

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052419\
 Data File : BE099748.D
 Acq On : 24 May 2019 18:33
 Operator : JU/SJ
 Sample : PB120039BSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB120039BSD

Manual Integrations
 APPROVED

mohammad
 5/27/2019 4:01:33 AM

Quant Time: May 24 22:00:05 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	1174	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	3851	0.40	ng	-0.01
13) Acenaphthene-d10	14.47	164	2596	0.40	ng	-0.01
19) Phenanthrene-d10	17.23	188	7342	0.40	ng	0.00
27) Chrysene-d12	21.40	240	12088	0.40	ng	-0.01
34) Perylene-d12	23.94	264	15440	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	1218	0.41	ng	0.00
5) Phenol-d6	6.96	99	1459	0.37	ng	-0.01
8) Nitrobenzene-d5	8.97	82	1303	0.39	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	2645m	0.40	ng	-0.01
14) 2,4,6-Tribromophenol	15.97	330	550	0.41	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	3759	0.38	ng	0.00
25) Fluoranthene-d10	19.25	212	35675	0.36	ng	-0.01
29) Terphenyl-d14	19.86	244	7978	0.37	ng	-0.01

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	513	0.295	ng	# 62
3) n-Nitrosodimethylamine	3.61	42	407	0.424	ng	# 82
6) bis(2-Chloroethyl)ether	7.23	93	1240	0.355	ng	94
9) Naphthalene	10.65	128	15750	0.382	ng	99
10) Hexachlorobutadiene	10.93	225	1140	0.376	ng	98
12) 2-Methylnaphthalene	12.28	142	2638	0.393	ng	98
16) Acenaphthylene	14.20	152	4581	0.379	ng	99
17) Acenaphthene	14.54	154	2492	0.367	ng	96
18) Fluorene	15.51	166	3662	0.366	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	1578	0.373	ng	# 88
21) Hexachlorobenzene	16.52	284	1606	0.371	ng	98
22) Pentachlorophenol	16.88	266	1187	1.002	ng	96
23) Phenanthrene	17.27	178	6488	0.362	ng	99
24) Anthracene	17.36	178	5996	0.369	ng	99
26) Fluoranthene	19.29	202	10173	0.359	ng	99
28) Pyrene	19.65	202	10757	0.354	ng	99
30) Benzo(a)anthracene	21.39	228	14846	0.432	ng	99
31) Chrysene	21.44	228	15455	0.421	ng	100
32) Bis(2-ethylhexyl)phthalate	21.31	149	17652	0.446	ng	99
33) Indeno(1,2,3-cd)pyrene	26.62	276	19821	0.447	ng	99
35) Benzo(b)fluoranthene	23.16	252	15662	0.370	ng	98
36) Benzo(k)fluoranthene	23.21	252	16969	0.385	ng	97
37) Benzo(a)pyrene	23.82	252	16186	0.398	ng	99
38) Dibenzo(a,h)anthracene	26.66	278	16000	0.374	ng	97
39) Benzo(g,h,i)perylene	27.45	276	17176	0.398	ng	99

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

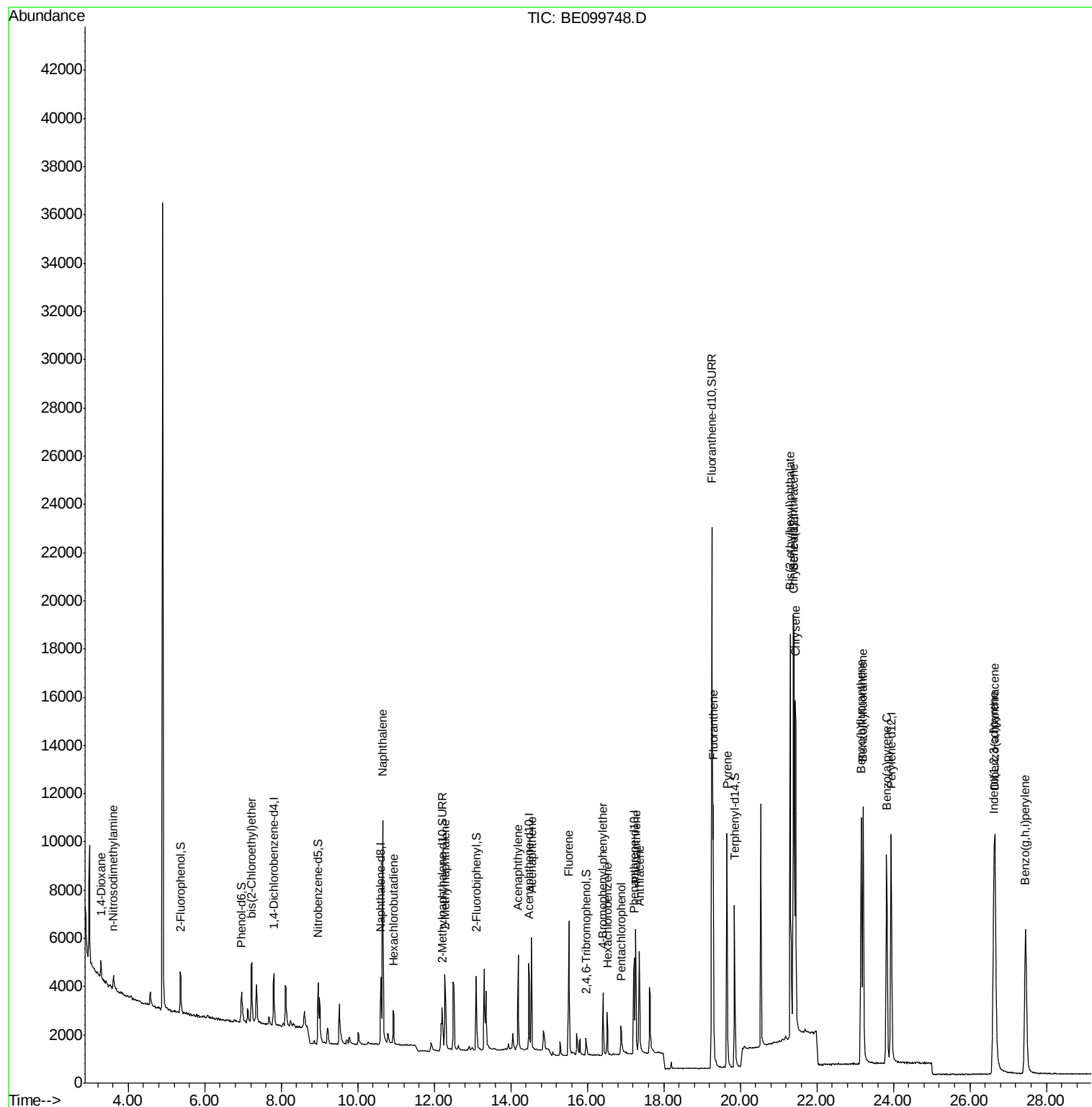
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052419\
Data File : BE099748.D
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 20 19:29:40 2019
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#1

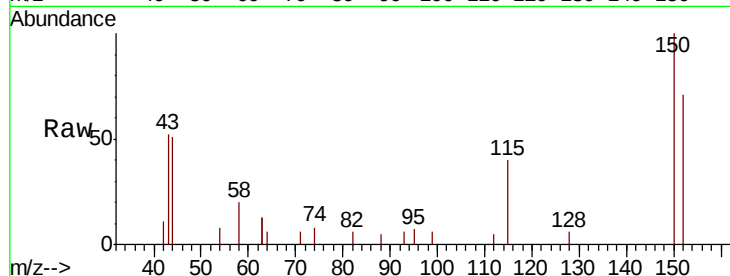
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099748.D
Acq: 24 May 2019 18:33

Instrument :
BNA_E
ClientSampleId :
PB120039BSD

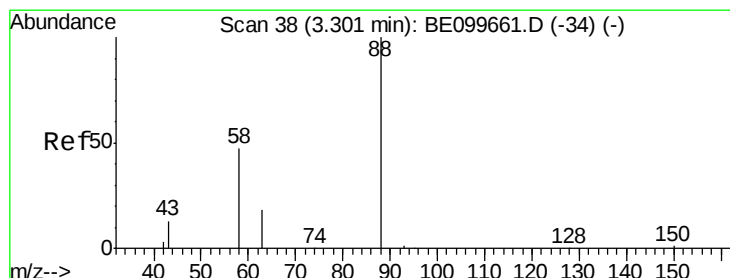
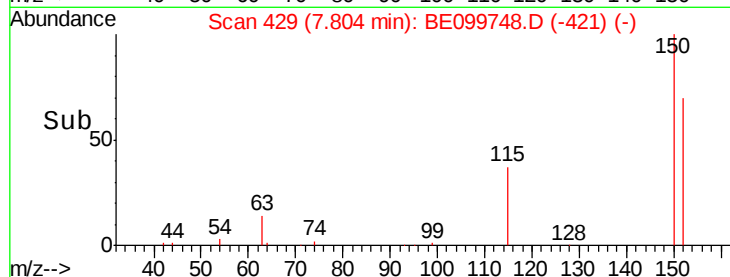
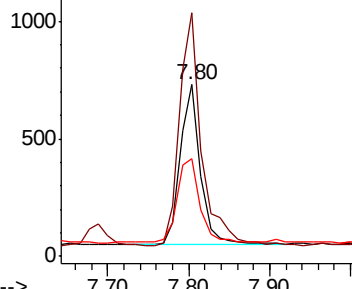
Tot Ion	Ratio	Lower	Upper
152	100		
150	141.7	109.2	163.8
115	57.2	43.7	65.5

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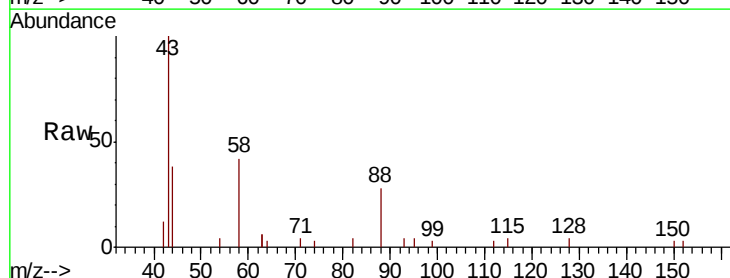
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



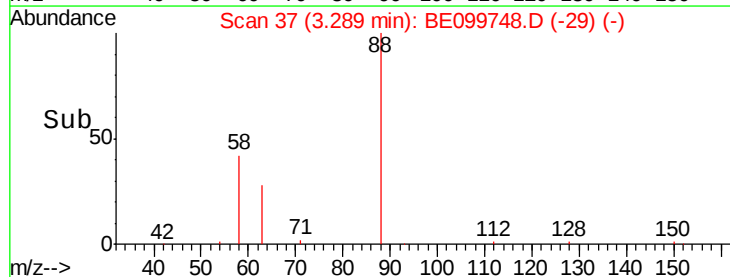
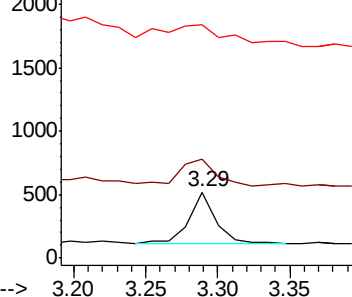
#2

1,4-Dioxane
Concen: 0.295 ng
RT: 3.29 min Scan# 37
Delta R.T. -0.01 min
Lab File: BE099748.D
Acq: 24 May 2019 18:33

Tgt Ion	Ratio	Lower	Upper
88	100		
58	59.5	41.8	62.8
43	70.2	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





#3

n-Nitrosodimethylamine

Concen: 0.424 ng

RT: 3.61 min Scan# 65

Delta R.T. -0.02 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

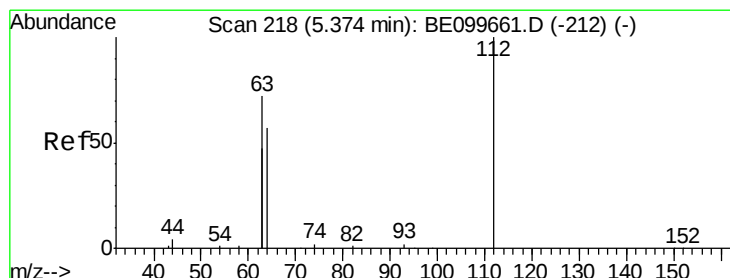
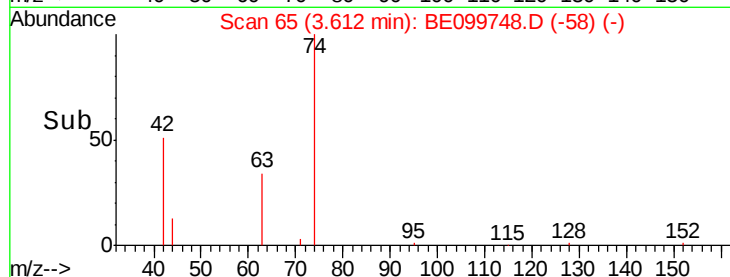
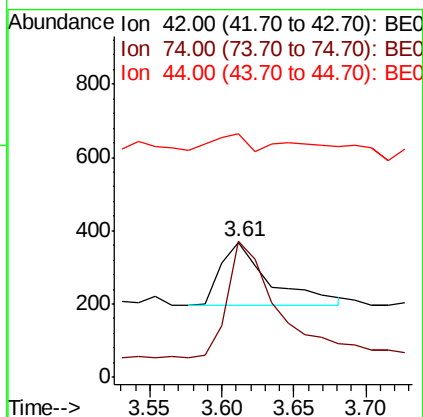
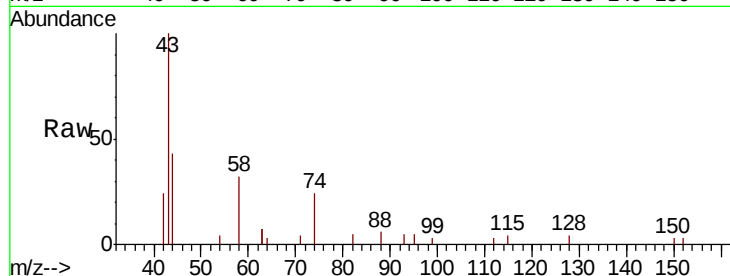
ClientSampleId :

PB120039BSD

Tot Ion:	42	Resp:	407
Ion	Ratio	Lower	Upper
42	100		
74	186.0	129.2	193.8
44	17.9	0.0	0.0#

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#4

2-Fluorophenol

Concen: 0.411 ng

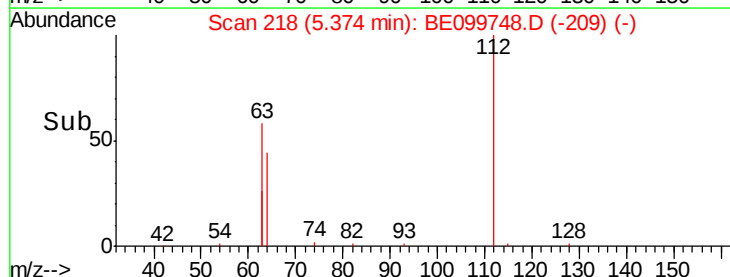
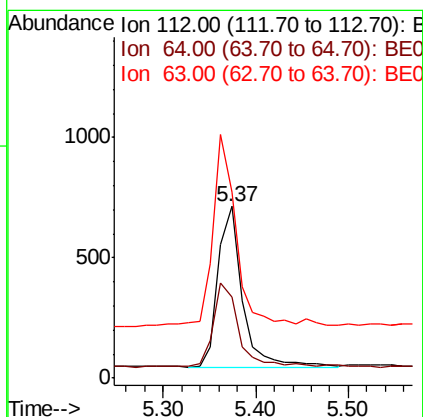
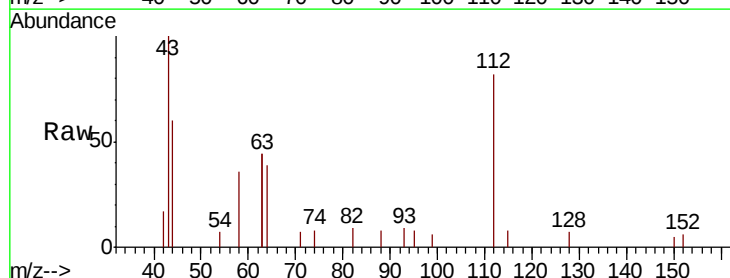
RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Tgt Ion:	112	Resp:	1218
Ion	Ratio	Lower	Upper
112	100		
64	53.9	43.4	65.2
63	111.7	96.9	145.3





#5

Phenol-d6

Concen: 0.372 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

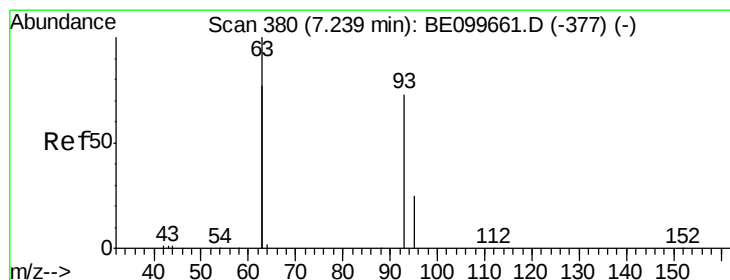
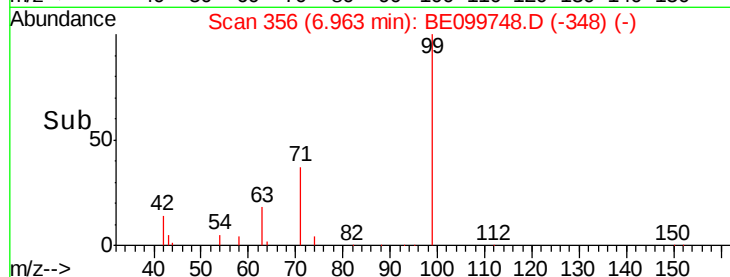
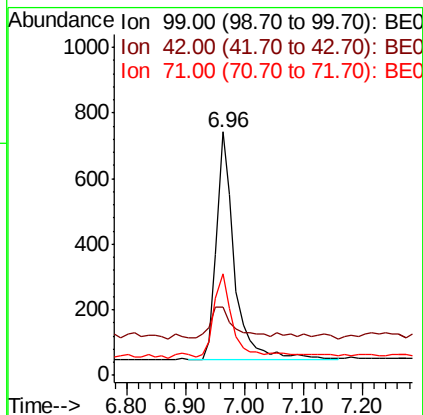
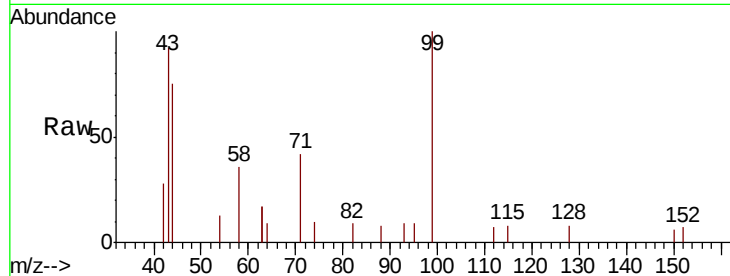
ClientSampleId :

PB120039BSD

Tot Ion:	99	Resp:	1459
Ion	Ratio	Lower	Upper
99	100		
42	17.2	12.2	18.2
71	35.7	28.9	43.3

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#6

bis(2-Chloroethyl)ether

Concen: 0.355 ng

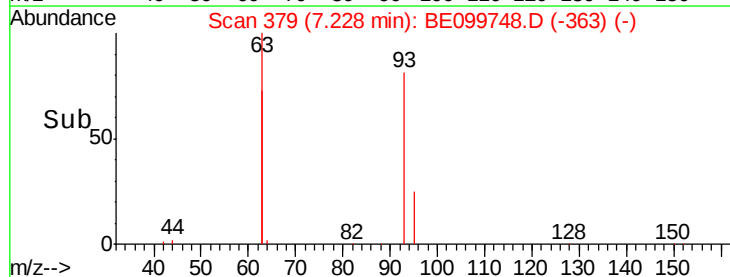
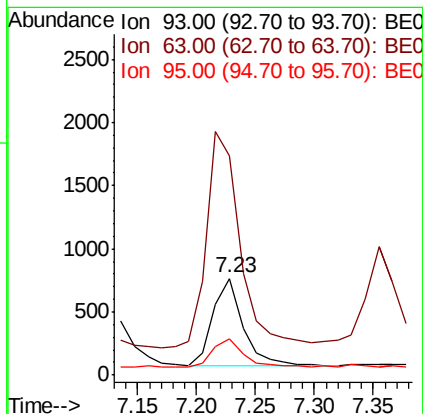
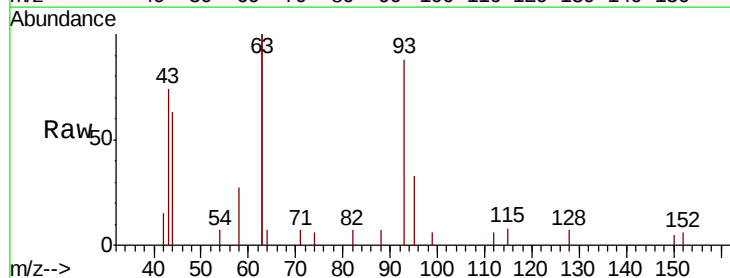
RT: 7.23 min Scan# 379

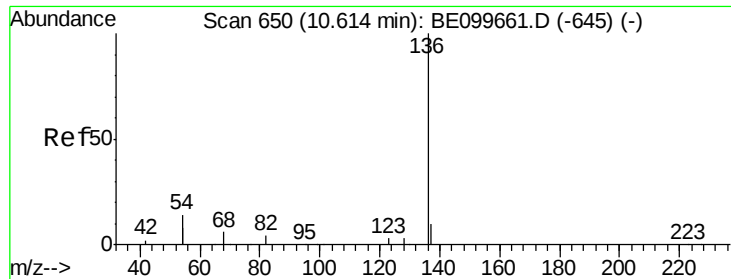
Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Tgt Ion:	93	Resp:	1240
Ion	Ratio	Lower	Upper
93	100		
63	270.2	207.8	311.6
95	34.2	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: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

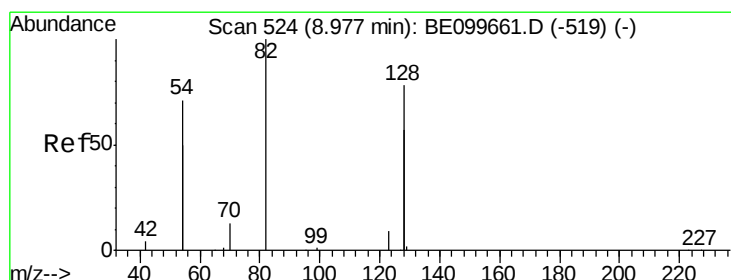
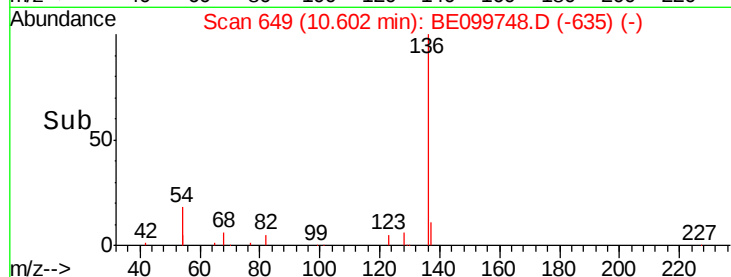
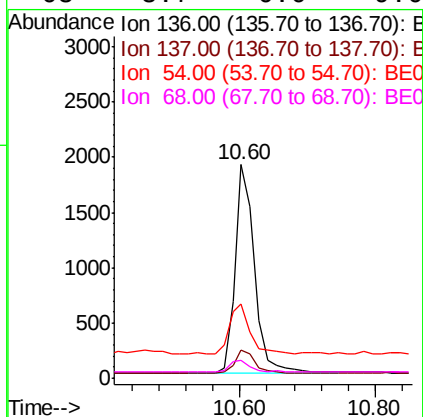
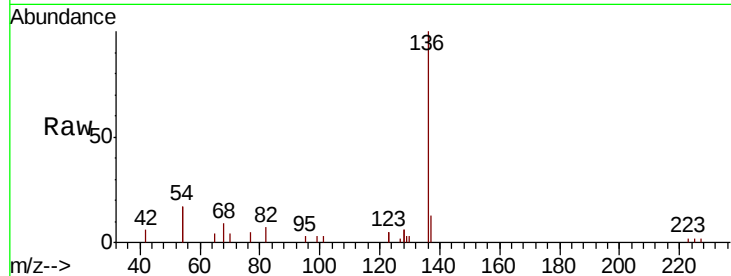
ClientSampleId :

PB120039BSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	3851		
137	13.5	9.0	13.6	
54	34.5	22.3	33.5	
68	8.7	6.0	9.0	

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#8

Nitrobenzene-d5

Concen: 0.391 ng

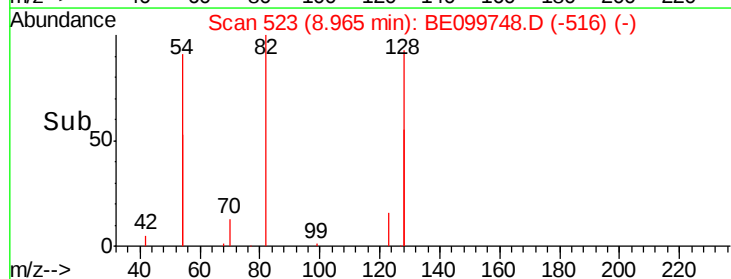
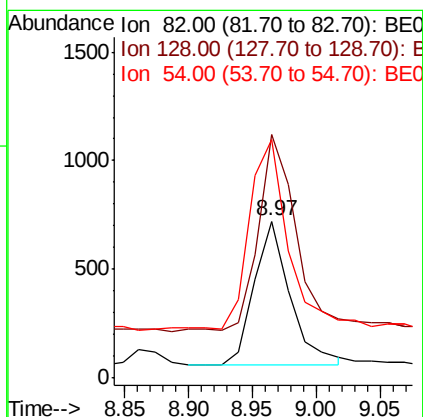
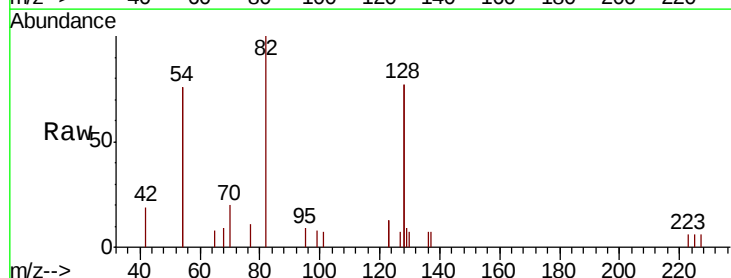
RT: 8.97 min Scan# 523

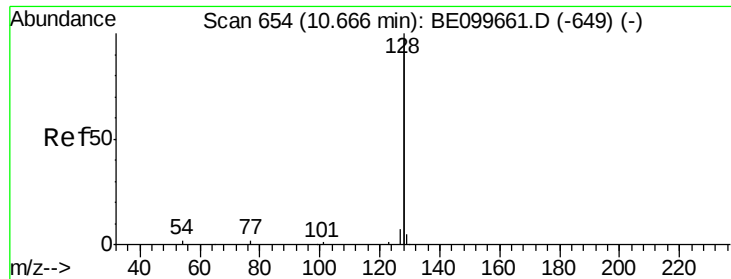
Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1303		
128	154.9	117.7	176.5	
54	151.9	106.6	160.0	





#9

Naphthalene

Concen: 0.382 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

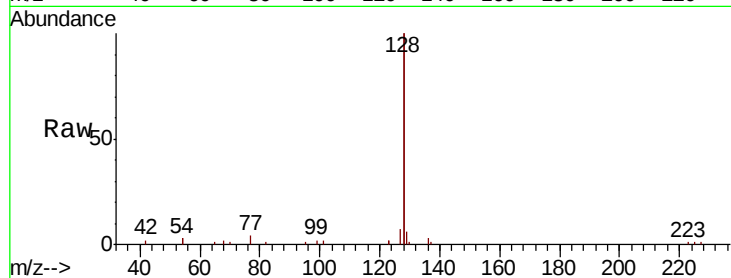
ClientSampleId :

PB120039BSD

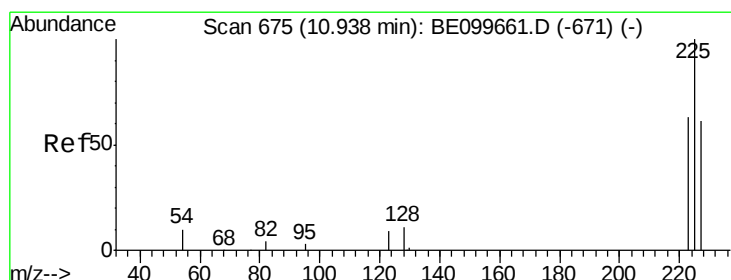
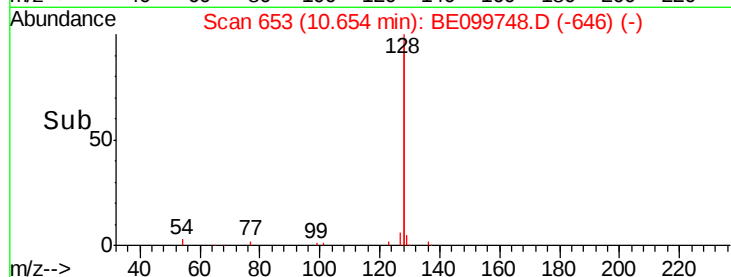
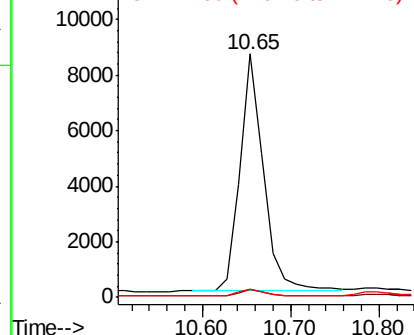
Tot Ion:128	Resp:	15750
Ion Ratio	Lower	Upper
128 100		
129 3.2	2.4	3.6
127 3.4	2.9	4.3

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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: 0.376 ng

RT: 10.93 min Scan# 674

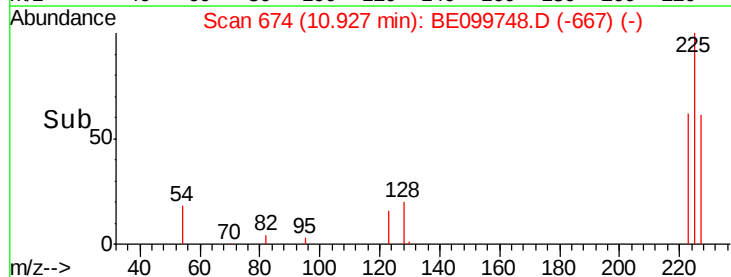
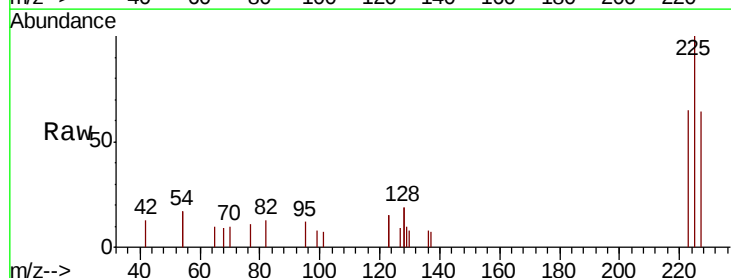
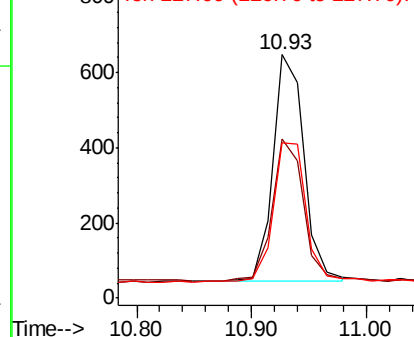
Delta R.T. -0.01 min

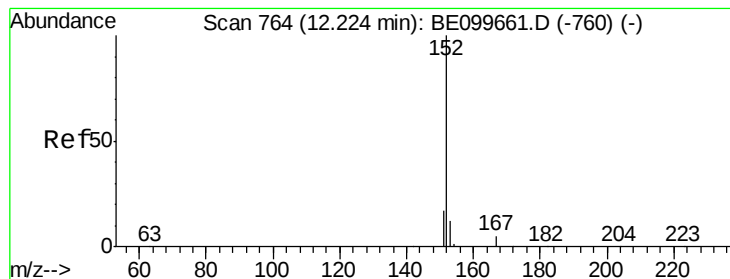
Lab File: BE099748.D

Acq: 24 May 2019 18:33

Tgt Ion:225	Resp:	1140
Ion Ratio	Lower	Upper
225 100		
223 62.8	51.8	77.6
227 65.0	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





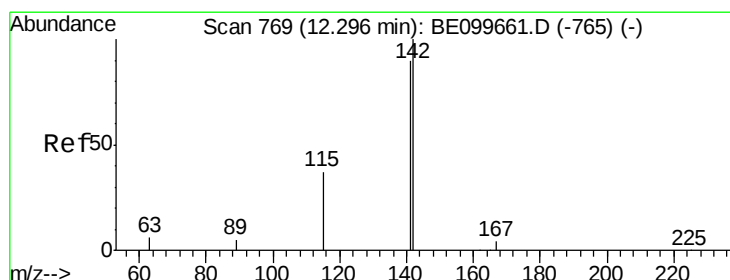
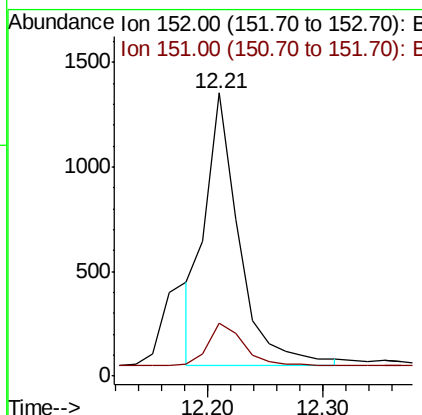
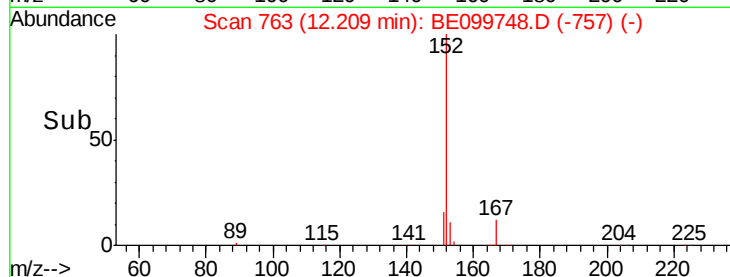
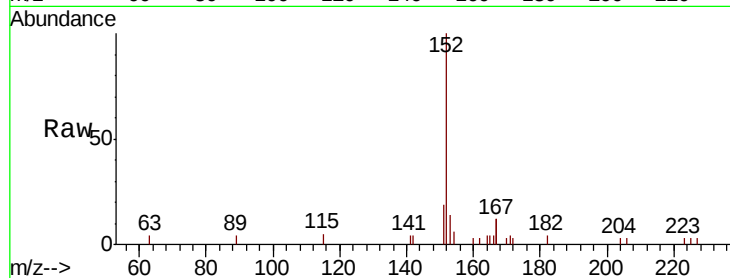
#11
2-Methylnaphthalene-d10
Concen: 0.398 ng m
RT: 12.21 min Scan# 763
Delta R.T. -0.01 min
Lab File: BE099748.D
Acq: 24 May 2019 18:33

Instrument :
BNA_E
ClientSampleId :
PB120039BSD

Tot Ion:152 Resp: 2645
Ion Ratio Lower Upper
152 100
151 17.2 15.0 22.4

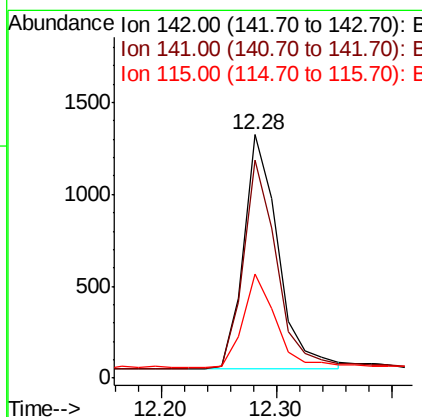
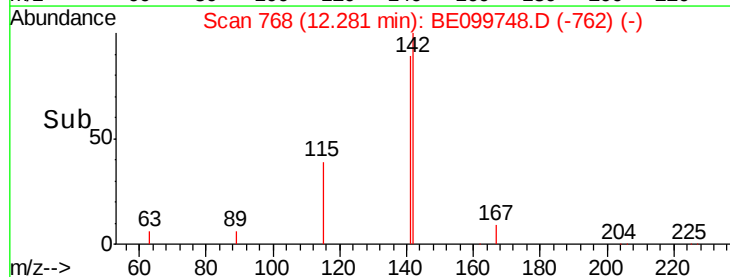
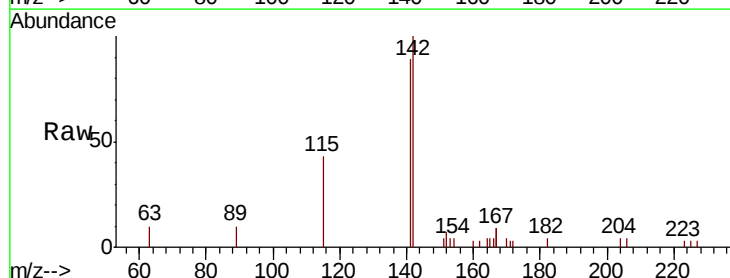
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#12
2-Methylnaphthalene
Concen: 0.393 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.01 min
Lab File: BE099748.D
Acq: 24 May 2019 18:33

Tgt Ion:142 Resp: 2638
Ion Ratio Lower Upper
142 100
141 89.4 72.0 108.0
115 42.5 31.0 46.4





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

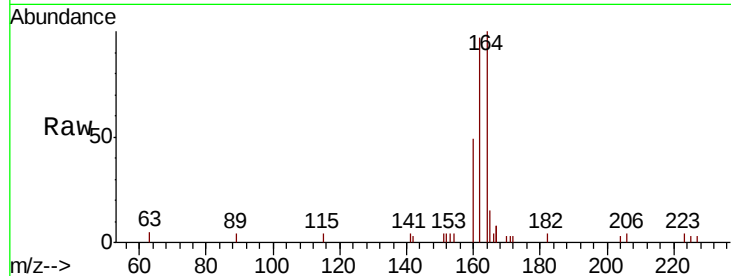
ClientSampleId :

PB120039BSD

Tot Ion:	164	Resp:	2596
Ion Ratio	Lower	Upper	
164	100		
162	96.6	76.5	114.7
160	49.0	37.4	56.2

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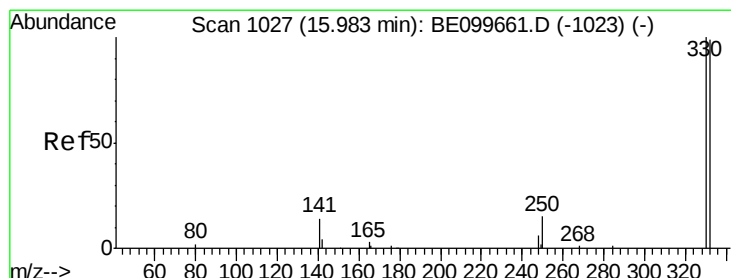
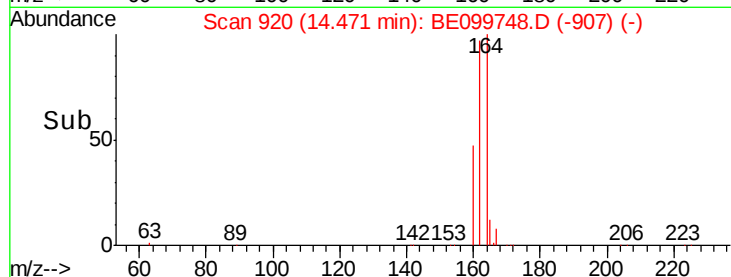
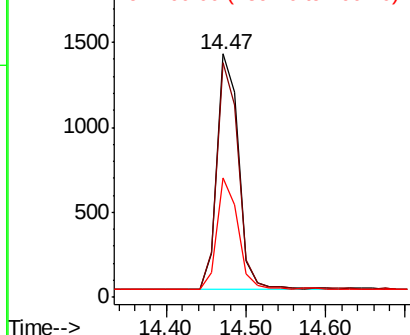


Abundance

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: 0.409 ng

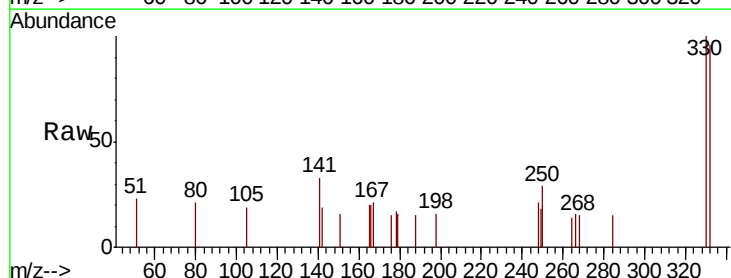
RT: 15.97 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Tgt Ion:	330	Resp:	550
Ion Ratio	Lower	Upper	
330	100		
332	94.5	77.3	115.9
141	24.2	18.9	28.3

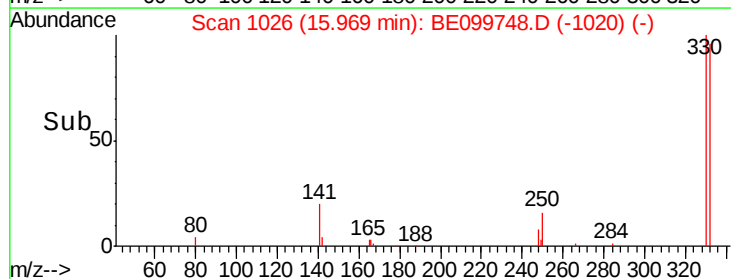
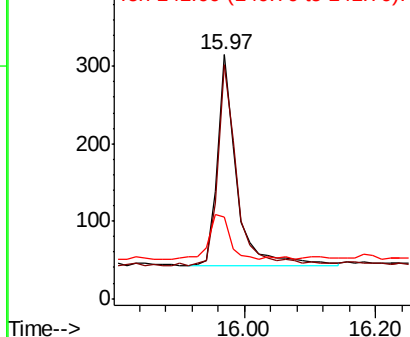


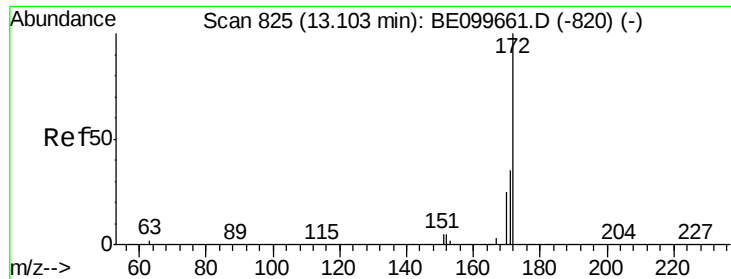
Abundance

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





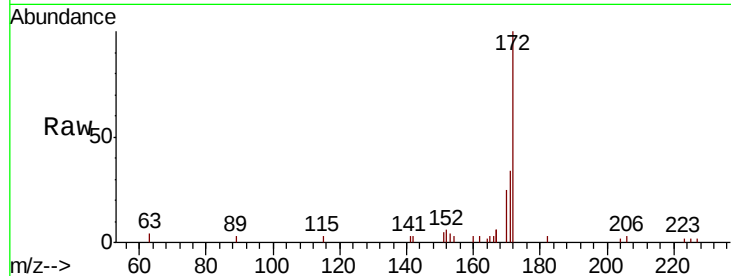
#15
2-Fluorobiphenyl
Concen: 0.382 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099748.D
Acq: 24 May 2019 18:33

Instrument :
BNA_E
ClientSampleId :
PB120039BSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.7	43.1
170	24.8	20.9	31.3

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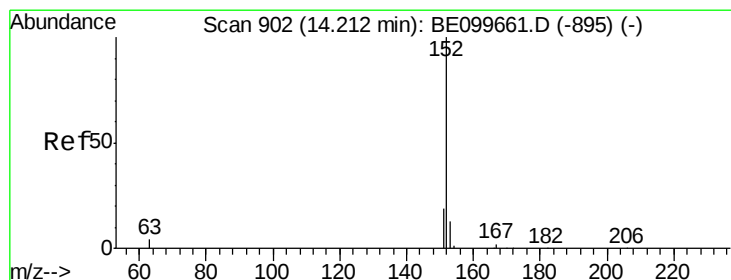
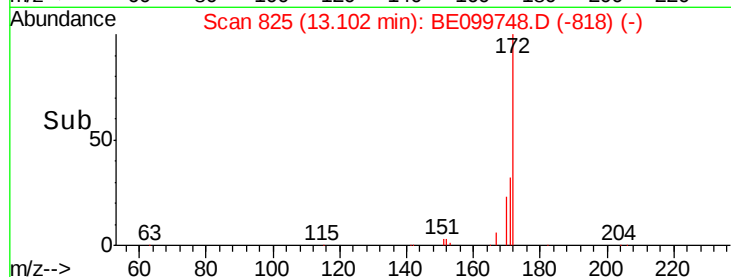
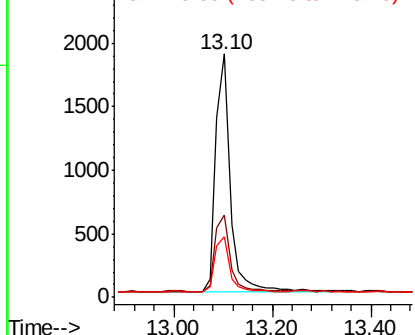


Abundance

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: 0.379 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099748.D
Acq: 24 May 2019 18:33

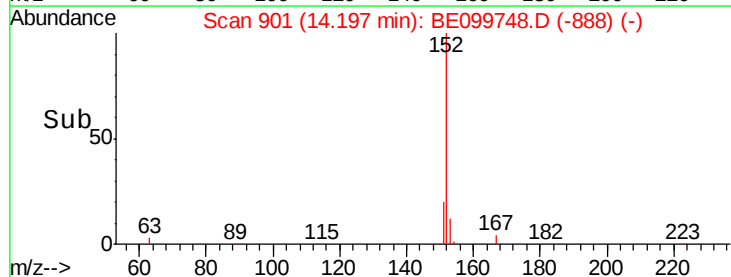
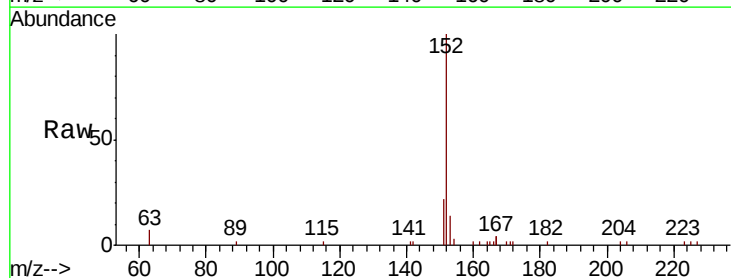
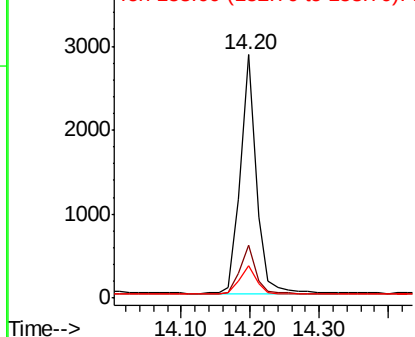
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.9	23.9
153	13.3	10.6	16.0

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





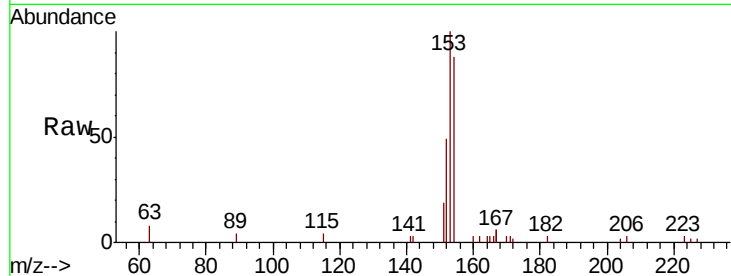
#17
Acenaphthene
Concen: 0.367 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099748.D
Acq: 24 May 2019 18:33

Instrument :
BNA_E
ClientSampleID :
PB120039BSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	119.2	91.8	137.6
152	59.3	46.0	69.0

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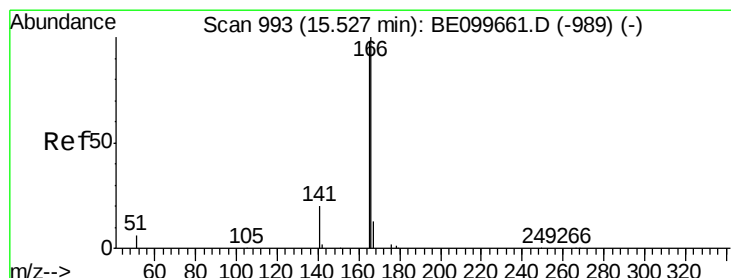
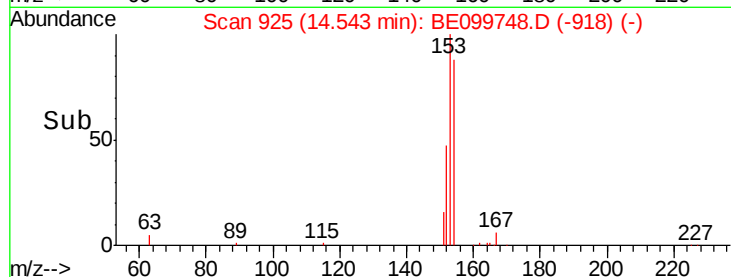
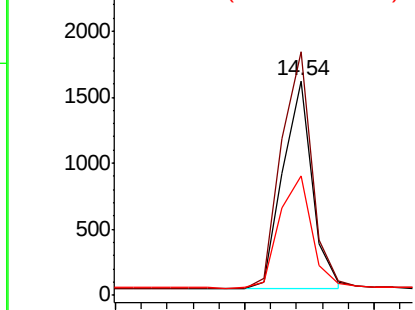


Abundance

Ion 154.00 (153.70 to 154.70): E

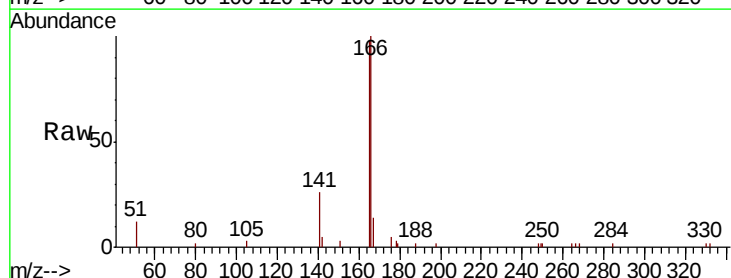
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.366 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.01 min
Lab File: BE099748.D
Acq: 24 May 2019 18:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.8	80.3	120.5
167	13.2	10.6	16.0

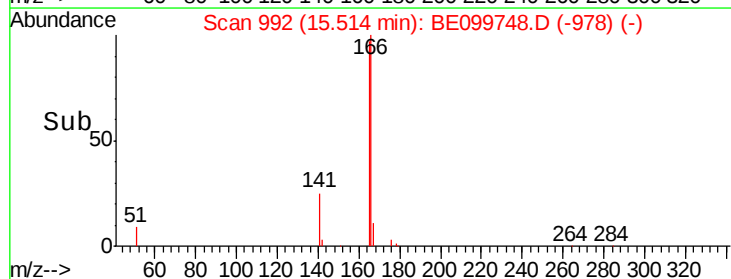
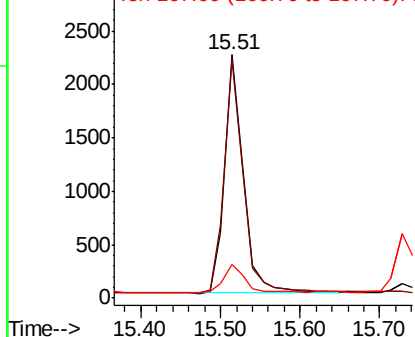


Abundance

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





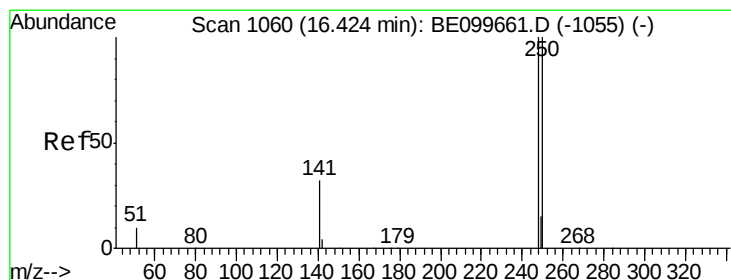
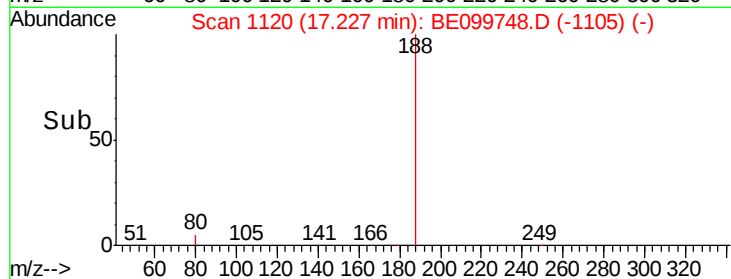
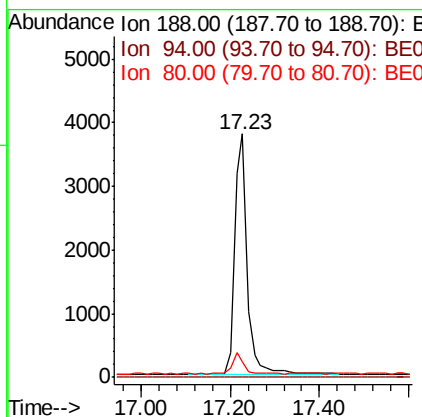
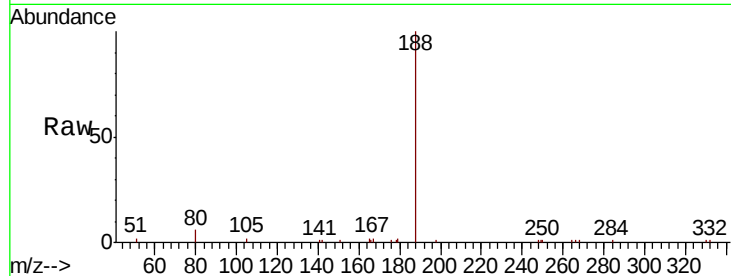
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE099748.D
Acq: 24 May 2019 18:33

Instrument :
BNA_E
ClientSampleId :
PB120039BSD

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.2	6.7	10.1#

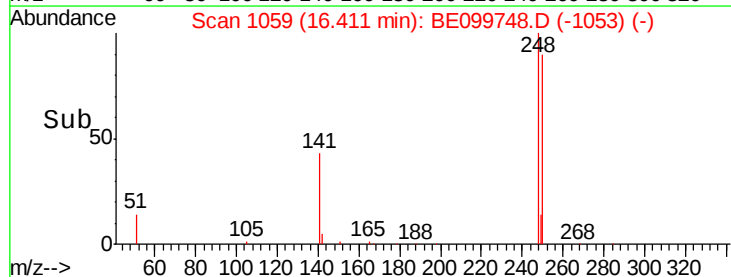
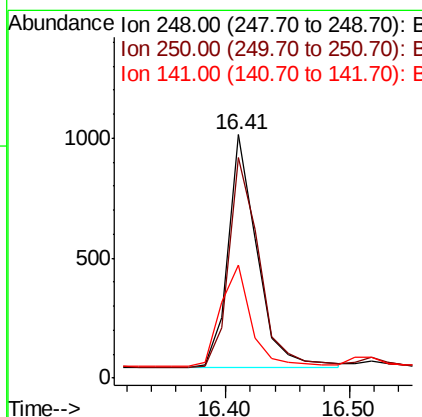
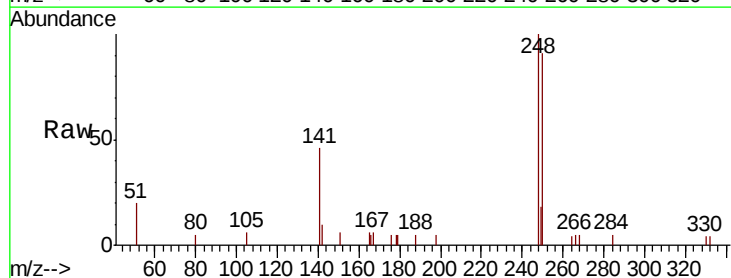
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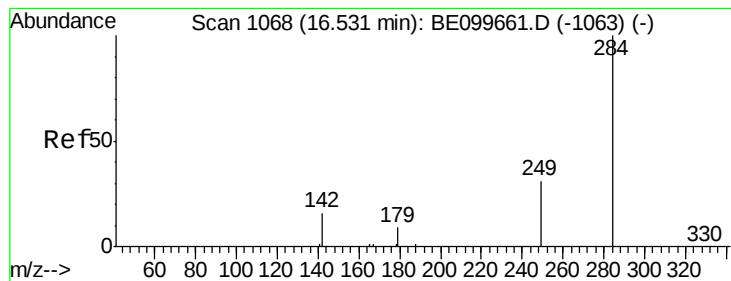
mohammad
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#20
4-Bromophenyl-phenylether
Concen: 0.373 ng
RT: 16.41 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BE099748.D
Acq: 24 May 2019 18:33

Tgt Ion	Ratio	Lower	Upper
248	100		
250	90.5	79.8	119.8
141	46.4	27.0	40.6#





#21

Hexachlorobenzene

Concen: 0.371 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

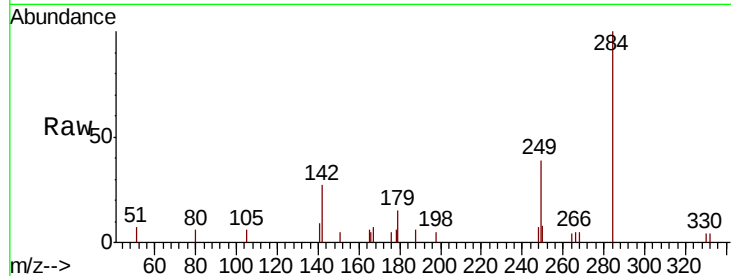
ClientSampled :

PB120039BSD

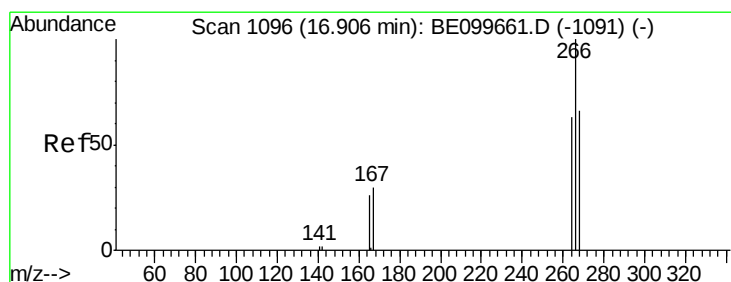
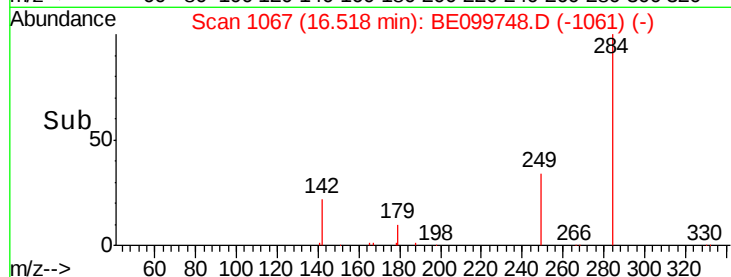
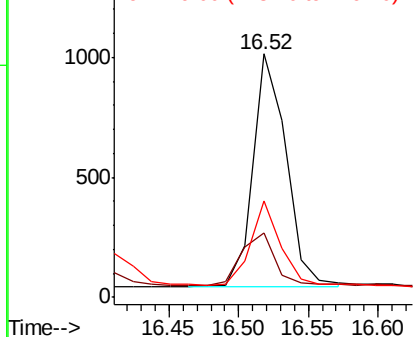
Tot Ion:	284	Resp:	1606
Ion Ratio	Lower	Upper	
284	100		
142	23.3	17.8	26.6
249	31.9	24.8	37.2

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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: 1.002 ng

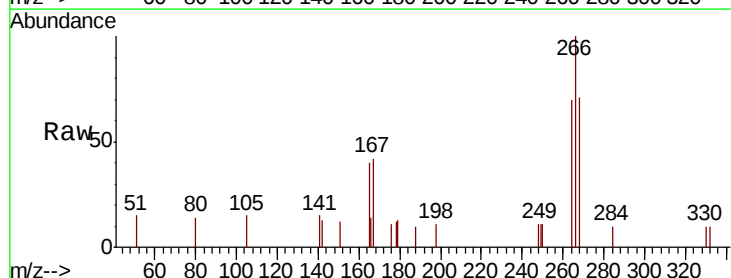
RT: 16.88 min Scan# 1094

Delta R.T. -0.03 min

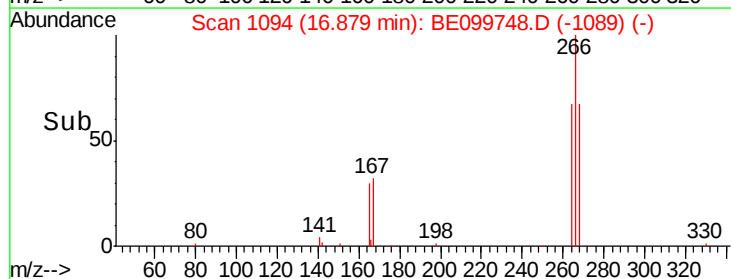
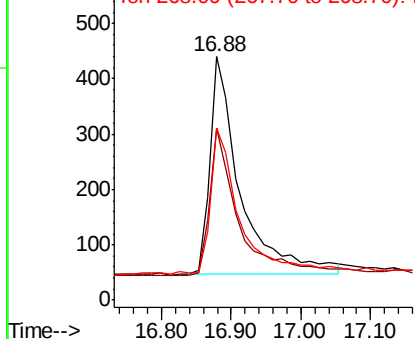
Lab File: BE099748.D

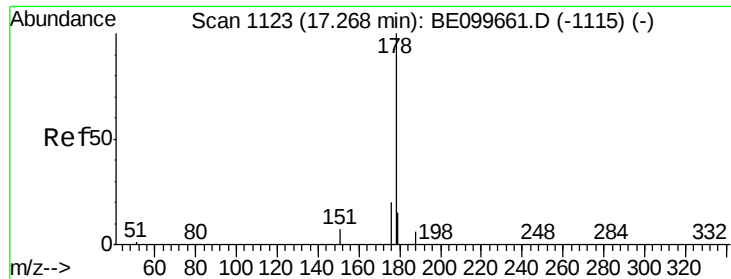
Acq: 24 May 2019 18:33

Tgt Ion:	266	Resp:	1187
Ion Ratio	Lower	Upper	
266	100		
264	70.5	57.2	85.8
268	70.7	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





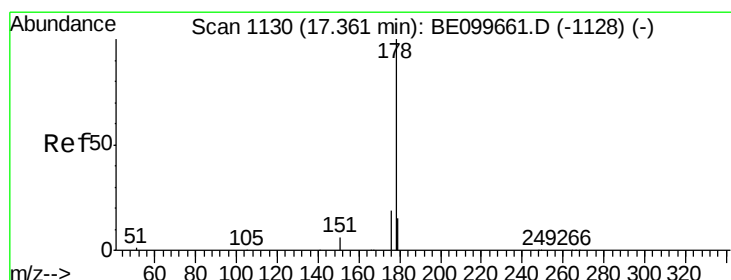
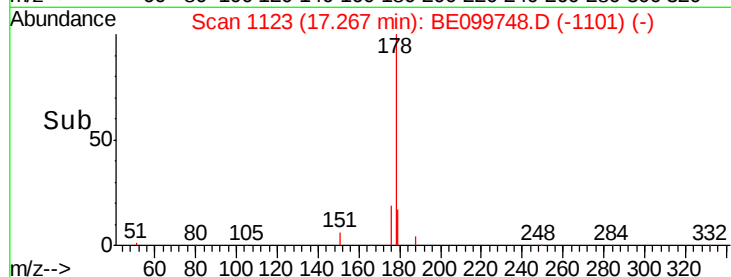
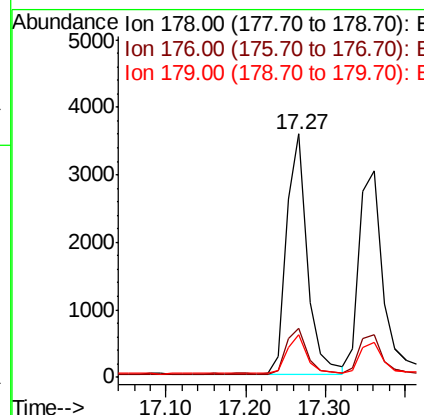
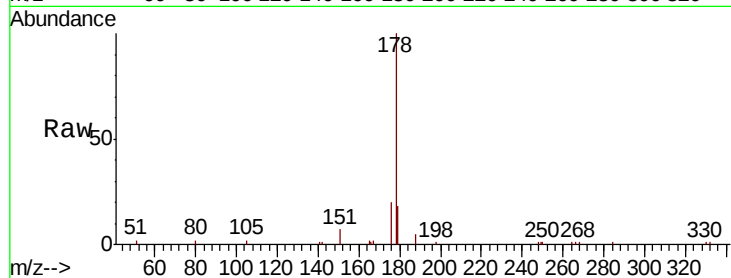
#23
Phenanthrene
Concen: 0.362 ng
RT: 17.27 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE099748.D
Acq: 24 May 2019 18:33

Instrument :
BNA_E
ClientSampleId :
PB120039BSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.6	23.4
179	15.8	12.2	18.4

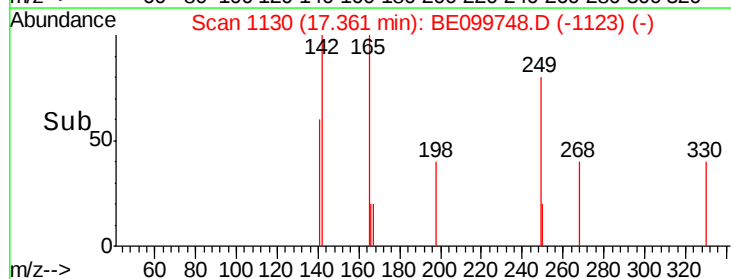
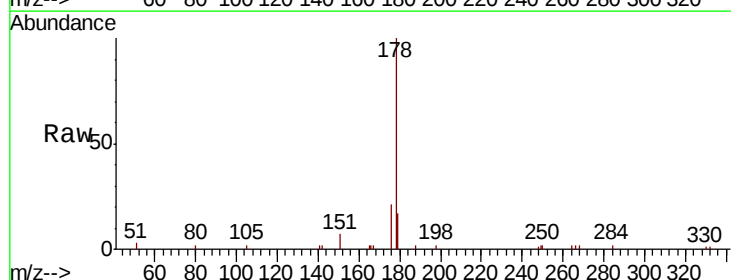
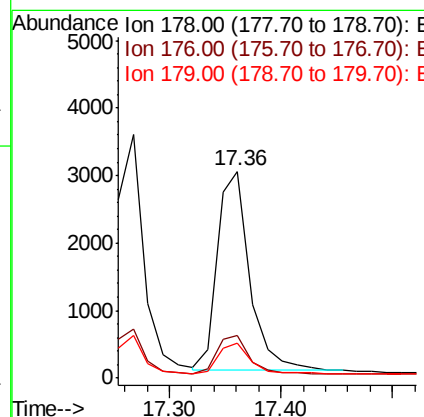
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#24
Anthracene
Concen: 0.369 ng
RT: 17.36 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BE099748.D
Acq: 24 May 2019 18:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.7	22.1
179	15.1	12.0	18.0





#25

Fluoranthene-d10

Concen: 0.356 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

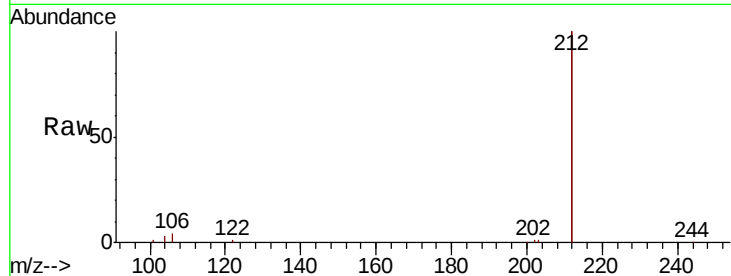
ClientSampleId :

PB120039BSD

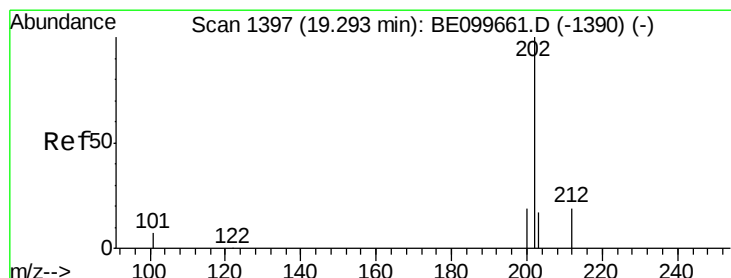
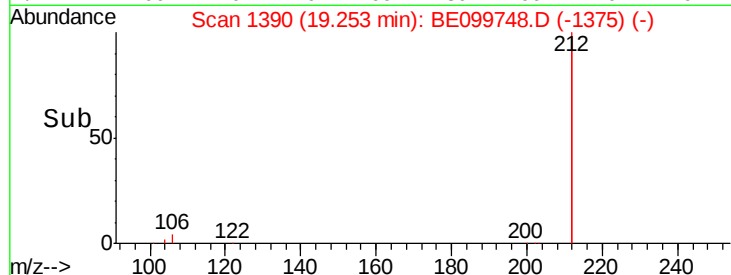
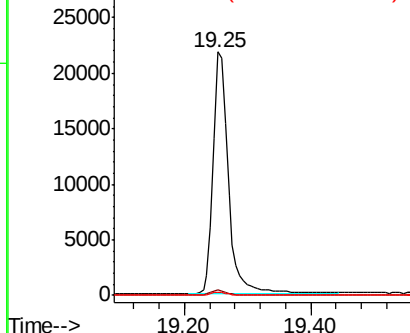
Tot Ion:	212	Resp:	35675
Ion Ratio	Lower	Upper	
212	100		
106	1.9	1.4	2.2
104	1.1	0.8	1.2

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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: 0.359 ng

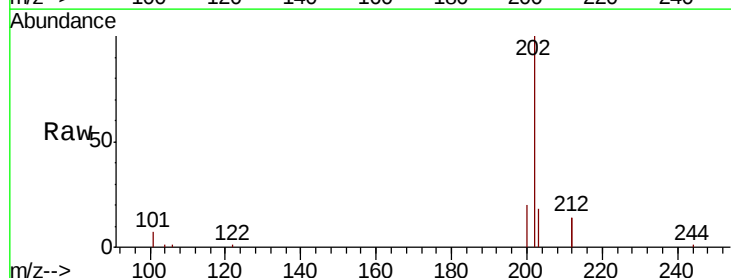
RT: 19.29 min Scan# 1396

Delta R.T. -0.01 min

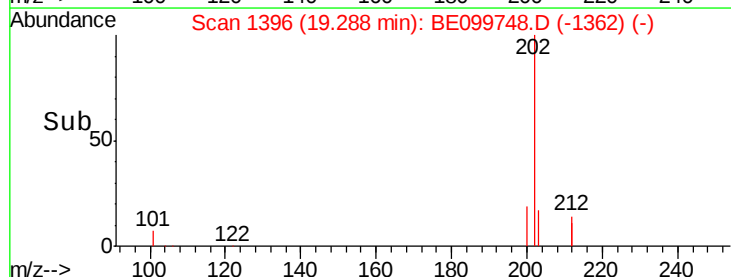
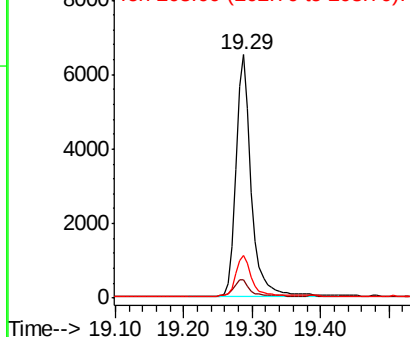
Lab File: BE099748.D

Acq: 24 May 2019 18:33

Tgt Ion:	202	Resp:	10173
Ion Ratio	Lower	Upper	
202	100		
101	6.9	5.2	7.8
203	17.0	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: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

ClientSampleId :

PB120039BSD

Tot Ion:240 Resp: 12088

Ion Ratio Lower Upper

240 100

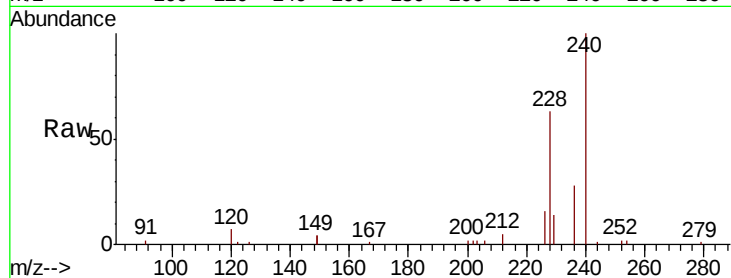
120 7.1 5.4 8.0

236 28.3 21.7 32.5

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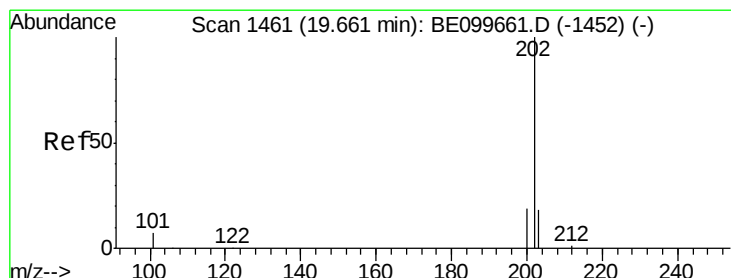
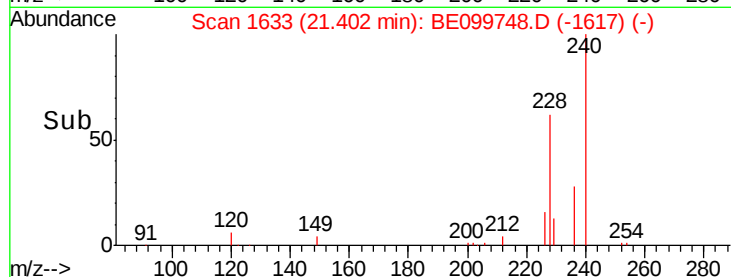
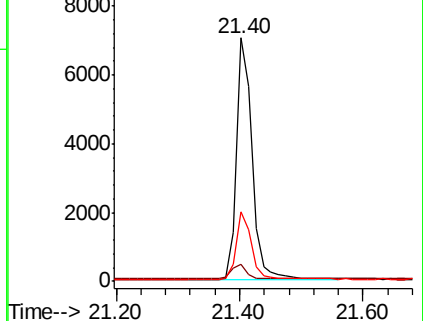
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.354 ng

RT: 19.65 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

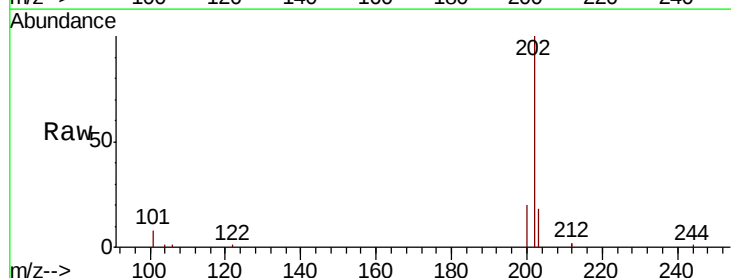
Tgt Ion:202 Resp: 10757

Ion Ratio Lower Upper

202 100

200 19.5 15.4 23.2

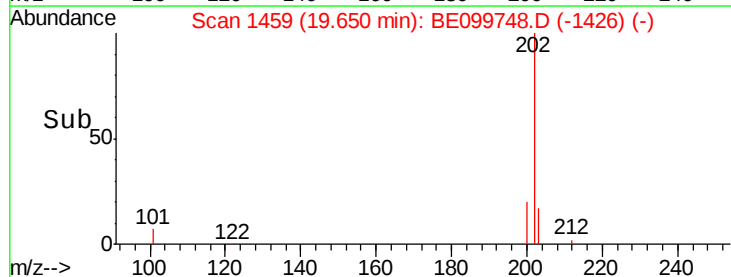
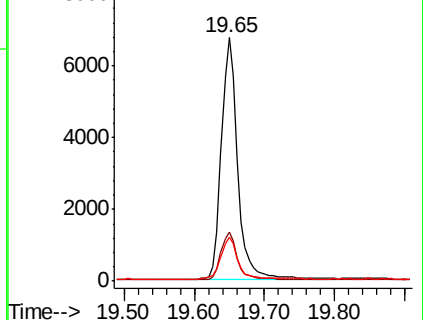
203 18.4 13.8 20.8

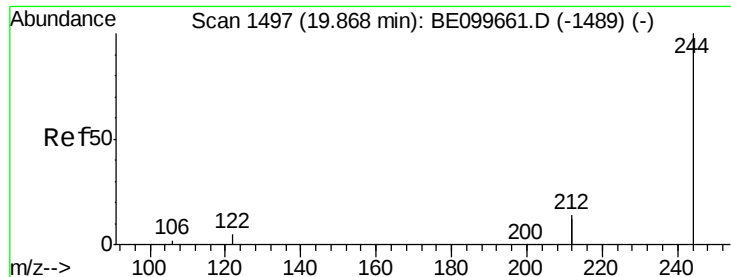


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.370 ng

RT: 19.86 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

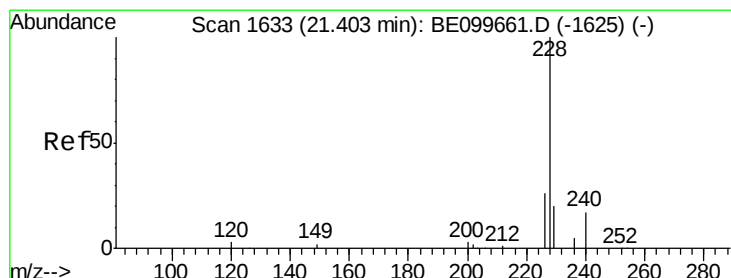
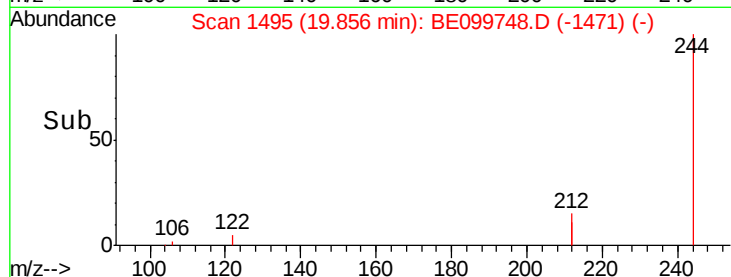
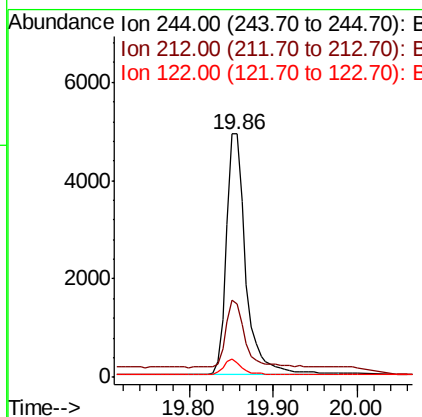
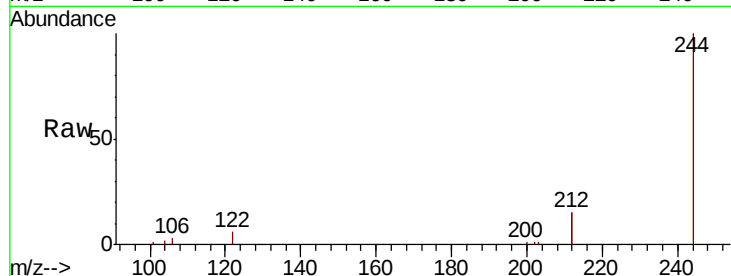
ClientSampleId :

PB120039BSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	29.9	22.5	33.7
122	6.0	4.3	6.5

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#30

Benzo(a)anthracene

Concen: 0.432 ng

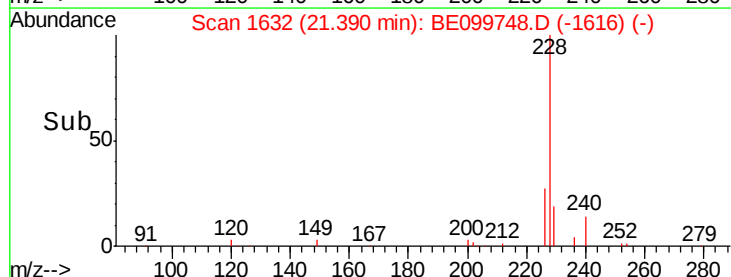
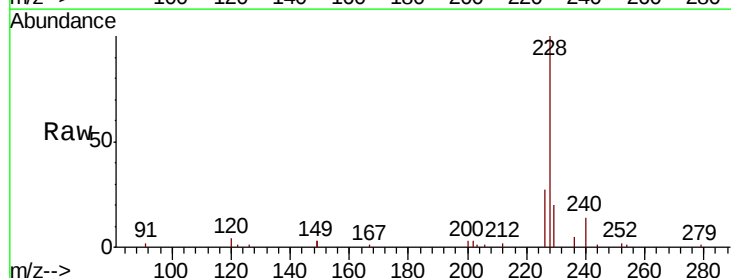
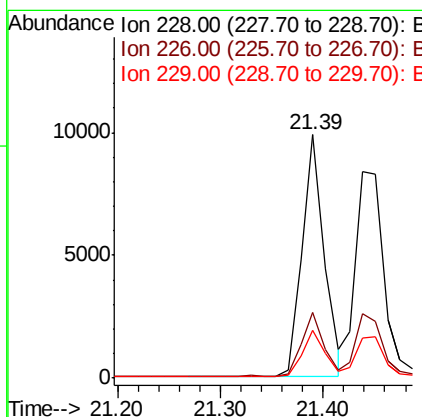
RT: 21.39 min Scan# 1632

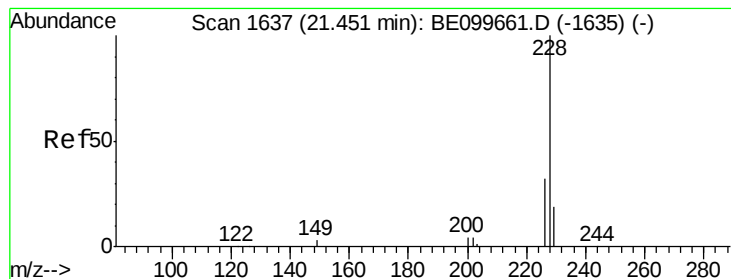
Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.3	31.9
229	19.8	16.1	24.1





#31

Chrysene

Concen: 0.421 ng

RT: 21.44 min Scan# 1636

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

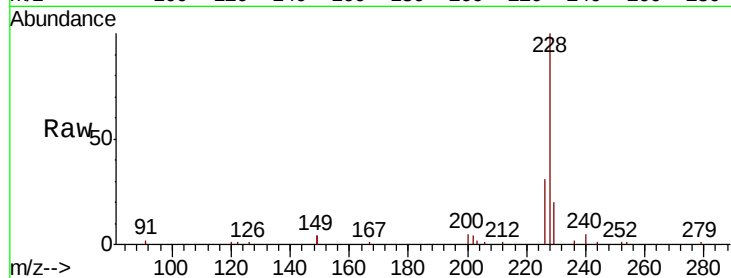
ClientSampleID :

PB120039BSD

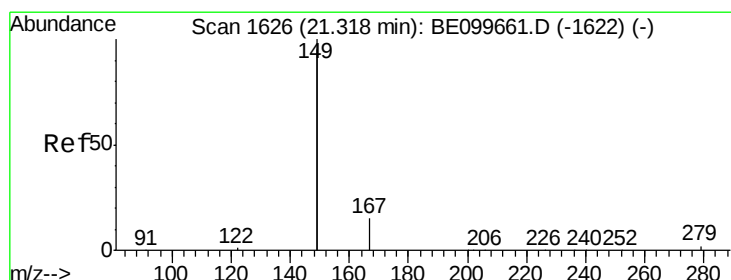
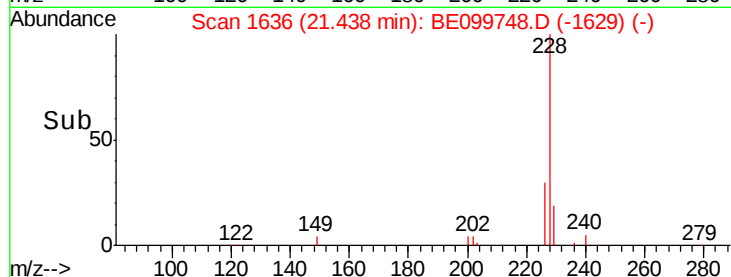
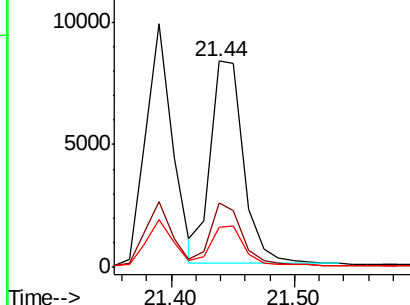
Tot Ion:	228	Resp:	15455
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.7	37.1
229	19.7	15.8	23.6

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.446 ng

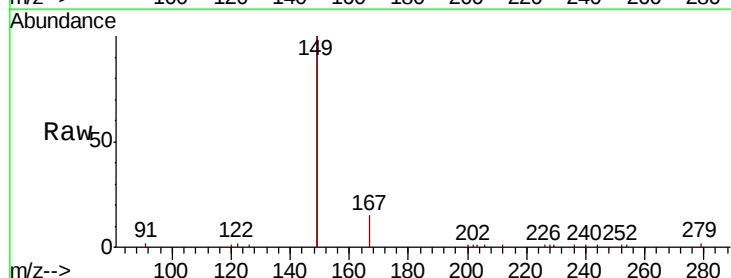
RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

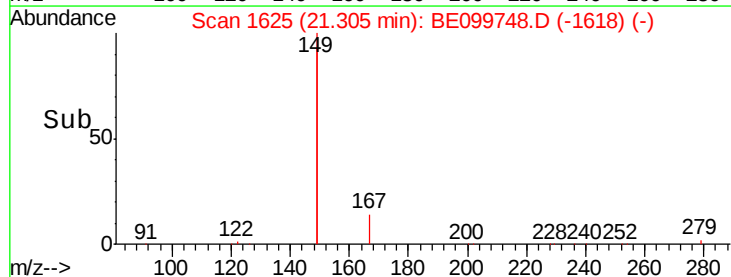
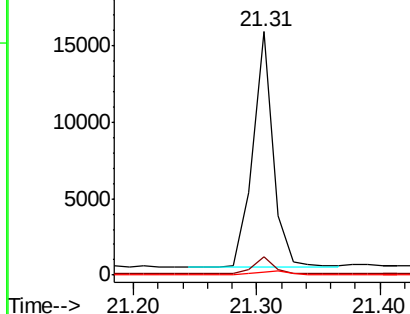
Lab File: BE099748.D

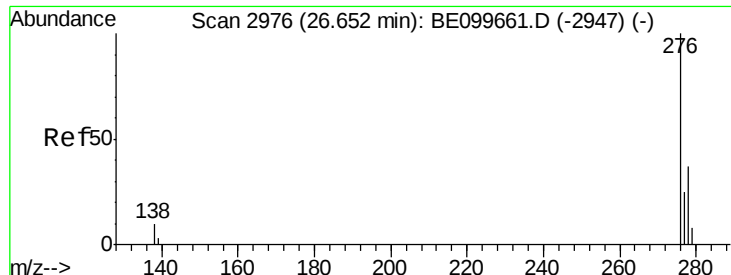
Acq: 24 May 2019 18:33

Tgt Ion:	149	Resp:	17652
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





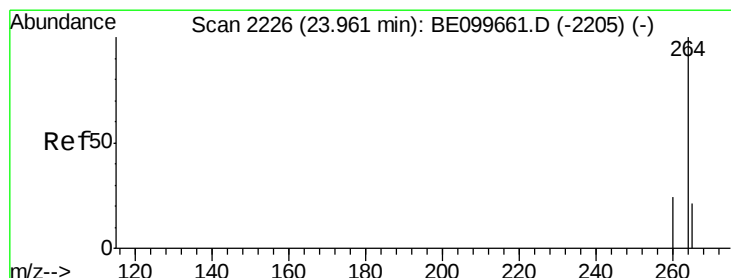
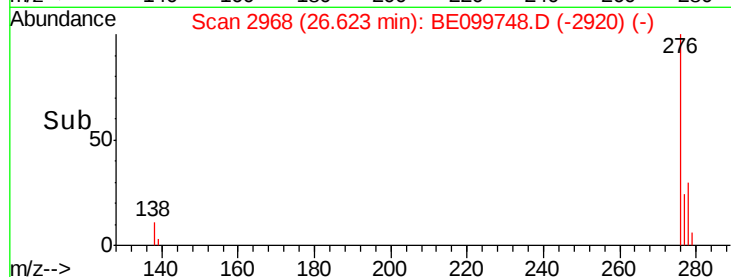
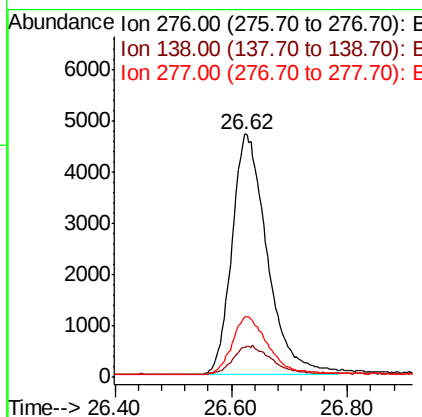
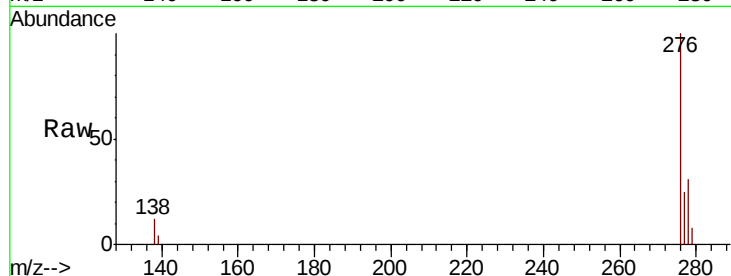
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.447 ng
 RT: 26.62 min Scan# 2968
 Delta R.T. -0.03 min
 Lab File: BE099748.D
 Acq: 24 May 2019 18:33

Instrument :
 BNA_E
 ClientSampleId :
 PB120039BSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.7	9.6	14.4
277	24.1	19.2	28.8

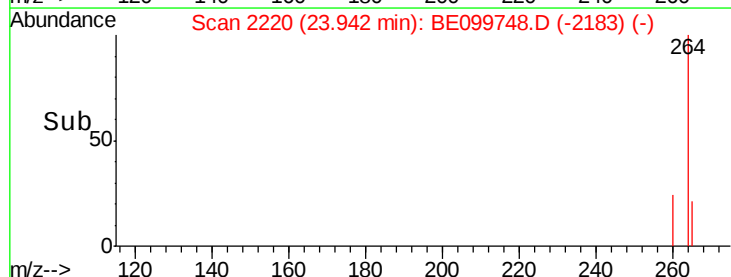
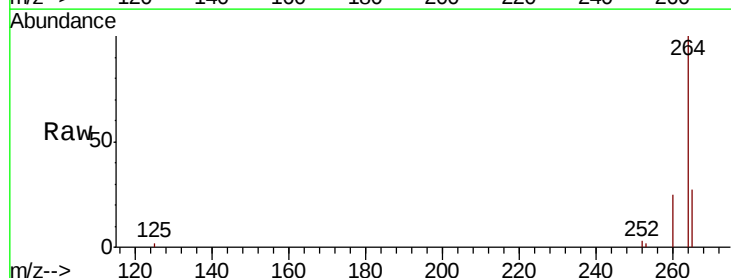
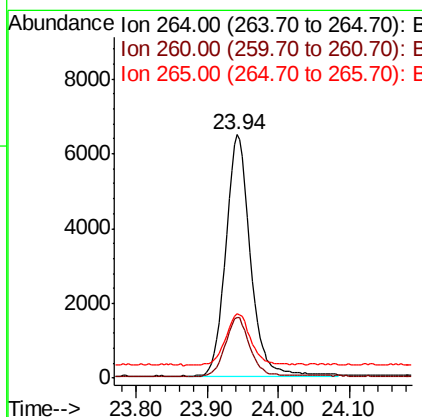
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.94 min Scan# 2220
 Delta R.T. -0.02 min
 Lab File: BE099748.D
 Acq: 24 May 2019 18:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.6	29.4
265	26.5	19.1	28.7





#35

Benzo(b)fluoranthene

Concen: 0.370 ng

RT: 23.16 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

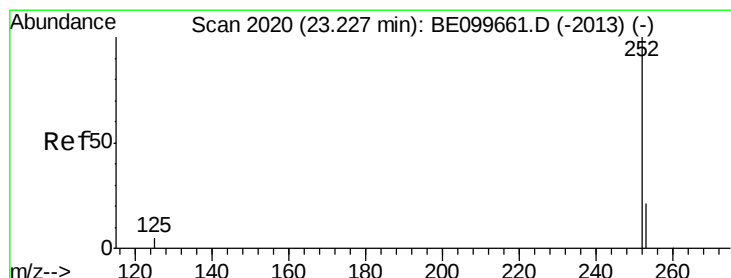
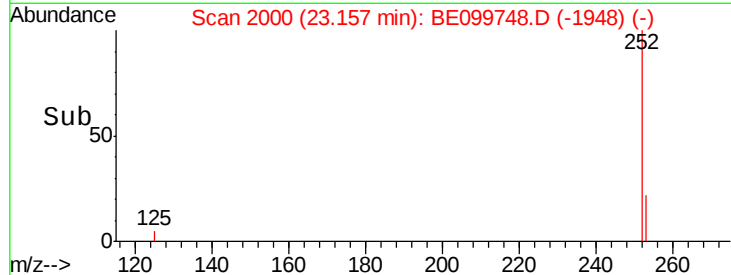
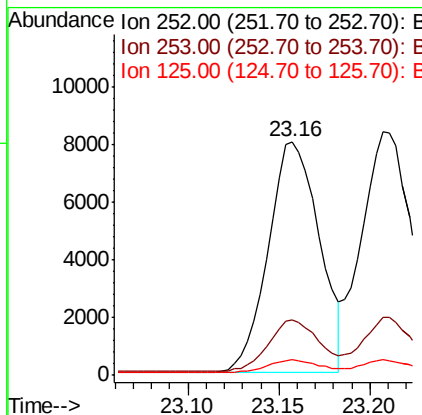
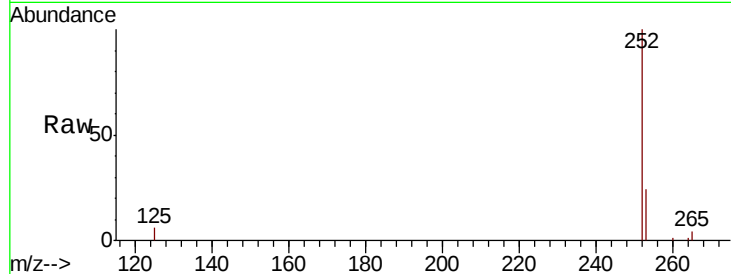
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.4
125	6.5	4.5	6.7

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#36

Benzo(k)fluoranthene

Concen: 0.385 ng

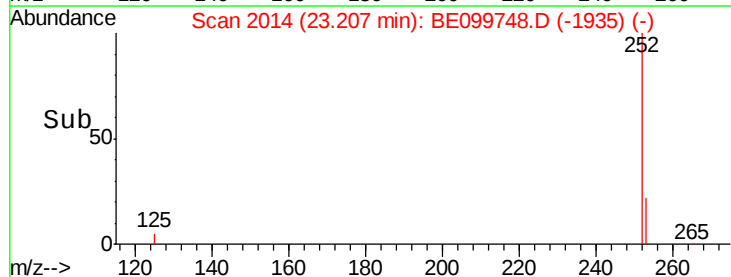
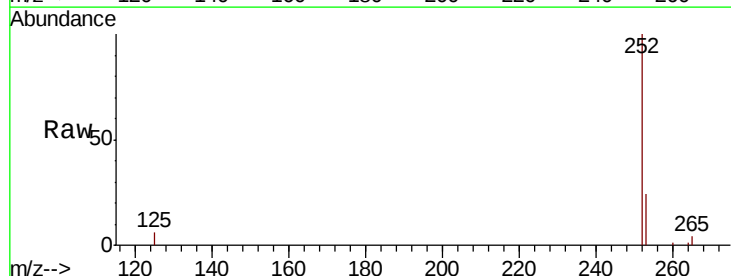
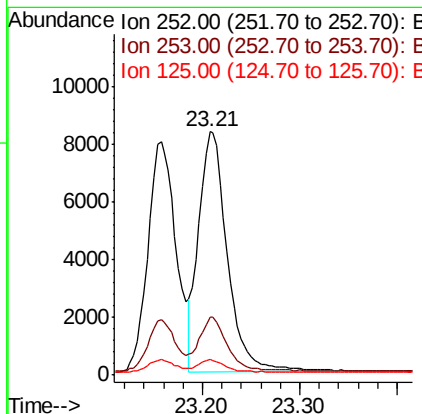
RT: 23.21 min Scan# 2014

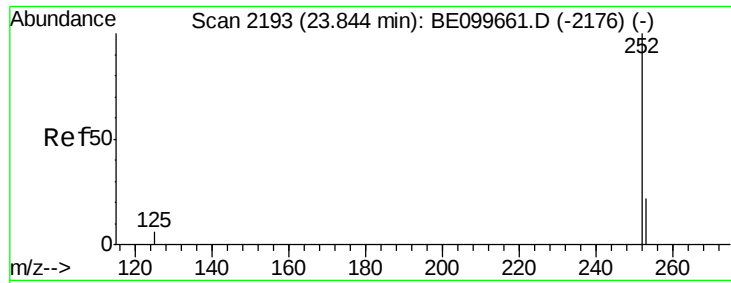
Delta R.T. -0.02 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	6.4	4.6	6.8





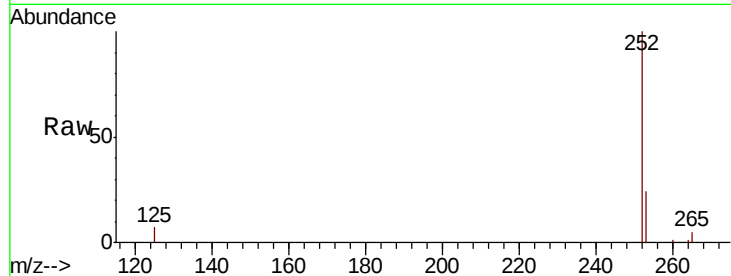
#37
Benzo(a)pyrene
Concen: 0.398 ng
RT: 23.82 min Scan# 2187
Delta R.T. -0.02 min
Lab File: BE099748.D
Acq: 24 May 2019 18:33

Instrument :
BNA_E
ClientSampleId :
PB120039BSD

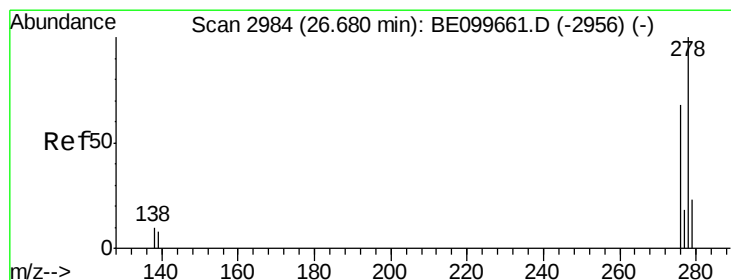
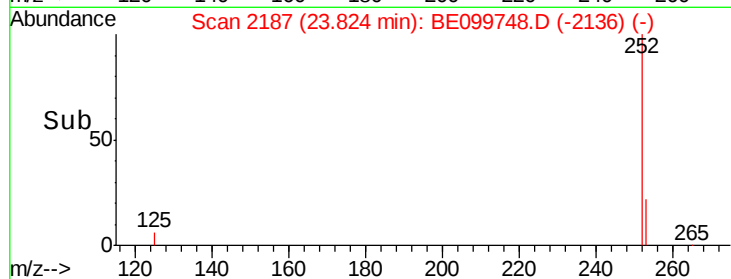
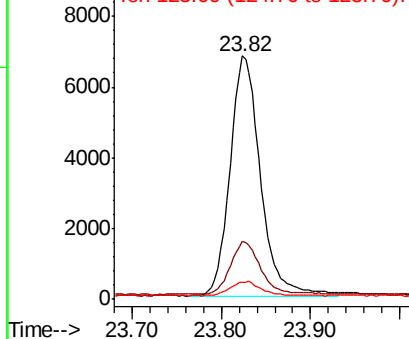
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.9	28.3
125	7.1	5.4	8.0

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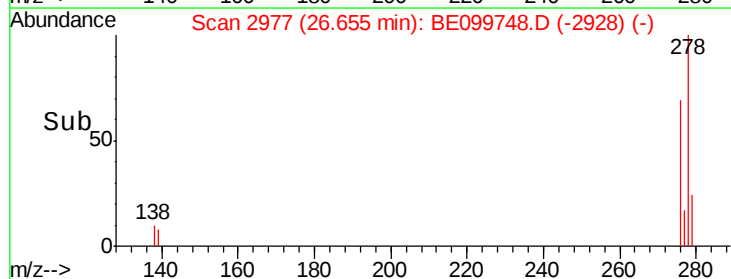
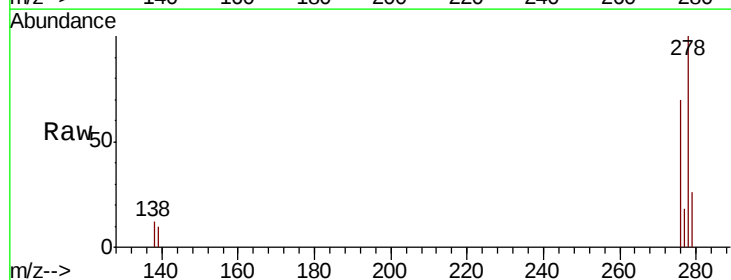
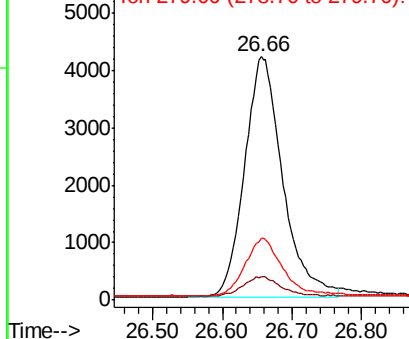
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

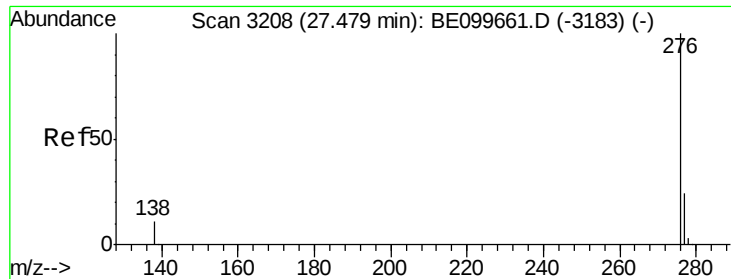


#38
Dibenzo(a,h)anthracene
Concen: 0.374 ng
RT: 26.66 min Scan# 2977
Delta R.T. -0.02 min
Lab File: BE099748.D
Acq: 24 May 2019 18:33

Tgt Ion	Ratio	Lower	Upper
278	100		
139	9.6	6.9	10.3
279	25.6	19.2	28.8

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: 0.398 ng

RT: 27.45 min Scan# 3200

Delta R.T. -0.03 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

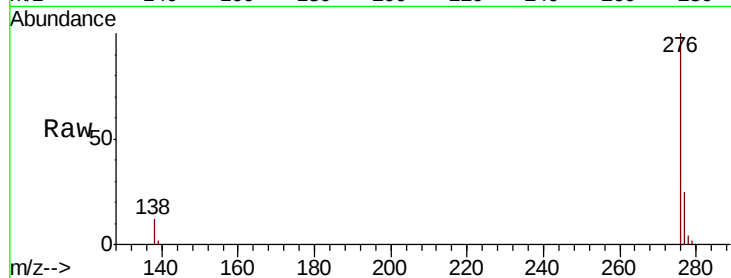
ClientSampleId :

PB120039BSD

Tot Ion:	276	Resp:	17176
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.8	29.6
138	12.2	9.2	13.8

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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

