

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112319\
 Data File : BN008728.D
 Acq On : 23 Nov 2019 14:38
 Operator : JU
 Sample : PB125047BSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Nov 25 11:46:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN112219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 25 10:49:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	5161	0.40	ng	0.00
7) Naphthalene-d8	10.35	136	18211	0.40	ng	0.00
13) Acenaphthene-d10	14.21	164	10358	0.40	ng	0.00
19) Phenanthrene-d10	16.95	188	24186	0.40	ng	-0.01
27) Chrysene-d12	21.16	240	23010	0.40	ng	0.00
34) Perylene-d12	23.32	264	22970	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.23	112	3752	0.28	ng	0.00
5) Phenol-d6	6.78	99	3658	0.21	ng	0.00
8) Nitrobenzene-d5	8.72	82	6439	0.39	ng	-0.01
11) 2-Methylnaphthalene-d10	11.94	152	12995	0.45	ng	0.00
14) 2,4,6-Tribromophenol	15.71	330	1977	0.41	ng	0.00
15) 2-Fluorobiphenyl	12.83	172	17782	0.44	ng	-0.01
25) Fluoranthene-d10	18.99	212	28653	0.40	ng	0.00
29) Terphenyl-d14	19.60	244	26273	0.47	ng	0.00

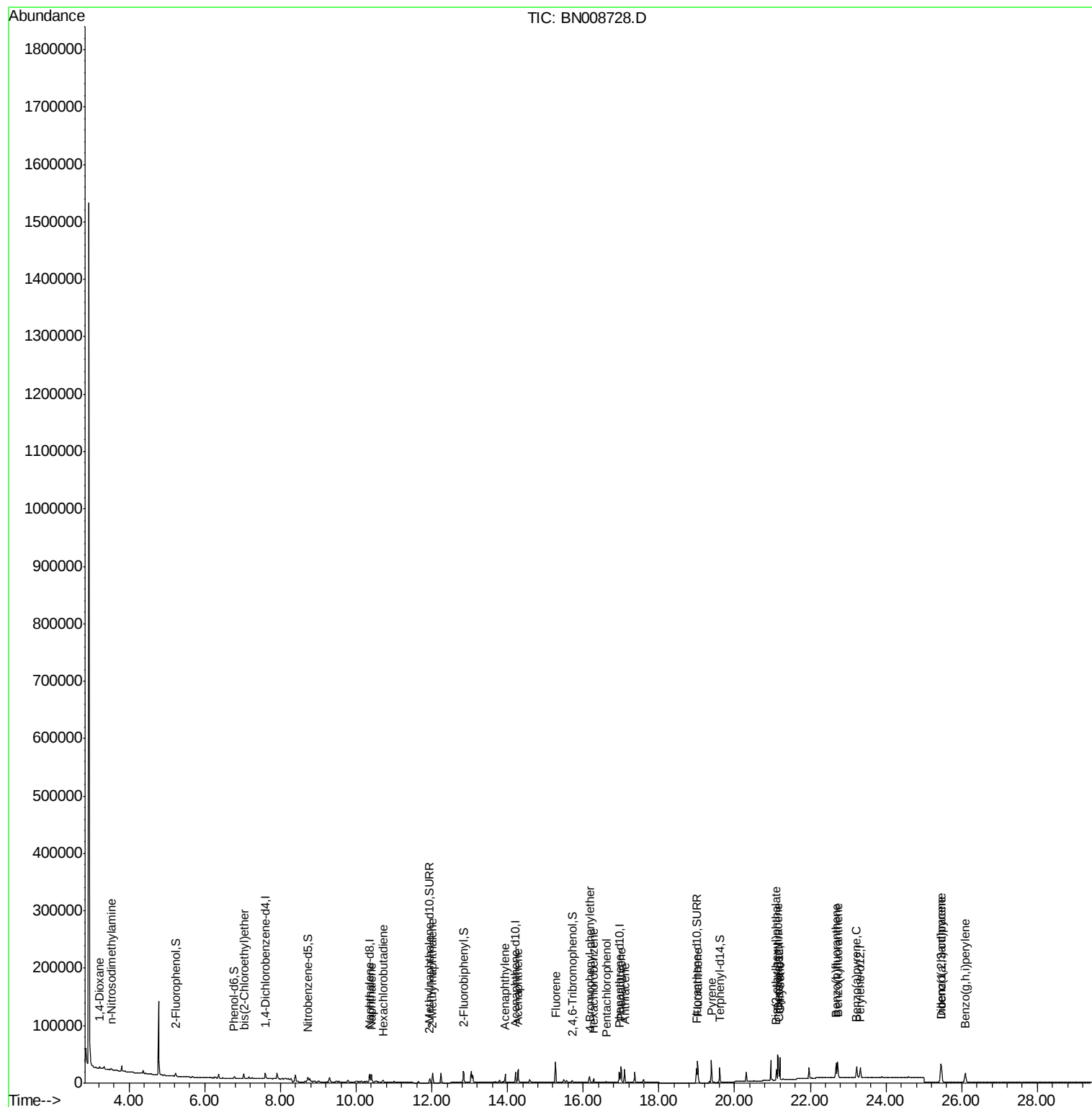
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.22	88	2029	0.372	ng	# 92
3) n-Nitrosodimethylamine	3.53	42	1767	0.261	ng	# 98
6) bis(2-Chloroethyl)ether	7.03	93	5962	0.372	ng	98
9) Naphthalene	10.41	128	17881	0.368	ng	100
10) Hexachlorobutadiene	10.71	225	2690	0.267	ng	# 100
12) 2-Methylnaphthalene	12.02	142	12216	0.361	ng	99
16) Acenaphthylene	13.93	152	17949	0.377	ng	99
17) Acenaphthene	14.28	154	11310	0.360	ng	100
18) Fluorene	15.27	166	15615	0.389	ng	99
20) 4-Bromophenyl-phenylether	16.17	248	6186	0.410	ng	94
21) Hexachlorobenzene	16.27	284	5533	0.333	ng	99
22) Pentachlorophenol	16.62	266	1353	0.227	ng	98
23) Phenanthrene	17.00	178	28590	0.383	ng	99
24) Anthracene	17.09	178	24336	0.365	ng	100
26) Fluoranthene	19.02	202	33307	0.380	ng	100
28) Pyrene	19.39	202	34371	0.405	ng	99
30) Benzo(a)anthracene	21.14	228	30652	0.364	ng	98
31) Chrysene	21.20	228	31634	0.388	ng	99
32) Bis(2-ethylhexyl)phthalate	21.10	149	18838	0.345	ng	98
33) Indeno(1,2,3-cd)pyrene	25.45	276	36555	0.402	ng	100
35) Benzo(b)fluoranthene	22.68	252	30909	0.389	ng	98
36) Benzo(k)fluoranthene	22.72	252	31576	0.392	ng	97
37) Benzo(a)pyrene	23.22	252	27700	0.377	ng	98
38) Dibenzo(a,h)anthracene	25.46	278	30160	0.416	ng	99
39) Benzo(g,h,i)perylene	26.09	276	30965	0.428	ng	98

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

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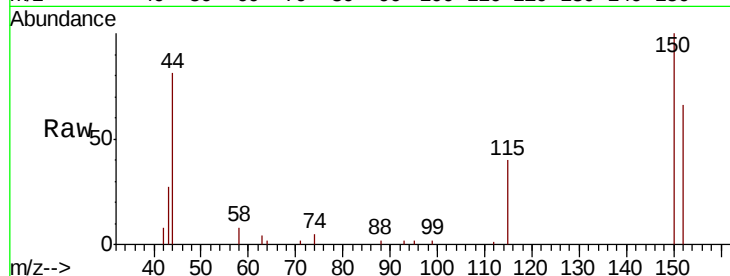


#1

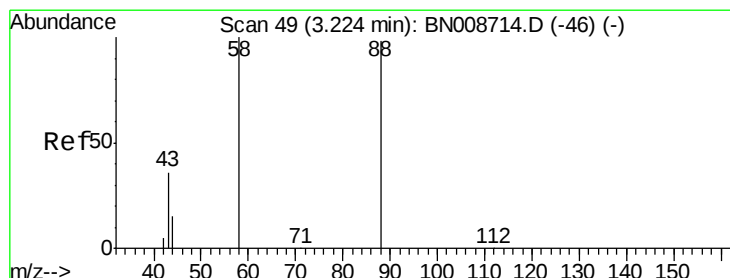
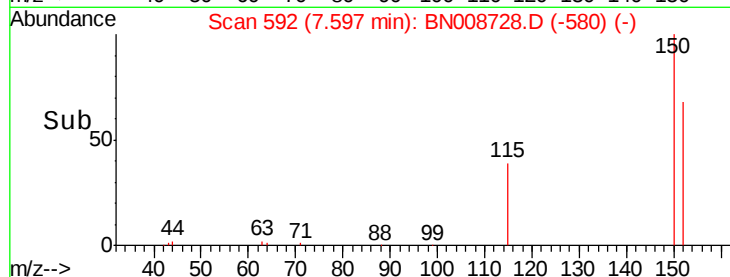
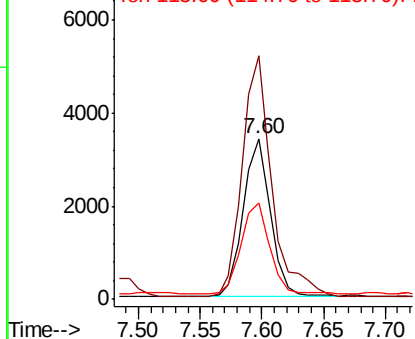
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.60 min Scan# 592
Delta R.T. -0.00 min
Lab File: BN008728.D
Acq: 23 Nov 2019 14:38

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 5161
Ion Ratio Lower Upper
152 100
150 151.4 124.0 186.0
115 60.0 49.8 74.8



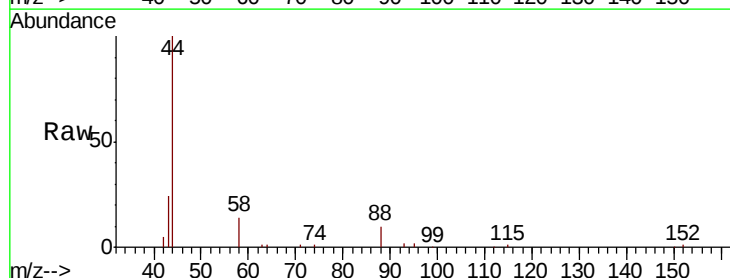
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



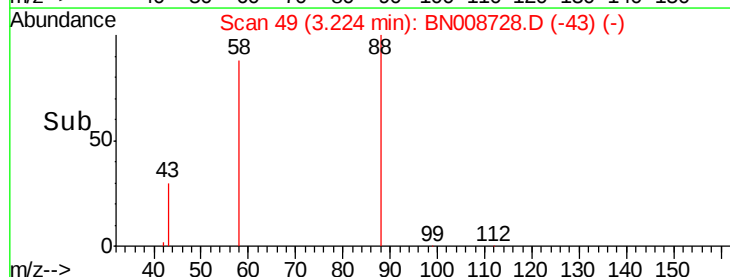
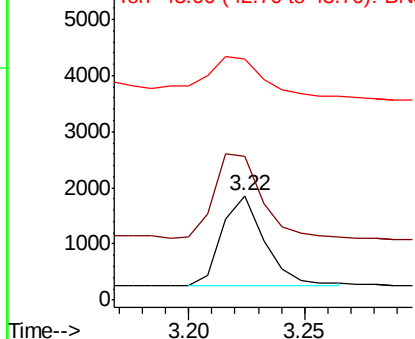
#2

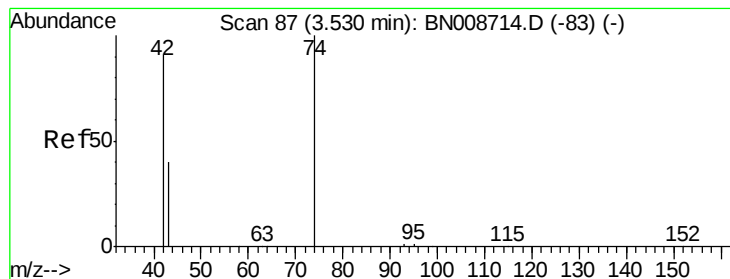
1,4-Dioxane
Concen: 0.372 ng
RT: 3.22 min Scan# 49
Delta R.T. -0.00 min
Lab File: BN008728.D
Acq: 23 Nov 2019 14:38

Tgt Ion: 88 Resp: 2029
Ion Ratio Lower Upper
88 100
58 103.8 85.7 128.5
43 50.5 29.5 44.3#



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



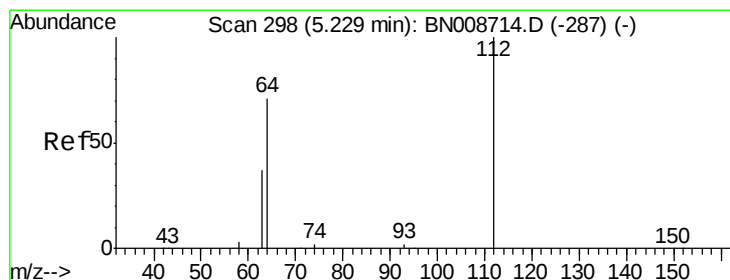
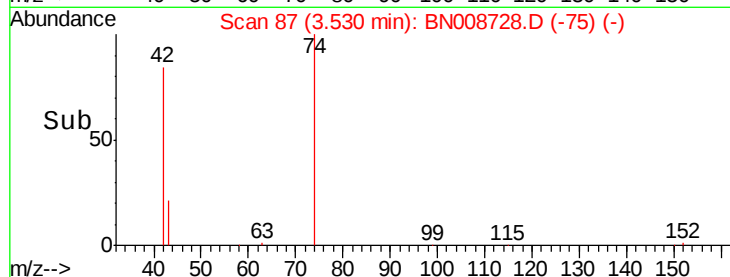
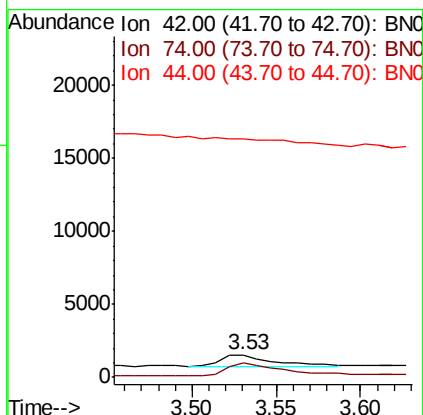
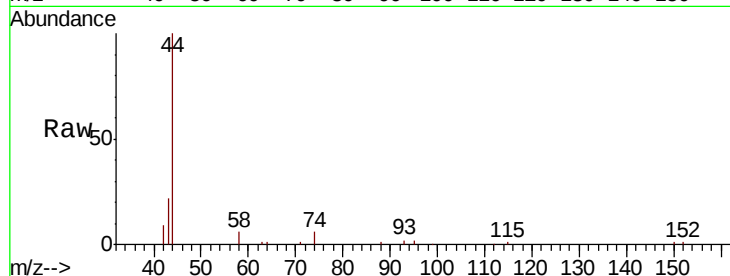


#3

n-Nitrosodimethylamine
 Concen: 0.261 ng
 RT: 3.53 min Scan# 87
 Delta R.T. 0.00 min
 Lab File: BN008728.D
 Acq: 23 Nov 2019 14:38

Instrument :
 BNA_N
 ClientSampleId :

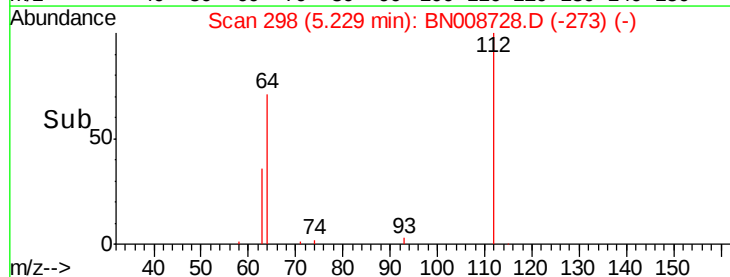
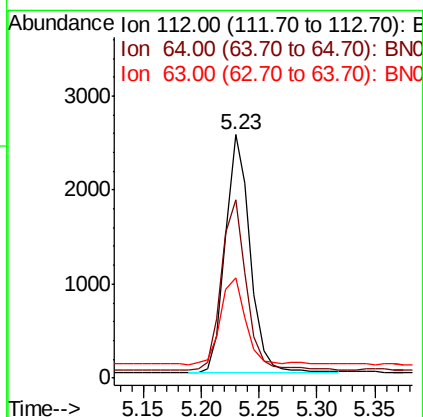
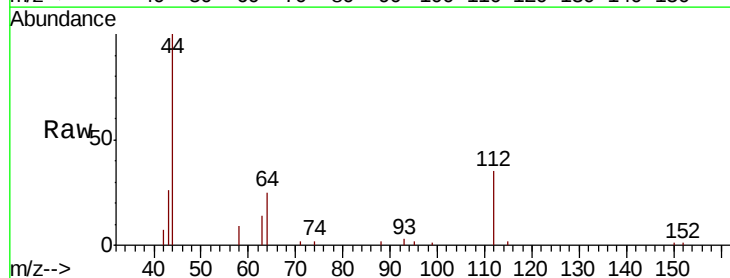
Tot Ion	Ratio	Lower	Upper
42	100		
74	111.6	88.0	132.0
44	0.0	0.0	0.0

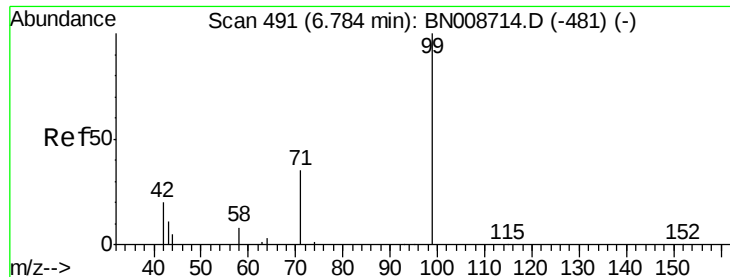


#4

2-Fluorophenol
 Concen: 0.278 ng
 RT: 5.23 min Scan# 298
 Delta R.T. -0.00 min
 Lab File: BN008728.D
 Acq: 23 Nov 2019 14:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.1	57.1	85.7
63	36.2	29.7	44.5





#5

Phenol-d6

Concen: 0.214 ng

RT: 6.78 min Scan# 491

Delta R.T. -0.00 min

Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

Instrument :

BNA_N

ClientSampleId :

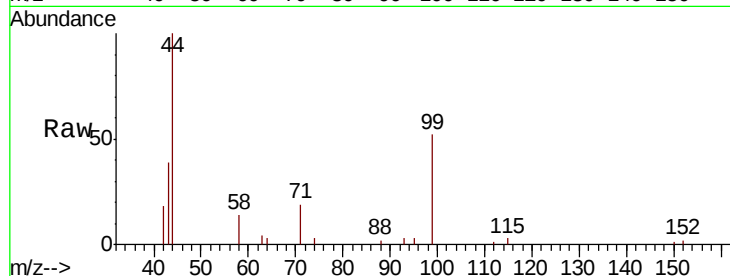
Tot Ion: 99 Resp: 3658

Ion Ratio Lower Upper

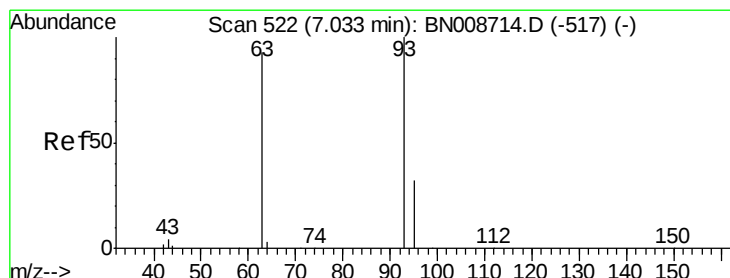
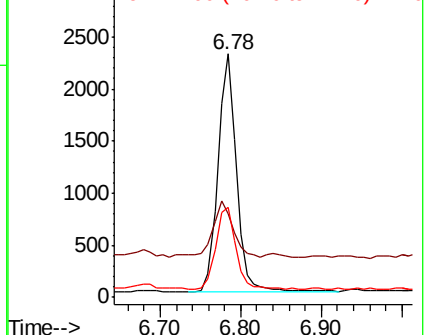
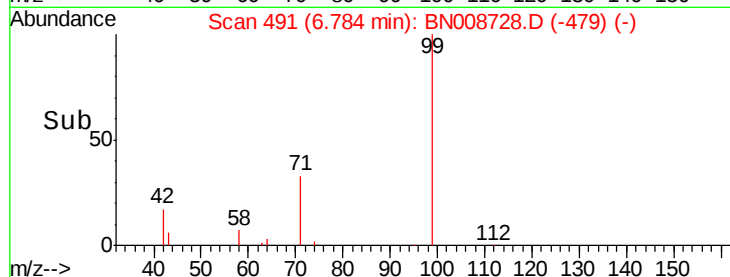
99 100

42 24.3 19.4 29.2

71 36.7 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BN008728.D (-479) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.372 ng

RT: 7.03 min Scan# 522

Delta R.T. -0.00 min

Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

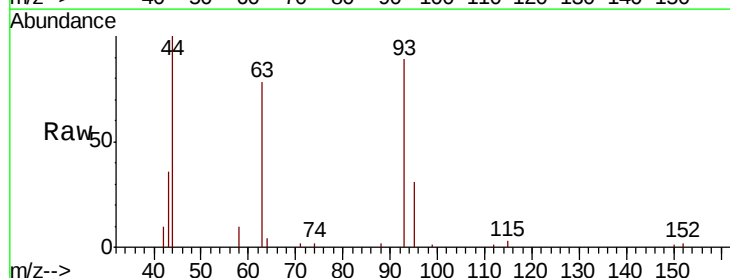
Tgt Ion: 93 Resp: 5962

Ion Ratio Lower Upper

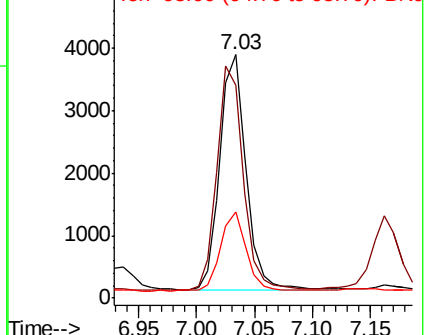
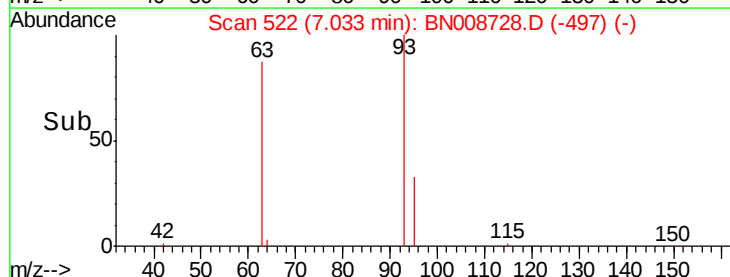
93 100

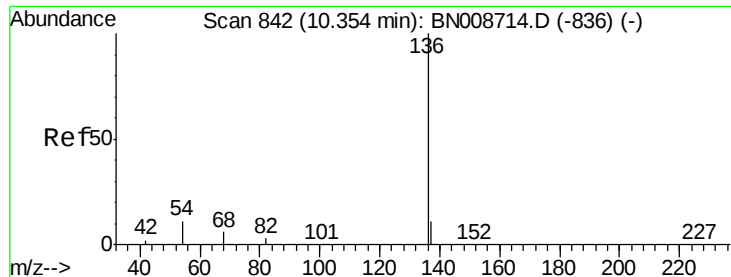
63 95.5 74.2 111.4

95 33.0 26.2 39.2



Abundance Ion 93.00 (92.70 to 93.70): BN008728.D (-497) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.35 min Scan# 842

Delta R.T. -0.00 min

Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 18211

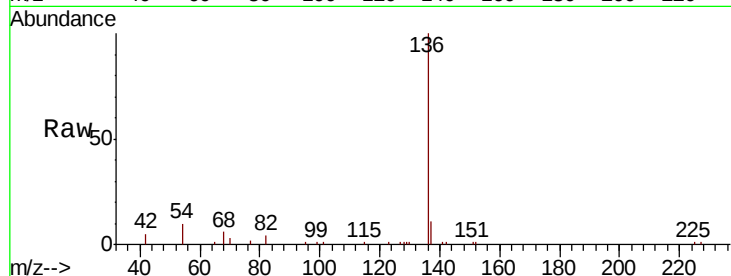
Ion Ratio Lower Upper

136 100

137 11.5 9.3 13.9

54 9.6 9.4 14.2

68 6.0 5.8 8.6

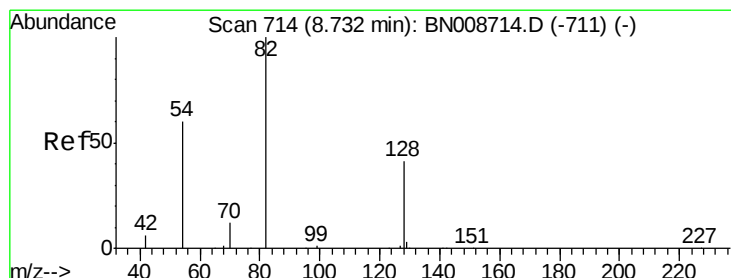
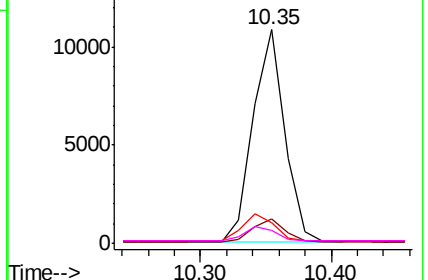
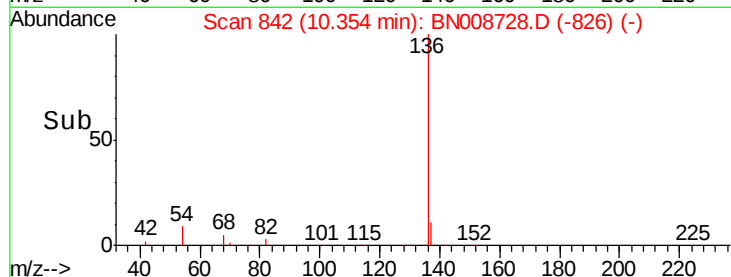


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.394 ng

RT: 8.72 min Scan# 713

Delta R.T. -0.01 min

Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

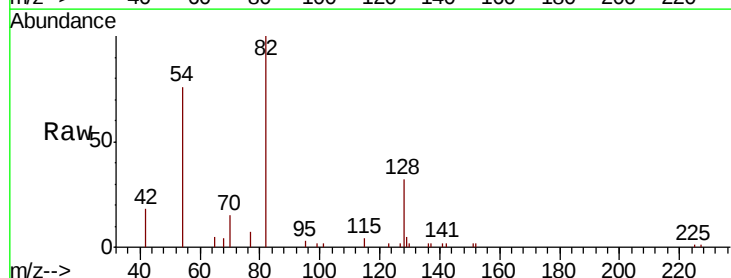
Tgt Ion: 82 Resp: 6439

Ion Ratio Lower Upper

82 100

128 32.3 34.6 52.0#

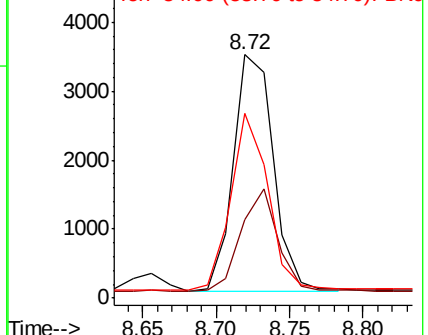
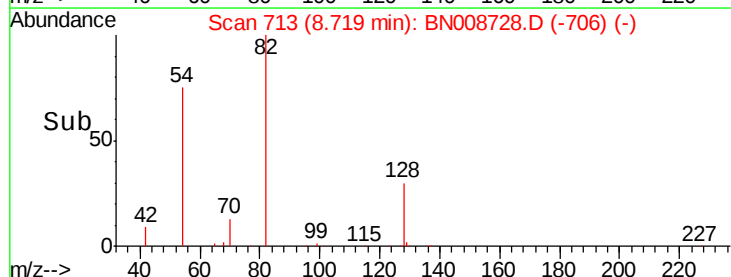
54 76.0 50.2 75.4#

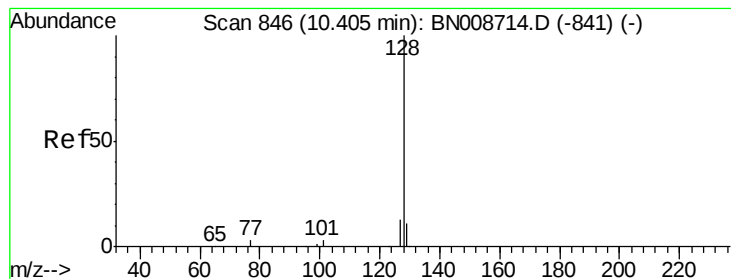


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.368 ng

RT: 10.41 min Scan# 846

Delta R.T. -0.00 min

Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

Instrument :

BNA_N

ClientSampleId :

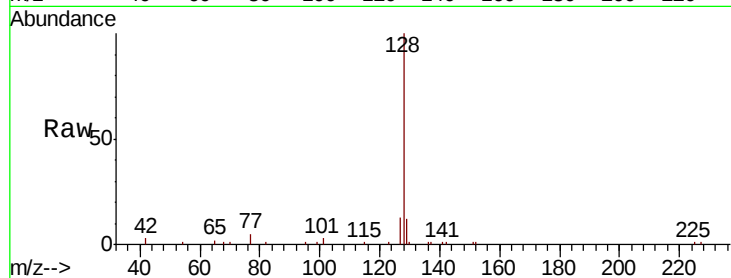
Tot Ion:128 Resp: 17881

Ion Ratio Lower Upper

128 100

129 11.8 9.4 14.2

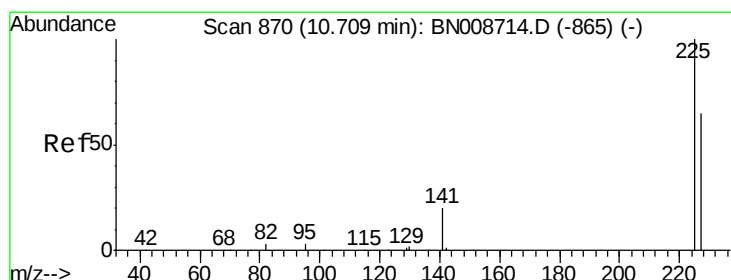
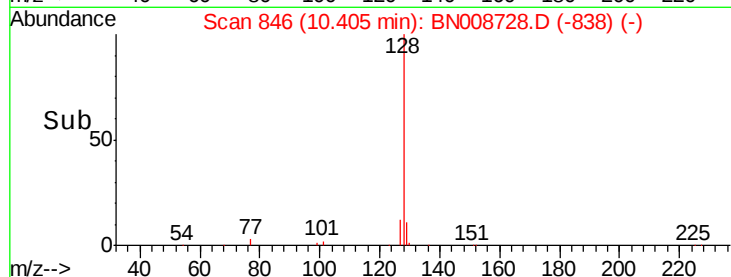
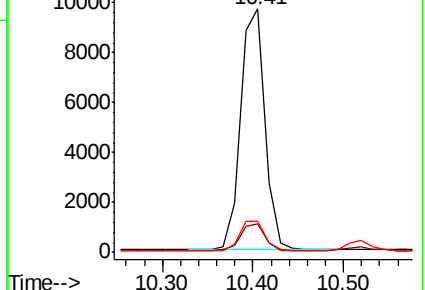
127 12.7 10.5 15.7



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: 0.267 ng

RT: 10.71 min Scan# 870

Delta R.T. -0.00 min

Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

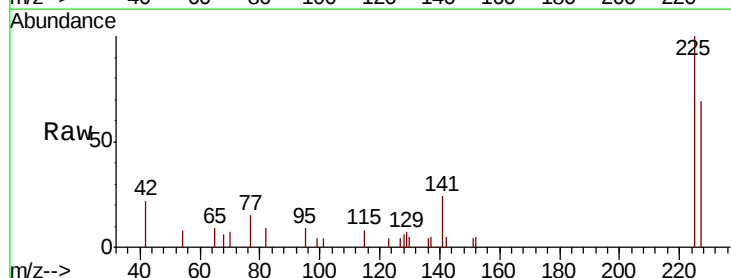
Tgt Ion:225 Resp: 2690

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

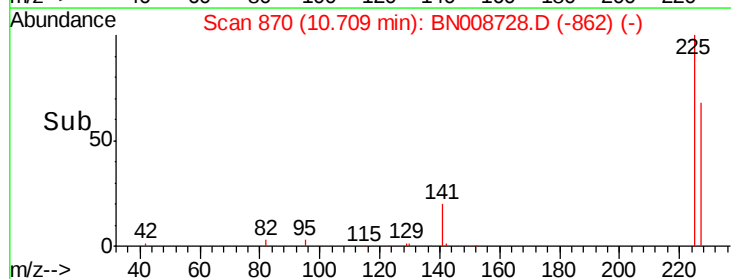
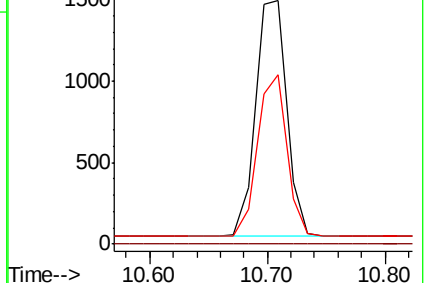
227 64.6 51.8 77.6

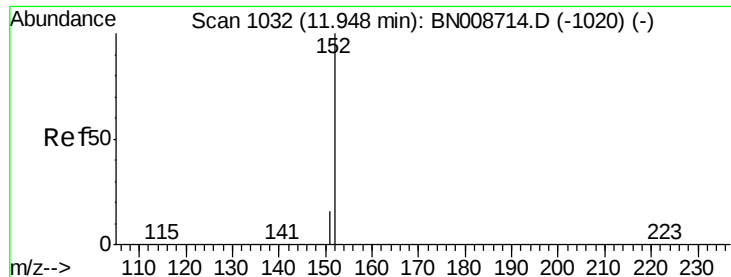


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

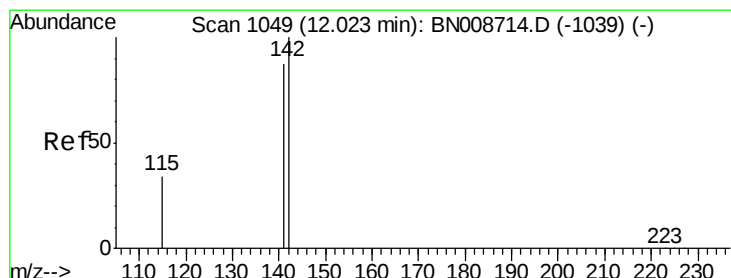
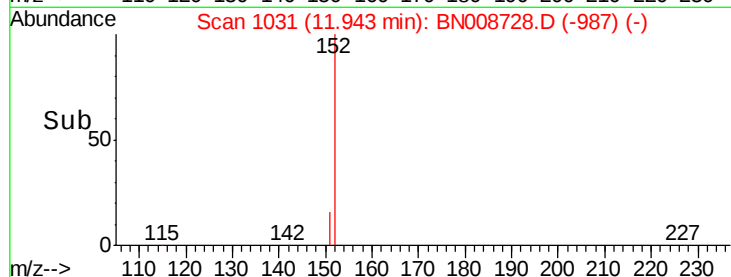
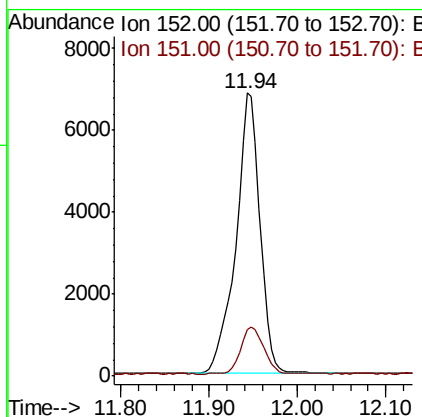
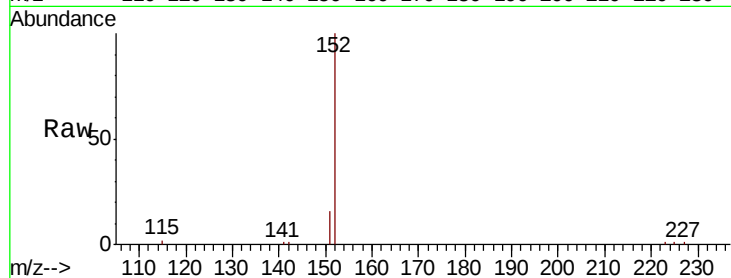




#11
2-Methylnaphthalene-d10
Concen: 0.452 ng
RT: 11.94 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BN008728.D
Acq: 23 Nov 2019 14:38

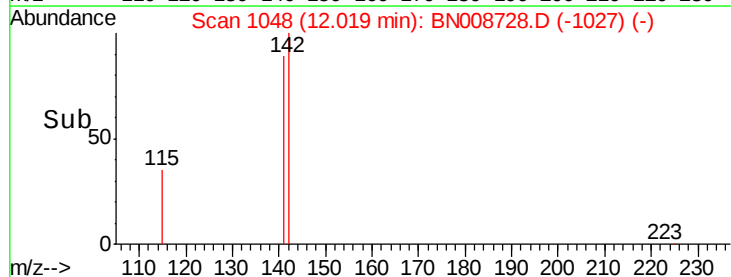
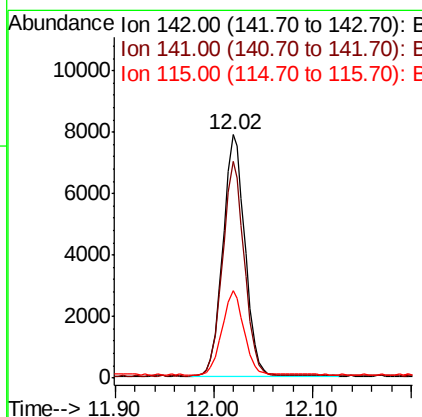
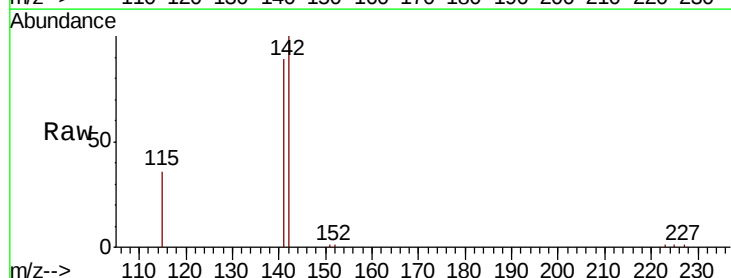
Instrument :
BNA_N
ClientSampleId :

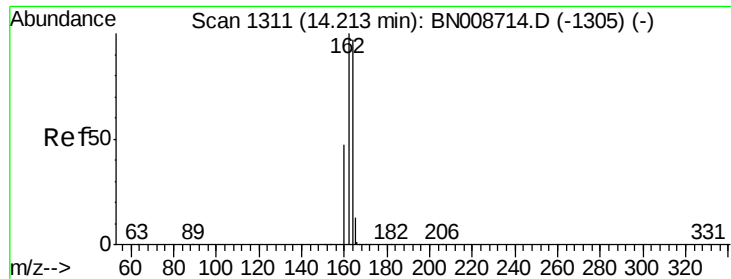
Tot Ion:152 Resp: 12995
Ion Ratio Lower Upper
152 100
151 15.7 15.2 22.8



#12
2-Methylnaphthalene
Concen: 0.361 ng
RT: 12.02 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BN008728.D
Acq: 23 Nov 2019 14:38

Tgt Ion:142 Resp: 12216
Ion Ratio Lower Upper
142 100
141 88.8 69.8 104.6
115 35.9 28.4 42.6

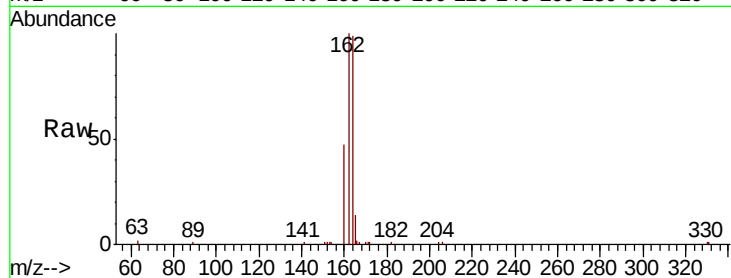




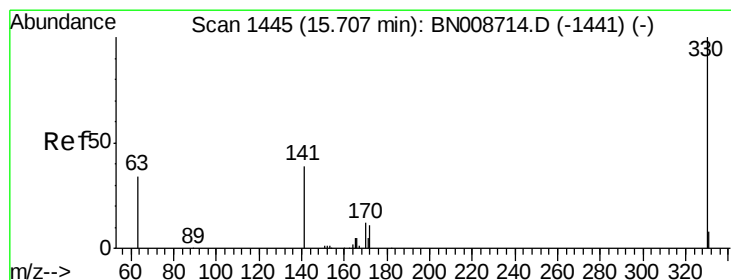
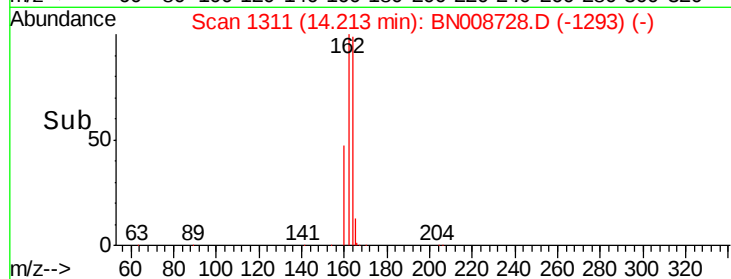
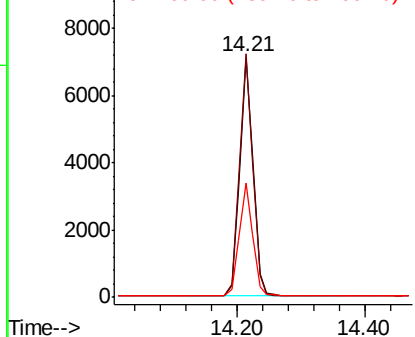
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.21 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BN008728.D
Acq: 23 Nov 2019 14:38

Instrument :
BNA_N
ClientSampleId :

Tot Ion:164 Resp: 10358
Ion Ratio Lower Upper
164 100
162 101.5 82.2 123.4
160 47.9 38.7 58.1

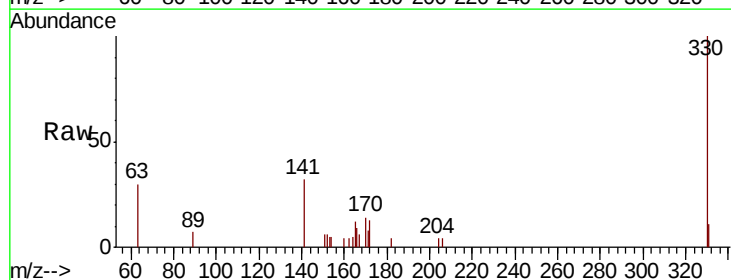


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

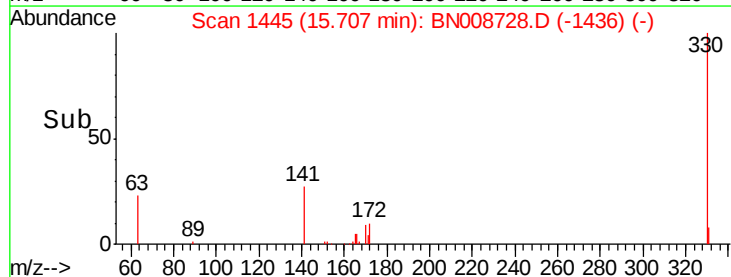
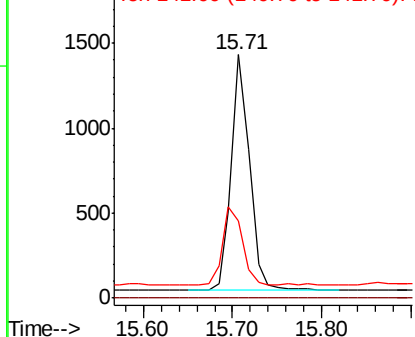


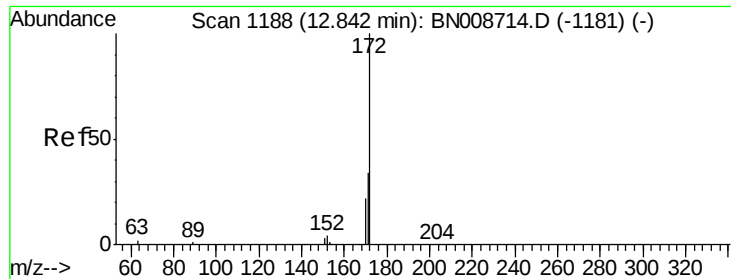
#14
2,4,6-Tribromophenol
Concen: 0.410 ng
RT: 15.71 min Scan# 1445
Delta R.T. -0.00 min
Lab File: BN008728.D
Acq: 23 Nov 2019 14:38

Tgt Ion:330 Resp: 1977
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 37.5 29.5 44.3



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

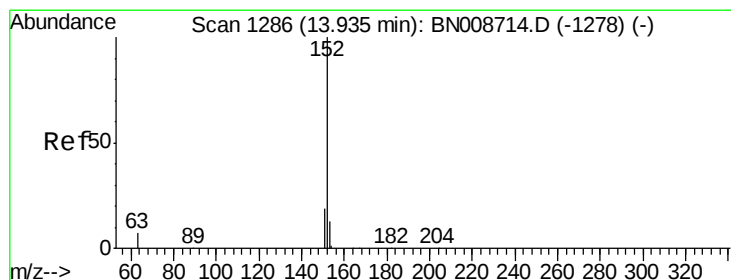
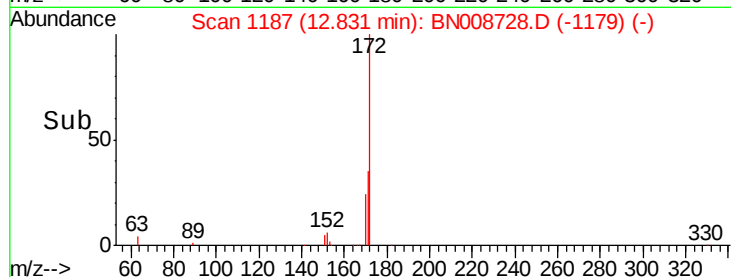
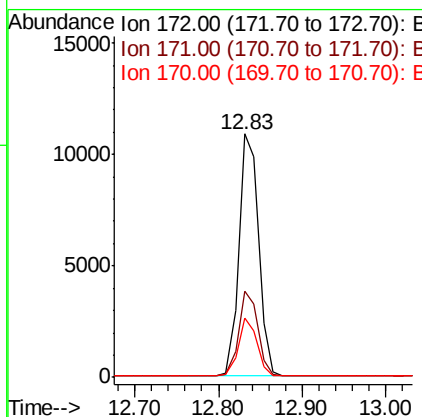
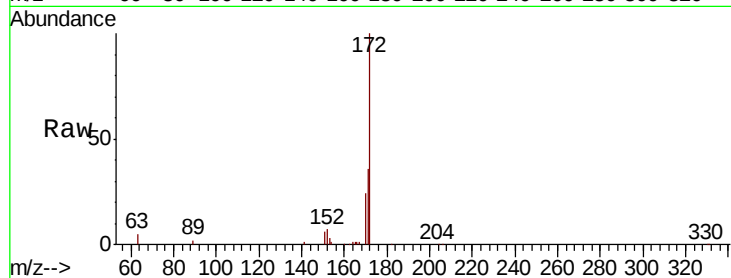




#15
2-Fluorobiphenyl
Concen: 0.439 ng
RT: 12.83 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BN008728.D
Acq: 23 Nov 2019 14:38

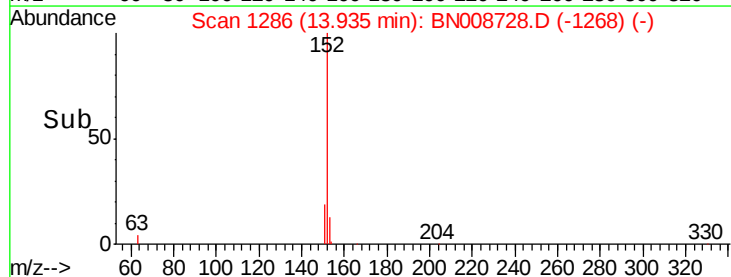
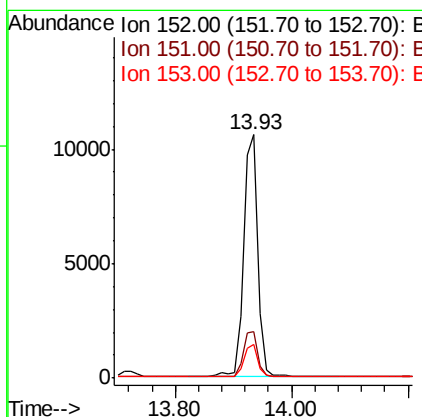
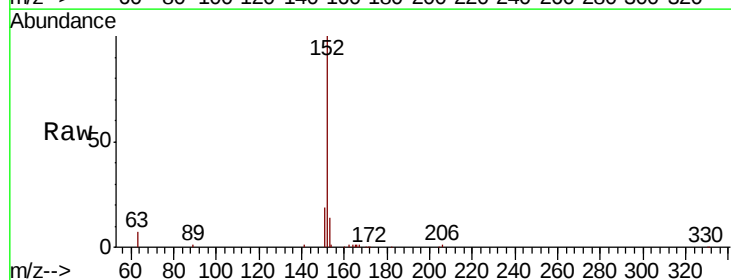
Instrument :
BNA_N
ClientSampleId :

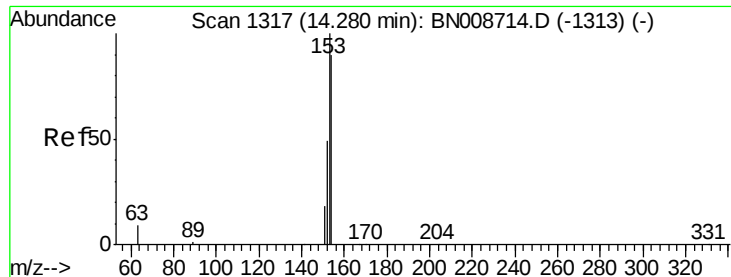
Tot Ion:172 Resp: 17782
Ion Ratio Lower Upper
172 100
171 35.6 27.3 40.9
170 24.1 17.8 26.6



#16
Acenaphthylene
Concen: 0.377 ng
RT: 13.93 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BN008728.D
Acq: 23 Nov 2019 14:38

Tgt Ion:152 Resp: 17949
Ion Ratio Lower Upper
152 100
151 19.0 15.5 23.3
153 13.2 10.3 15.5





#17

Acenaphthene

Concen: 0.360 ng

RT: 14.28 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

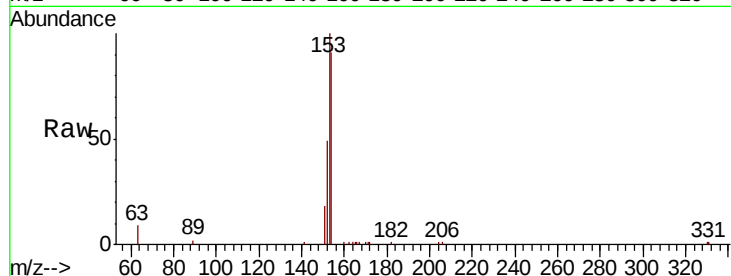
Instrument :

BNA_N

ClientSampled :

Tot Ion:154 Resp: 11310

Ion	Ratio	Lower	Upper
154	100		
153	112.4	89.6	134.4
152	56.4	44.7	67.1

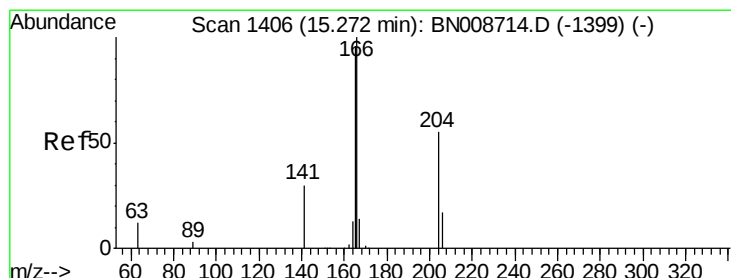
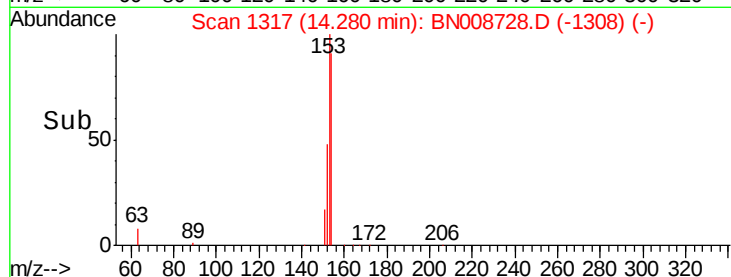
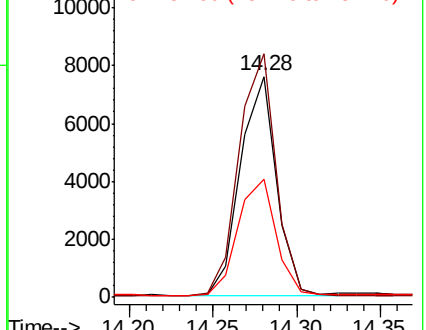


Abundance

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: 0.389 ng

RT: 15.27 min Scan# 1406

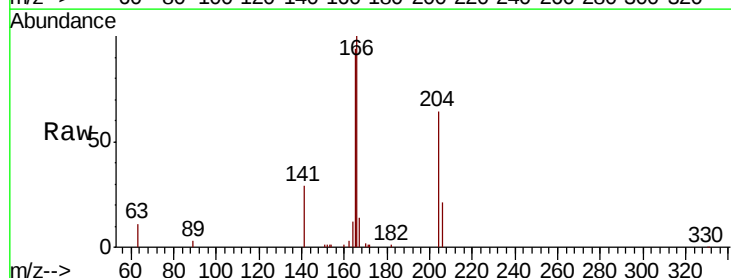
Delta R.T. -0.00 min

Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

Tgt Ion:166 Resp: 15615

Ion	Ratio	Lower	Upper
166	100		
165	96.5	77.7	116.5
167	13.4	10.8	16.2

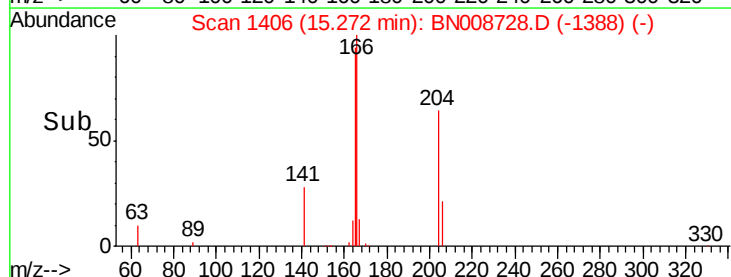
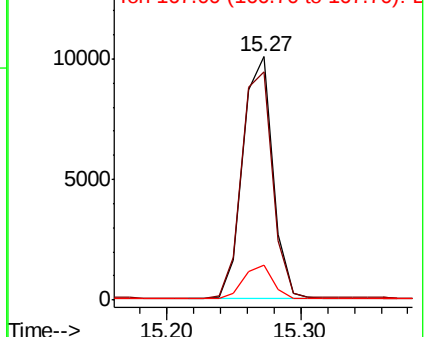


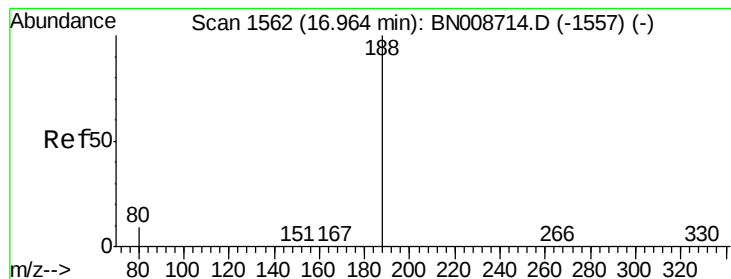
Abundance

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: 16.95 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

Instrument :

BNA_N

ClientSampleId :

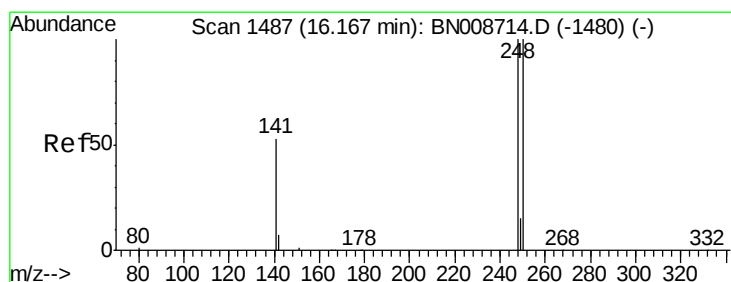
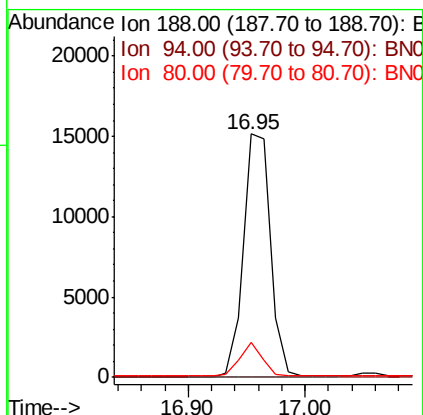
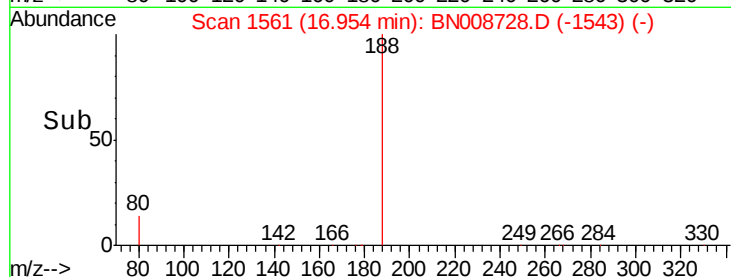
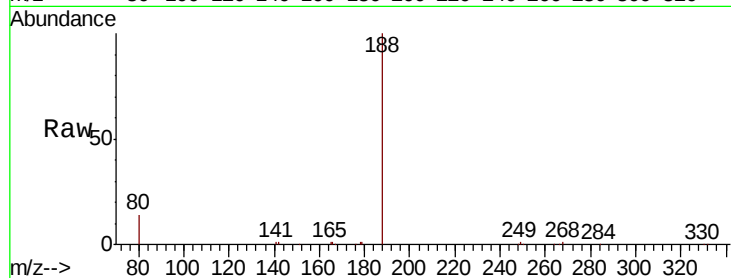
Tot Ion:188 Resp: 24186

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.1 7.4 11.0#



#20

4-Bromophenyl-phenylether

Concen: 0.410 ng

RT: 16.17 min Scan# 1487

Delta R.T. -0.00 min

Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

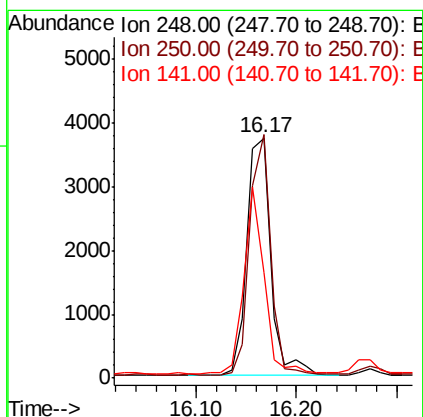
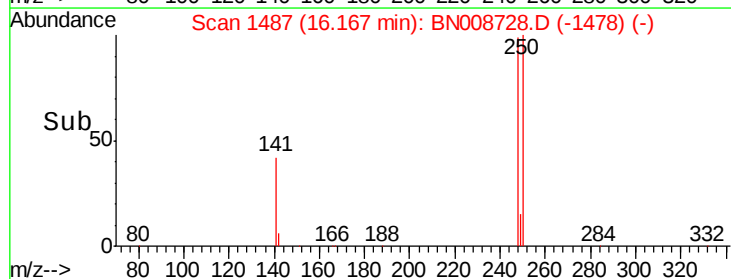
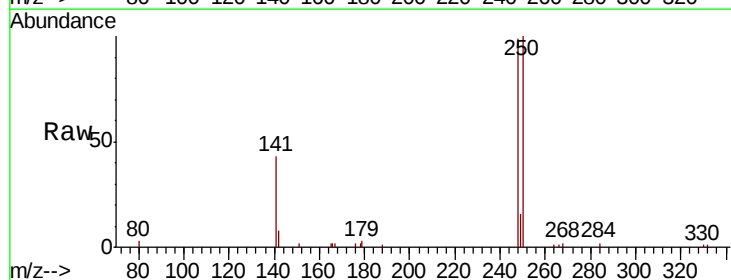
Tgt Ion:248 Resp: 6186

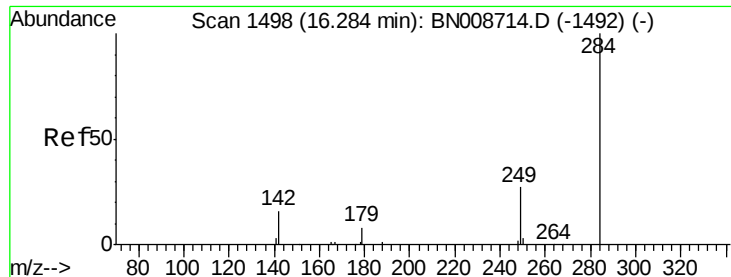
Ion Ratio Lower Upper

248 100

250 101.5 80.5 120.7

141 44.0 43.8 65.6





#21

Hexachlorobenzene

Concen: 0.333 ng

RT: 16.27 min Scan# 1497

Delta R.T. -0.01 min

Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

Instrument :

BNA_N

ClientSampleId :

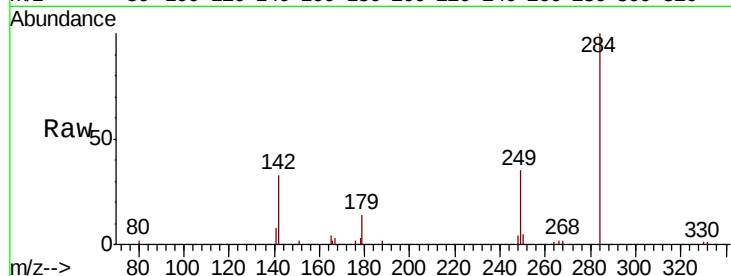
Tot Ion:284 Resp: 5533

Ion	Ratio	Lower	Upper
284	100		
142	34.5	27.4	41.0
249	31.3	25.4	38.0

284 100

142 34.5 27.4 41.0

249 31.3 25.4 38.0

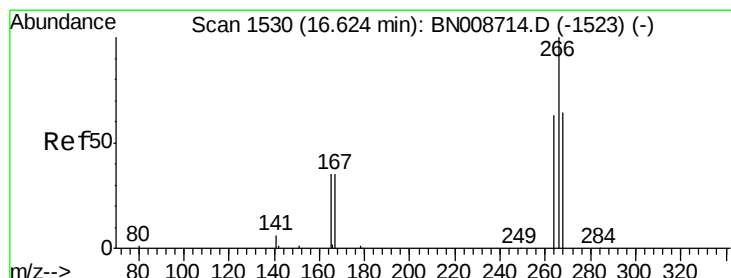
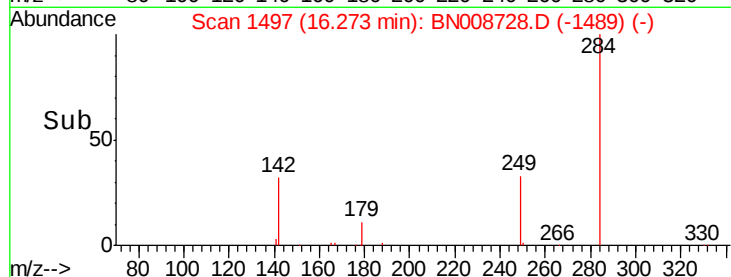
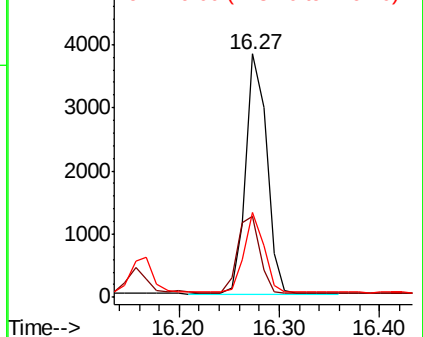


Abundance

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: 0.227 ng

RT: 16.62 min Scan# 1530

Delta R.T. -0.00 min

Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

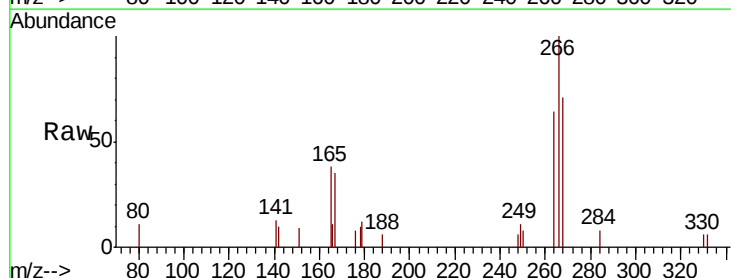
Tgt Ion:266 Resp: 1353

Ion	Ratio	Lower	Upper
266	100		
264	63.6	51.0	76.4
268	71.4	54.1	81.1

266 100

264 63.6 51.0 76.4

268 71.4 54.1 81.1

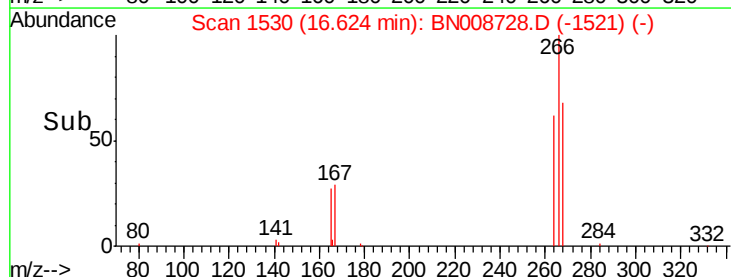
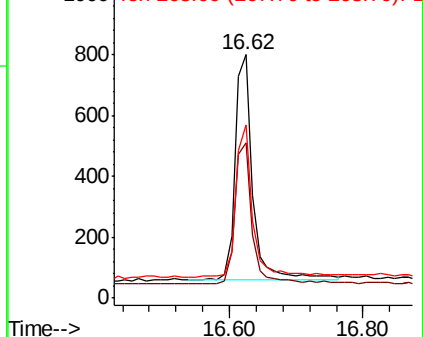


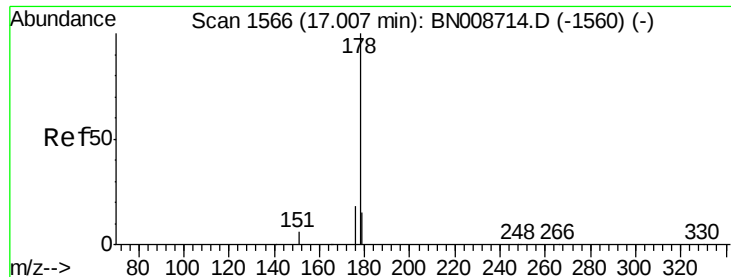
Abundance

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: 0.383 ng

RT: 17.00 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

Instrument :

BNA_N

ClientSampleId :

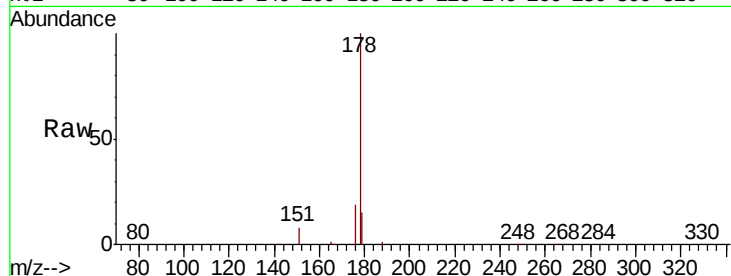
Tot Ion:178 Resp: 28590

Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.4

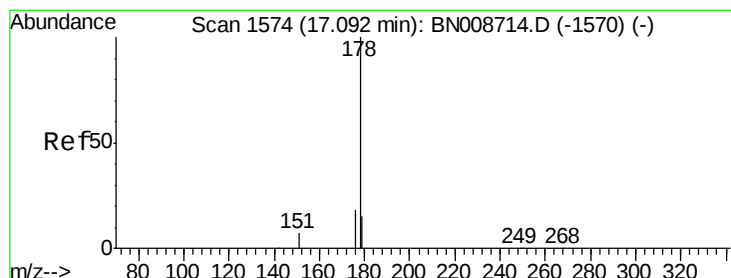
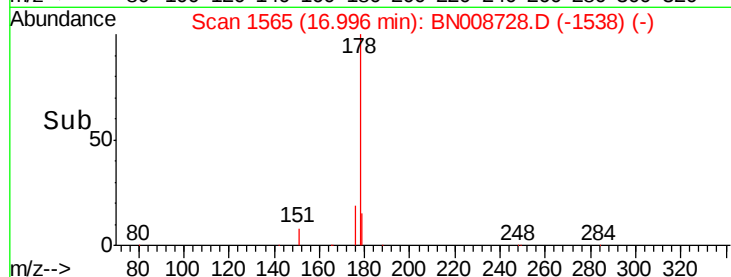
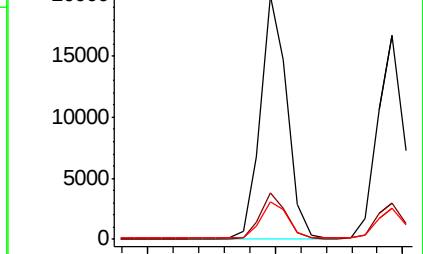
179 15.6 12.3 18.5



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: 0.365 ng

RT: 17.09 min Scan# 1574

Delta R.T. -0.00 min

Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

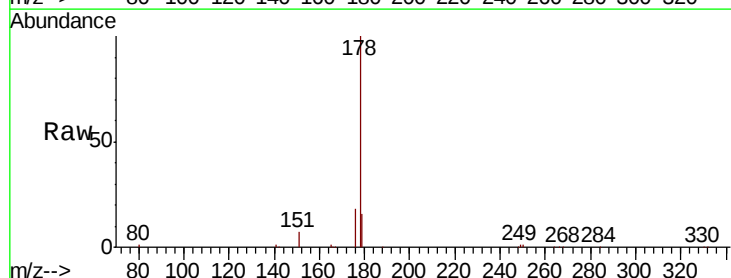
Tgt Ion:178 Resp: 24336

Ion Ratio Lower Upper

178 100

176 18.0 14.4 21.6

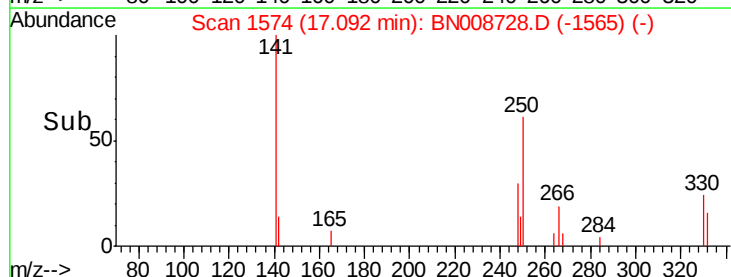
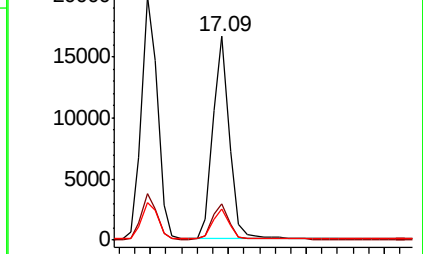
179 15.1 12.0 18.0

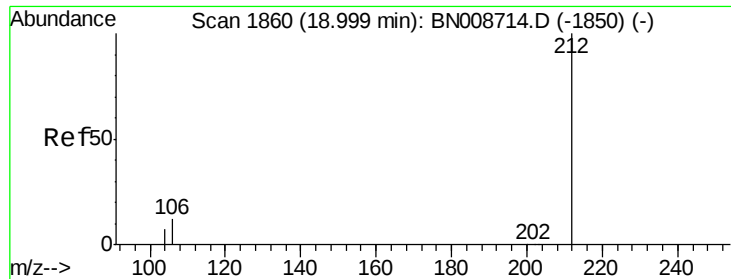


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.403 ng

RT: 18.99 min Scan# 1859

Delta R.T. -0.00 min

Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

Instrument :

BNA_N

ClientSampleId :

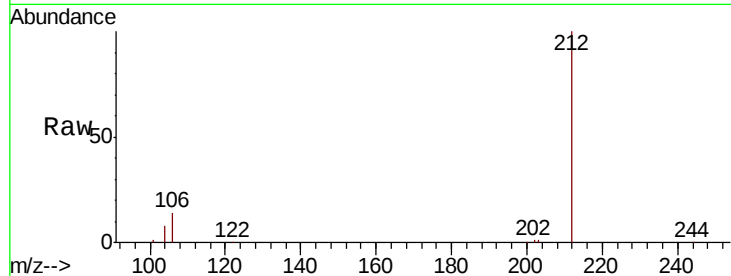
Tot Ion:212 Resp: 28653

Ion Ratio Lower Upper

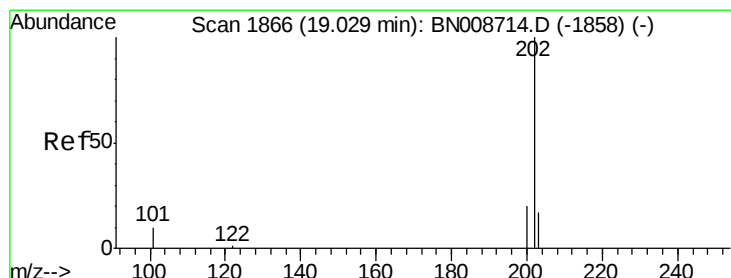
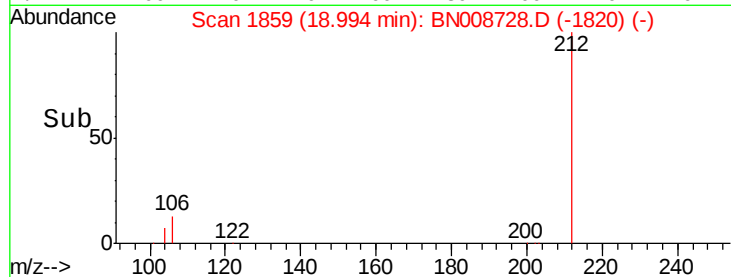
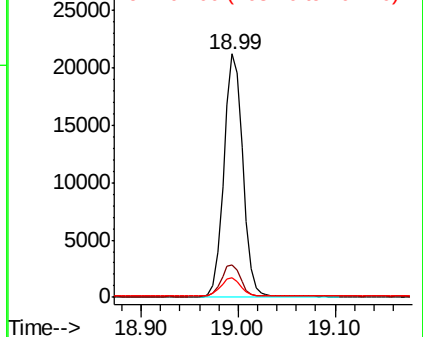
212 100

106 13.3 10.6 15.8

104 7.6 6.0 9.0



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: 0.380 ng

RT: 19.02 min Scan# 1865

Delta R.T. -0.00 min

Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

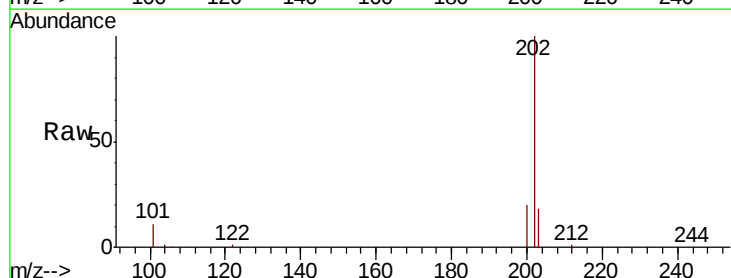
Tgt Ion:202 Resp: 33307

Ion Ratio Lower Upper

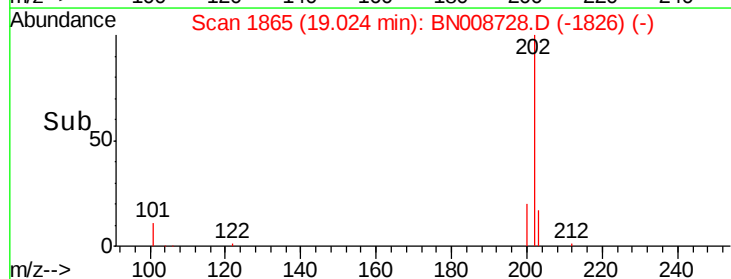
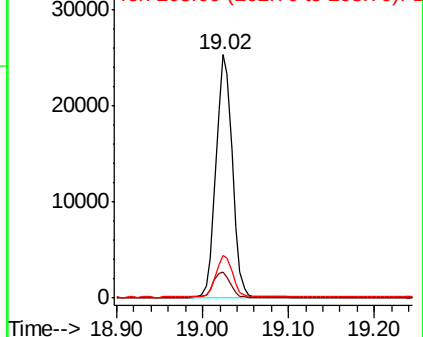
202 100

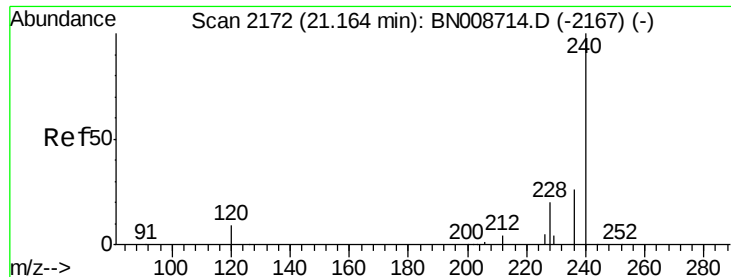
101 11.0 9.0 13.4

203 17.3 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: 21.16 min Scan# 2172

Delta R.T. -0.00 min

Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

Instrument :

BNA_N

ClientSampleId :

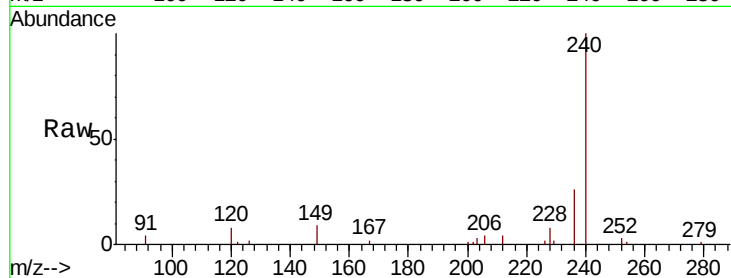
Tot Ion:240 Resp: 23010

Ion Ratio Lower Upper

240 100

120 7.6 9.0 13.4#

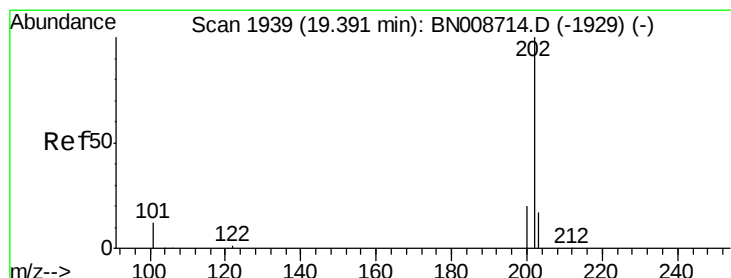
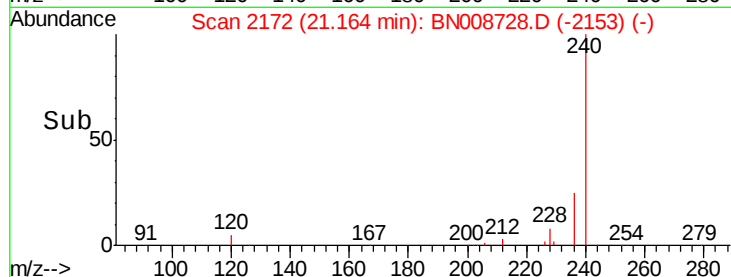
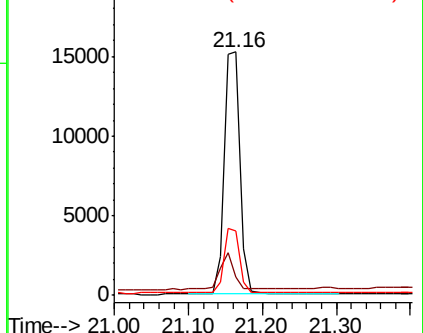
236 26.3 21.8 32.6



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: 0.405 ng

RT: 19.39 min Scan# 1938

Delta R.T. -0.00 min

Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

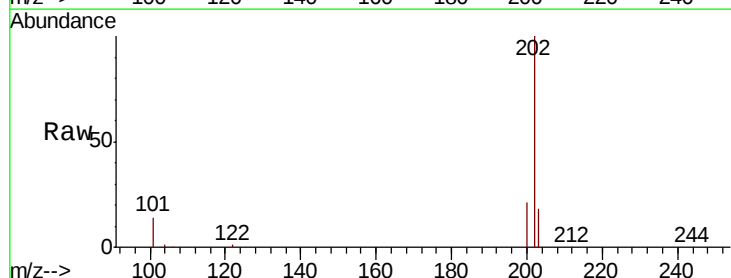
Tgt Ion:202 Resp: 34371

Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.4

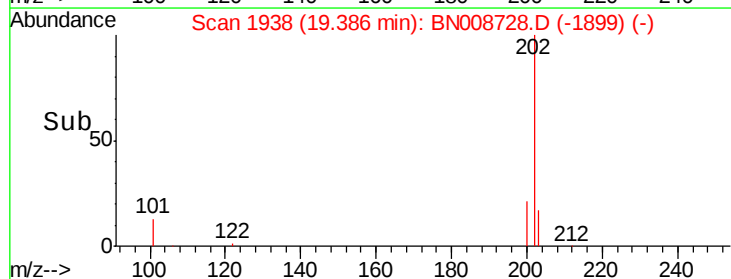
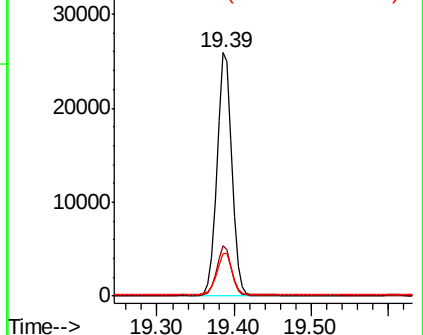
203 17.9 14.0 21.0

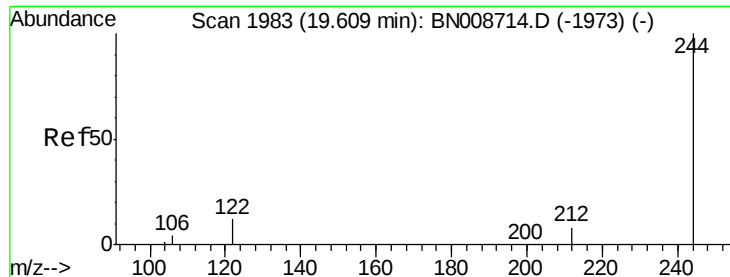


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.475 ng

RT: 19.60 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

Instrument :

BNA_N

ClientSampled :

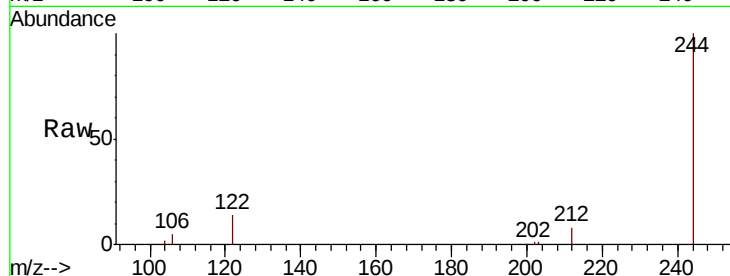
Tot Ion:244 Resp: 26273

Ion Ratio Lower Upper

244 100

212 8.2 6.6 9.8

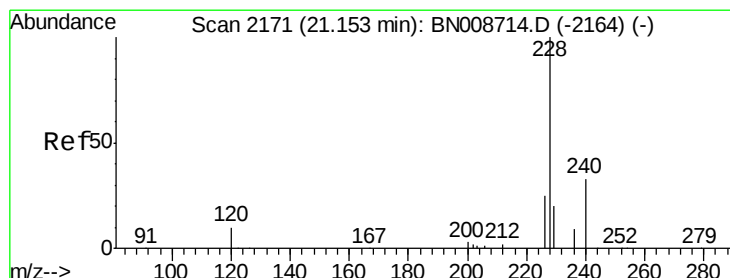
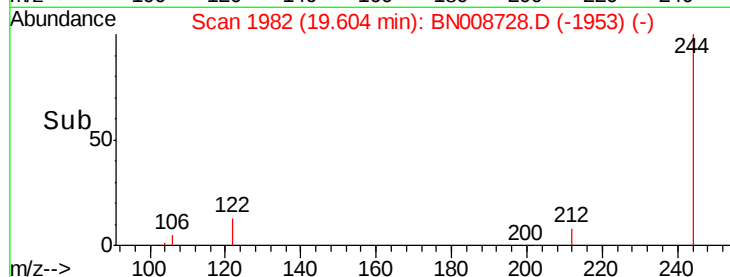
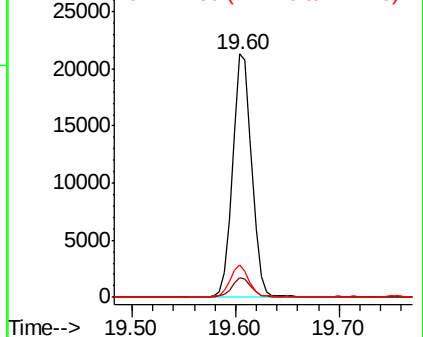
122 13.5 10.1 15.1



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: 0.364 ng

RT: 21.14 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

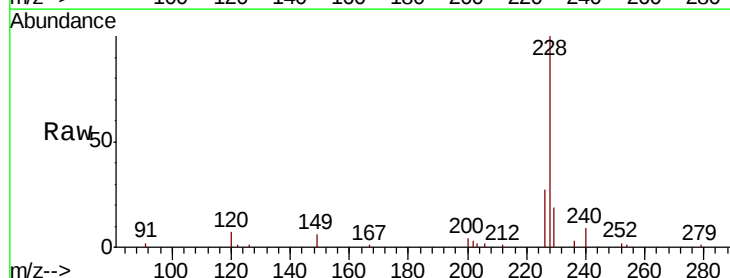
Tgt Ion:228 Resp: 30652

Ion Ratio Lower Upper

228 100

226 26.5 20.3 30.5

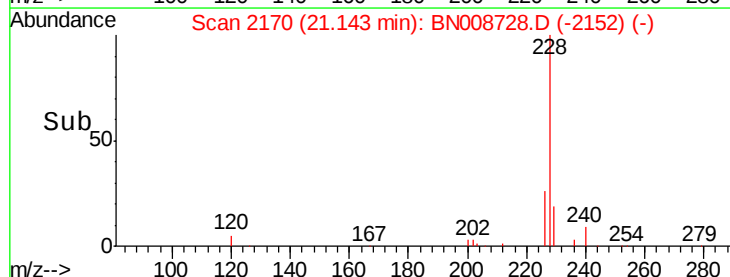
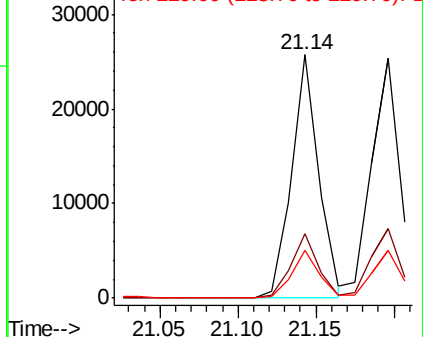
229 19.5 16.2 24.4

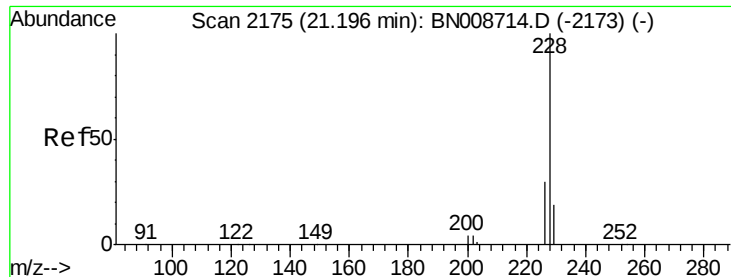


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.388 ng

RT: 21.20 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

Instrument :

BNA_N

ClientSampleId :

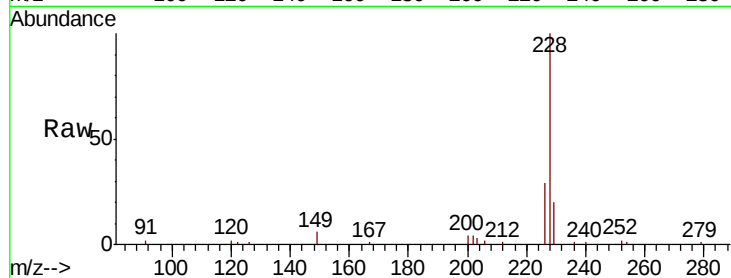
Tot Ion:228 Resp: 31634

Ion Ratio Lower Upper

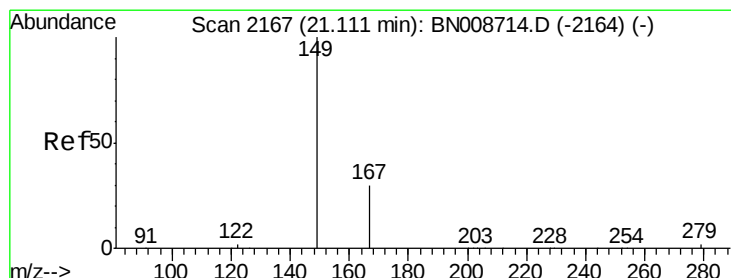
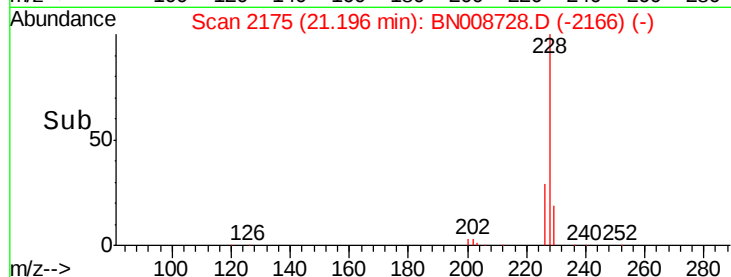
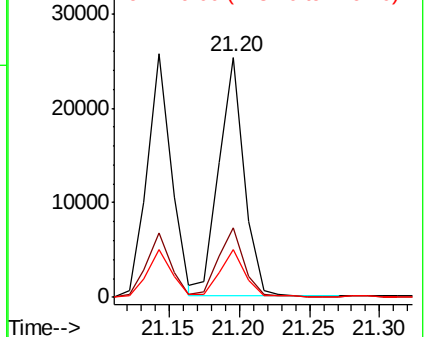
228 100

226 28.9 23.8 35.8

229 19.7 15.4 23.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.345 ng

RT: 21.10 min Scan# 2166

Delta R.T. -0.01 min

Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

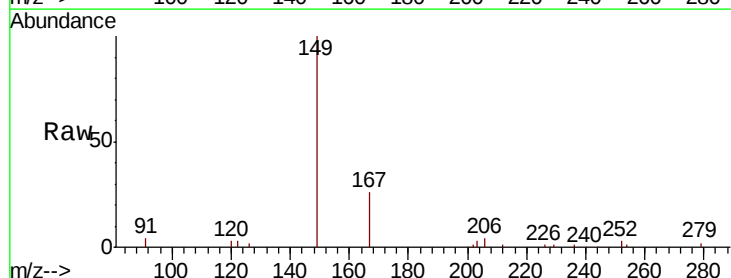
Tgt Ion:149 Resp: 18838

Ion Ratio Lower Upper

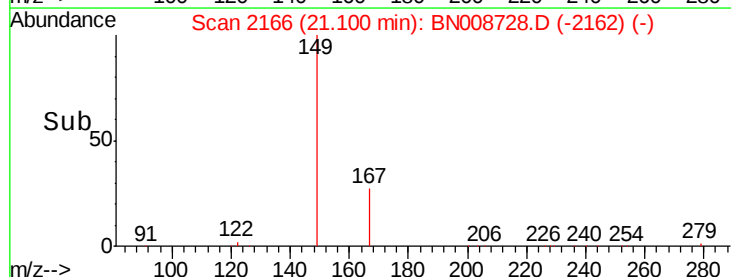
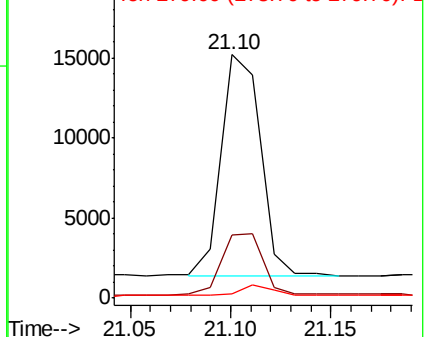
149 100

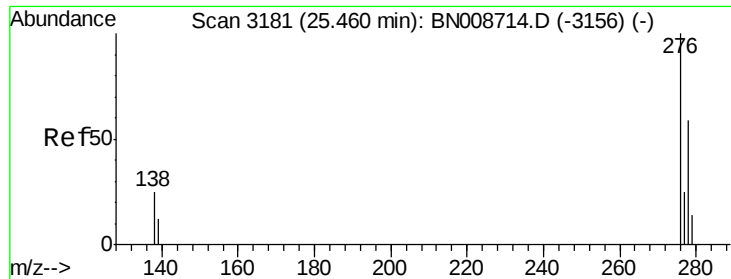
167 28.1 23.5 35.3

279 3.9 3.4 5.0



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

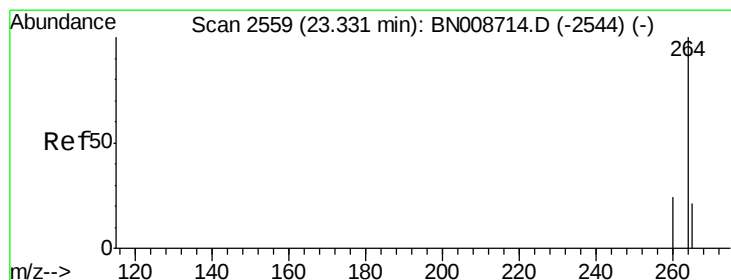
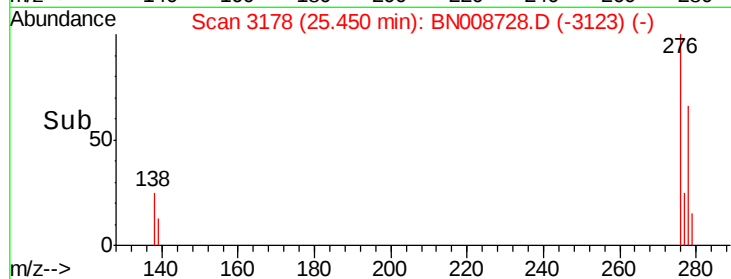
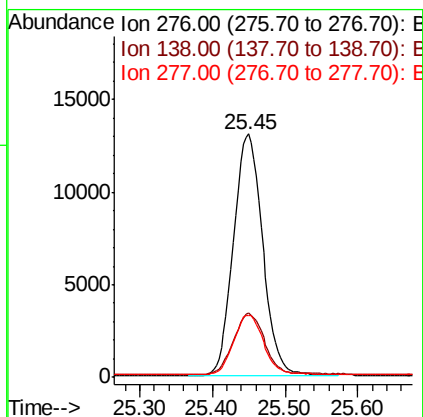
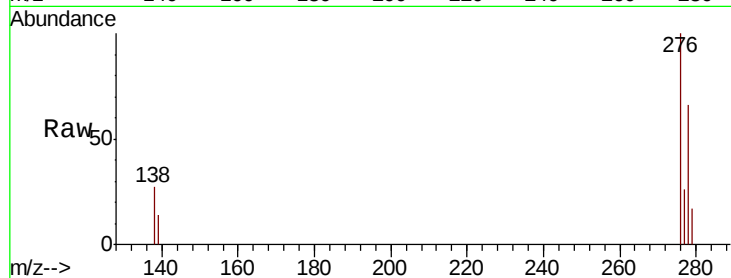




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.402 ng
RT: 25.45 min Scan# 3178
Delta R.T. -0.01 min
Lab File: BN008728.D
Acq: 23 Nov 2019 14:38

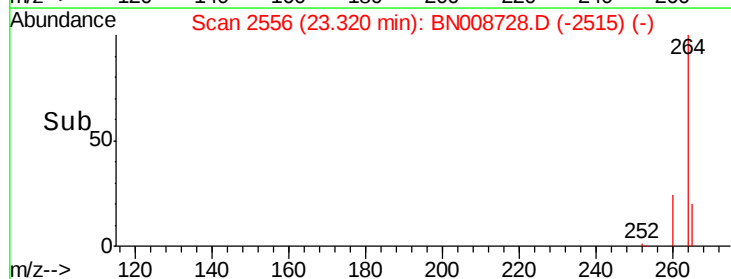
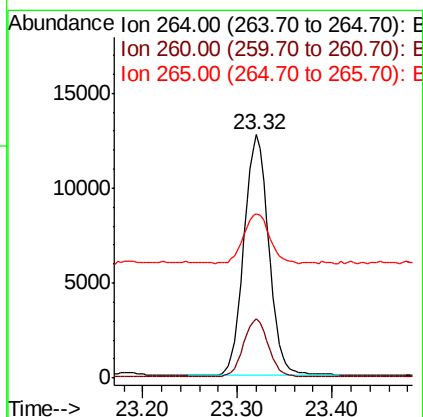
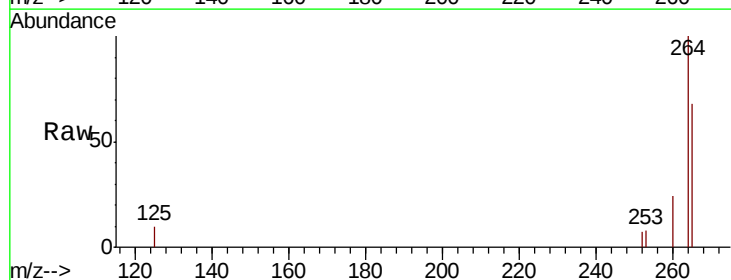
Instrument :
BNA_N
ClientSampleId :

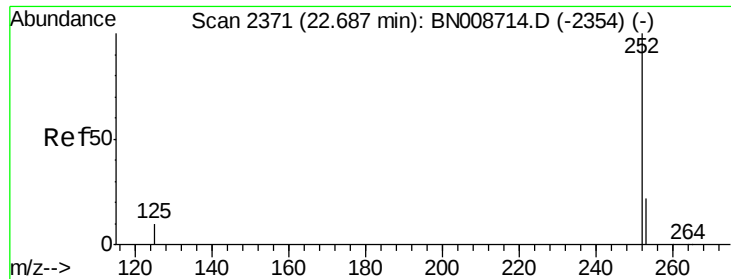
Tot Ion:276 Resp: 36555
Ion Ratio Lower Upper
276 100
138 26.6 21.0 31.6
277 24.9 19.9 29.9



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.32 min Scan# 2556
Delta R.T. -0.01 min
Lab File: BN008728.D
Acq: 23 Nov 2019 14:38

Tgt Ion:264 Resp: 22970
Ion Ratio Lower Upper
264 100
260 24.3 19.6 29.4
265 67.6 61.8 92.6

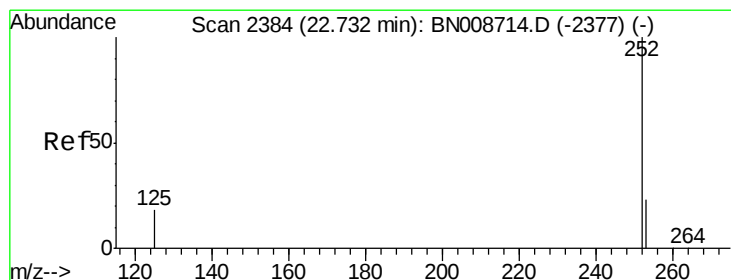
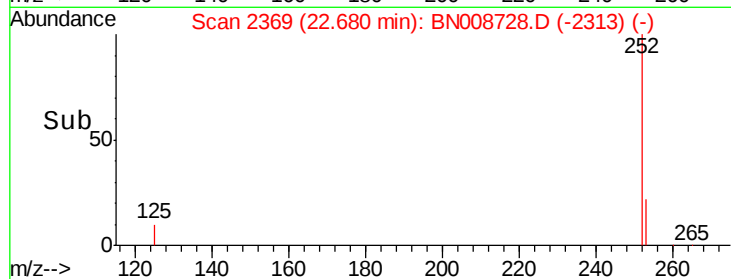
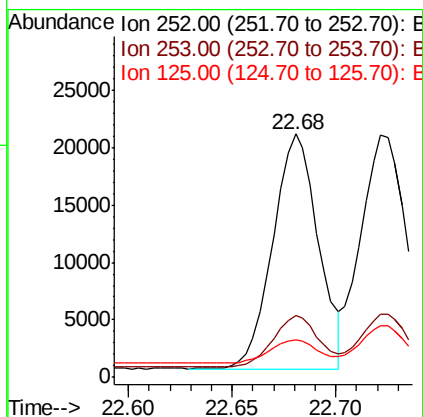
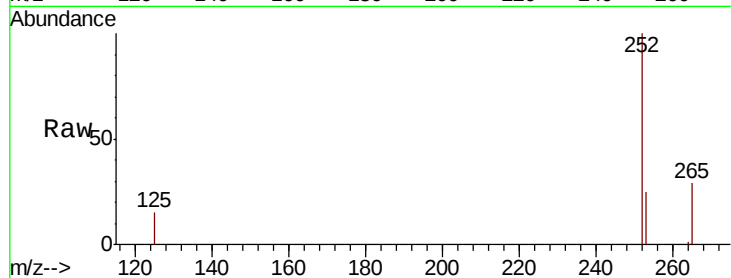




#35
Benzo(b)fluoranthene
Concen: 0.389 ng
RT: 22.68 min Scan# 2369
Delta R.T. -0.01 min
Lab File: BN008728.D
Acq: 23 Nov 2019 14:38

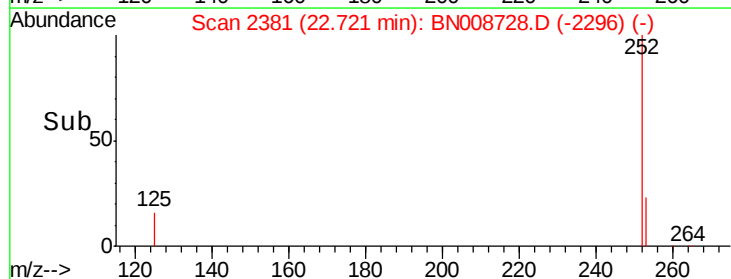
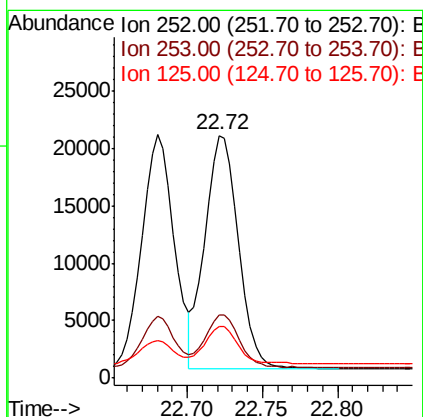
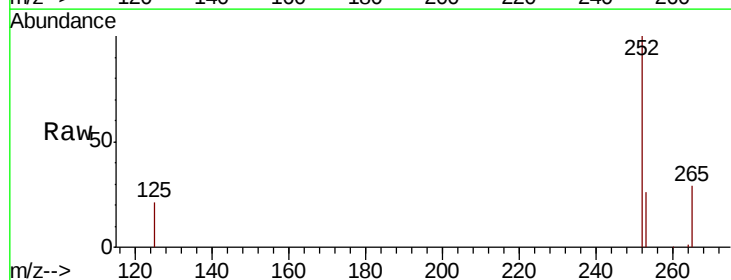
Instrument :
BNA_N
ClientSampleId :

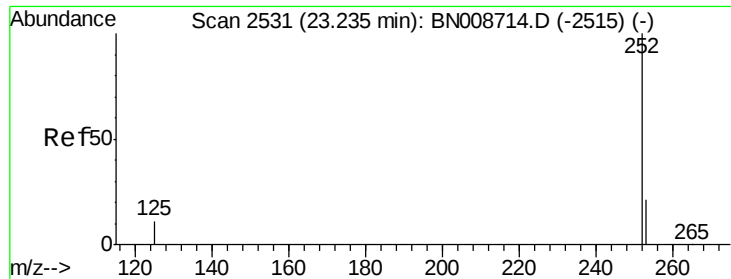
Tot Ion:252 Resp: 30909
Ion Ratio Lower Upper
252 100
253 25.2 20.8 31.2
125 15.5 13.5 20.3



#36
Benzo(k)fluoranthene
Concen: 0.392 ng
RT: 22.72 min Scan# 2381
Delta R.T. -0.01 min
Lab File: BN008728.D
Acq: 23 Nov 2019 14:38

Tgt Ion:252 Resp: 31576
Ion Ratio Lower Upper
252 100
253 26.2 21.8 32.6
125 21.2 18.2 27.4





#37

Benzo(a)pyrene

Concen: 0.377 ng

RT: 23.22 min Scan# 2528

Delta R.T. -0.01 min

Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

Instrument :

BNA_N

ClientSampleId :

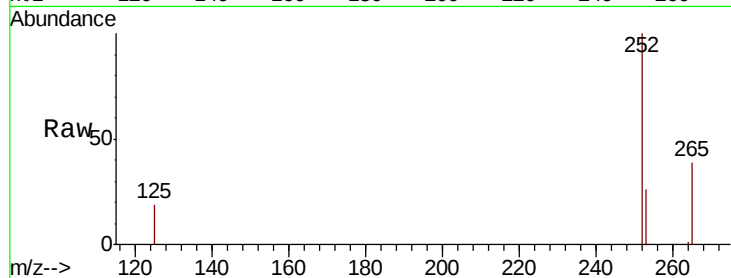
Tot Ion:252 Resp: 27700

Ion Ratio Lower Upper

252 100

253 26.4 21.9 32.9

125 19.0 16.3 24.5

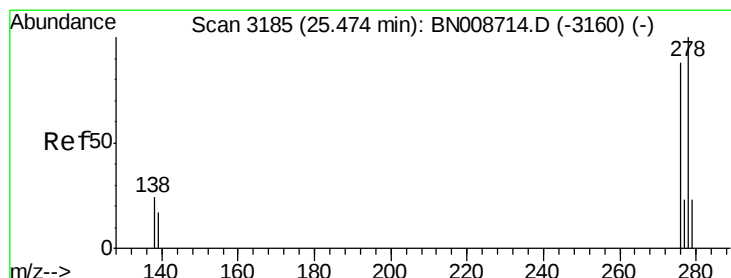
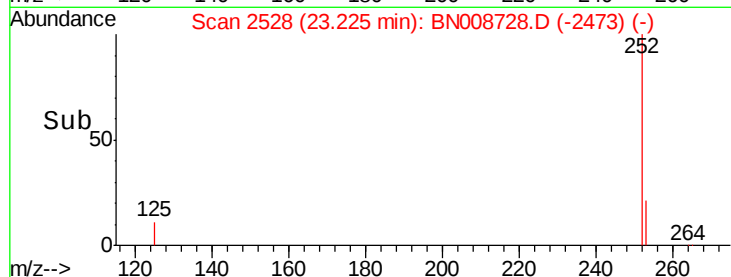
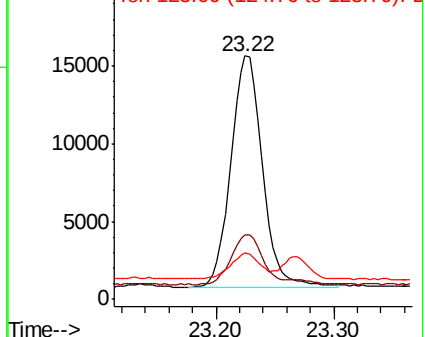


Abundance

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: 0.416 ng

RT: 25.46 min Scan# 3182

Delta R.T. -0.01 min

Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

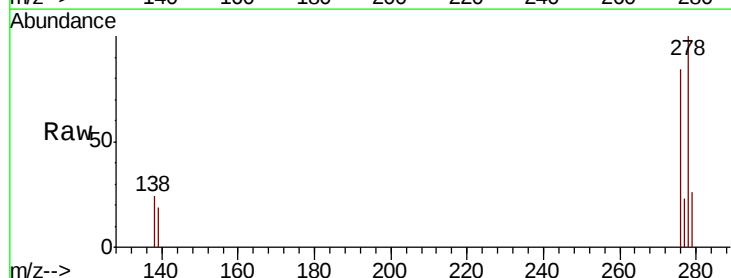
Tgt Ion:278 Resp: 30160

Ion Ratio Lower Upper

278 100

139 18.6 15.4 23.2

279 26.1 21.3 31.9

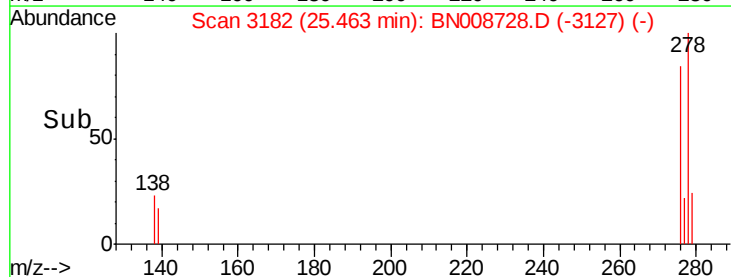
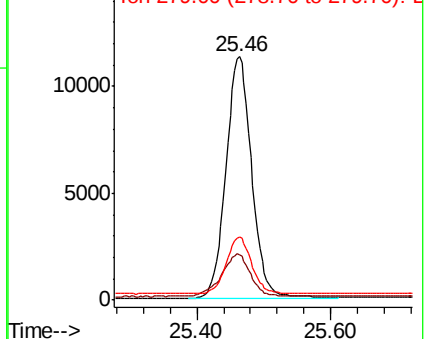


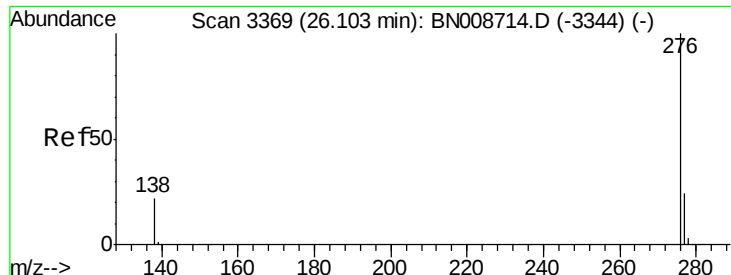
Abundance

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: 0.428 ng

RT: 26.09 min Scan# 3366

Delta R.T. -0.01 min

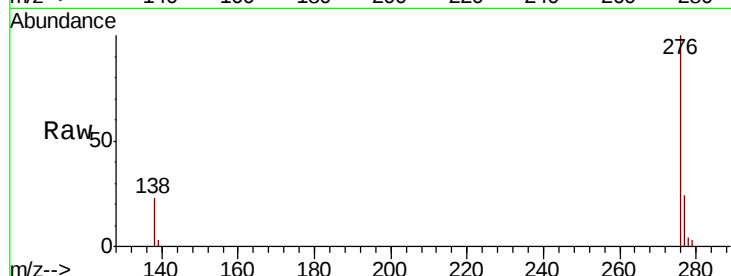
Lab File: BN008728.D

Acq: 23 Nov 2019 14:38

Instrument :

BNA_N

ClientSampleId :



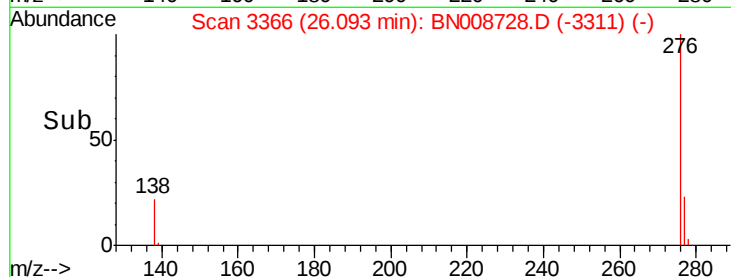
Tot Ion: 276 Resp: 30965

Ion Ratio Lower Upper

276 100

277 24.3 20.4 30.6

138 23.0 19.2 28.8



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

