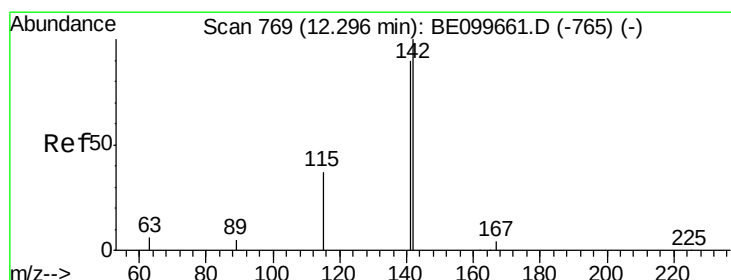
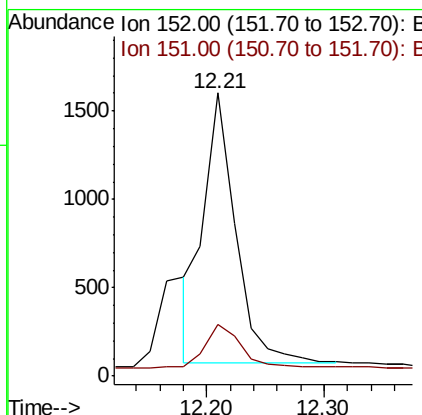
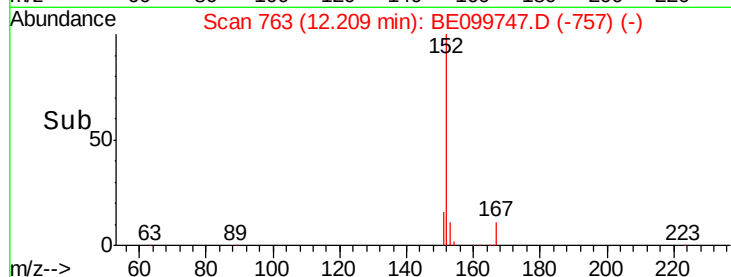
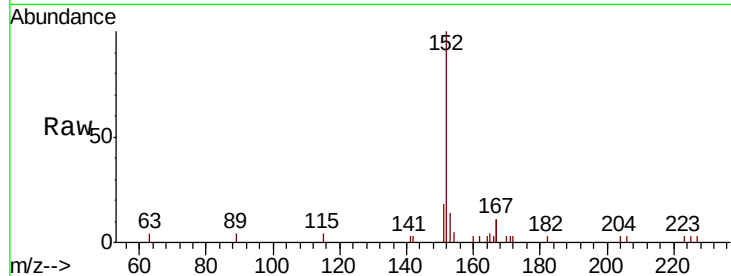
#11
 2-Methylnaphthalene-d10
 Concen: 0.389 ng m
 RT: 12.21 min Scan# 763
 Delta R.T. -0.02 min
 Lab File: BE099747.D
 Acq: 24 May 2019 17:57

Instrument :
 BNA_E
 ClientSampleId :
 PB120039BS

Tot Ion:152 Resp: 2870
 Ion Ratio Lower Upper
 152 100
 151 18.8 15.0 22.4

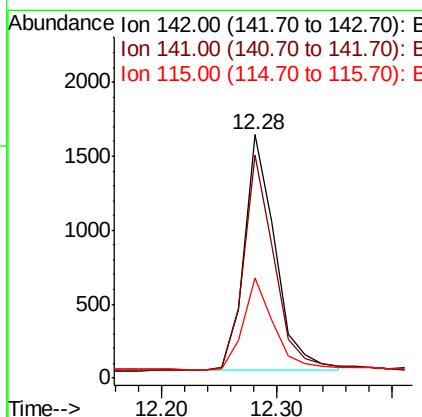
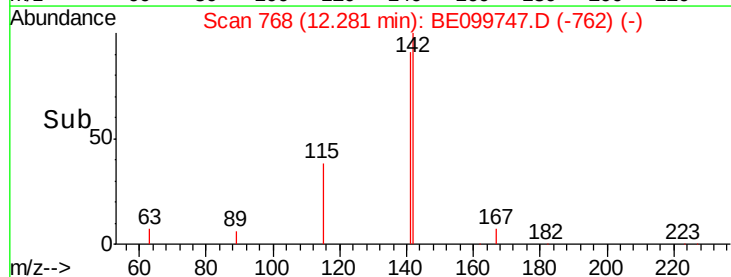
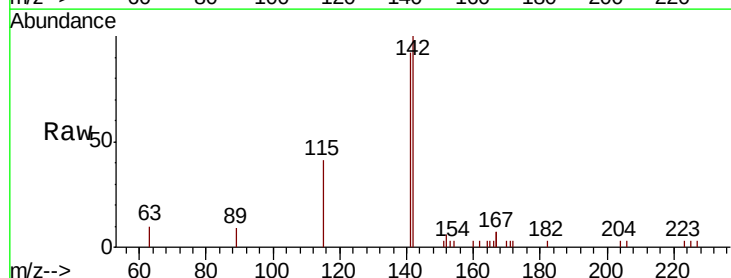
Manual Integrations
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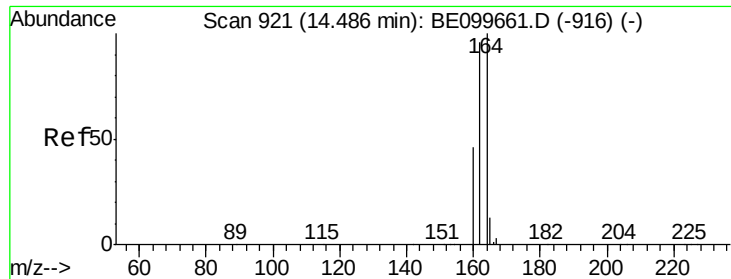
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#12
 2-Methylnaphthalene
 Concen: 0.400 ng
 RT: 12.28 min Scan# 768
 Delta R.T. -0.02 min
 Lab File: BE099747.D
 Acq: 24 May 2019 17:57

Tgt Ion:142 Resp: 2979
 Ion Ratio Lower Upper
 142 100
 141 91.6 72.0 108.0
 115 40.9 31.0 46.4





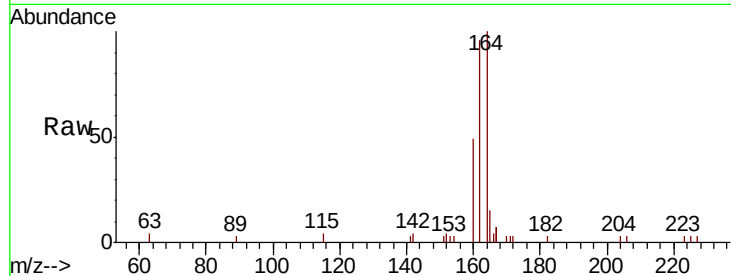
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.02 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

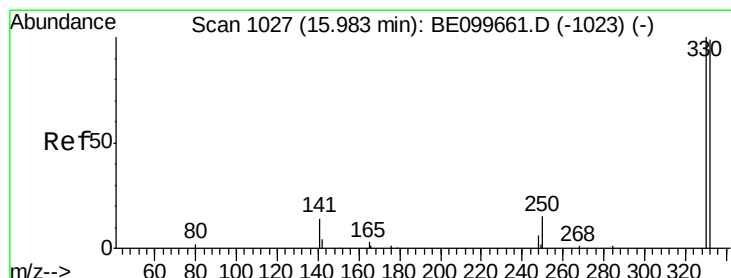
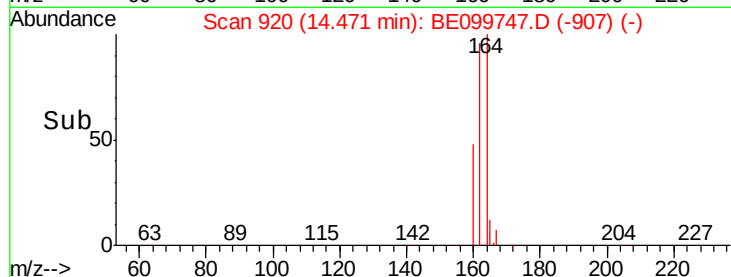
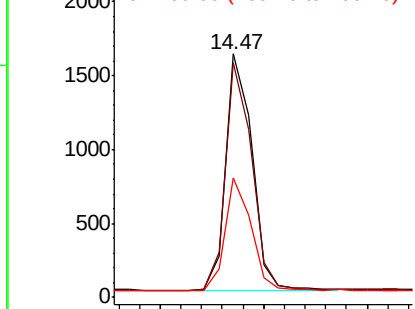
Tot Ion:164 Resp: 2827
Ion Ratio Lower Upper
164 100
162 96.2 76.5 114.7
160 49.1 37.4 56.2

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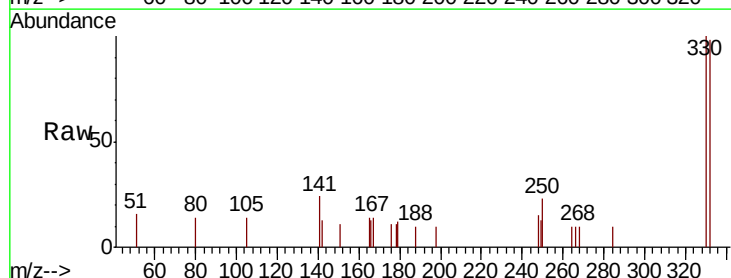


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

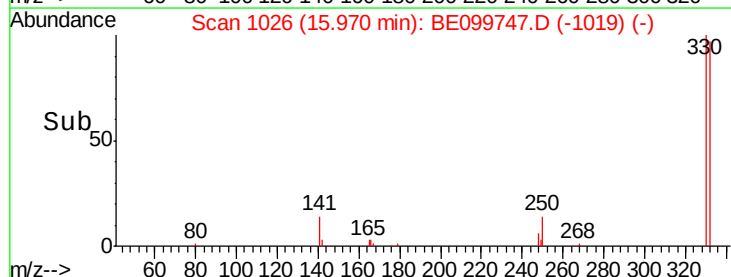
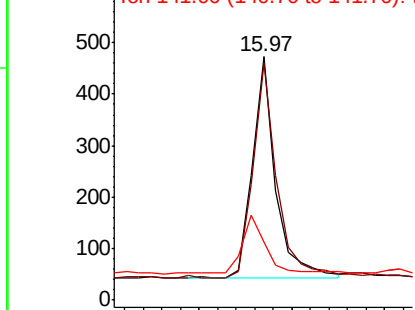


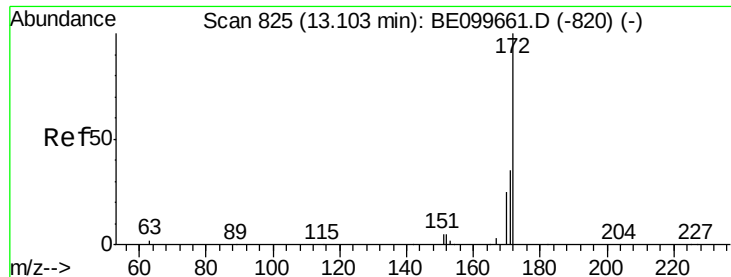
#14
2,4,6-Tribromophenol
Concen: 0.476 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion:330 Resp: 749
Ion Ratio Lower Upper
330 100
332 104.1 77.3 115.9
141 26.4 18.9 28.3



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





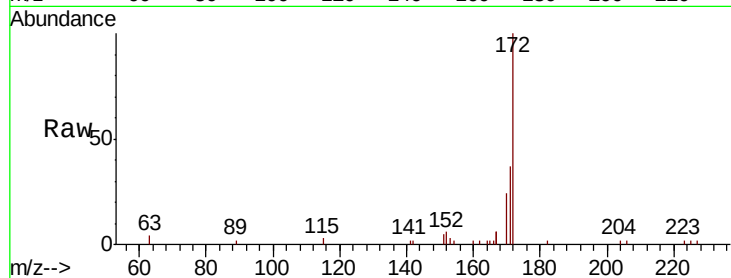
#15
2-Fluorobiphenyl
Concen: 0.424 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.7	43.1
170	23.9	20.9	31.3

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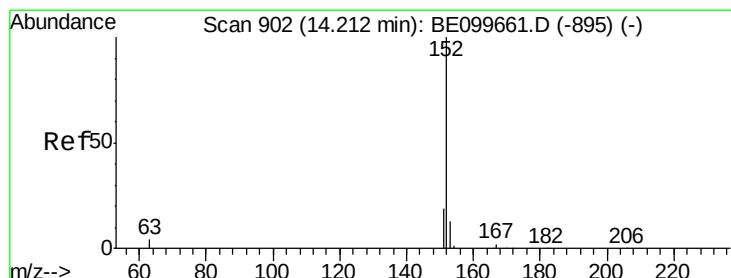
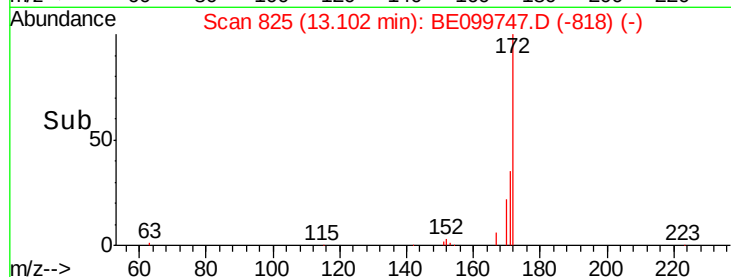
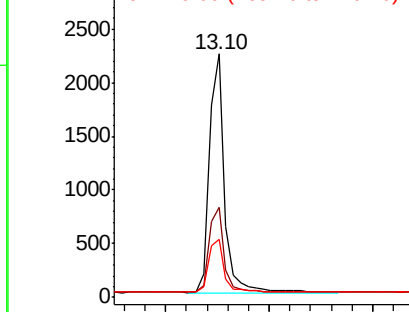


Abundance

Ion 172.00 (171.70 to 172.70): E

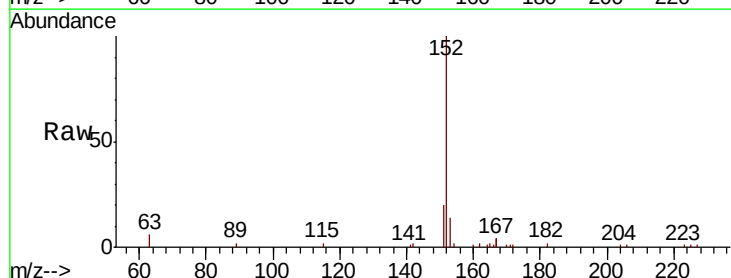
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.404 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.02 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.9	23.9
153	13.4	10.6	16.0

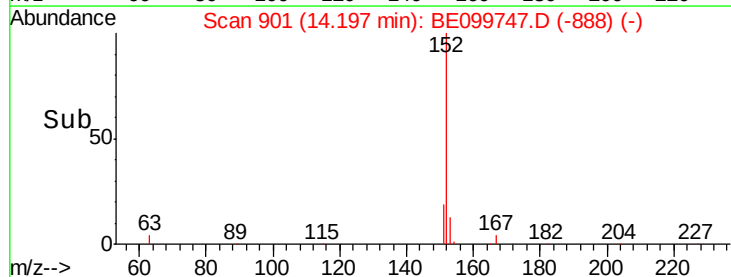
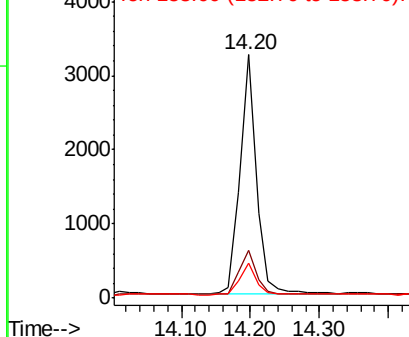


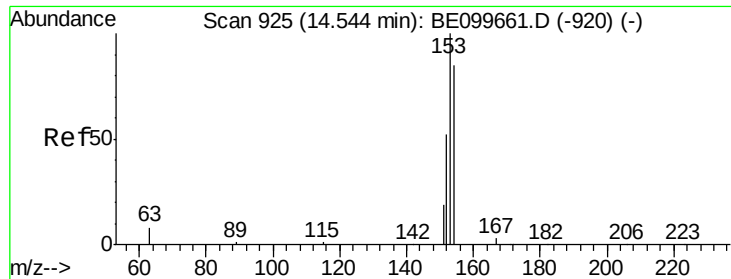
Abundance

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





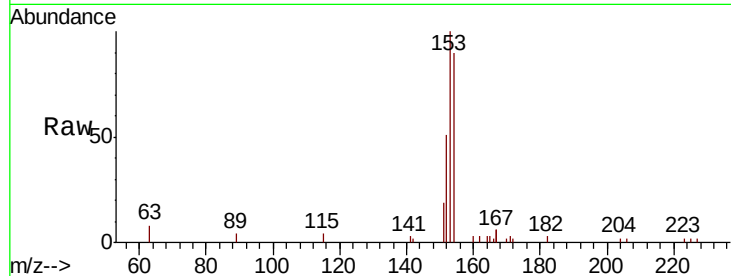
#17
Acenaphthene
Concen: 0.394 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tot Ion	Ratio	Lower	Upper
154	100		
153	117.9	91.8	137.6
152	59.2	46.0	69.0

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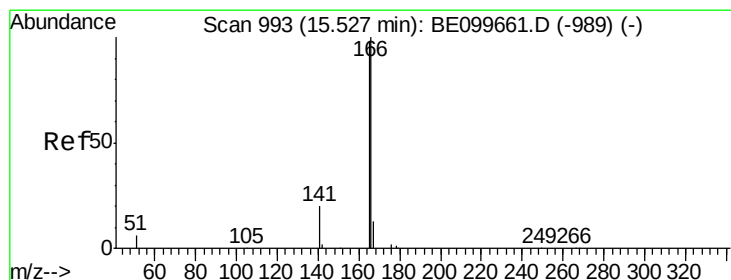
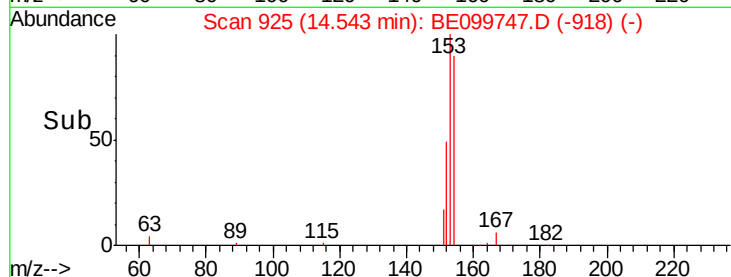
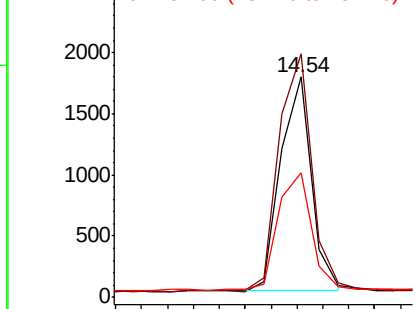


Abundance

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: 0.397 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.01 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

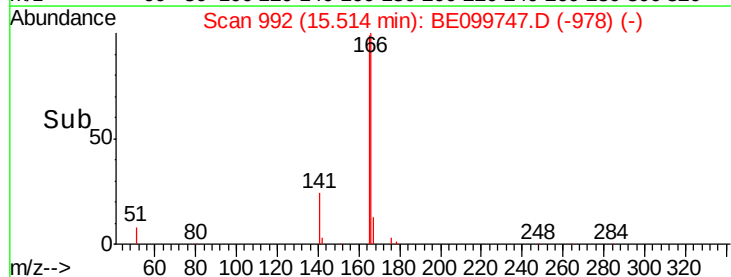
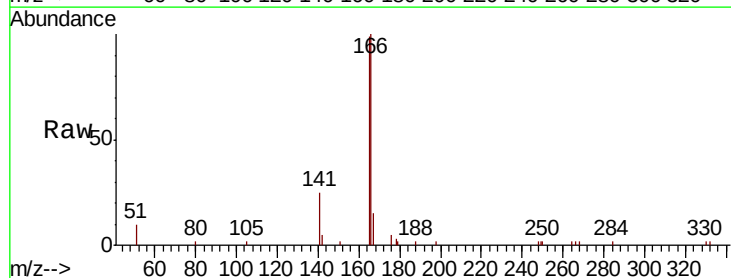
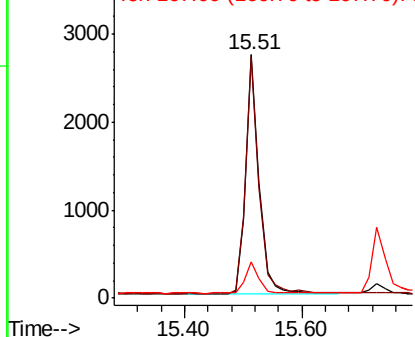
Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.2	80.3	120.5
167	13.9	10.6	16.0

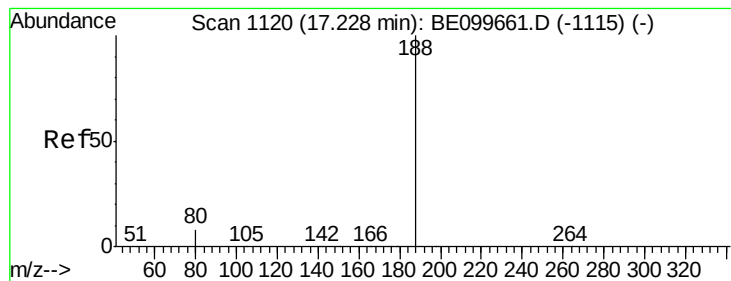
Abundance

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. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

BNA_E

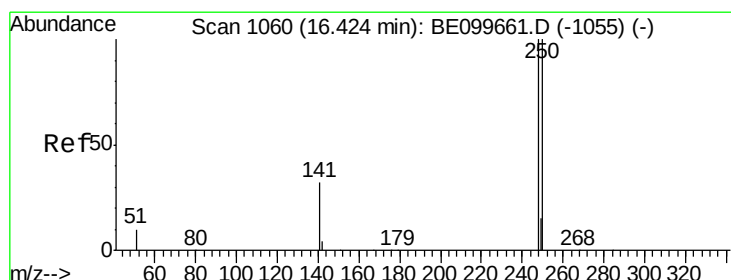
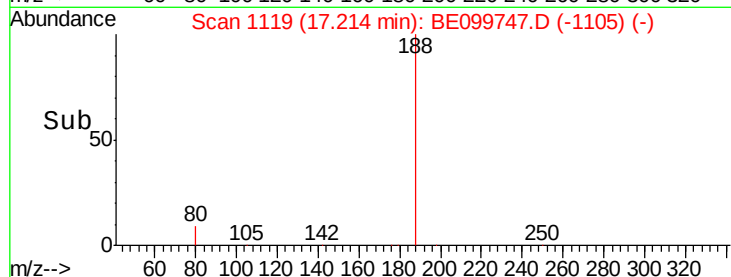
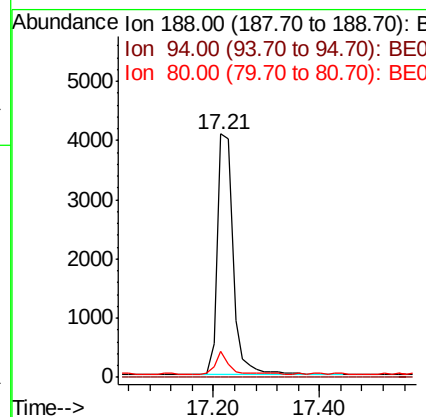
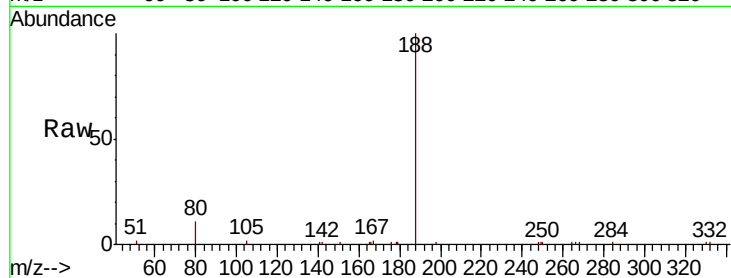
ClientSampleId :

PB120039BS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	8262		
94	0.0	0.0	0.0	
80	10.6	6.7	10.1	

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#20

4-Bromophenyl-phenylether

Concen: 0.388 ng

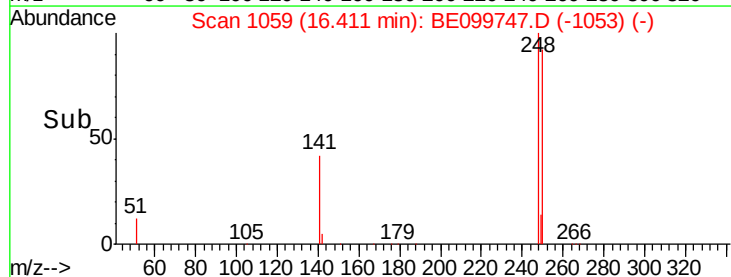
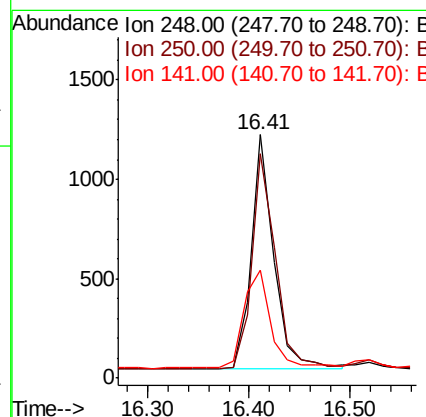
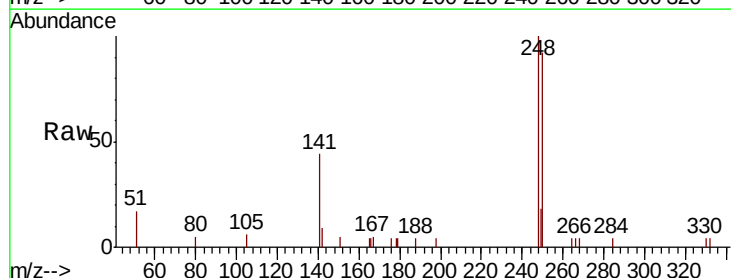
RT: 16.41 min Scan# 1059

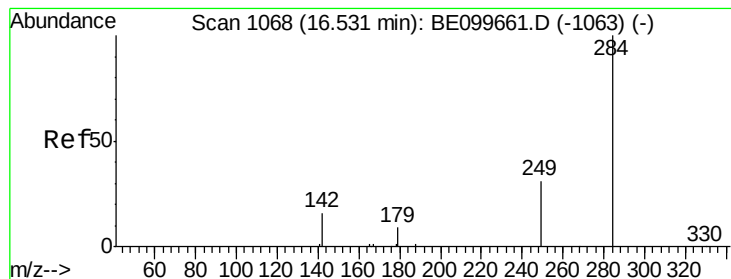
Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	1850		
250	92.2	79.8	119.8	
141	44.4	27.0	40.6	





#21

Hexachlorobenzene

Concen: 0.391 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

BNA_E

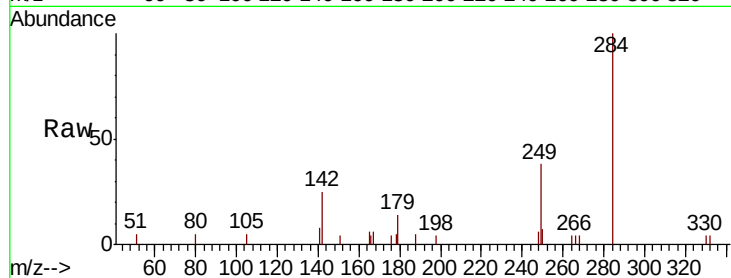
ClientSampleId :

PB120039BS

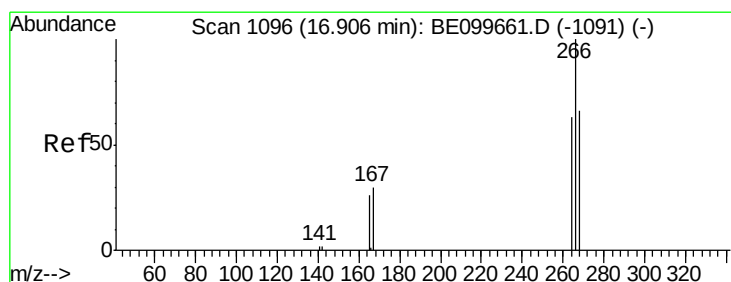
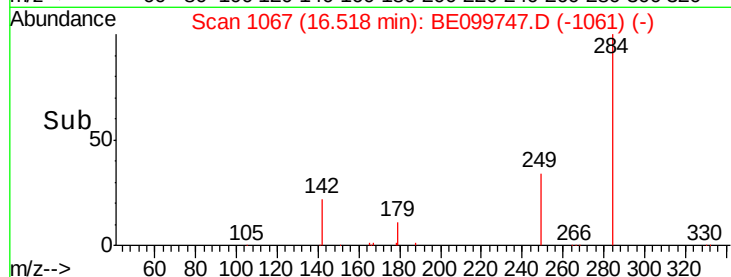
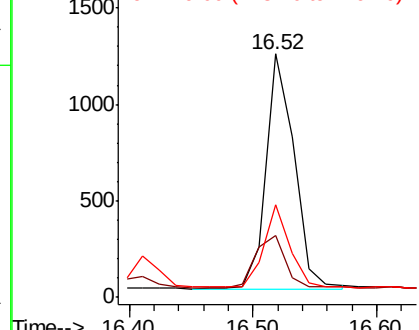
Tot Ion:	284	Resp:	1904
Ion Ratio	Lower	Upper	
284	100		
142	23.9	17.8	26.6
249	32.4	24.8	37.2

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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: 1.221 ng

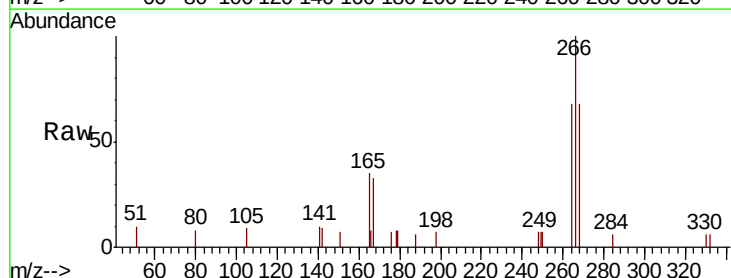
RT: 16.88 min Scan# 1094

Delta R.T. -0.03 min

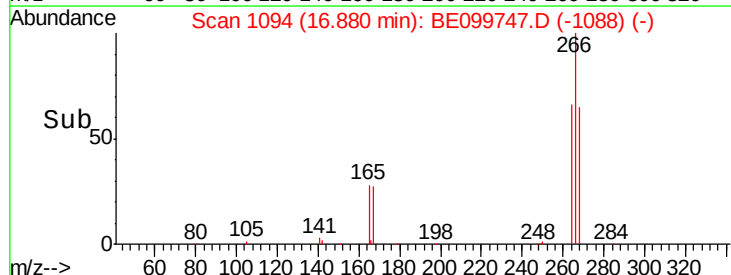
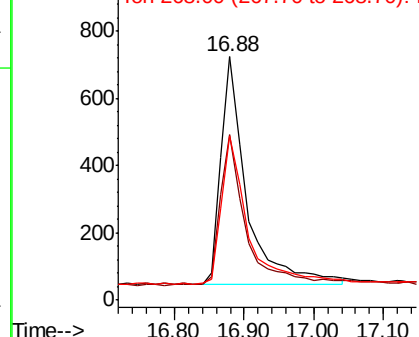
Lab File: BE099747.D

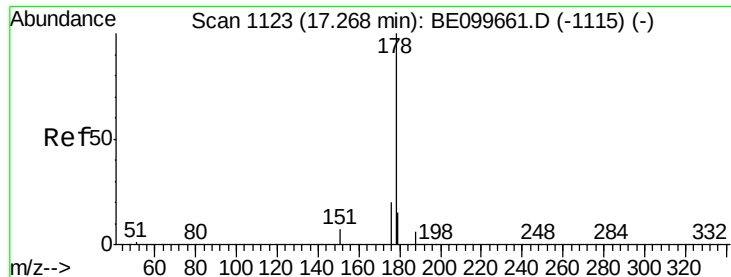
Acq: 24 May 2019 17:57

Tgt Ion:	266	Resp:	1741
Ion Ratio	Lower	Upper	
266	100		
264	68.2	57.2	85.8
268	67.5	60.5	90.7



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: 0.393 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

BNA_E

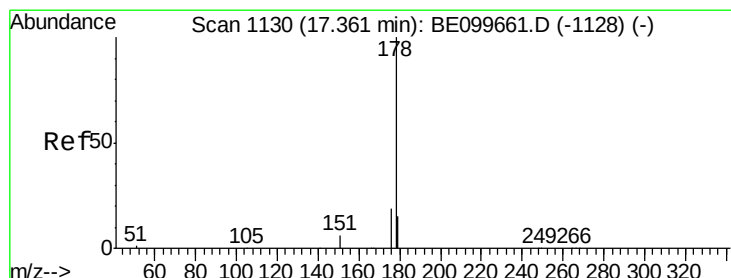
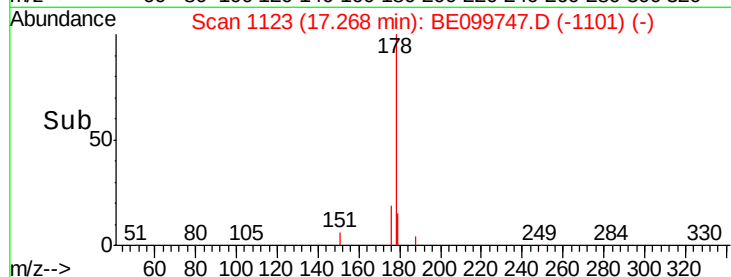
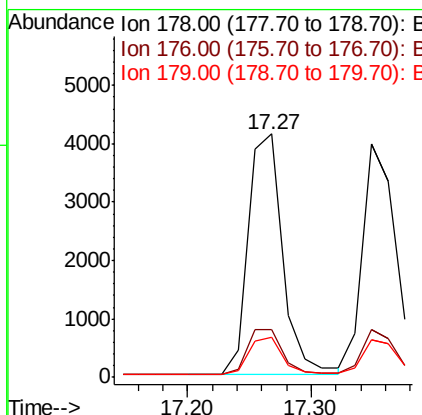
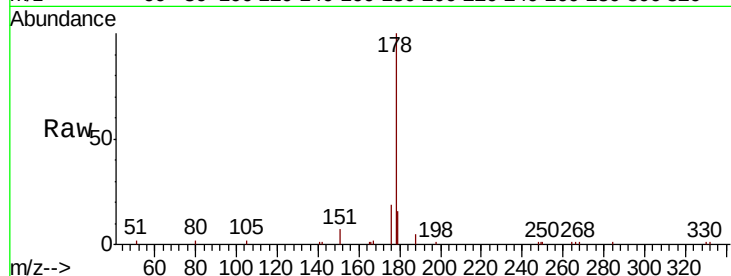
ClientSampleId :

PB120039BS

Tot Ion:178	Resp:	7933
Ion Ratio	Lower	Upper
178	100	
176	19.5	15.6 23.4
179	15.3	12.2 18.4

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#24

Anthracene

Concen: 0.393 ng

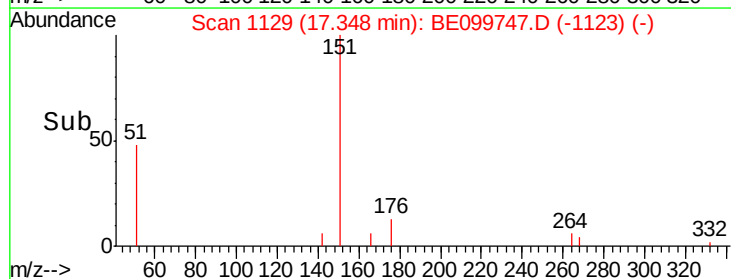
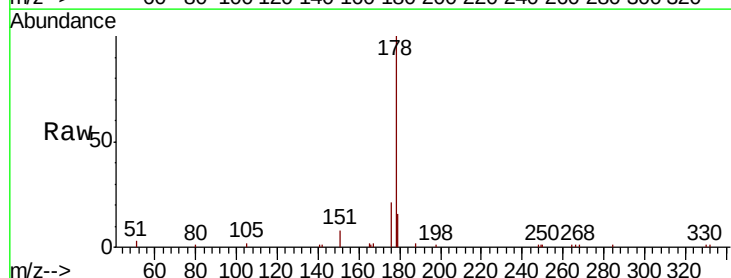
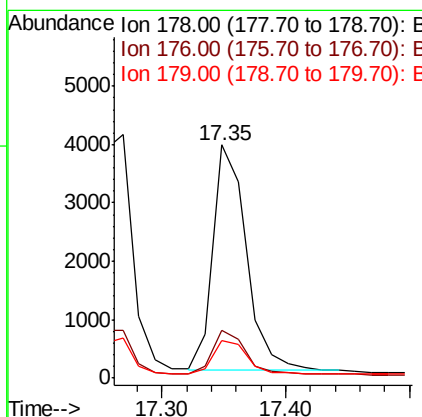
RT: 17.35 min Scan# 1129

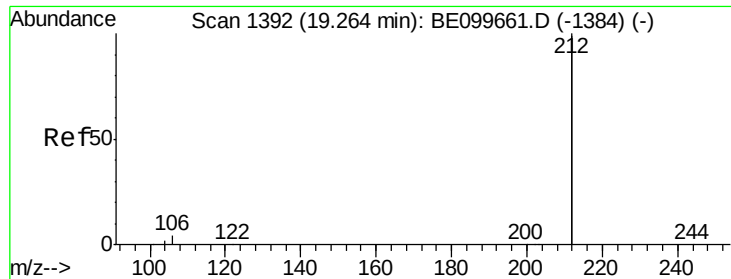
Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Tgt Ion:178	Resp:	7202
Ion Ratio	Lower	Upper
178	100	
176	19.2	14.7 22.1
179	15.6	12.0 18.0





#25

Fluoranthene-d10

Concen: 0.406 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

BNA_E

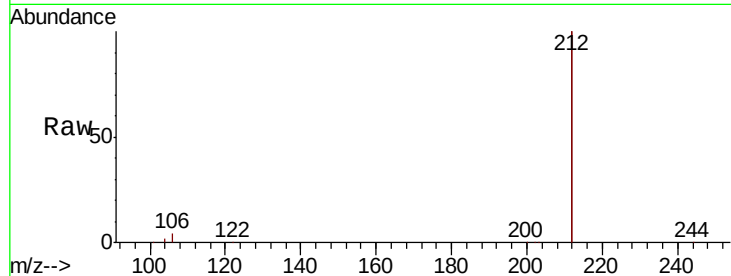
ClientSampleId :

PB120039BS

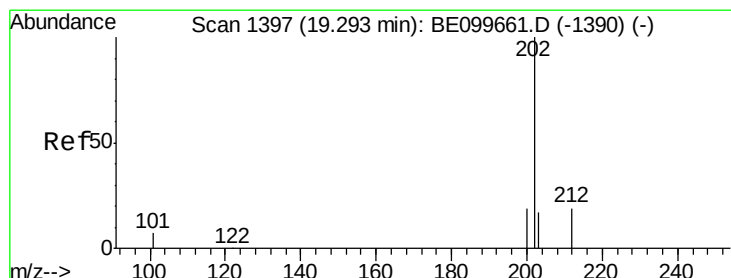
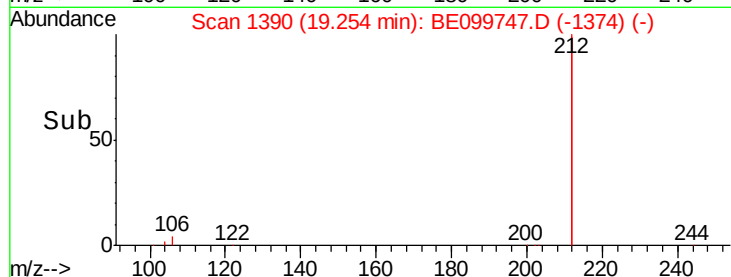
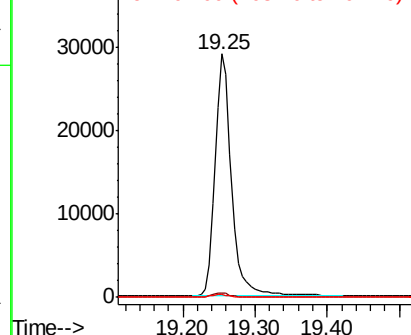
Tot Ion:212	Resp:	45855
Ion Ratio	Lower	Upper
212 100		
106 1.8	1.4	2.2
104 1.1	0.8	1.2

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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: 0.403 ng

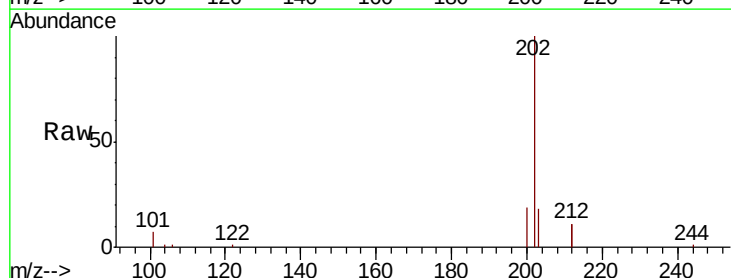
RT: 19.29 min Scan# 1396

Delta R.T. -0.00 min

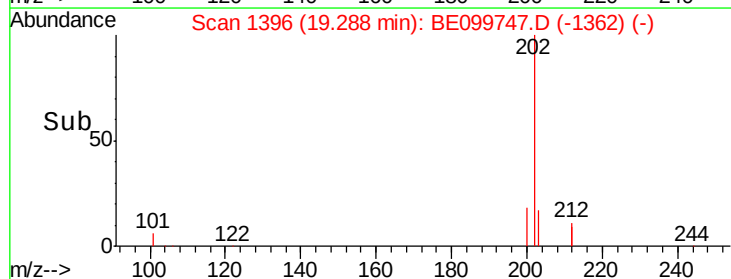
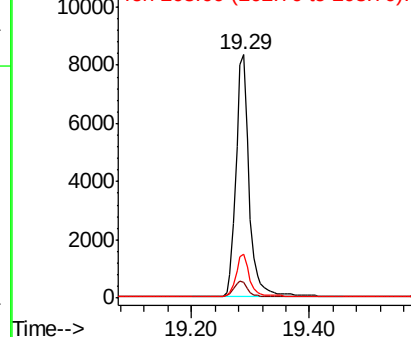
Lab File: BE099747.D

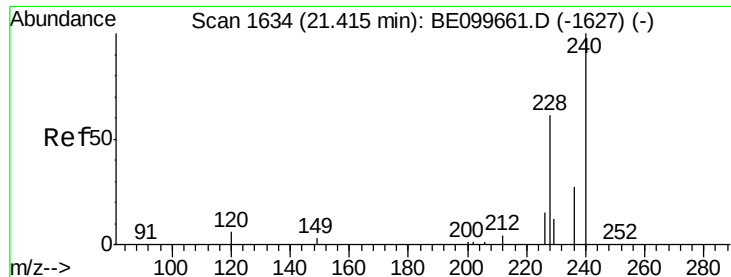
Acq: 24 May 2019 17:57

Tgt Ion:202	Resp:	12856
Ion Ratio	Lower	Upper
202 100		
101 6.5	5.2	7.8
203 17.1	13.8	20.6



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





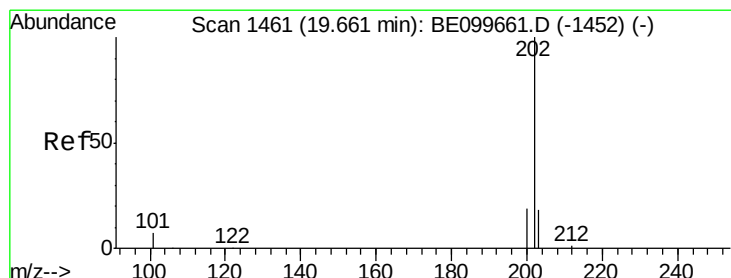
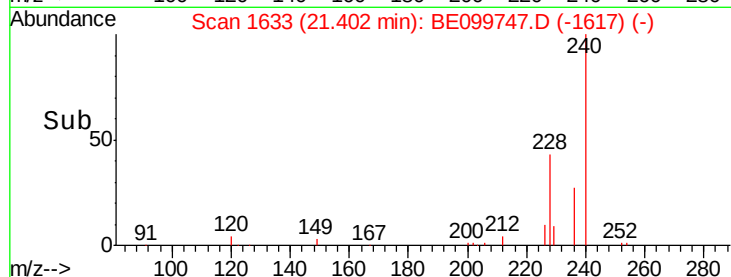
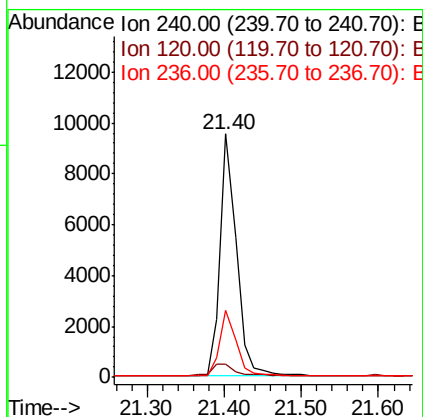
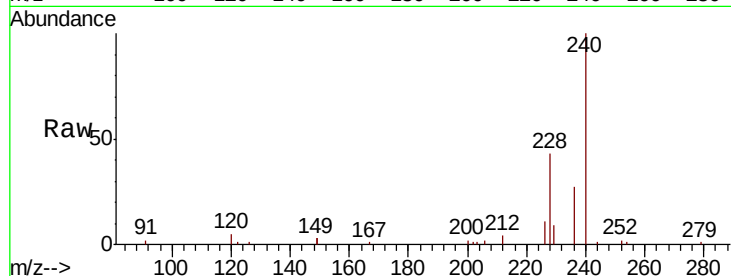
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.01 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tot Ion:240 Resp: 14078
Ion Ratio Lower Upper
240 100
120 5.3 5.4 8.0#
236 27.4 21.7 32.5

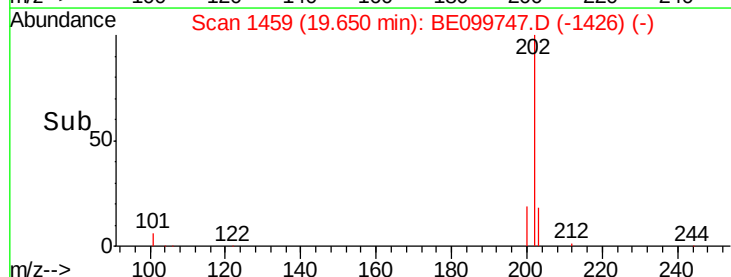
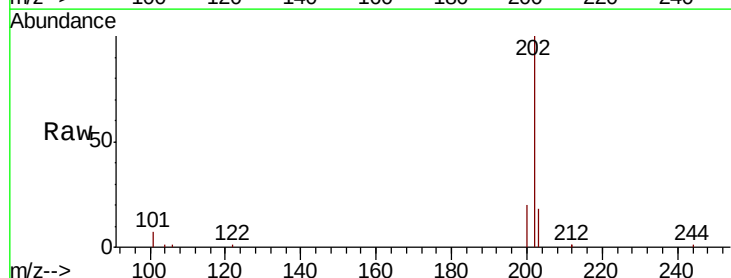
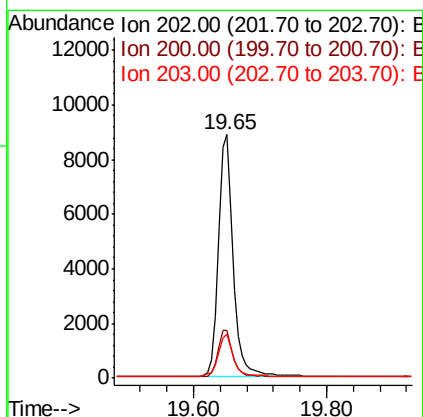
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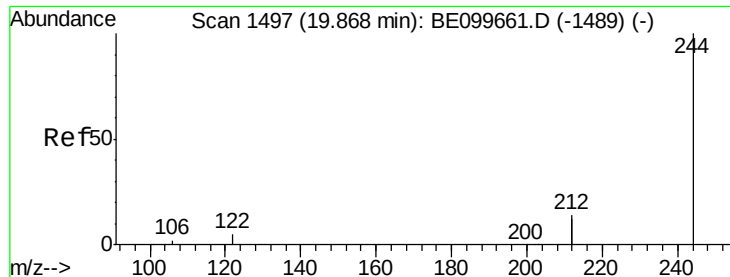
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#28
Pyrene
Concen: 0.382 ng
RT: 19.65 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion:202 Resp: 13496
Ion Ratio Lower Upper
202 100
200 19.5 15.4 23.2
203 17.6 13.8 20.8





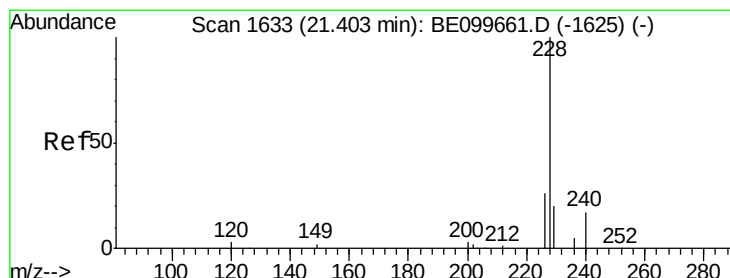
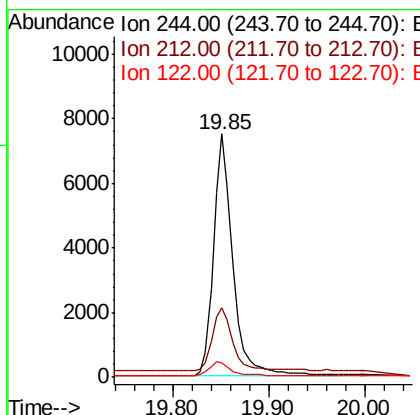
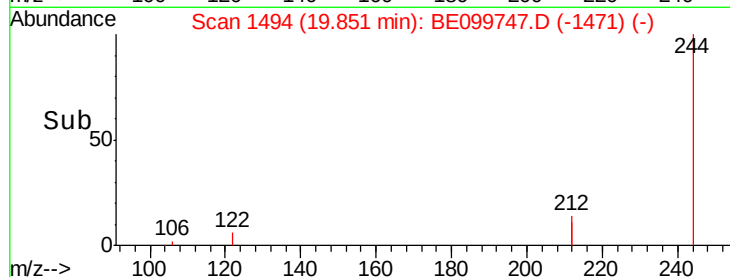
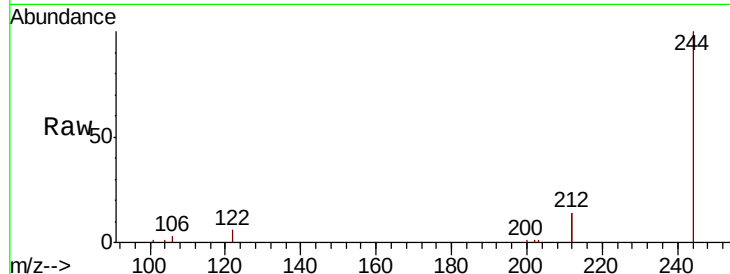
#29
 Terphenyl-d14
 Concen: 0.421 ng
 RT: 19.85 min Scan# 1494
 Delta R.T. -0.02 min
 Lab File: BE099747.D
 Acq: 24 May 2019 17:57

Instrument :
 BNA_E
 ClientSampleID :
 PB120039BS

Tot Ion	Ratio	Lower	Upper
244	100		
212	28.5	22.5	33.7
122	6.2	4.3	6.5

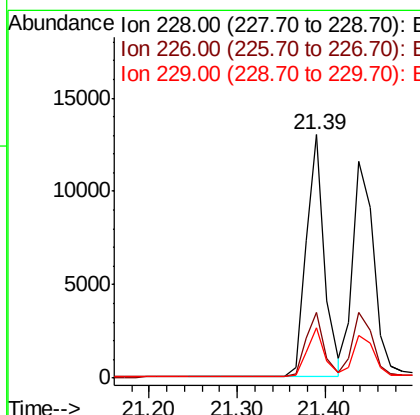
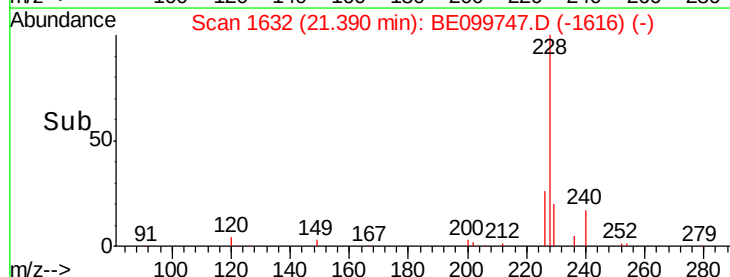
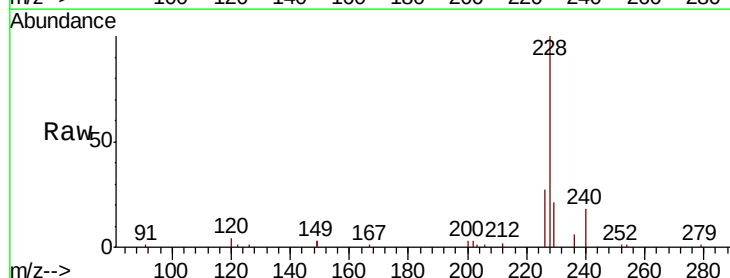
Manual Integrations
 APPROVED

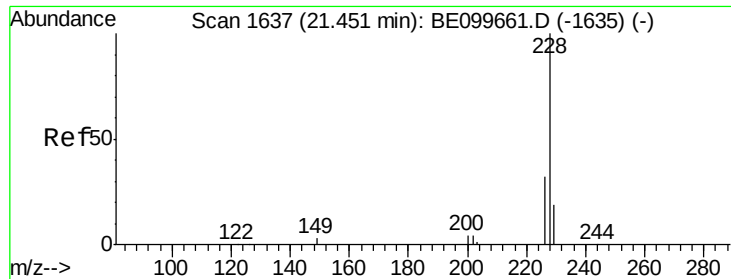
mohammad
 5/27/2019 4:01:30 AM



#30
 Benzo(a)anthracene
 Concen: 0.471 ng
 RT: 21.39 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: BE099747.D
 Acq: 24 May 2019 17:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.3	31.9
229	20.5	16.1	24.1





#31

Chrysene

Concen: 0.445 ng

RT: 21.44 min Scan# 1636

Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

BNA_E

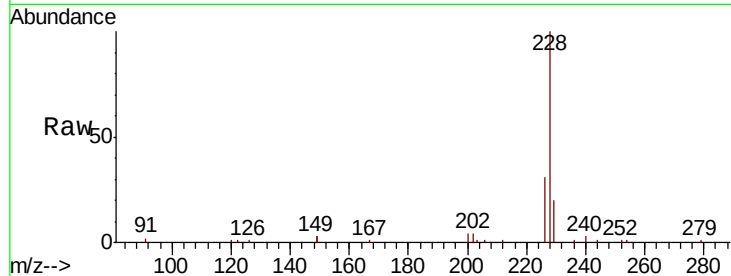
ClientSampleId :

PB120039BS

Tot Ion:	228	Resp:	19052
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.7	37.1
229	19.8	15.8	23.6

Manual Integrations
APPROVED

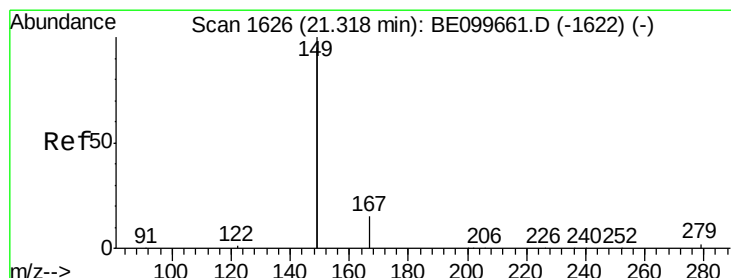
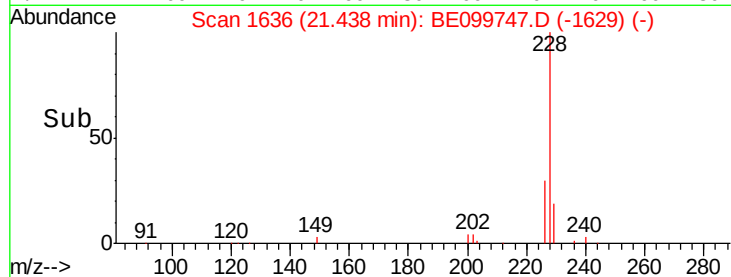
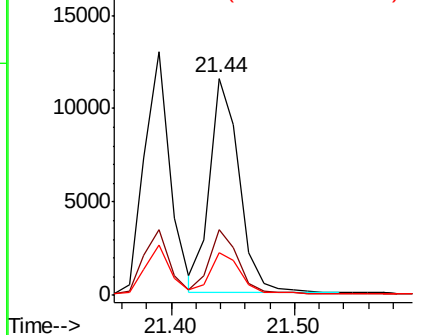
mohammad
5/27/2019 4:01:30 AM



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.515 ng

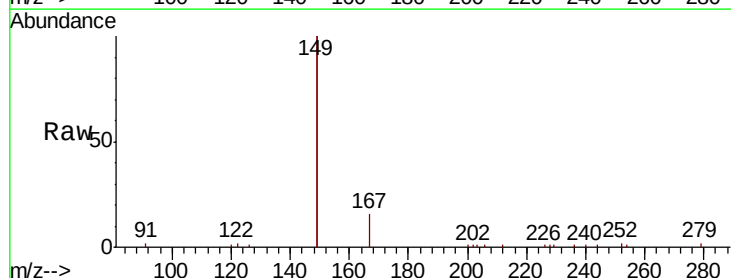
RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

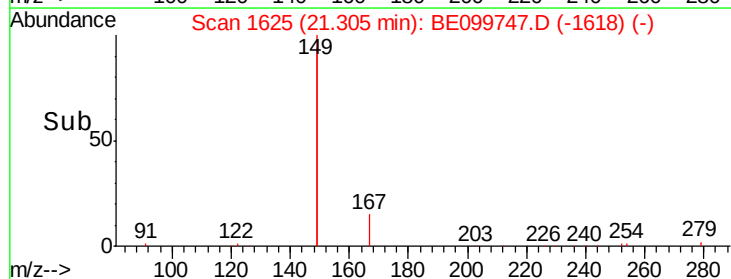
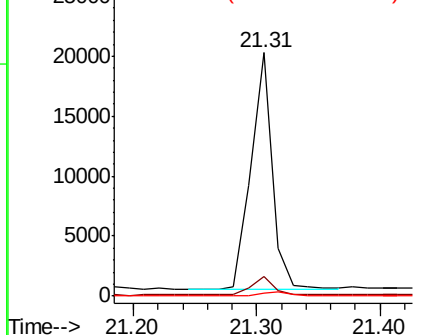
Tgt Ion:	149	Resp:	23744
Ion Ratio	Lower	Upper	
149	100		
167	7.6	6.2	9.4
279	1.6	1.2	1.8

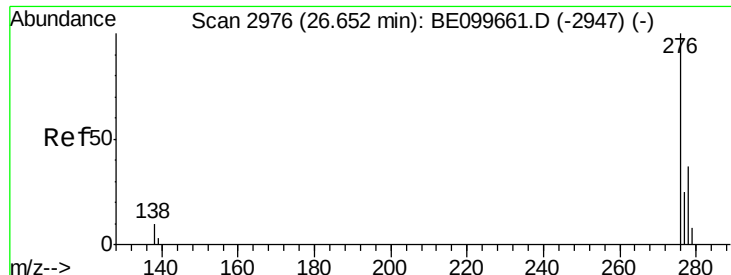


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





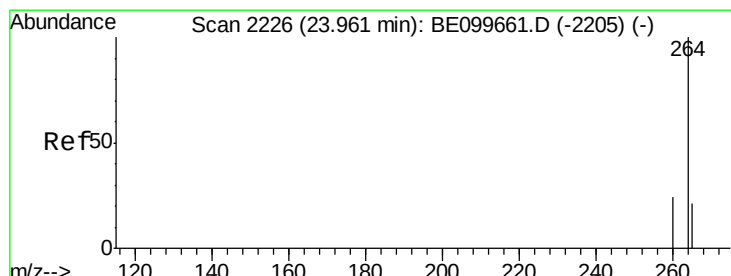
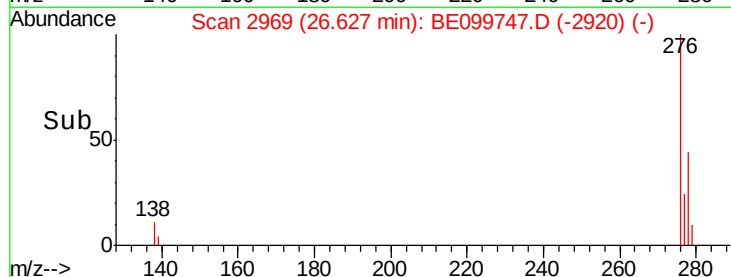
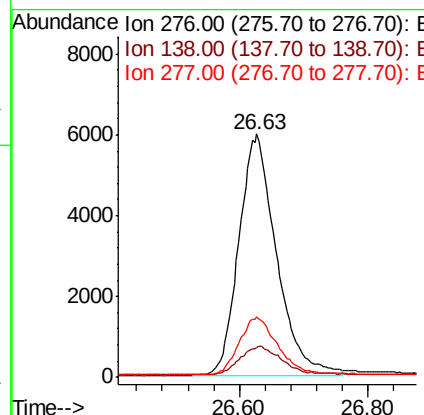
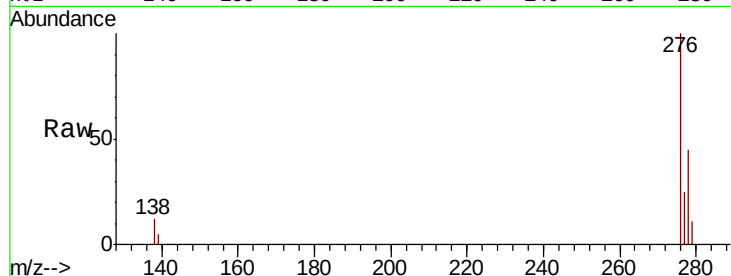
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.468 ng
RT: 26.63 min Scan# 2969
Delta R.T. -0.02 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.7	9.6	14.4
277	24.8	19.2	28.8

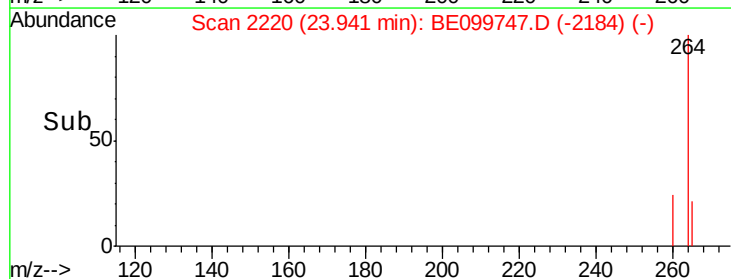
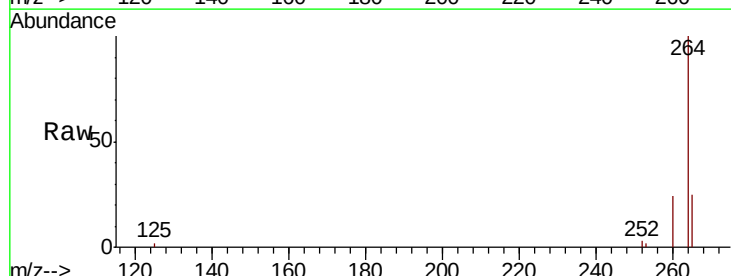
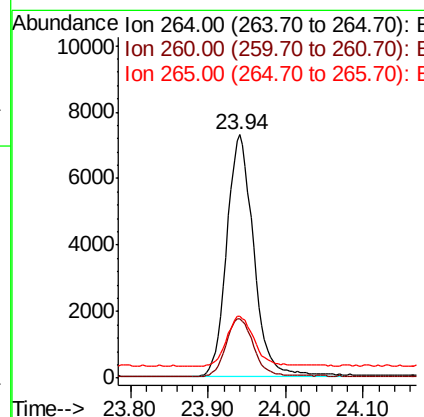
Manual Integrations
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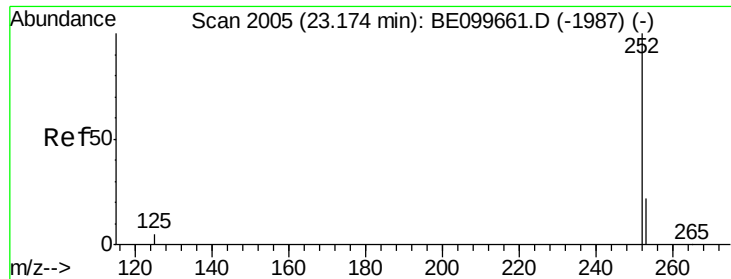
mohammad
5/27/2019 4:01:30 AM



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.94 min Scan# 2220
Delta R.T. -0.02 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	25.3	19.1	28.7





#35

Benzo(b)fluoranthene

Concen: 0.408 ng

RT: 23.16 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

BNA_E

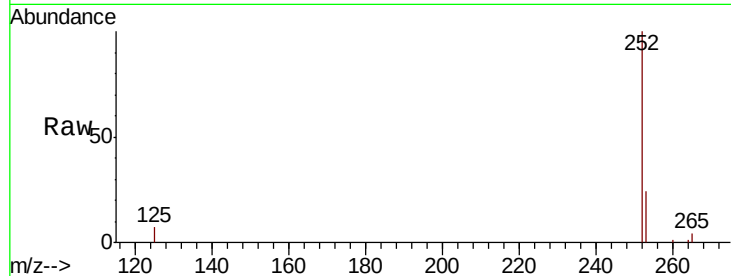
ClientSampleId :

PB120039BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.4
125	6.6	4.5	6.7

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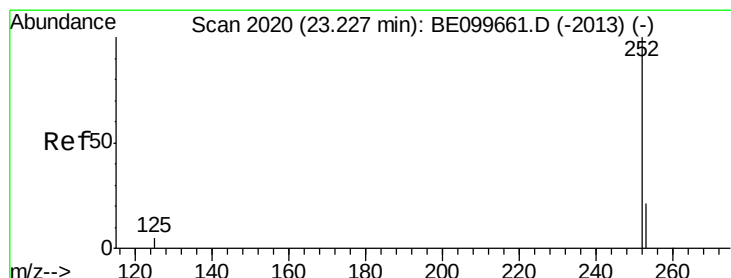
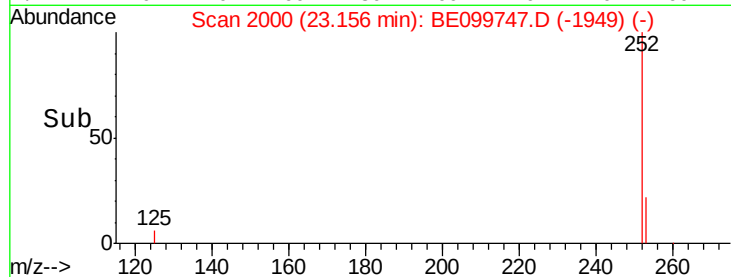
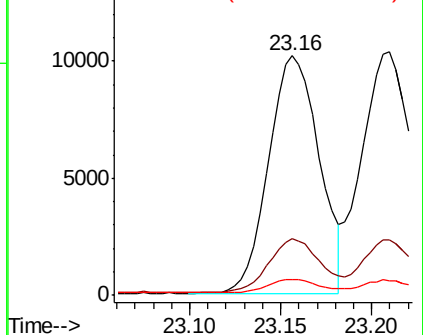
mohammad
5/27/2019 4:01:30 AM



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: 0.414 ng

RT: 23.21 min Scan# 2015

Delta R.T. -0.02 min

Lab File: BE099747.D

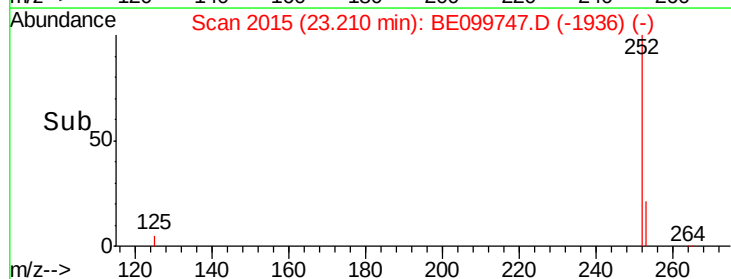
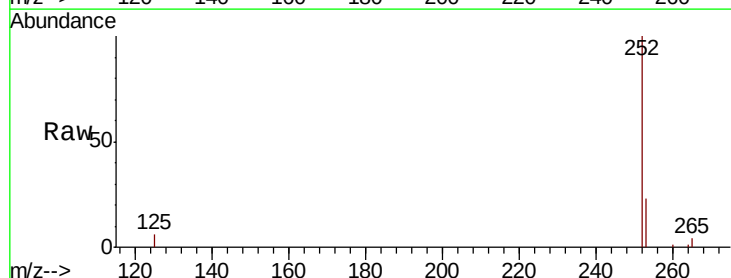
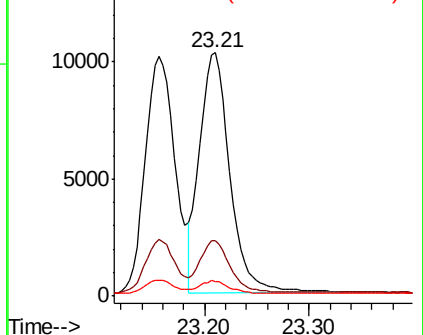
Acq: 24 May 2019 17:57

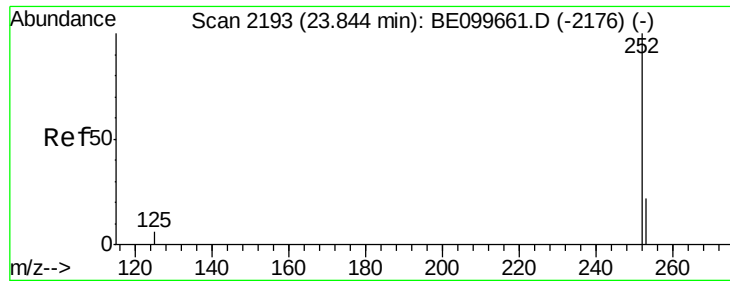
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	6.1	4.6	6.8

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: 0.433 ng

RT: 23.82 min Scan# 2187

Delta R.T. -0.02 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Instrument :

BNA_E

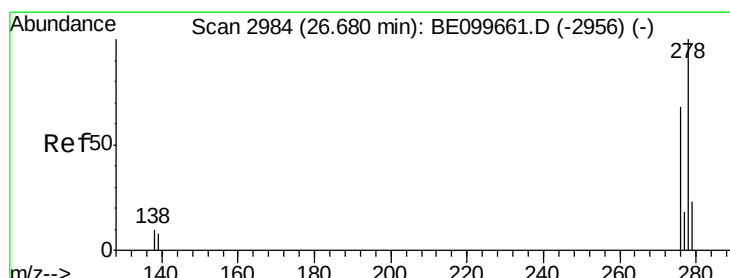
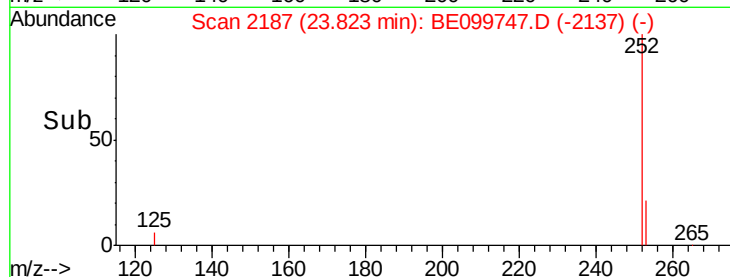
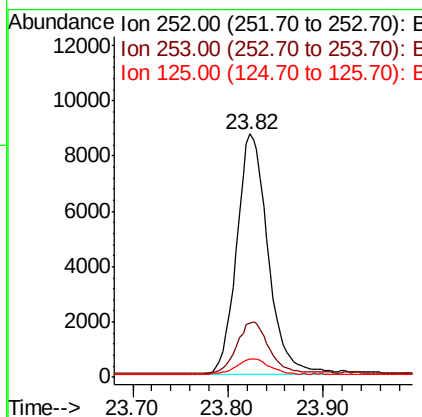
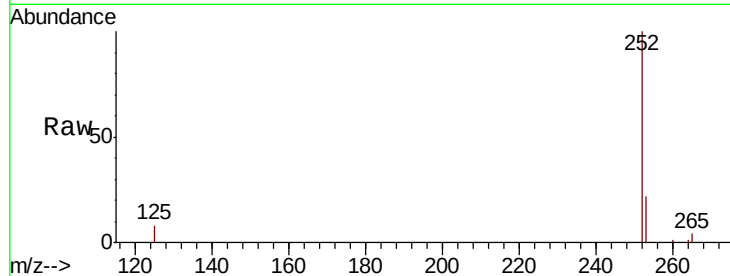
ClientSampleId :

PB120039BS

Tot Ion:	252	Resp:	19919
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.9	28.3
125	7.6	5.4	8.0

Manual Integrations
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mohammad
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#38

Dibenzo(a,h)anthracene

Concen: 0.416 ng

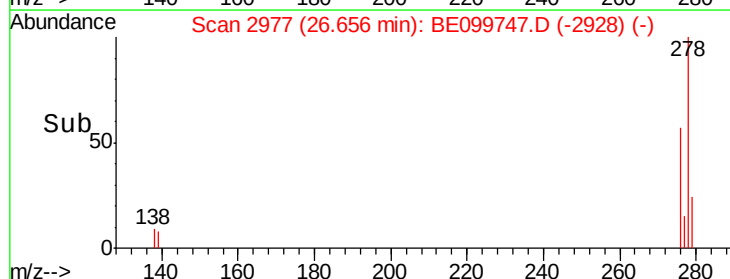
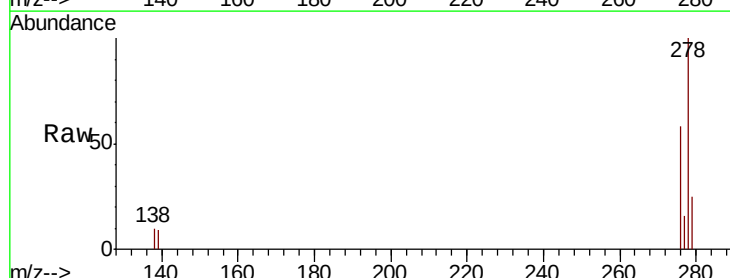
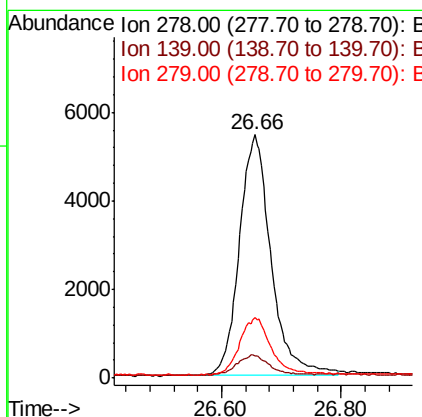
RT: 26.66 min Scan# 2977

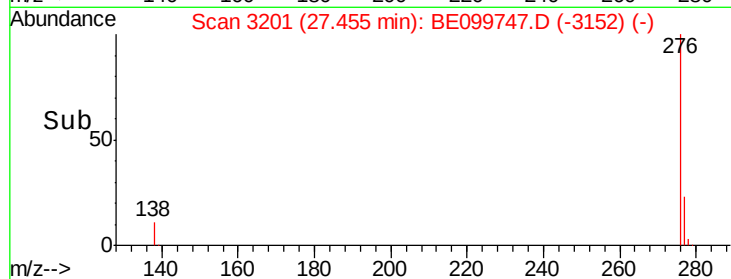
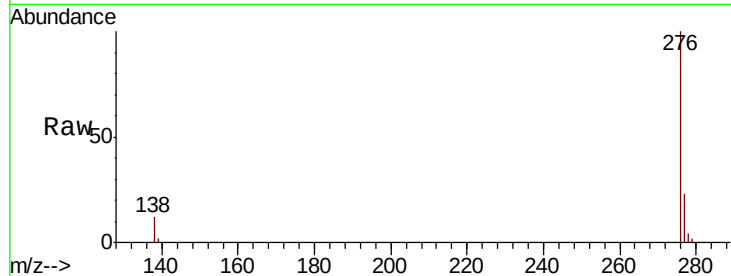
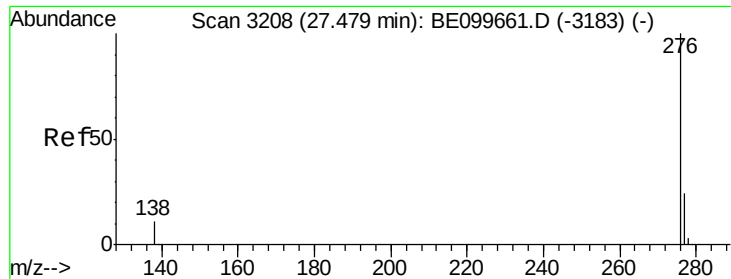
Delta R.T. -0.02 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Tgt Ion:	278	Resp:	20082
Ion Ratio	Lower	Upper	
278	100		
139	9.1	6.9	10.3
279	24.8	19.2	28.8





#39

Benzo(a,h,i)perylene

Concen: 0.423 ng

RT: 27.45 min Scan# 3201

Delta R.T. -0.02 min

Lab File: BE099747.D

Acq: 24 May 2019 17:57

Tot Ion:	276	Resp:	20655
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.8	29.6
138	11.9	9.2	13.8

Instrument :

BNA_E

ClientSampleId :

PB120039BS

Manual Integrations
APPROVED

mohammad
5/27/2019 4:01:30 AM

