

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102919\
 Data File : BE100694.D
 Acq On : 29 Oct 2019 14:26
 Operator : JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 29 16:43:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 16:49:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	4269	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	18615	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	11879	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	28895	0.40	ng	-0.01
27) Chrysene-d12	21.35	240	34548	0.40	ng	0.00
34) Perylene-d12	23.82	264	40927	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.45	112	5494	0.42	ng	0.00
5) Phenol-d6	7.01	99	8186	0.44	ng	0.00
8) Nitrobenzene-d5	8.99	82	5967	0.52	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	13113	0.45	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1583	0.50	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	18839	0.44	ng	0.00
25) Fluoranthene-d10	19.21	212	162378	0.44	ng	0.00
29) Terphenyl-d14	19.81	244	35444	0.47	ng	0.00

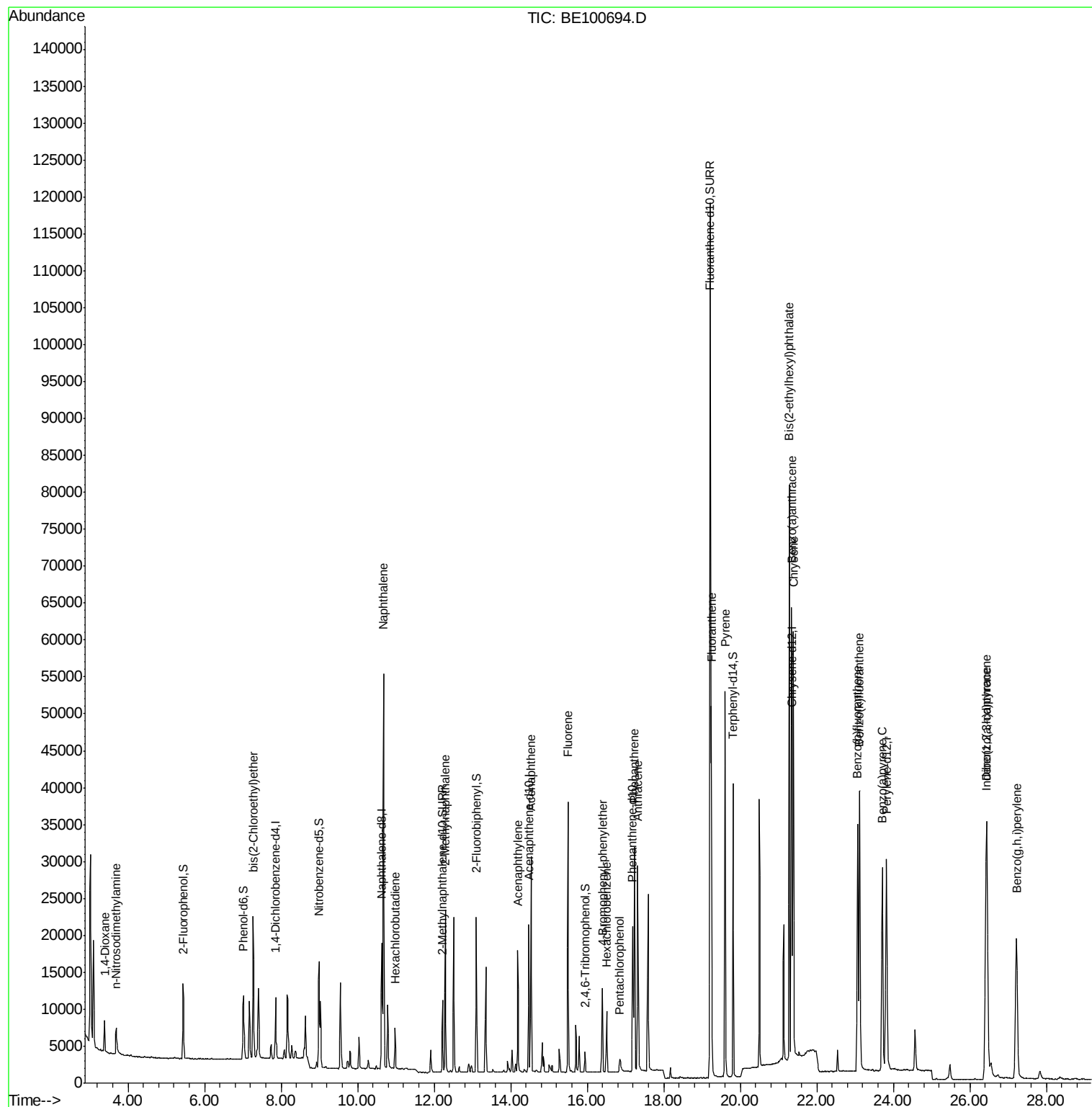
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.38	88	3340	0.438	ng	97
3) n-Nitrosodimethylamine	3.68	42	3314	0.411	ng	# 97
6) bis(2-Chloroethyl)ether	7.27	93	6939	0.455	ng	99
9) Naphthalene	10.68	128	86910	0.444	ng	100
10) Hexachlorobutadiene	10.98	225	3874	0.456	ng	98
12) 2-Methylnaphthalene	12.30	142	15047	0.451	ng	99
16) Acenaphthylene	14.18	152	20600	0.403	ng	99
17) Acenaphthene	14.53	154	14238	0.431	ng	96
18) Fluorene	15.50	166	19911	0.454	ng	99
20) 4-Bromophenyl-phenylether	16.40	248	6377	0.434	ng	# 91
21) Hexachlorobenzene	16.50	284	6211	0.443	ng	99
22) Pentachlorophenol	16.85	266	1365	0.302	ng	98
23) Phenanthrene	17.23	178	35795	0.450	ng	99
24) Anthracene	17.32	178	30583	0.415	ng	99
26) Fluoranthene	19.25	202	46198	0.445	ng	100
28) Pyrene	19.60	202	46823	0.485	ng	100
30) Benzo(a)anthracene	21.34	228	48968	0.435	ng	98
31) Chrysene	21.39	228	50044	0.444	ng	98
32) Bis(2-ethylhexyl)phthalate	21.28	149	81779	0.347	ng	100
33) Indeno(1,2,3-cd)pyrene	26.42	276	58895	0.425	ng	100
35) Benzo(b)fluoranthene	23.06	252	49361	0.414	ng	98
36) Benzo(k)fluoranthene	23.11	252	54733	0.446	ng	98
37) Benzo(a)pyrene	23.71	252	45141	0.406	ng	98
38) Dibenzo(a,h)anthracene	26.45	278	47632	0.415	ng	99
39) Benzo(g,h,i)perylene	27.22	276	49674	0.430	ng	99

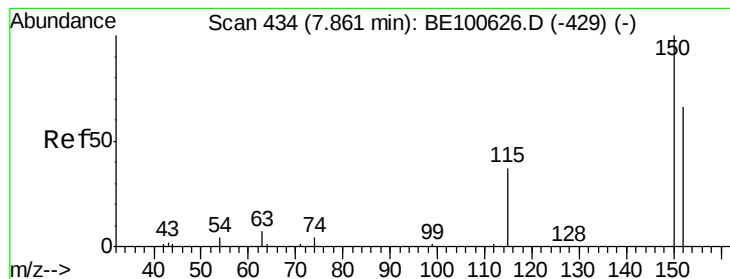
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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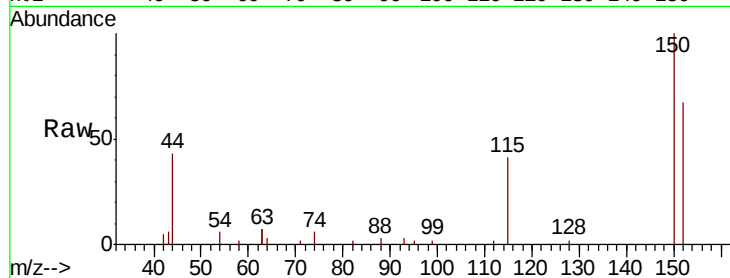


#1

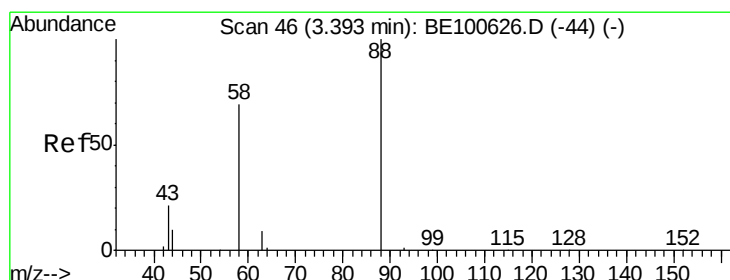
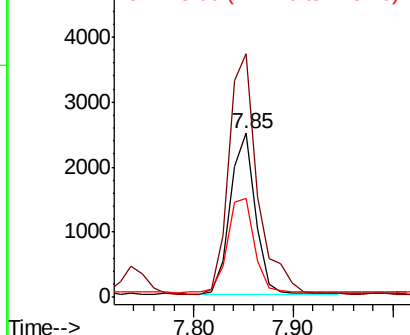
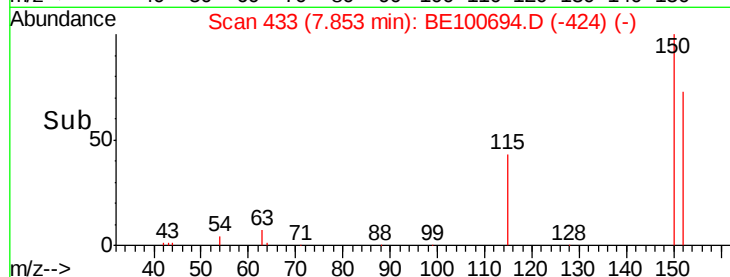
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. 0.00 min
Lab File: BE100694.D
Acq: 29 Oct 2019 14:26

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 4269
Ion Ratio Lower Upper
152 100
150 148.3 123.3 184.9
115 60.3 51.9 77.9



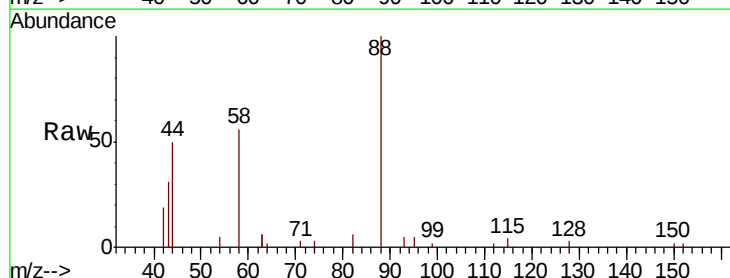
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



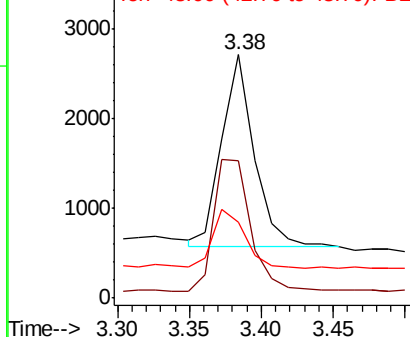
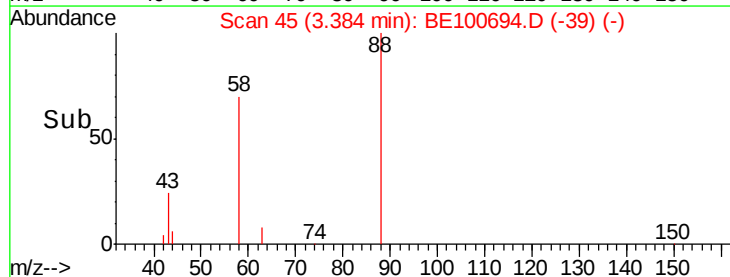
#2

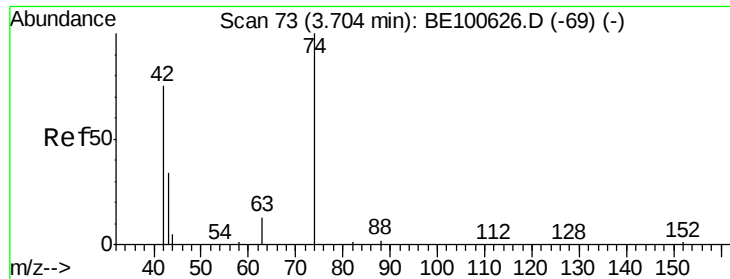
1,4-Dioxane
Concen: 0.438 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE100694.D
Acq: 29 Oct 2019 14:26

Tgt Ion: 88 Resp: 3340
Ion Ratio Lower Upper
88 100
58 77.8 59.8 89.6
43 30.0 24.6 36.8



Abundance Ion 88.00 (87.70 to 88.70): BE1
Ion 58.00 (57.70 to 58.70): BE1
Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.411 ng

RT: 3.68 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE100694.D

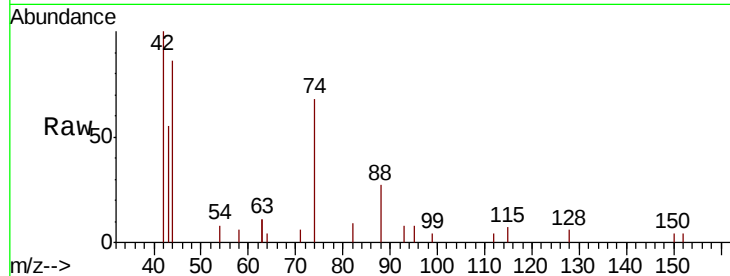
Acq: 29 Oct 2019 14:26

Instrument :

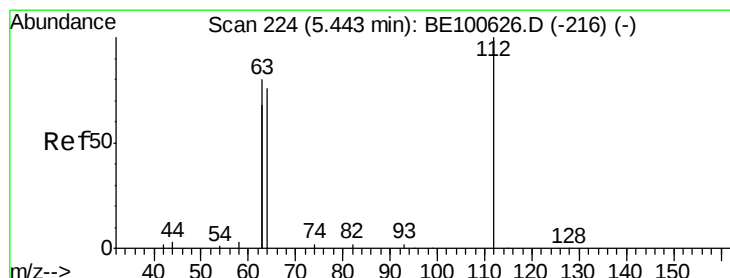
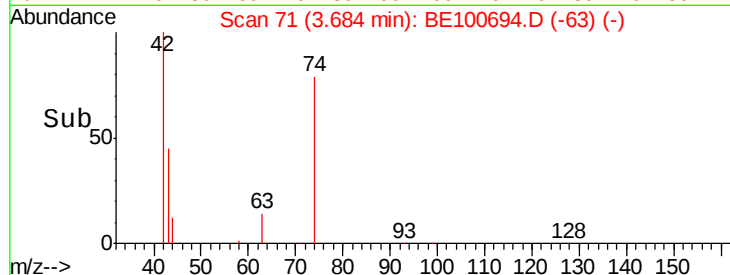
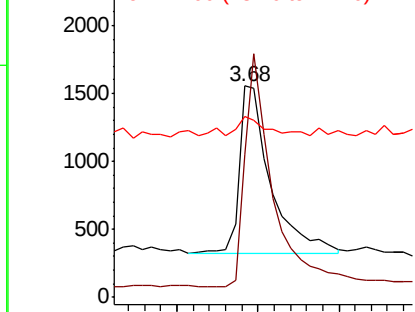
BNA_E

ClientSampleId :

Tot Ion:	42	Resp:	3314
Ion	Ratio	Lower	Upper
42	100		
74	122.1	97.2	145.8
44	11.8	16.6	24.8#



Abundance Ion 42.00 (41.70 to 42.70): BE1
Ion 74.00 (73.70 to 74.70): BE1
Ion 44.00 (43.70 to 44.70): BE1



#4

2-Fluorophenol

Concen: 0.417 ng

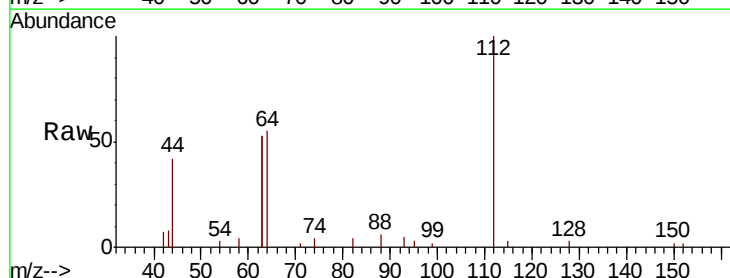
RT: 5.45 min Scan# 224

Delta R.T. 0.00 min

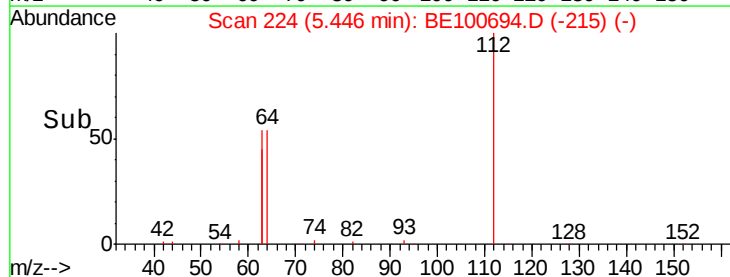
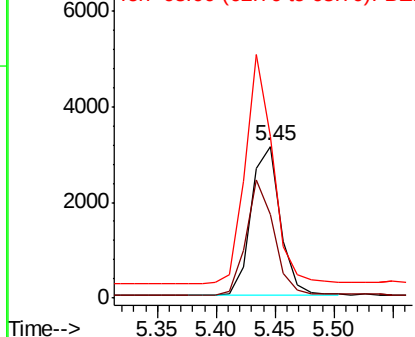
Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Tgt Ion:	112	Resp:	5494
Ion	Ratio	Lower	Upper
112	100		
64	72.0	55.4	83.2
63	143.0	114.2	171.4



Abundance Ion 112.00 (111.70 to 112.70): BE1
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.440 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Instrument :

BNA_E

ClientSampleId :

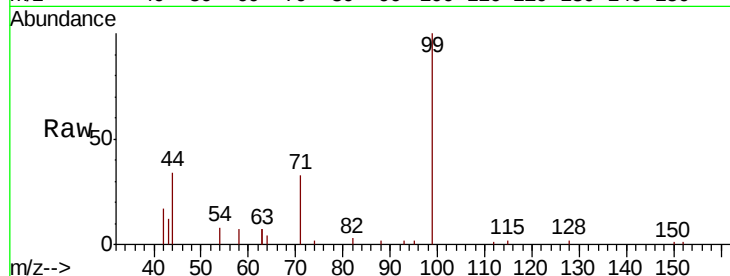
Tot Ion: 99 Resp: 8186

Ion Ratio Lower Upper

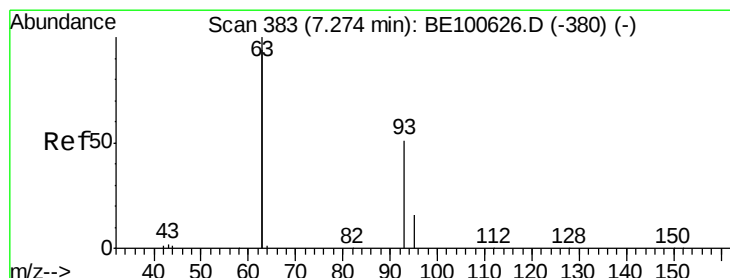
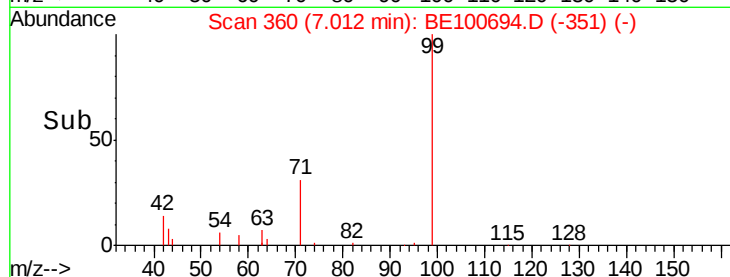
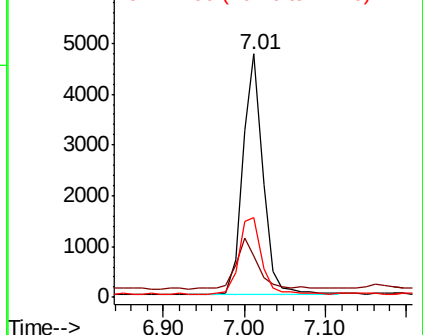
99 100

42 22.2 17.7 26.5

71 35.0 27.4 41.0



Abundance Ion 99.00 (98.70 to 99.70): BE1
Ion 42.00 (41.70 to 42.70): BE1
Ion 71.00 (70.70 to 71.70): BE1



#6

bis(2-Chloroethyl)ether

Concen: 0.455 ng

RT: 7.27 min Scan# 382

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

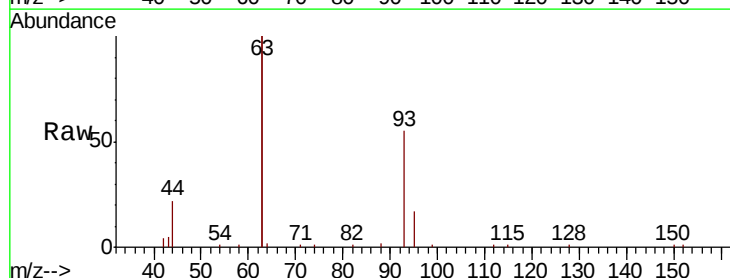
Tgt Ion: 93 Resp: 6939

Ion Ratio Lower Upper

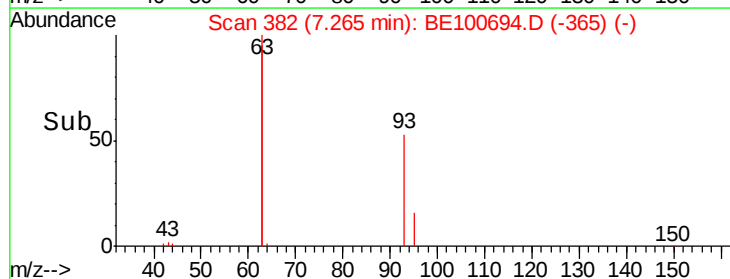
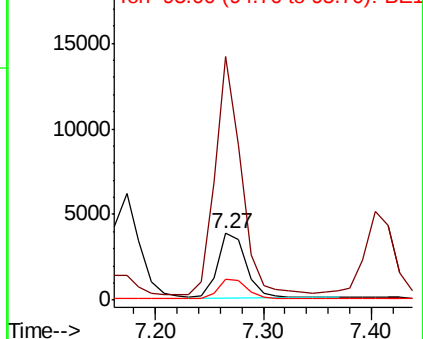
93 100

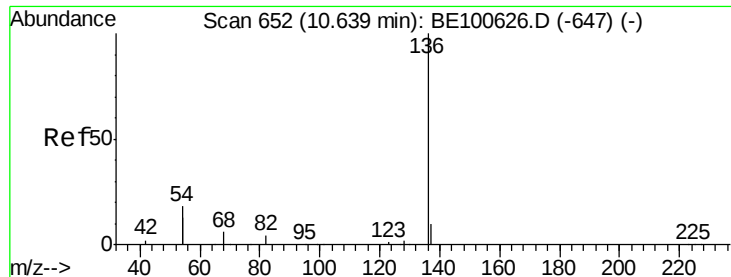
63 333.7 268.8 403.2

95 31.3 25.6 38.4



Abundance Ion 93.00 (92.70 to 93.70): BE1
Ion 63.00 (62.70 to 63.70): BE1
Ion 95.00 (94.70 to 95.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE100694.D

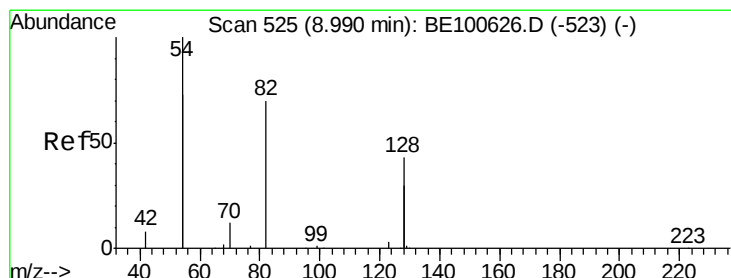
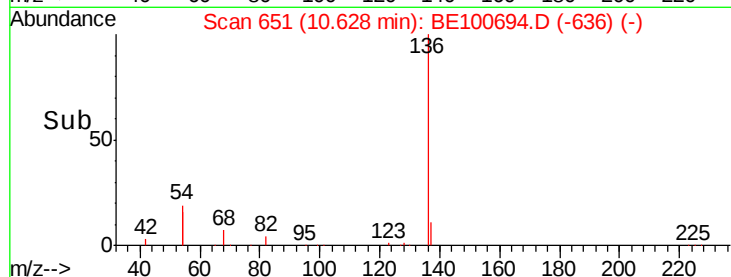
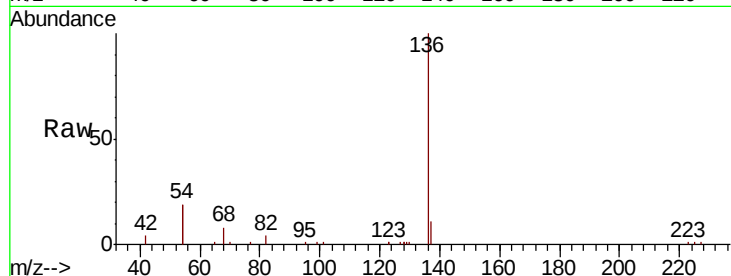
Acq: 29 Oct 2019 14:26

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136	Resp:	18615
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.2 13.8
54	37.8	39.4 59.2#
68	8.0	8.0 12.0#



#8

Nitrobenzene-d5

Concen: 0.517 ng

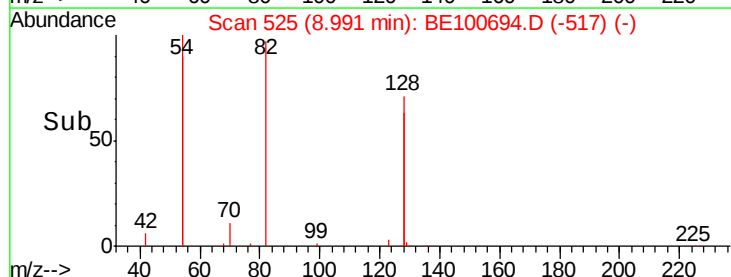
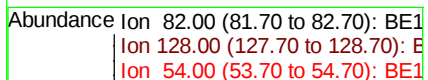
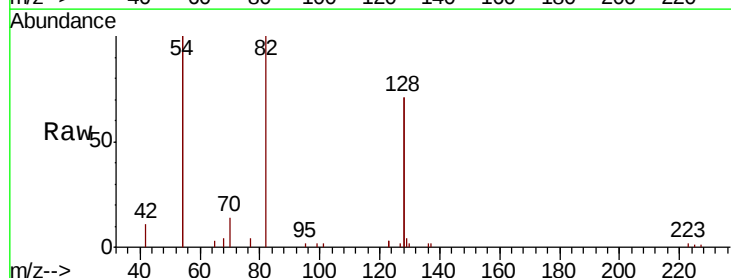
RT: 8.99 min Scan# 525

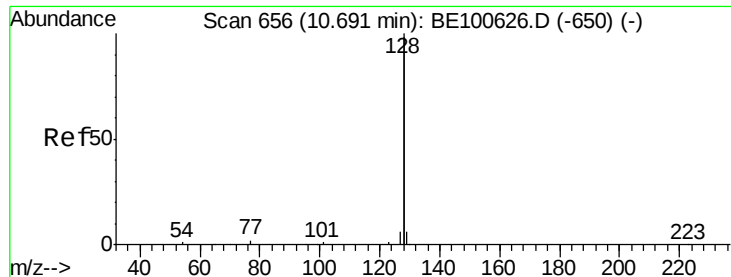
Delta R.T. -0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Tgt Ion: 82	Resp:	5967
Ion Ratio	Lower	Upper
82	100	
128	142.6	107.8 161.8
54	200.2	166.1 249.1





#9

Naphthalene

Concen: 0.444 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Instrument :

BNA_E

ClientSampleId :

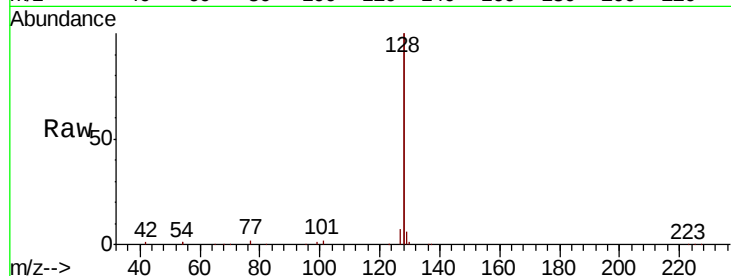
Tot Ion:128 Resp: 86910

Ion Ratio Lower Upper

128 100

129 2.9 2.3 3.5

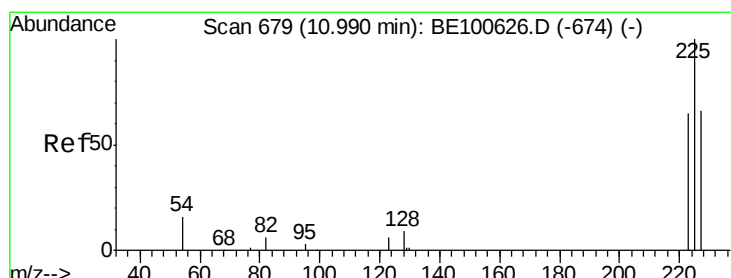
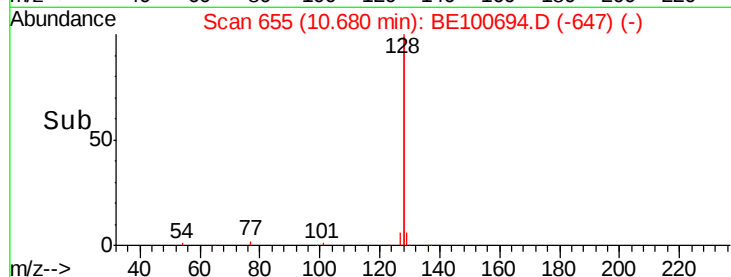
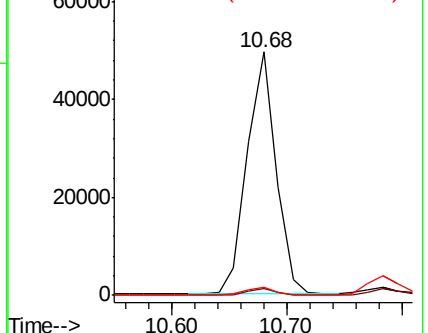
127 3.3 2.7 4.1



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: 0.456 ng

RT: 10.98 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

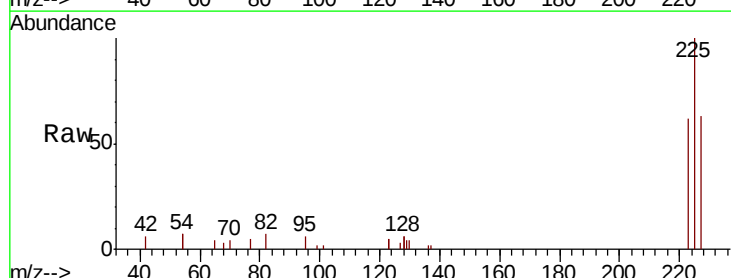
Tgt Ion:225 Resp: 3874

Ion Ratio Lower Upper

225 100

223 61.5 48.6 72.8

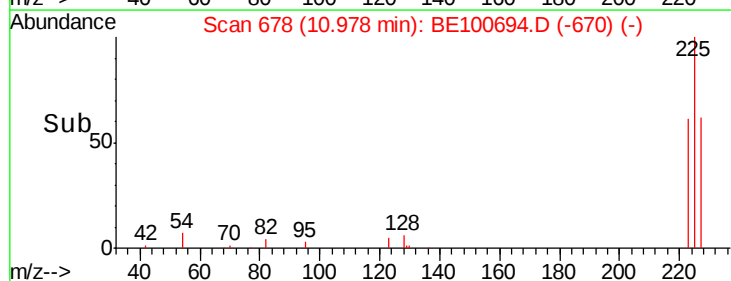
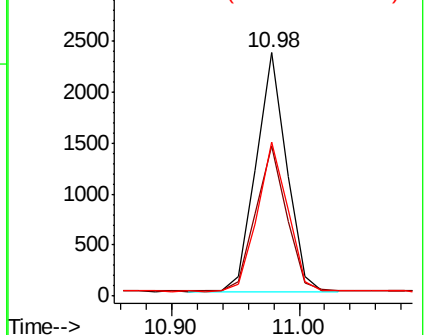
227 62.3 51.6 77.4

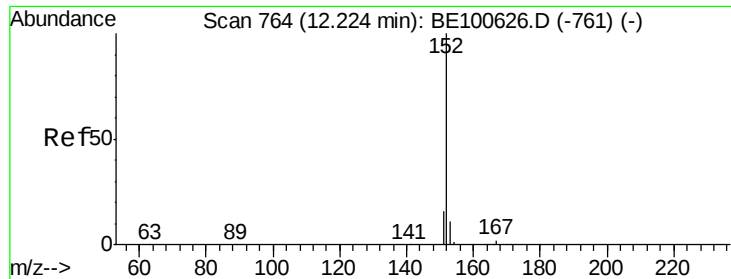


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

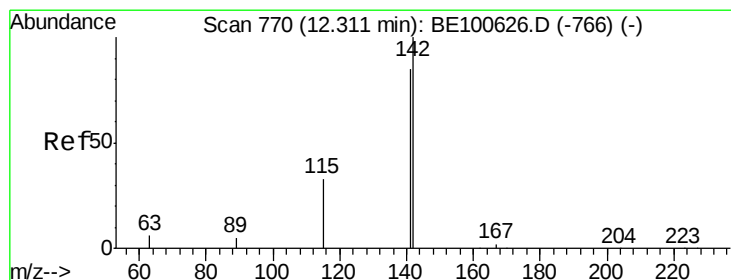
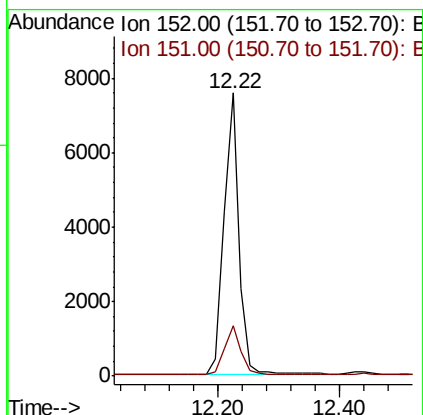
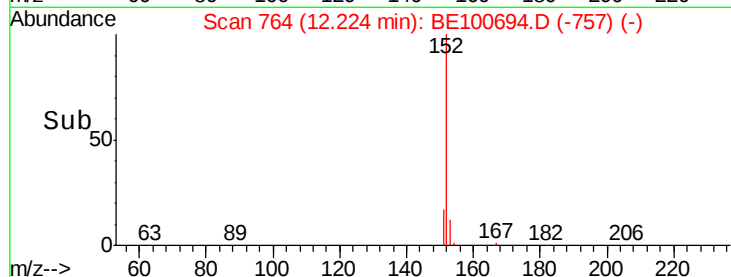
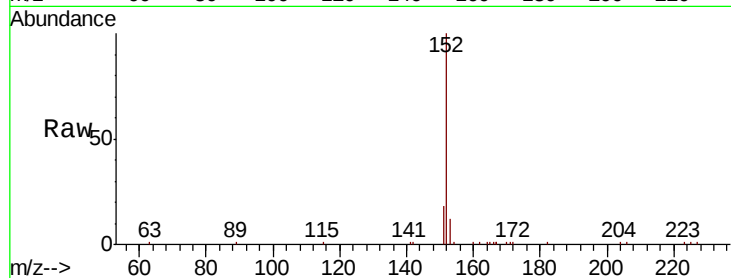




#11
 2-Methylnaphthalene-d10
 Concen: 0.447 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BE100694.D
 Acq: 29 Oct 2019 14:26

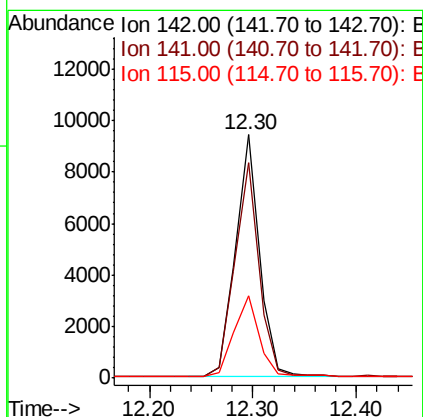
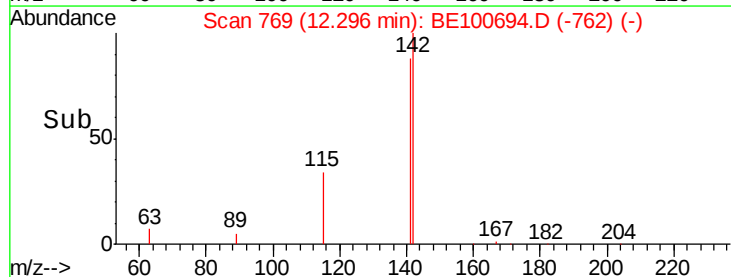
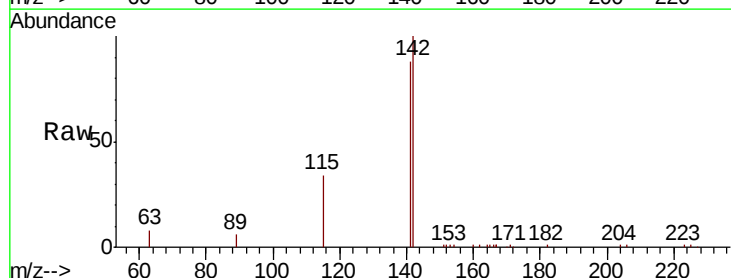
Instrument :
 BNA_E
 ClientSampleId :

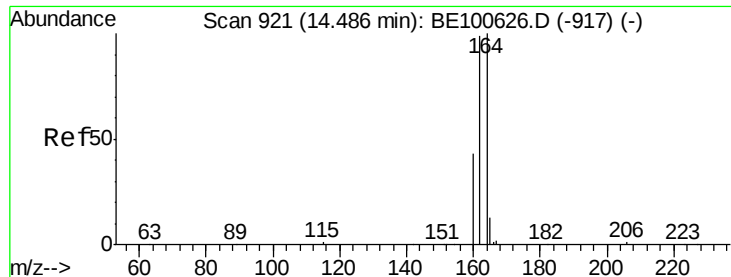
Tot Ion:152 Resp: 13113
 Ion Ratio Lower Upper
 152 100
 151 18.8 14.7 22.1



#12
 2-Methylnaphthalene
 Concen: 0.451 ng
 RT: 12.30 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BE100694.D
 Acq: 29 Oct 2019 14:26

Tgt Ion:142 Resp: 15047
 Ion Ratio Lower Upper
 142 100
 141 88.5 70.1 105.1
 115 34.0 28.3 42.5

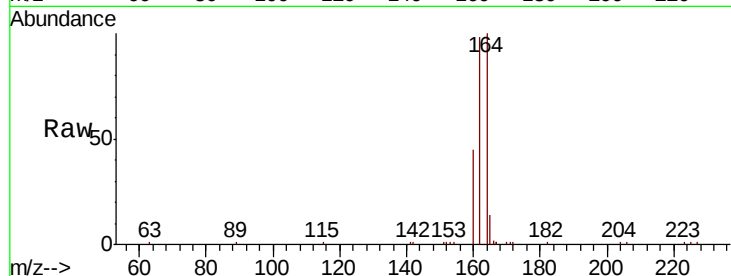




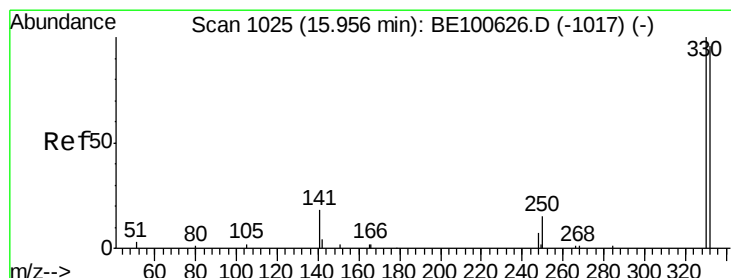
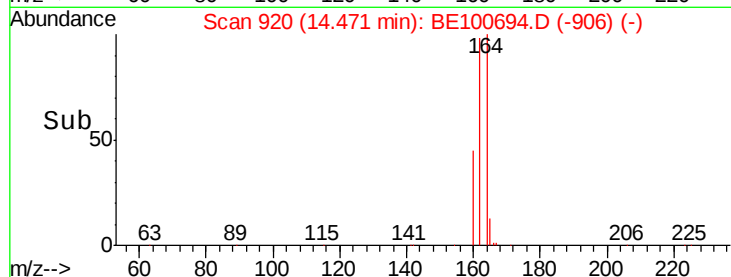
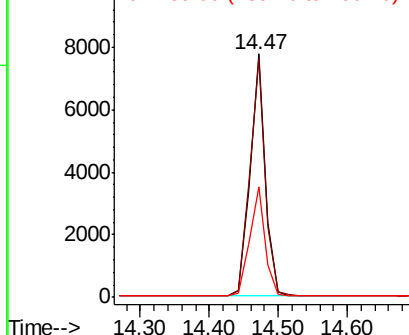
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.00 min
Lab File: BE100694.D
Acq: 29 Oct 2019 14:26

Instrument :
BNA_E
ClientSampled :

Tot Ion:164 Resp: 11879
Ion Ratio Lower Upper
164 100
162 98.0 82.0 123.0
160 45.4 37.5 56.3

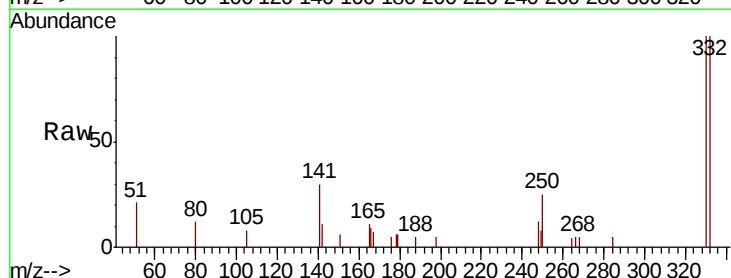


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

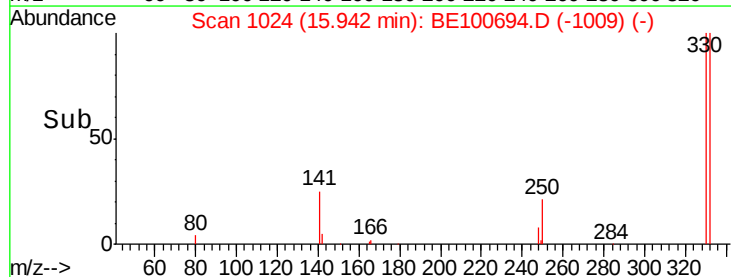
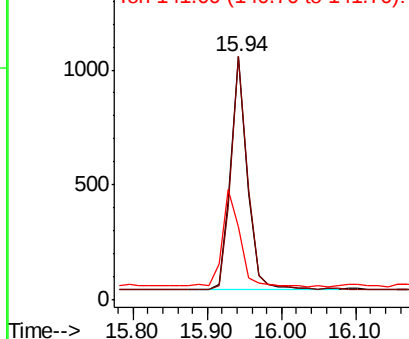


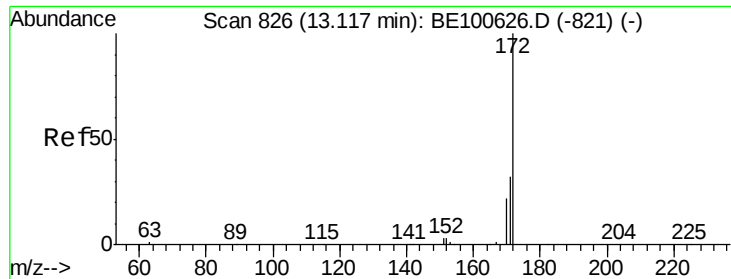
#14
2,4,6-Tribromophenol
Concen: 0.504 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BE100694.D
Acq: 29 Oct 2019 14:26

Tgt Ion:330 Resp: 1583
Ion Ratio Lower Upper
330 100
332 100.2 77.9 116.9
141 43.7 33.0 49.6



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

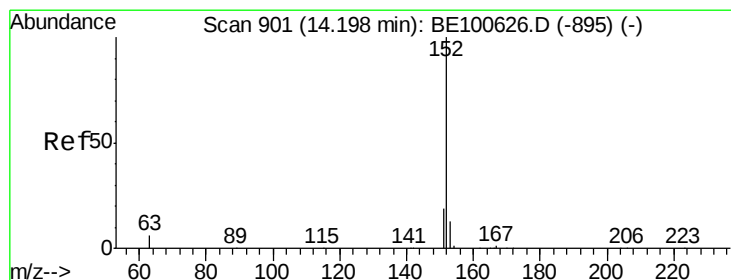
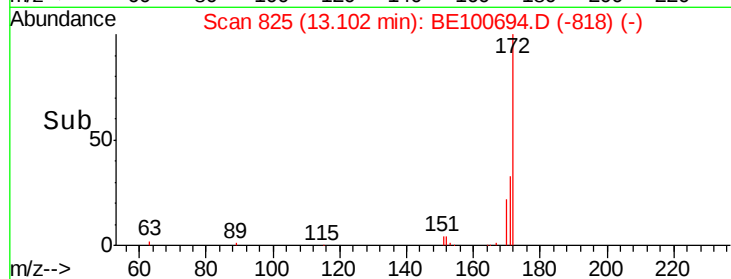
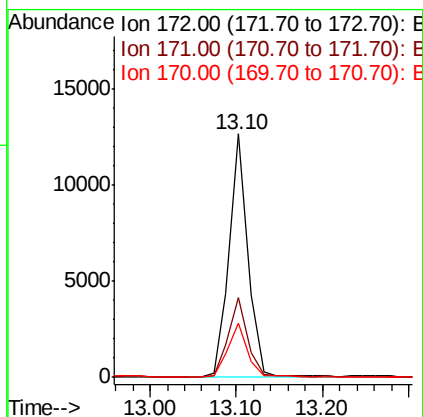
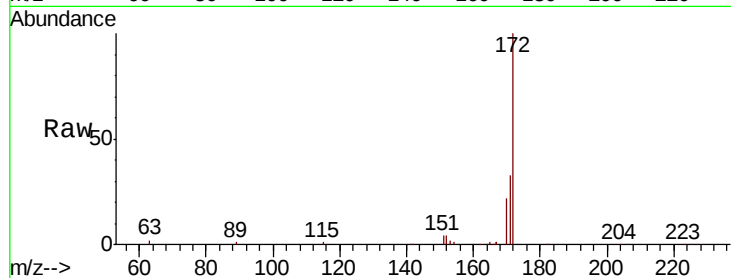




#15
2-Fluorobiphenyl
Concen: 0.435 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE100694.D
Acq: 29 Oct 2019 14:26

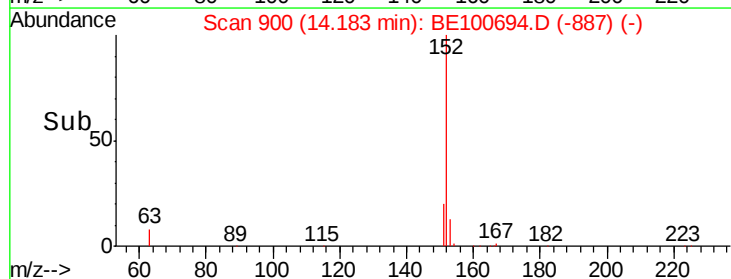
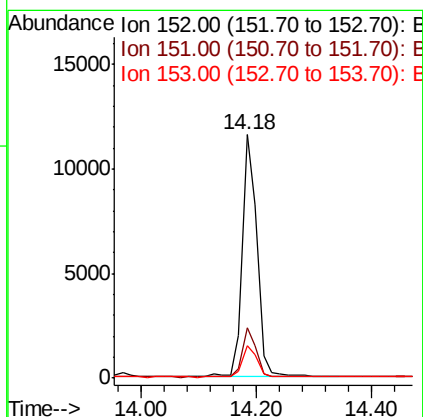
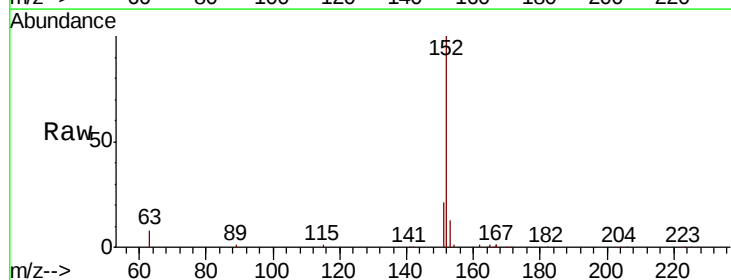
Instrument :
BNA_E
ClientSampleId :

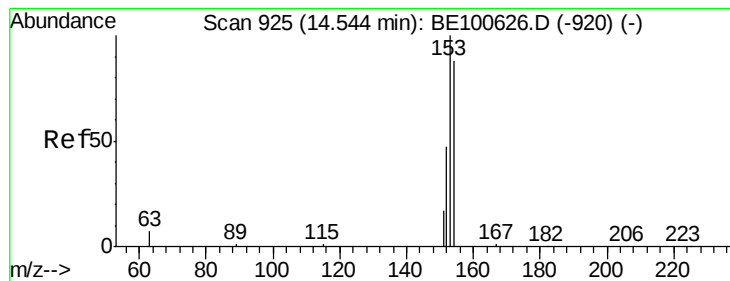
Tot Ion:172 Resp: 18839
Ion Ratio Lower Upper
172 100
171 33.0 26.5 39.7
170 22.4 19.0 28.4



#16
Acenaphthylene
Concen: 0.403 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE100694.D
Acq: 29 Oct 2019 14:26

Tgt Ion:152 Resp: 20600
Ion Ratio Lower Upper
152 100
151 19.6 15.2 22.8
153 13.3 10.3 15.5





#17

Acenaphthene

Concen: 0.431 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Instrument :

BNA_E

ClientSampleId :

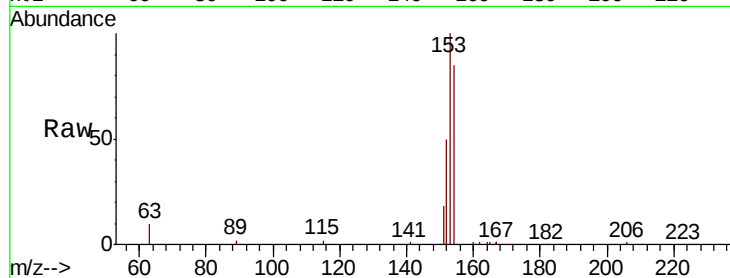
Tot Ion:154 Resp: 14238

Ion Ratio Lower Upper

154 100

153 116.6 89.4 134.2

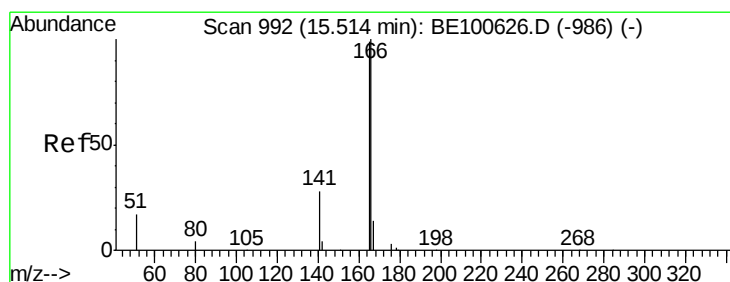
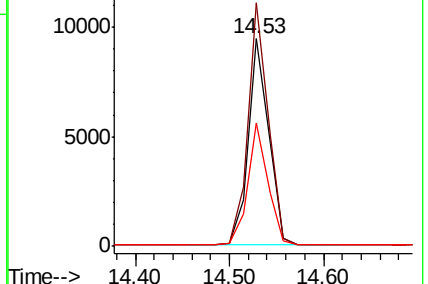
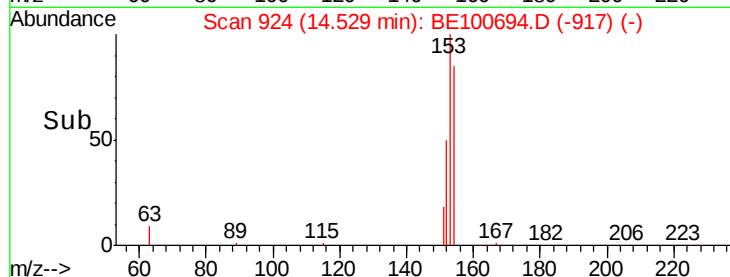
152 58.2 44.1 66.1



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: 0.454 ng

RT: 15.50 min Scan# 991

Delta R.T. -0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

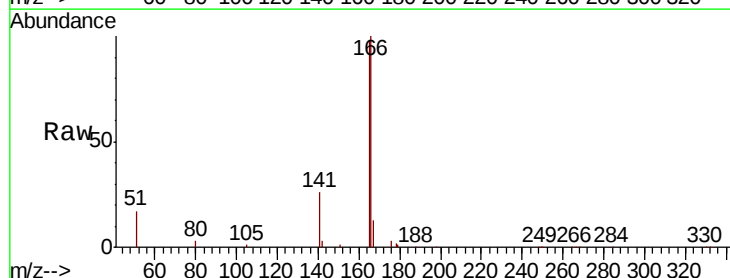
Tgt Ion:166 Resp: 19911

Ion Ratio Lower Upper

166 100

165 97.6 78.6 117.8

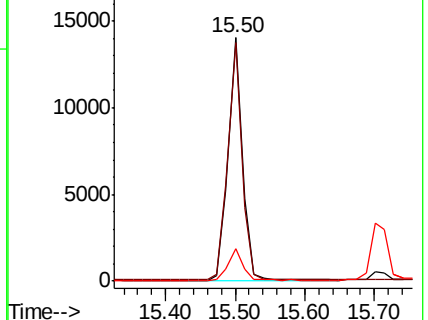
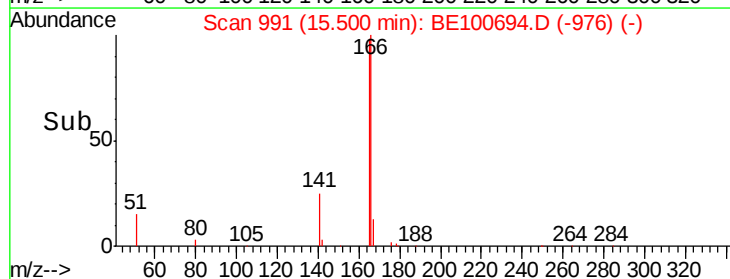
167 13.0 10.9 16.3



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: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Instrument :

BNA_E

ClientSampleId :

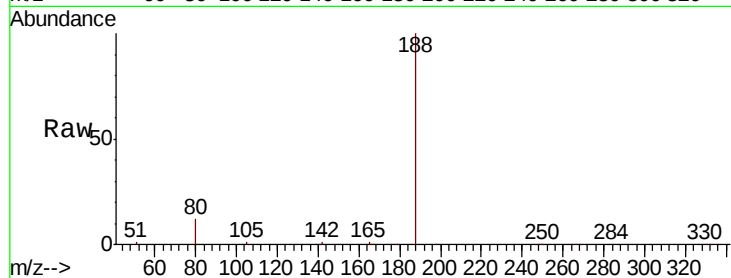
Tot Ion:188 Resp: 28895

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

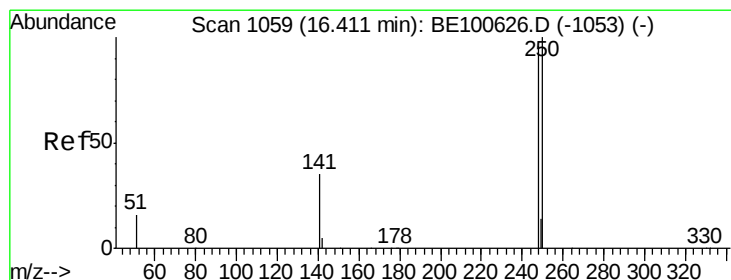
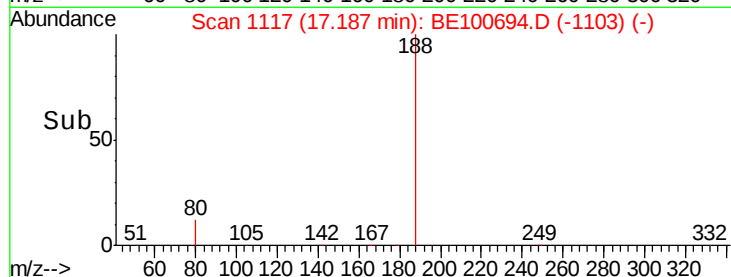
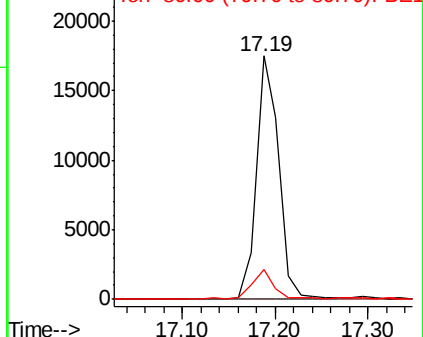
80 12.4 5.4 8.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#20

4-Bromophenyl-phenylether

Concen: 0.434 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

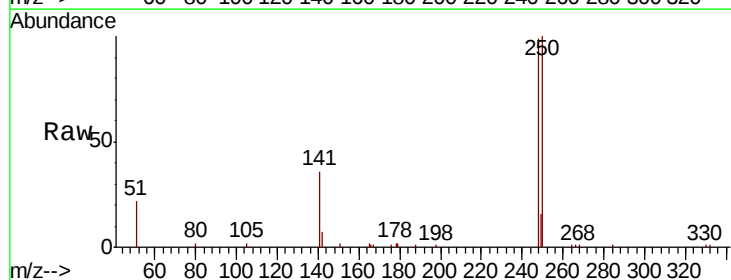
Tgt Ion:248 Resp: 6377

Ion Ratio Lower Upper

248 100

250 101.2 76.3 114.5

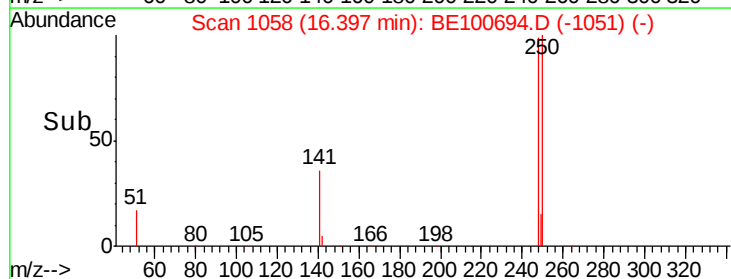
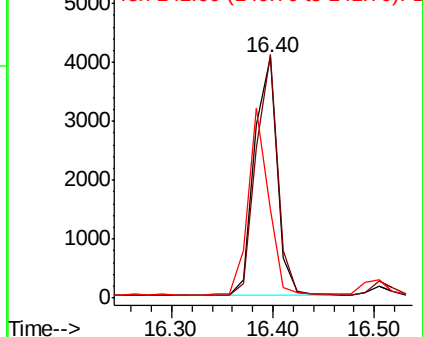
141 36.9 37.3 55.9#

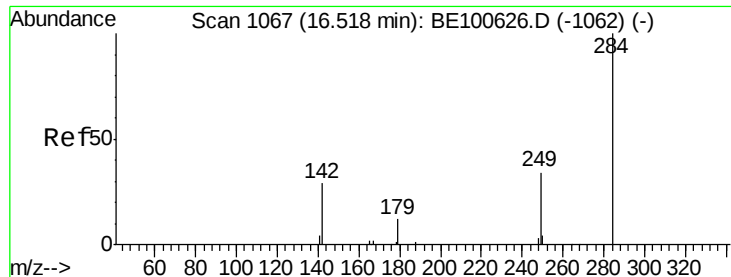


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.443 ng

RT: 16.50 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BE100694.D

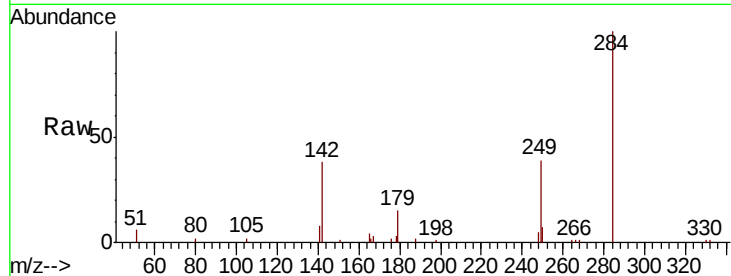
Acq: 29 Oct 2019 14:26

Instrument :

BNA_E

ClientSampled :

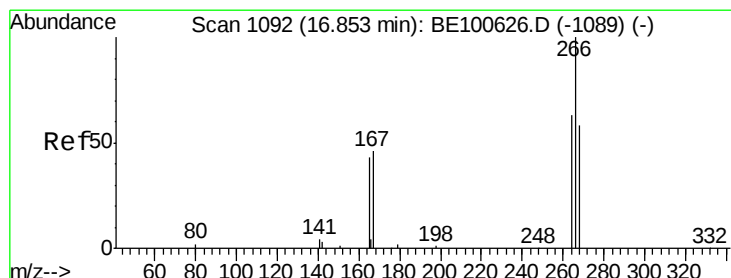
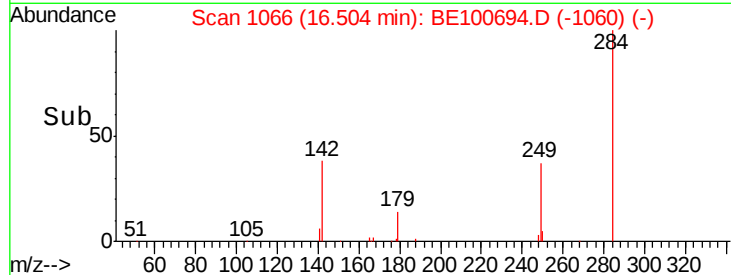
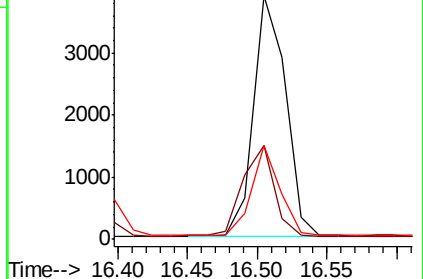
Tot Ion:284	Resp:	6211
Ion Ratio	Lower	Upper
284	100	
142	36.2	28.6 42.8
249	33.3	26.3 39.5



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: 0.302 ng

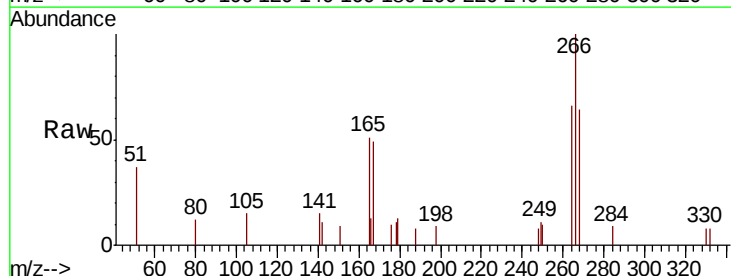
RT: 16.85 min Scan# 1092

Delta R.T. -0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

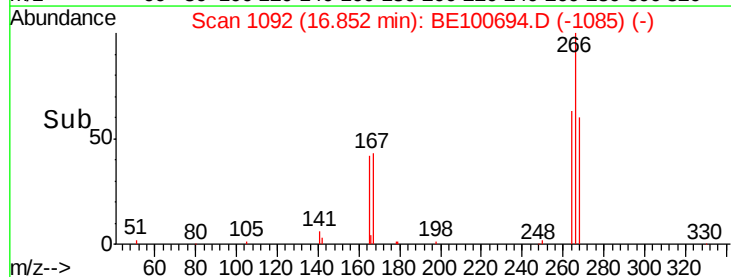
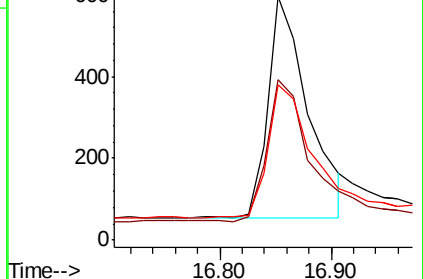
Tgt Ion:266	Resp:	1365
Ion Ratio	Lower	Upper
266	100	
264	65.8	52.2 78.4
268	63.9	53.1 79.7

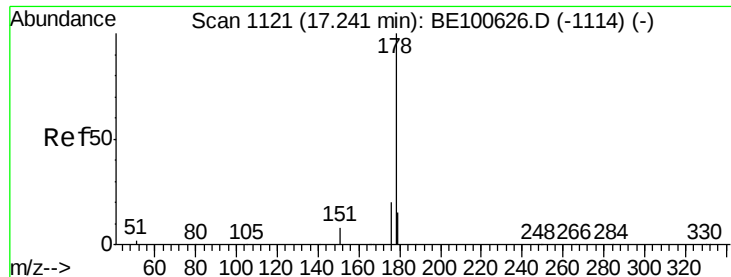


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.450 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Instrument :

BNA_E

ClientSampleId :

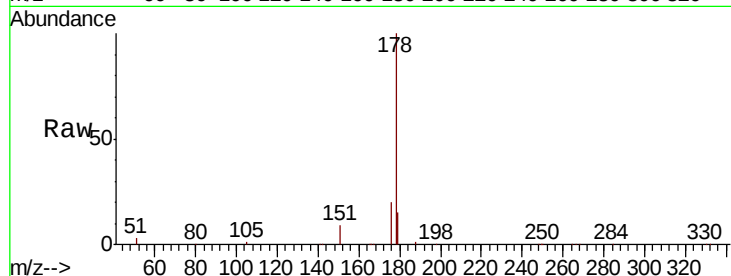
Tot Ion:178 Resp: 35795

Ion Ratio Lower Upper

178 100

176 18.8 15.2 22.8

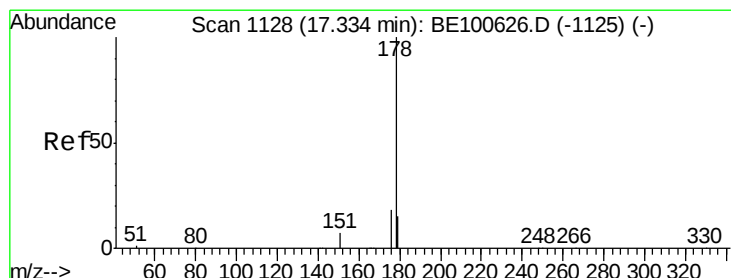
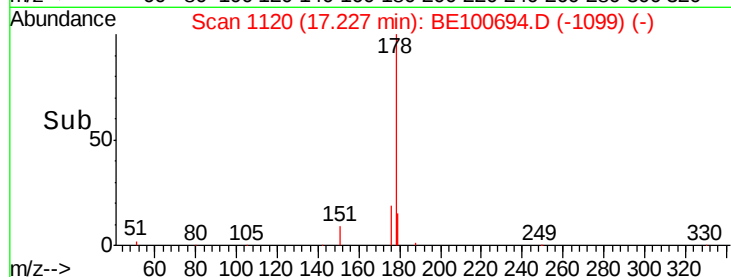
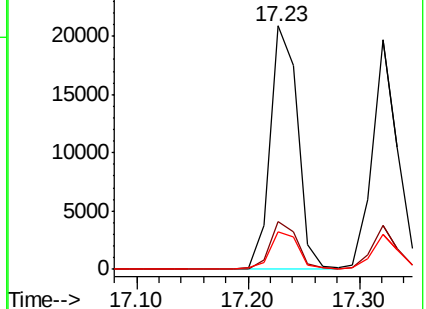
179 15.4 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.415 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

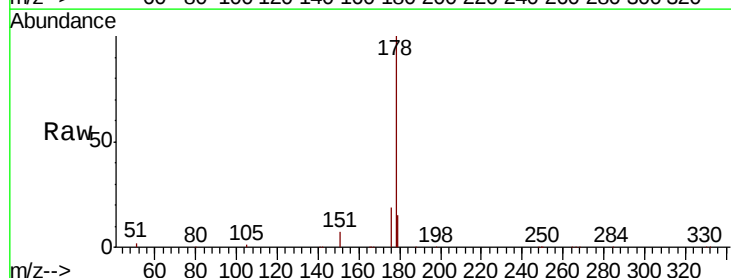
Tgt Ion:178 Resp: 30583

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

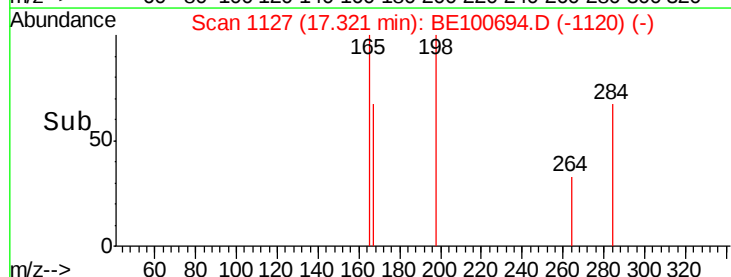
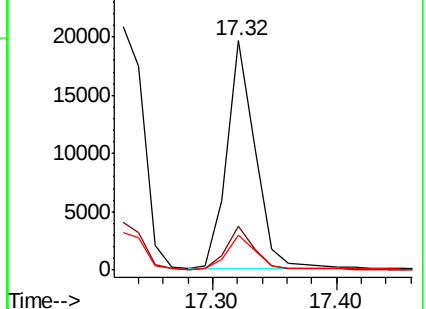
179 15.3 12.5 18.7

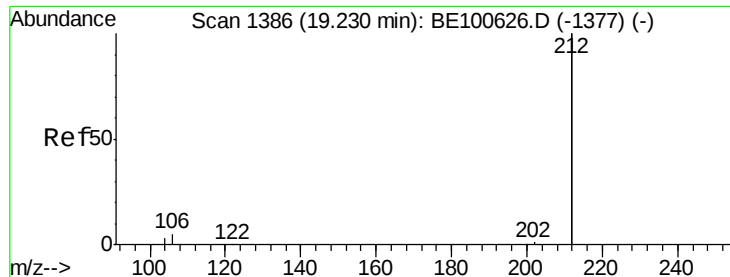


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.435 ng

RT: 19.21 min Scan# 1383

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Instrument :

BNA_E

ClientSampled :

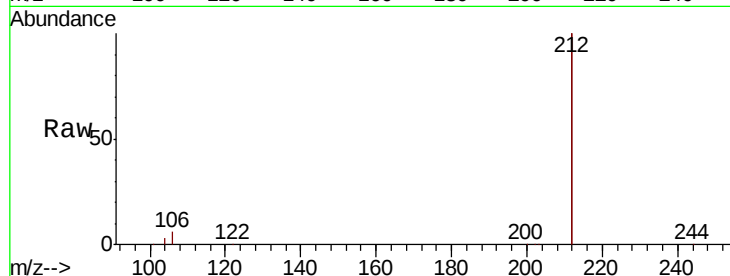
Tot Ion:212 Resp: 162378

Ion Ratio Lower Upper

212 100

106 2.8 2.3 3.5

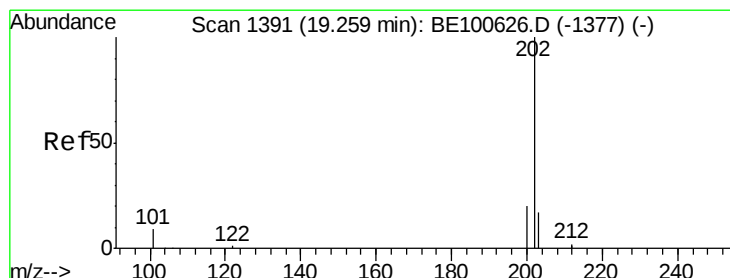
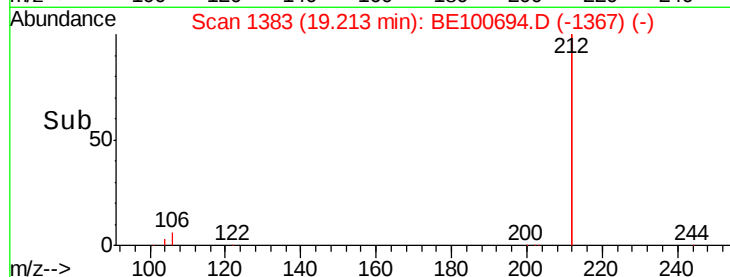
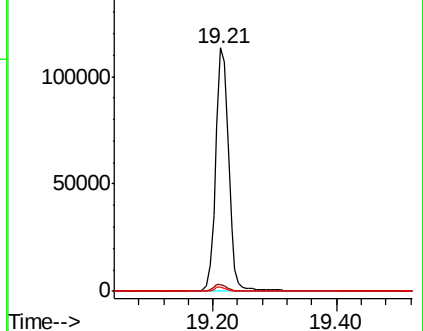
104 1.6 1.3 1.9



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: 0.445 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

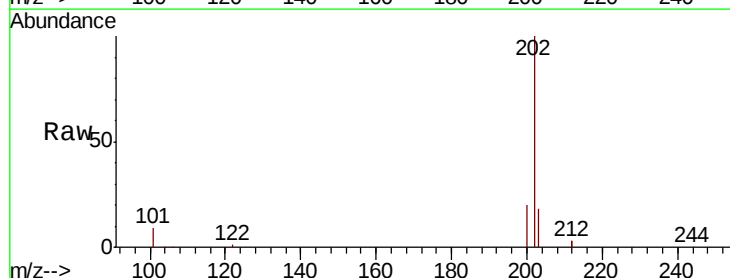
Tgt Ion:202 Resp: 46198

Ion Ratio Lower Upper

202 100

101 10.7 8.5 12.7

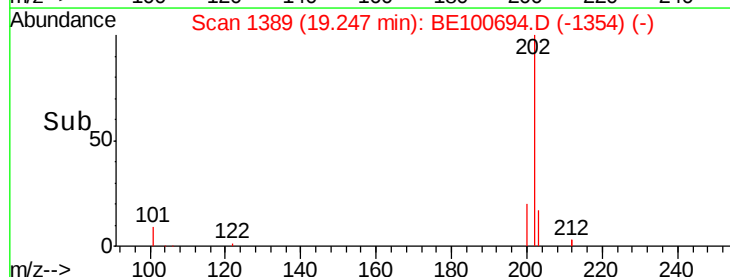
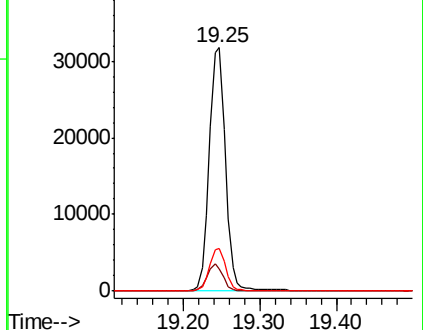
203 17.3 13.8 20.8



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

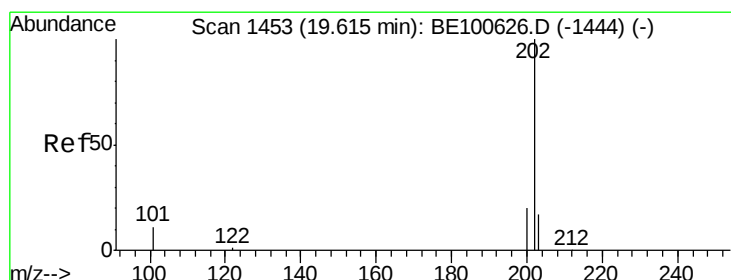
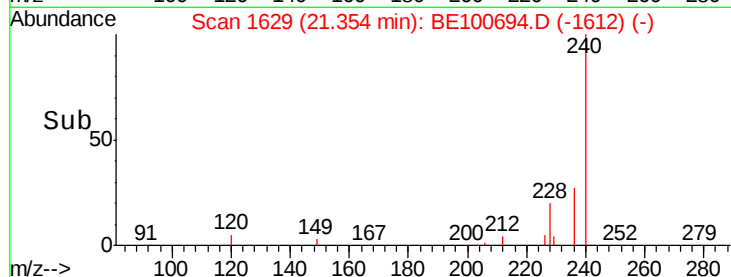
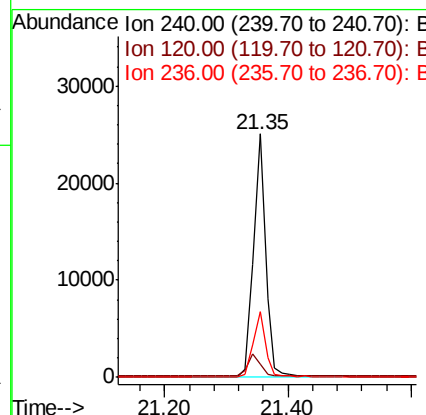
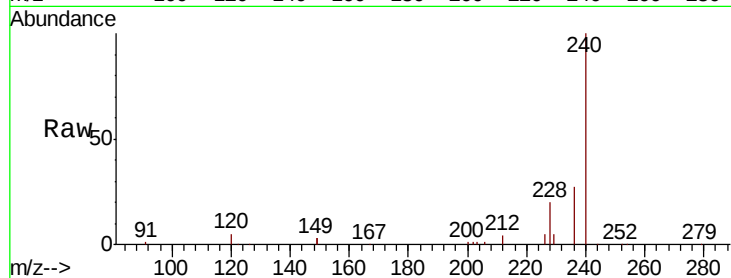




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.35 min Scan# 1629
Delta R.T. 0.00 min
Lab File: BE100694.D
Acq: 29 Oct 2019 14:26

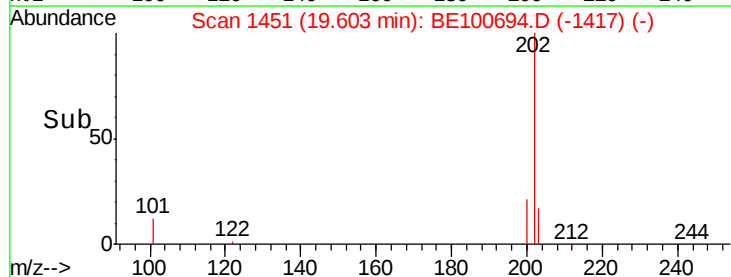
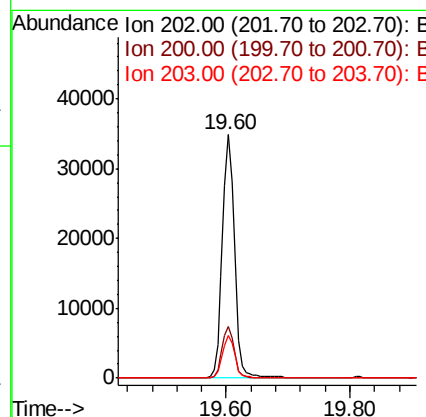
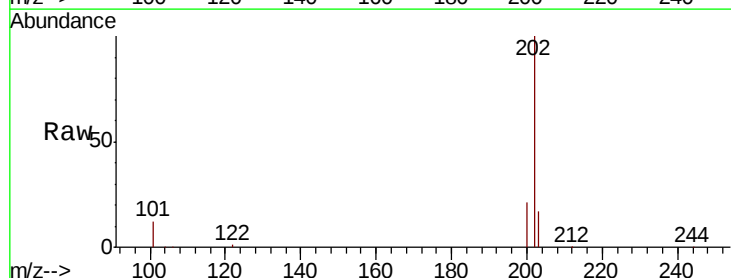
Instrument :
BNA_E
ClientSampleId :

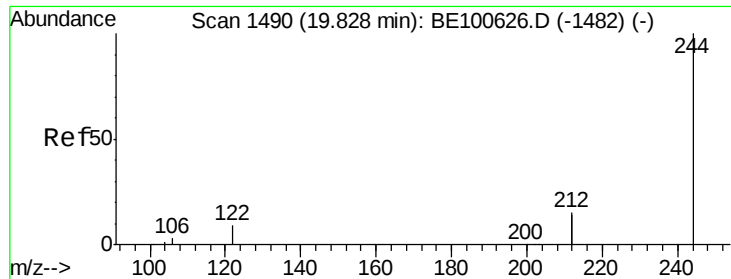
Tot Ion:240 Resp: 34548
Ion Ratio Lower Upper
240 100
120 5.4 7.6 11.4#
236 26.8 22.1 33.1



#28
Pyrene
Concen: 0.485 ng
RT: 19.60 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BE100694.D
Acq: 29 Oct 2019 14:26

Tgt Ion:202 Resp: 46823
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 17.4 14.0 21.0





#29

Terphenyl-d14

Concen: 0.469 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Instrument :

BNA_E

ClientSampleId :

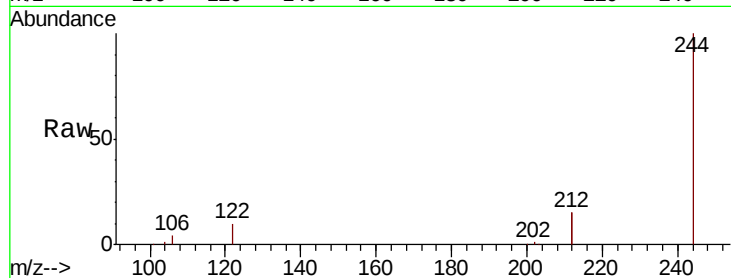
Tot Ion:244 Resp: 35444

Ion Ratio Lower Upper

244 100

212 30.7 23.7 35.5

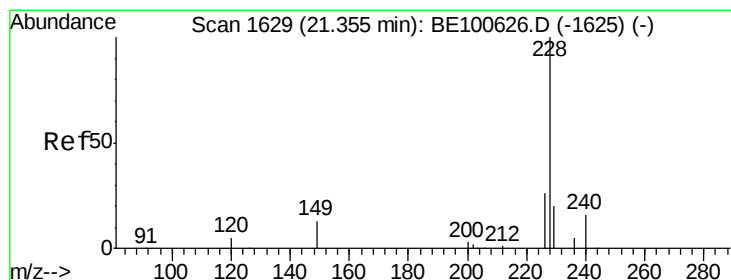
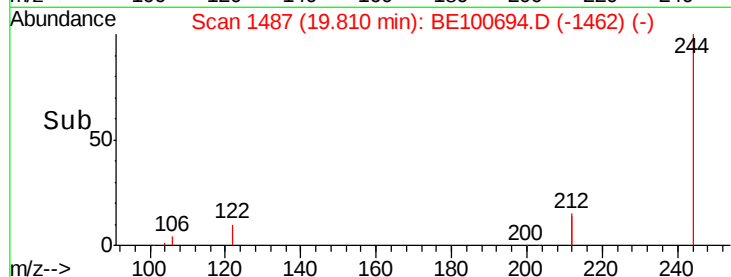
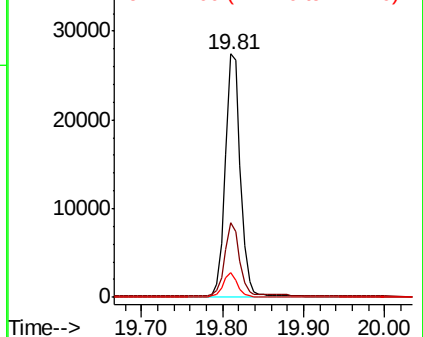
122 10.4 7.9 11.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.435 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

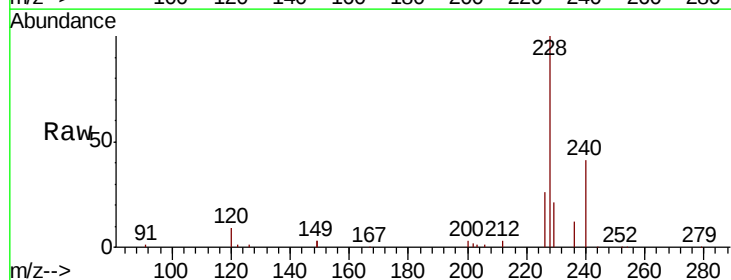
Tgt Ion:228 Resp: 48968

Ion Ratio Lower Upper

228 100

226 25.7 21.4 32.0

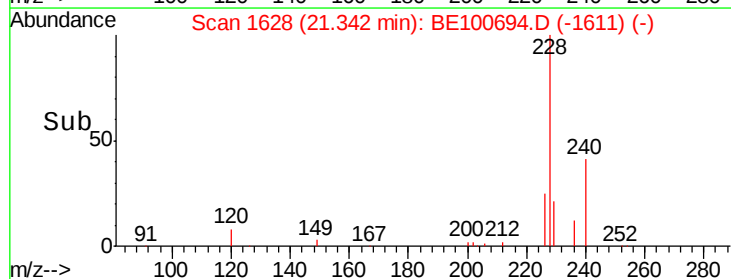
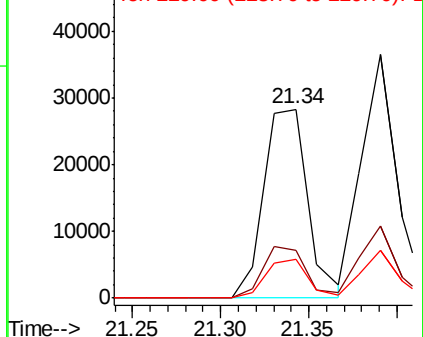
229 20.7 16.0 24.0



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





#31

Chrysene

Concen: 0.444 ng

RT: 21.39 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Instrument :

BNA_E

ClientSampleId :

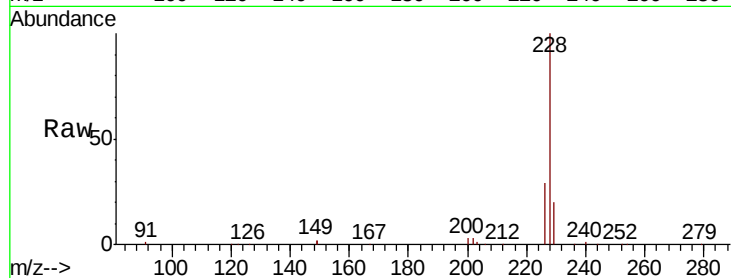
Tot Ion:228 Resp: 50044

Ion Ratio Lower Upper

228 100

226 29.4 24.6 37.0

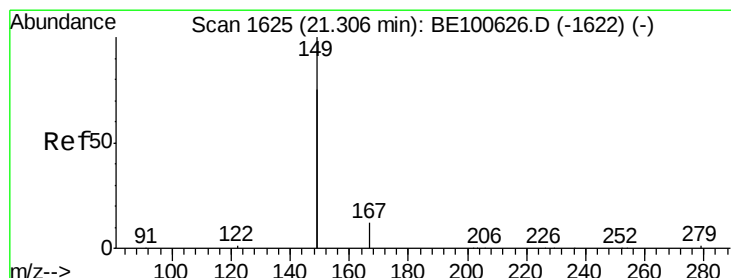
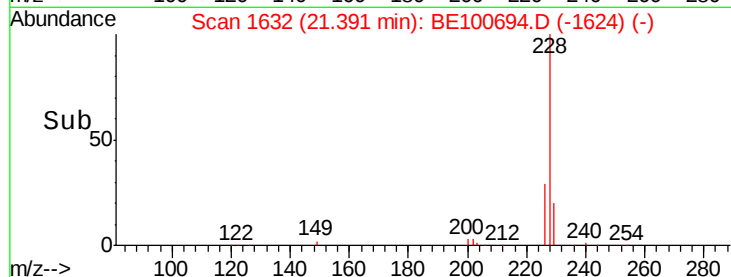
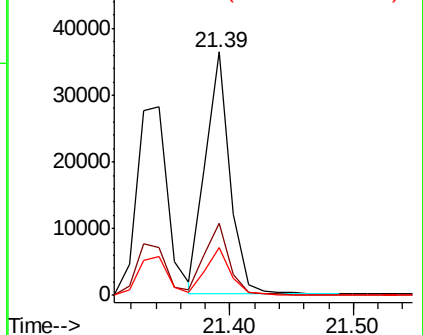
229 19.8 15.8 23.8



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: 0.347 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

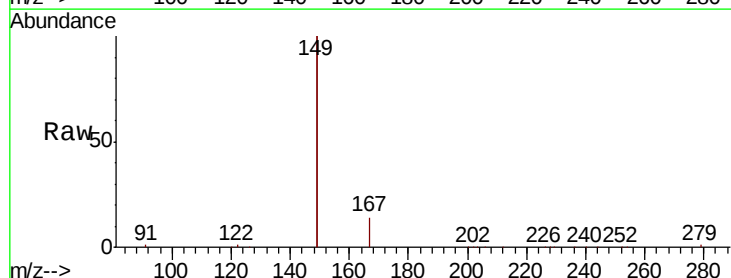
Tgt Ion:149 Resp: 81779

Ion Ratio Lower Upper

149 100

167 6.8 5.5 8.3

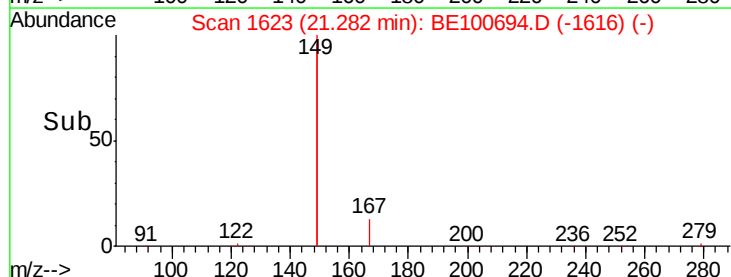
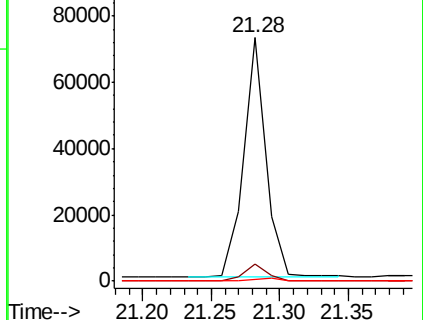
279 1.1 0.9 1.3



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

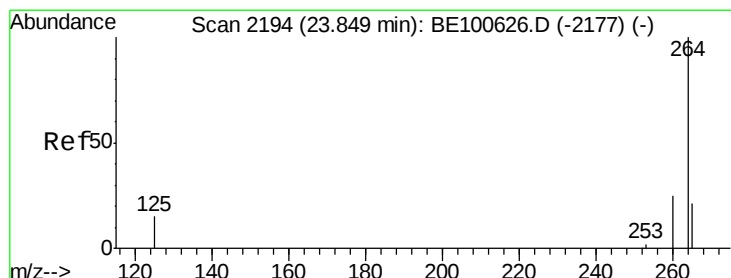
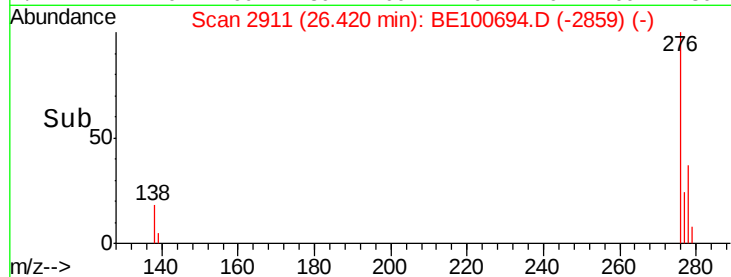
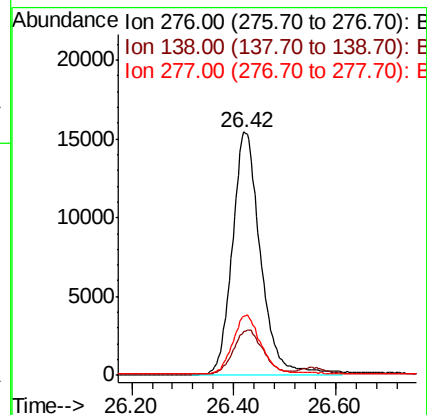
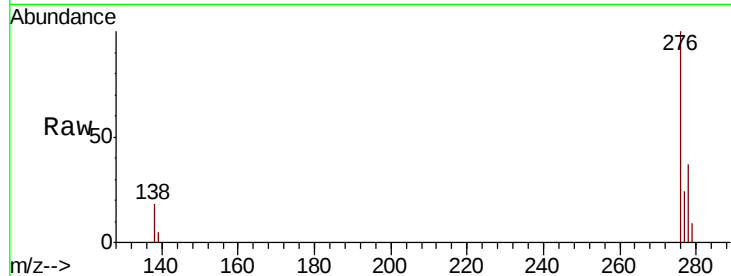




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.425 ng
 RT: 26.42 min Scan# 2911
 Delta R.T. -0.01 min
 Lab File: BE100694.D
 Acq: 29 Oct 2019 14:26

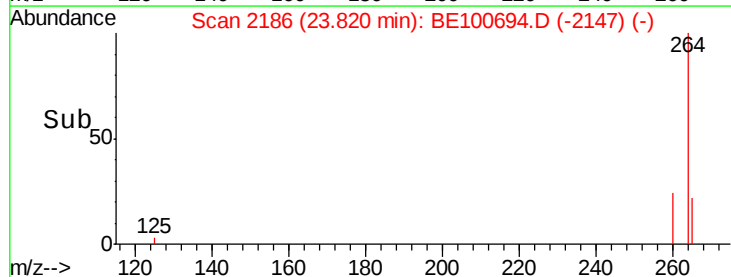
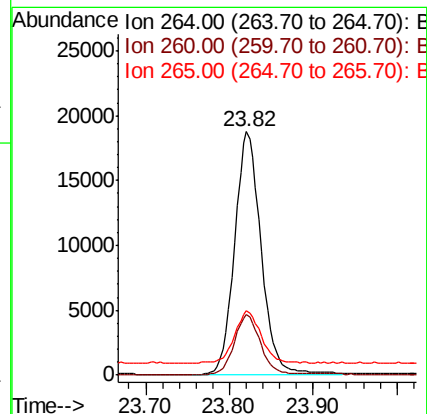
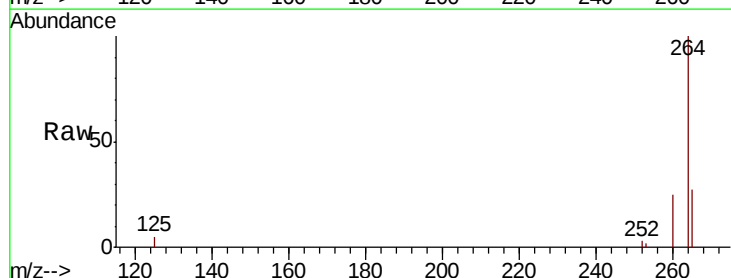
Instrument :
 BNA_E
 ClientSampleId :

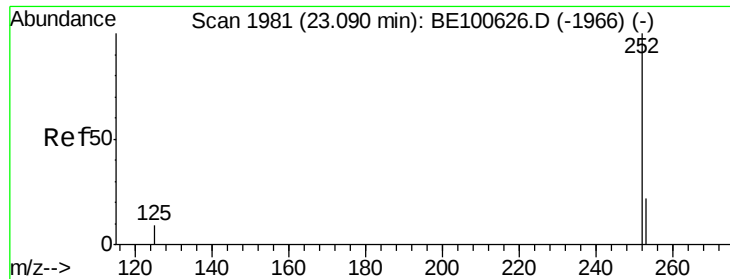
Tot Ion:276 Resp: 58895
 Ion Ratio Lower Upper
 276 100
 138 19.0 15.3 22.9
 277 24.3 19.4 29.2



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.82 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: BE100694.D
 Acq: 29 Oct 2019 14:26

Tgt Ion:264 Resp: 40927
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.4 29.2
 265 26.6 21.7 32.5





#35

Benzo(b)fluoranthene

Concen: 0.414 ng

RT: 23.06 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Instrument :

BNA_E

ClientSampleId :

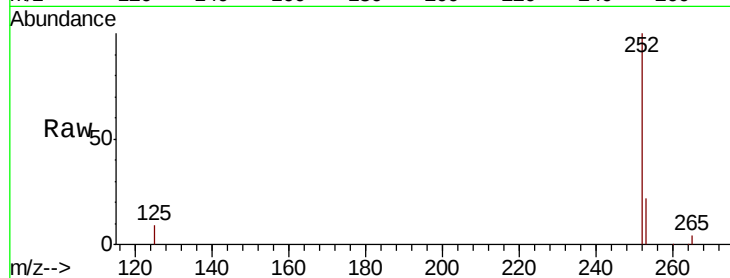
Tot Ion:252 Resp: 49361

Ion Ratio Lower Upper

252 100

253 22.0 18.4 27.6

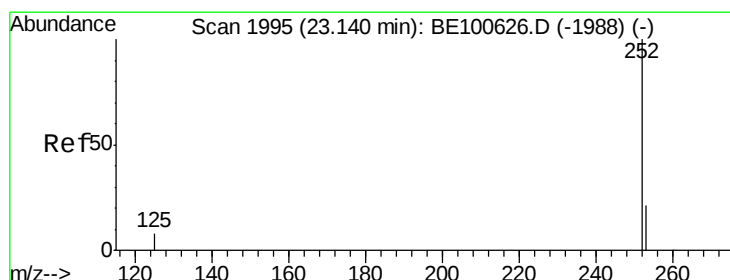
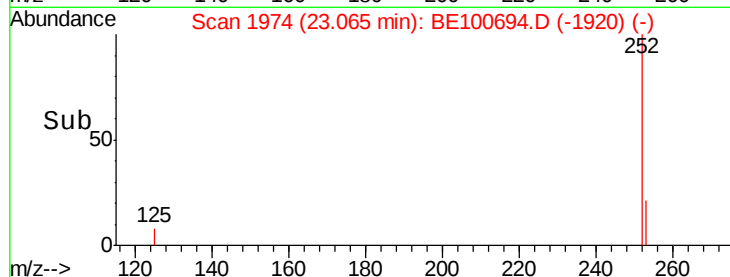
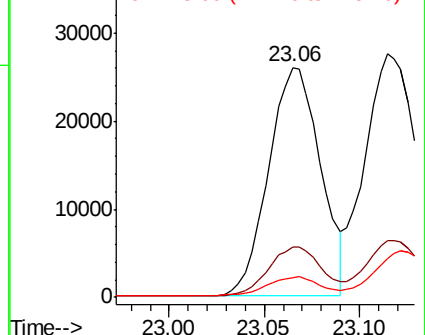
125 8.7 7.6 11.4



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: 0.446 ng

RT: 23.11 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

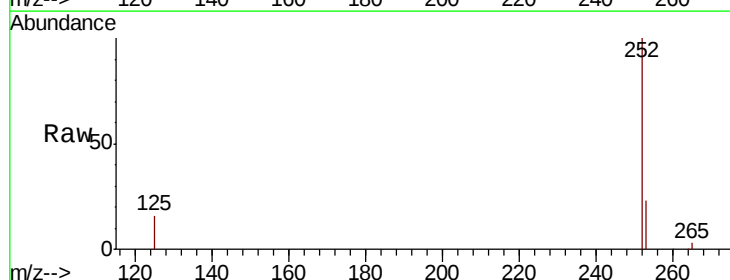
Tgt Ion:252 Resp: 54733

Ion Ratio Lower Upper

252 100

253 23.4 18.4 27.6

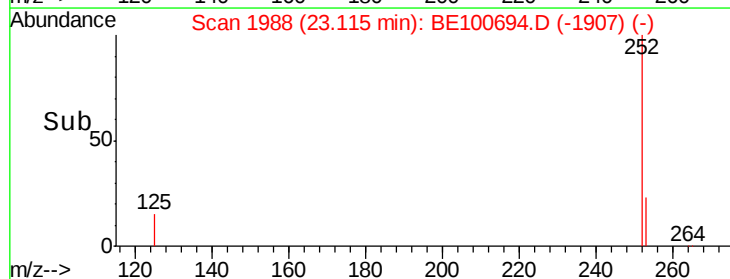
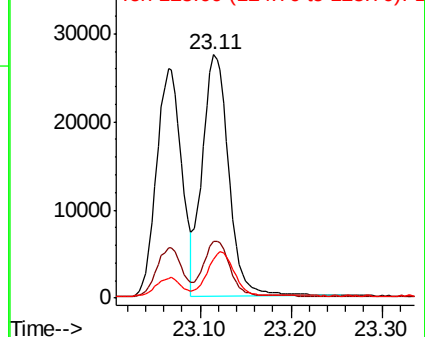
125 15.8 11.6 17.4

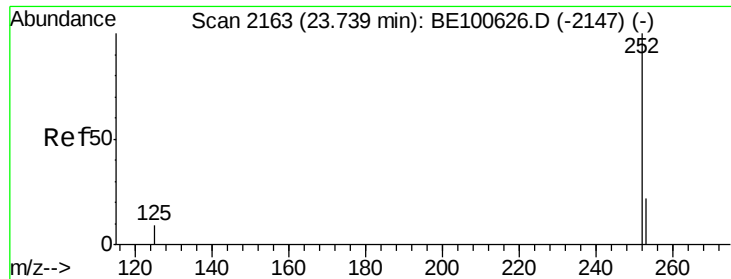


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.406 ng

RT: 23.71 min Scan# 2155

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Instrument :

BNA_E

ClientSampleId :

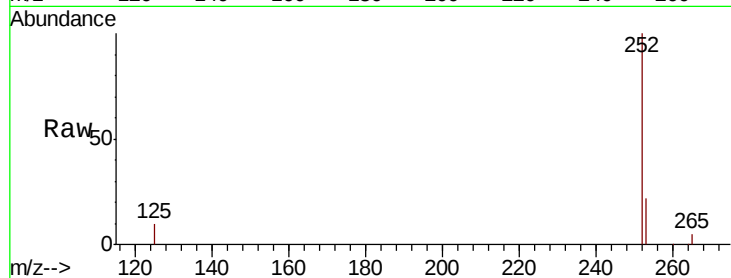
Tot Ion:252 Resp: 45141

Ion Ratio Lower Upper

252 100

253 22.2 18.4 27.6

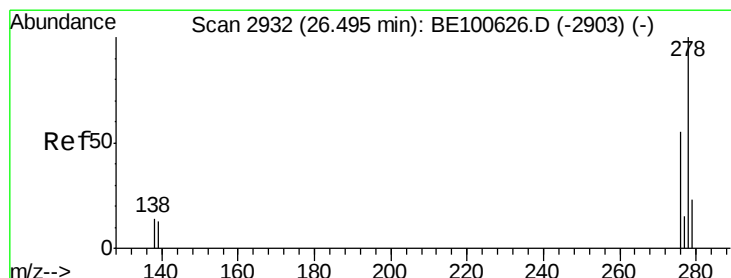
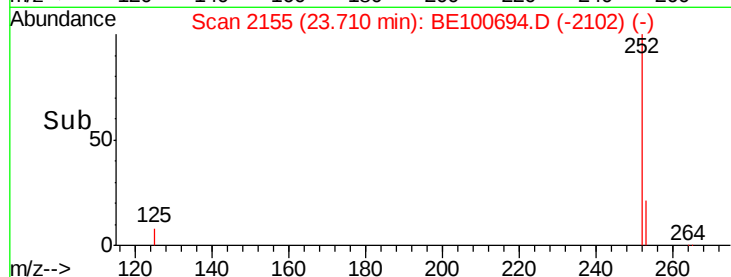
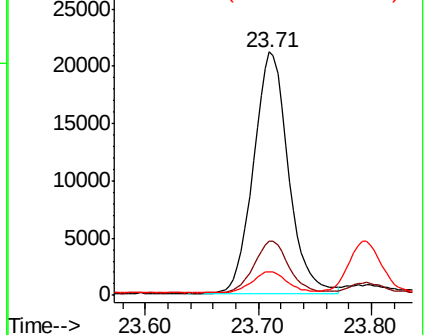
125 9.7 8.2 12.4



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: 0.415 ng

RT: 26.45 min Scan# 2919

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

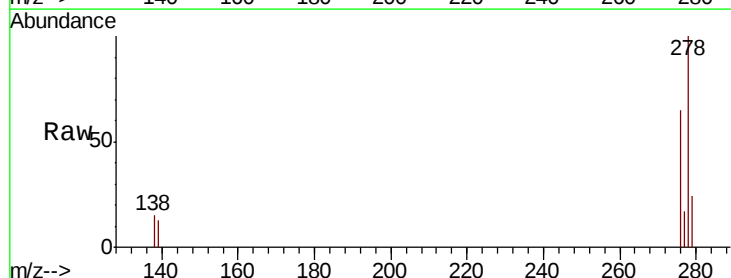
Tgt Ion:278 Resp: 47632

Ion Ratio Lower Upper

278 100

139 12.9 10.9 16.3

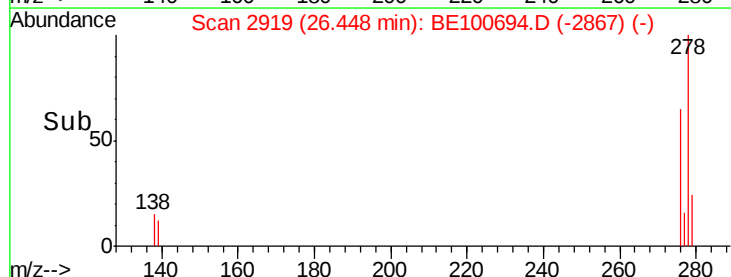
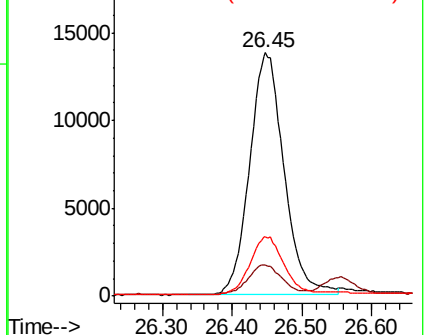
279 24.3 19.4 29.2

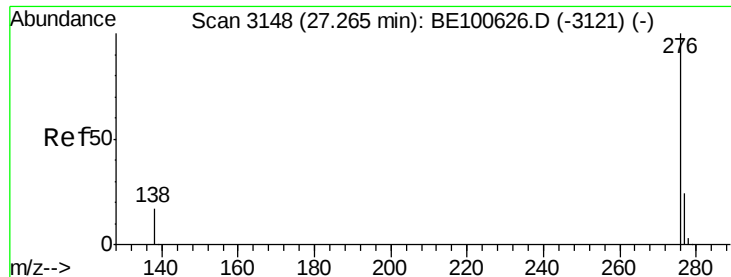


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.430 ng

RT: 27.22 min Scan# 3134

Delta R.T. -0.02 min

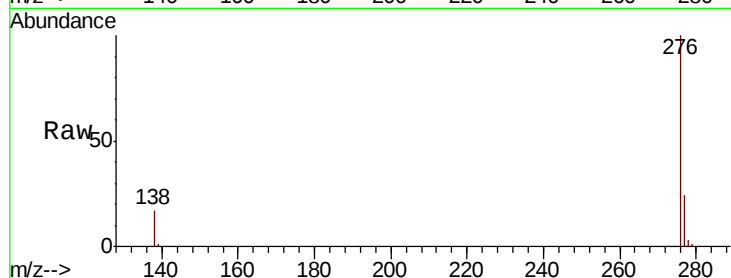
Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Instrument :

BNA_E

ClientSampleId :



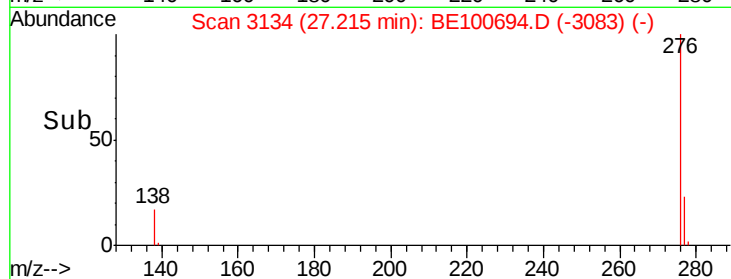
Tot Ion: 276 Resp: 49674

Ion Ratio Lower Upper

276 100

277 23.9 19.4 29.0

138 17.5 13.6 20.4



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

