

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032519\
 Data File : BN004966.D
 Acq On : 25 Mar 2019 18:18
 Operator : JU/SJ
 Sample : K2015-13MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-025-B028-031919MS

Quant Time: Mar 26 01:19:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 20 16:06:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	4211	0.40	ng	-0.02
7) Naphthalene-d8	10.47	136	16993	0.40	ng	-0.03
13) Acenaphthene-d10	14.32	164	8384	0.40	ng	-0.02
19) Phenanthrene-d10	17.08	188	16863	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	18724	0.40	ng	-0.01
34) Perylene-d12	23.54	264	20602	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.28	112	3512	0.31	ng	0.00
5) Phenol-d6	6.86	99	4373	0.31	ng	-0.02
8) Nitrobenzene-d5	8.84	82	3541	0.32	ng	-0.03
11) 2-Methylnaphthalene-d10	12.06	152	7670	0.26	ng	-0.02
14) 2,4,6-Tribromophenol	15.84	330	1481	0.26	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	9623	0.28	ng	-0.02
25) Fluoranthene-d10	19.12	212	12504	0.22	ng	-0.01
29) Terphenyl-d14	19.72	244	9545	0.25	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.22	88	1016	0.212	ng	# 47
3) n-Nitrosodimethylamine	3.55	42	832	0.294	ng	# 76
6) bis(2-Chloroethyl)ether	7.12	93	3822	0.297	ng	99
9) Naphthalene	10.52	128	13905	0.292	ng	99
10) Hexachlorobutadiene	10.78	225	2211	0.243	ng	# 98
12) 2-Methylnaphthalene	12.14	142	9430	0.266	ng	100
16) Acenaphthylene	14.04	152	13567	0.314	ng	100
17) Acenaphthene	14.39	154	7905	0.280	ng	99
18) Fluorene	15.38	166	10013	0.254	ng	99
20) 4-Bromophenyl-phenylether	16.27	248	3021	0.274	ng	92
21) Hexachlorobenzene	16.38	284	3015	0.239	ng	94
22) Pentachlorophenol	16.74	266	1998	0.810	ng	96
23) Phenanthrene	17.12	178	27622	0.507	ng	99
24) Anthracene	17.22	178	15606	0.321	ng	99
26) Fluoranthene	19.15	202	68916	0.985	ng	# 96
28) Pyrene	19.51	202	74638	1.307	ng	97
30) Benzo(a)anthracene	21.27	228	36047	0.587	ng	# 91
31) Chrysene	21.32	228	42433	0.656	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.18	149	13482	0.550	ng	# 98
33) Indeno(1,2,3-cd)pyrene	25.81	276	40207	0.430	ng	98
35) Benzo(b)fluoranthene	22.86	252	55912	0.750	ng	# 86
36) Benzo(k)fluoranthene	22.90	252	30389	0.414	ng	# 78
37) Benzo(a)pyrene	23.44	252	38201	0.559	ng	# 79
38) Dibenzo(a,h)anthracene	25.81	278	21791	0.275	ng	# 65
39) Benzo(g,h,i)perylene	26.50	276	41478	0.514	ng	# 86

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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.68 min Scan# 578

Delta R.T. -0.02 min

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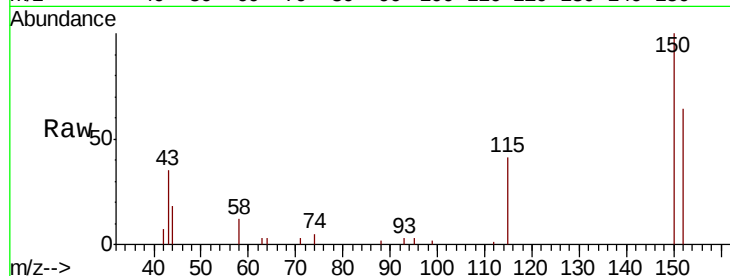
Tgt Ion: 152 Resp: 4211

Ion Ratio Lower Upper

152 100

150 156.1 126.2 189.4

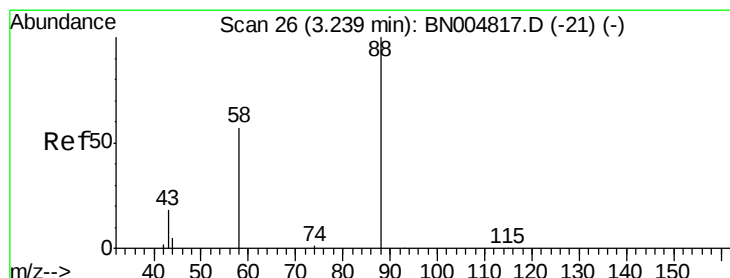
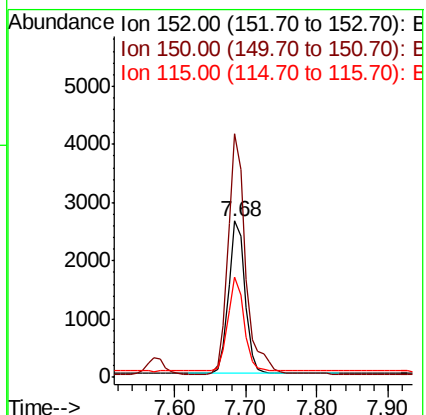
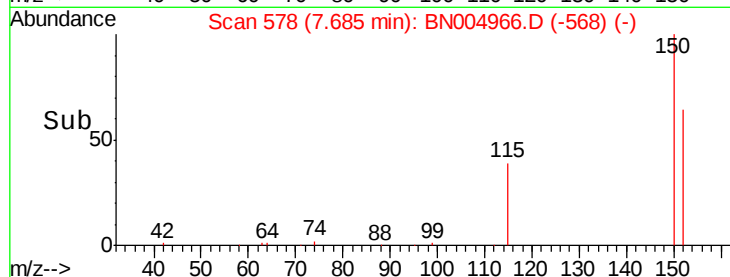
115 64.0 52.6 79.0



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: 0.212 ng

RT: 3.22 min Scan# 24

Delta R.T. -0.02 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

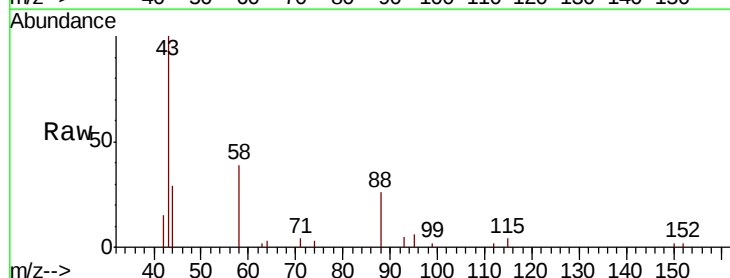
Tgt Ion: 88 Resp: 1016

Ion Ratio Lower Upper

88 100

58 82.8 51.4 77.2#

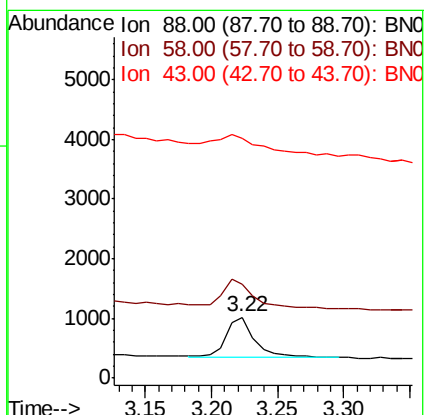
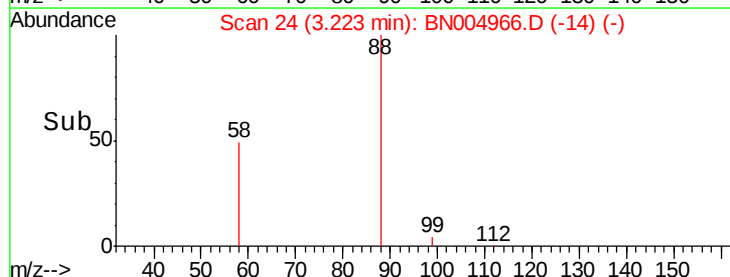
43 90.1 20.0 30.0#

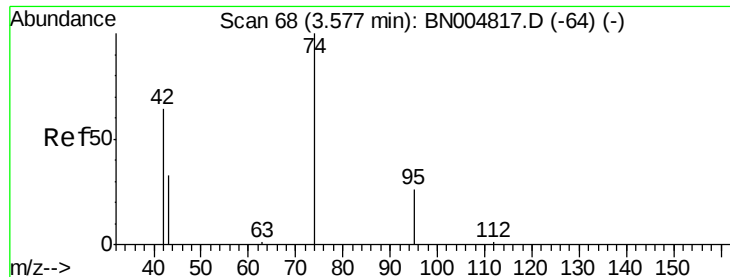


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.294 ng

RT: 3.55 min Scan# 64

Delta R.T. -0.03 min

Lab File: BN004966.D

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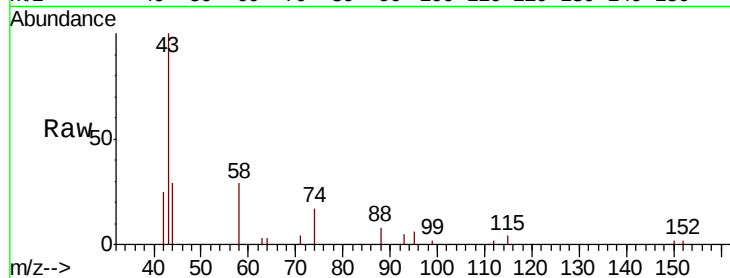
Tgt Ion: 42 Resp: 832

Ion Ratio Lower Upper

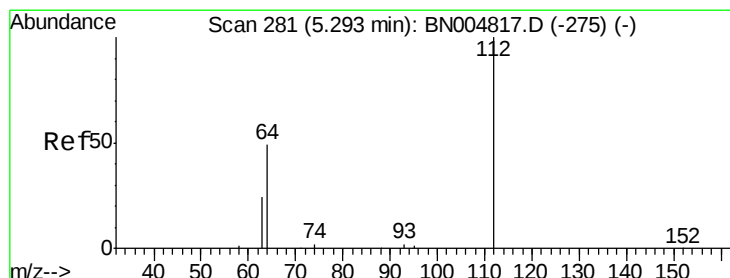
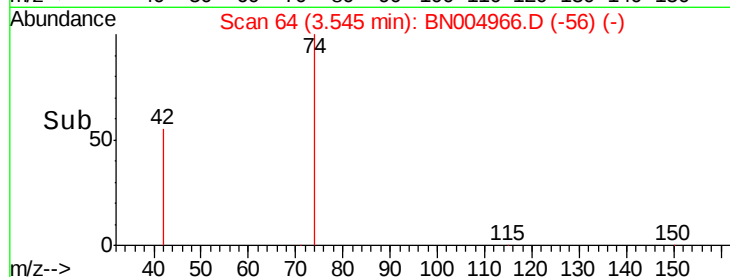
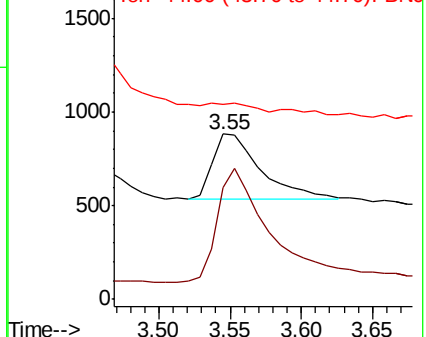
42 100

74 192.2 128.4 192.6

44 0.0 6.1 9.1#



Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.307 ng

RT: 5.28 min Scan# 280

Delta R.T. -0.01 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

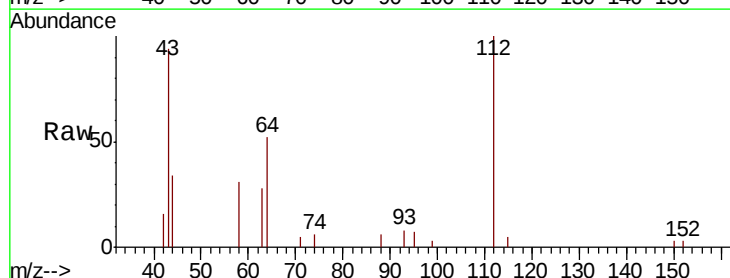
Tgt Ion: 112 Resp: 3512

Ion Ratio Lower Upper

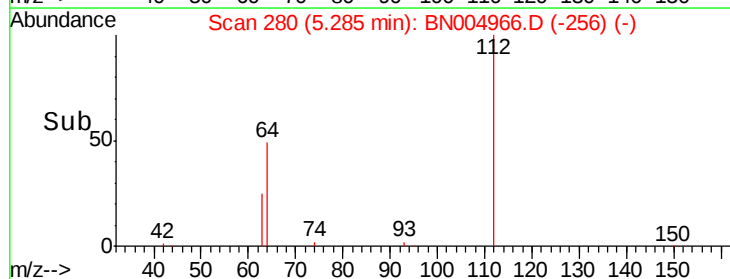
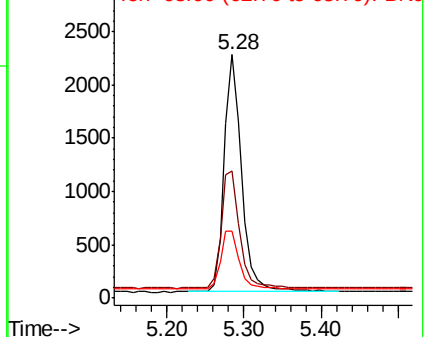
112 100

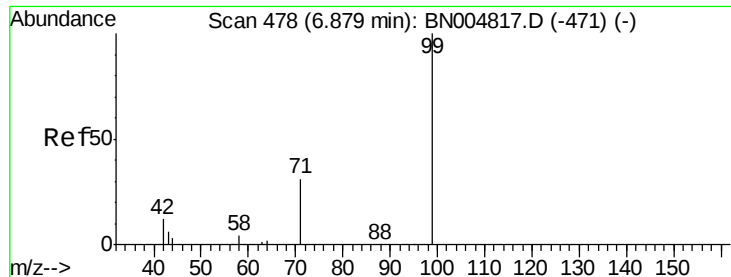
64 52.8 40.0 60.0

63 27.2 20.2 30.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BN0
Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.307 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

Instrument :

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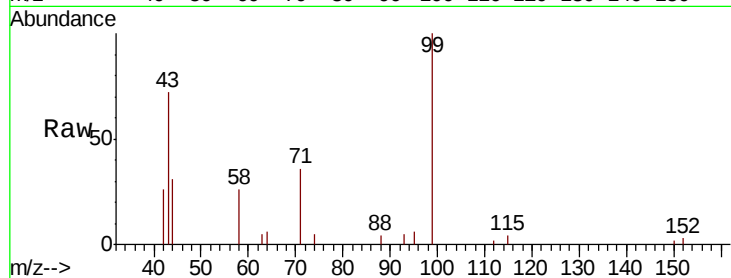
Tgt Ion: 99 Resp: 4373

Ion Ratio Lower Upper

99 100

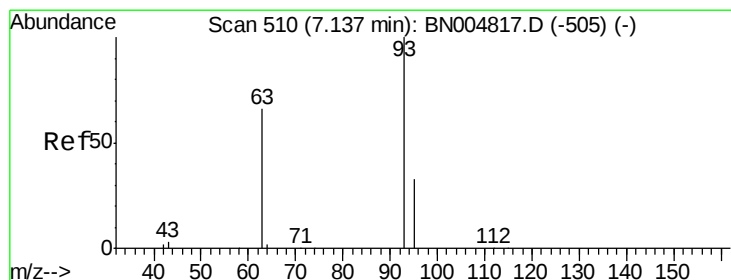
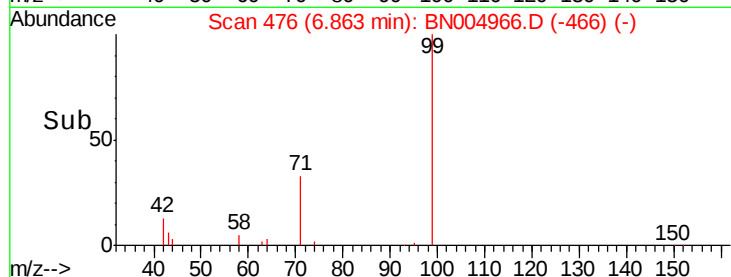
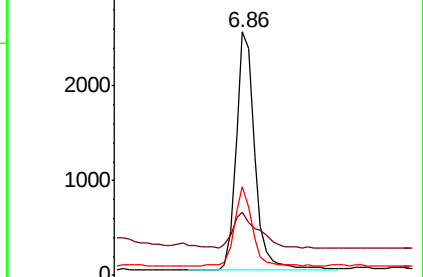
42 19.9 12.7 19.1#

71 31.6 26.6 40.0



Abundance Ion 99.00 (98.70 to 99.70): BN004817.D (-471) (-)

6.86



#6

bis(2-Chloroethyl)ether

Concen: 0.297 ng

RT: 7.12 min Scan# 508

Delta R.T. -0.02 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

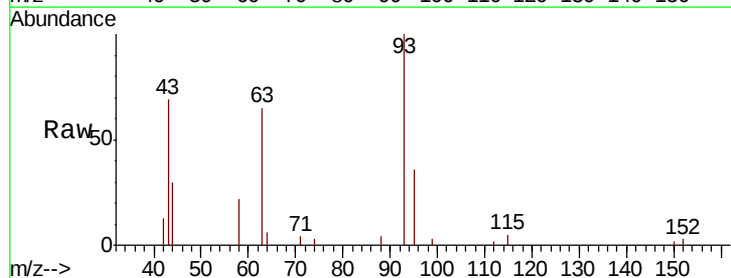
Tgt Ion: 93 Resp: 3822

Ion Ratio Lower Upper

93 100

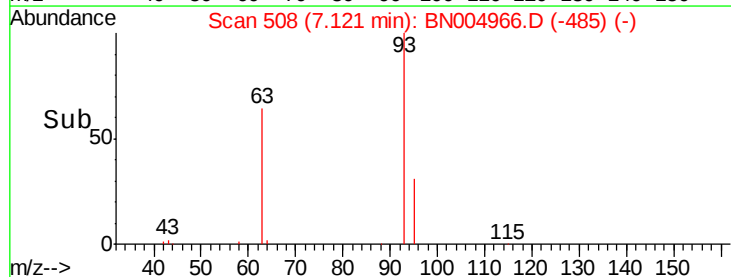
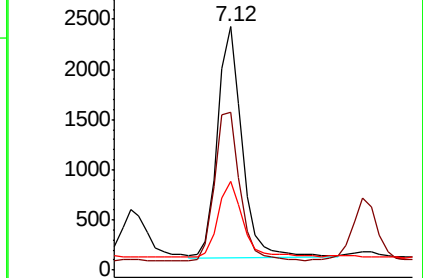
63 66.8 52.6 78.8

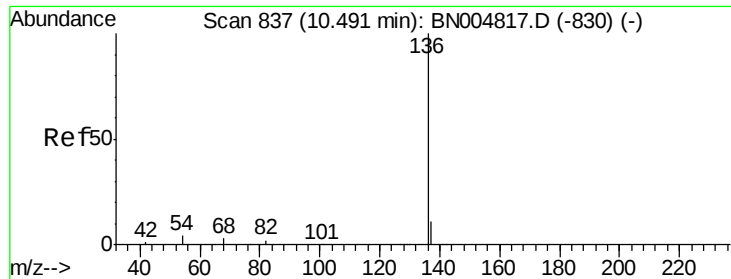
95 33.3 25.9 38.9



Abundance Ion 93.00 (92.70 to 93.70): BN004817.D (-505) (-)

7.12





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 835

Delta R.T. -0.03 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

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Tgt Ion:136 Resp: 16993

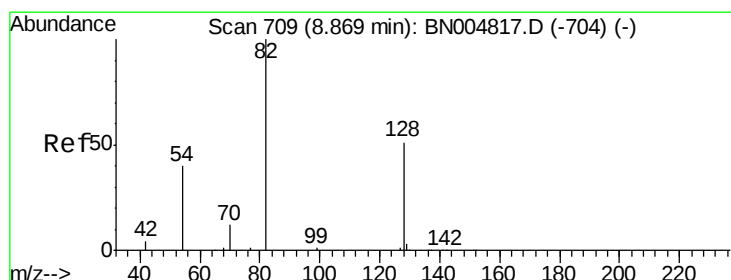
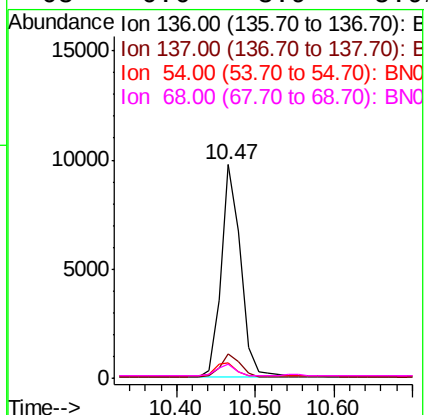
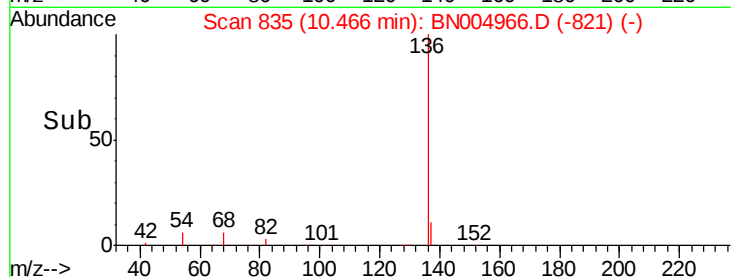
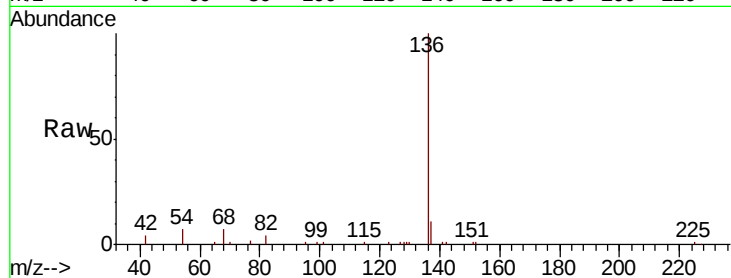
Ion Ratio Lower Upper

136 100

137 11.4 9.6 14.4

54 7.4 4.2 6.2#

68 6.6 3.9 5.9#



#8

Nitrobenzene-d5

Concen: 0.315 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

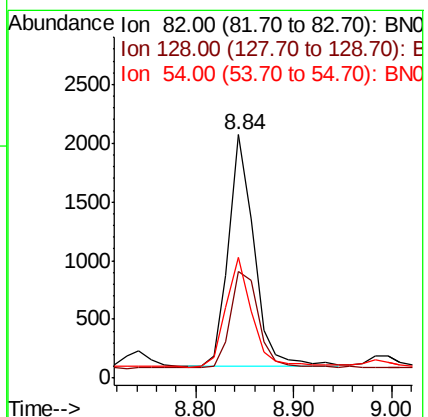
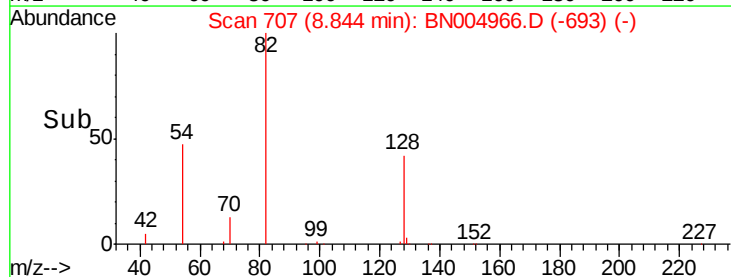
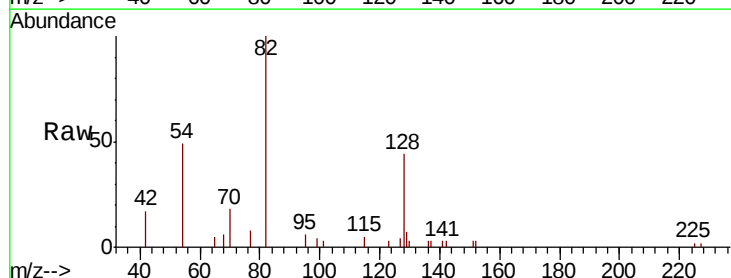
Tgt Ion: 82 Resp: 3541

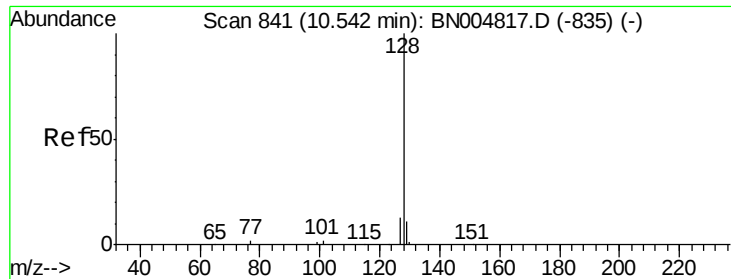
Ion Ratio Lower Upper

82 100

128 43.8 43.0 64.6

54 49.5 35.3 52.9

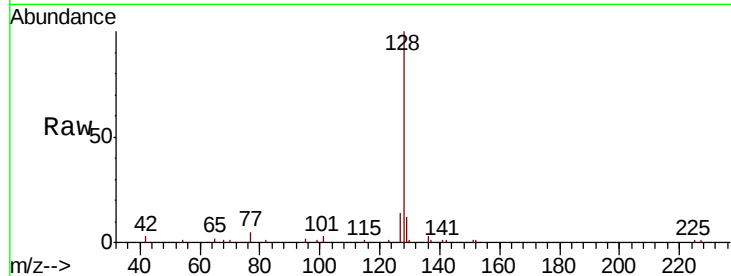




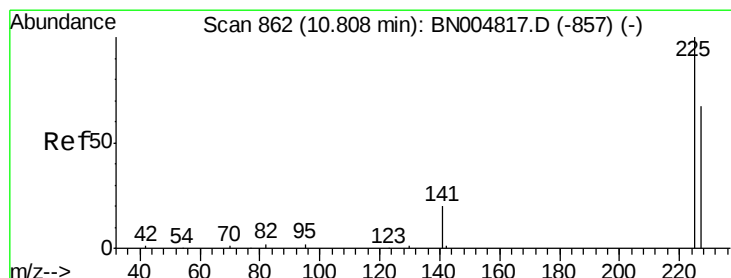
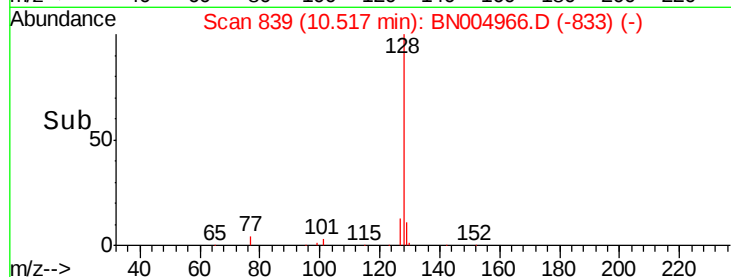
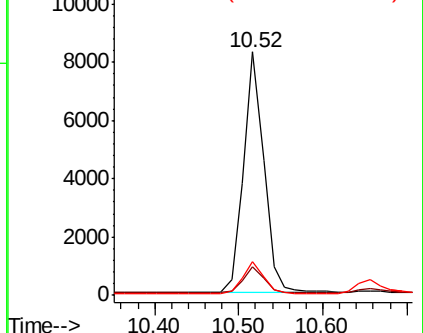
#9
Naphthalene
Concen: 0.292 ng
RT: 10.52 min Scan# 839
Delta R.T. -0.03 min
Lab File: BN004966.D
Acq: 25 Mar 2019 18:18

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BNA_N
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Tgt Ion:128 Resp: 13905
Ion Ratio Lower Upper
128 100
129 11.8 9.9 14.9
127 13.9 11.3 16.9

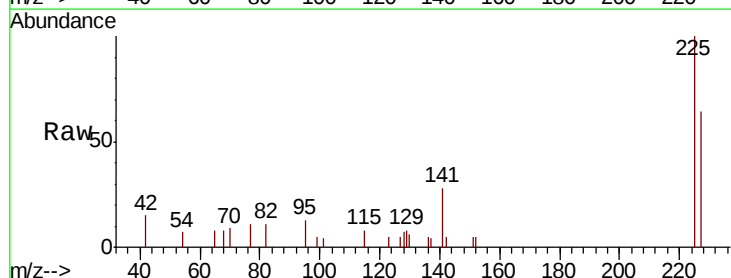


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

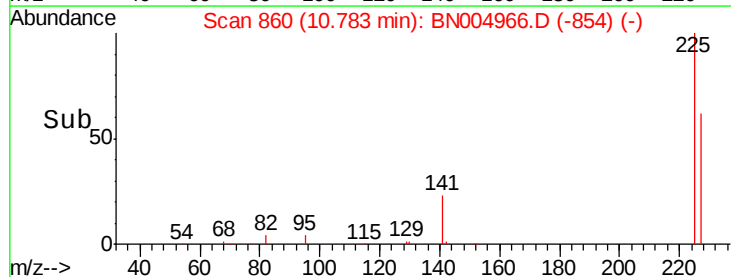
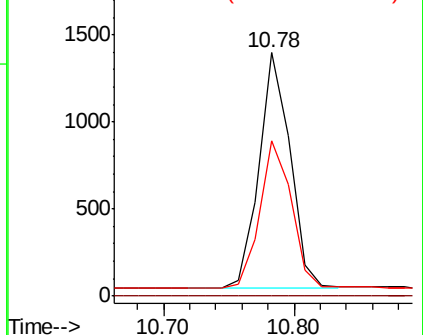


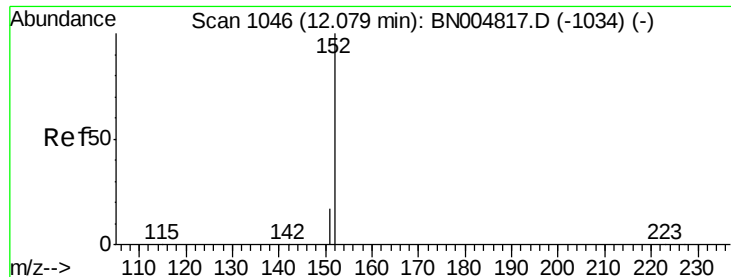
#10
Hexachlorobutadiene
Concen: 0.243 ng
RT: 10.78 min Scan# 860
Delta R.T. -0.03 min
Lab File: BN004966.D
Acq: 25 Mar 2019 18:18

Tgt Ion:225 Resp: 2211
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.0 52.2 78.4



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

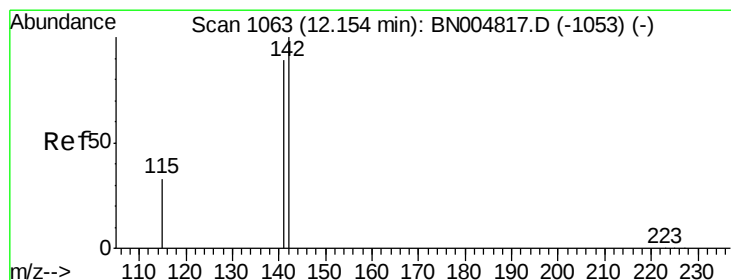
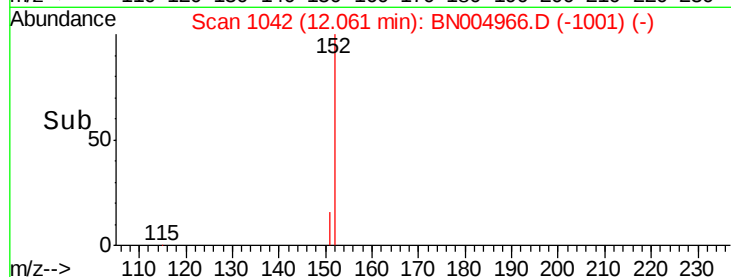
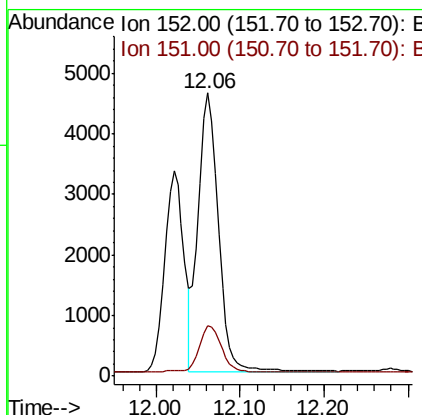
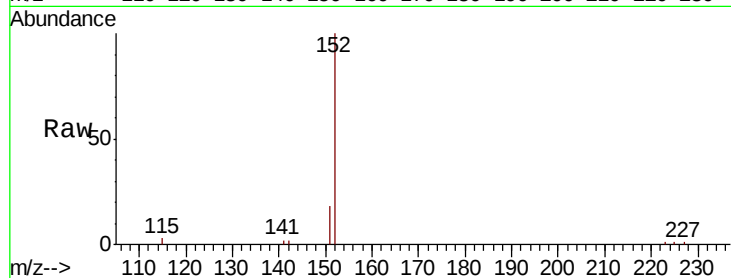




#11
 2-Methylnaphthalene-d10
 Concen: 0.259 ng
 RT: 12.06 min Scan# 1042
 Delta R.T. -0.02 min
 Lab File: BN004966.D
 Acq: 25 Mar 2019 18:18

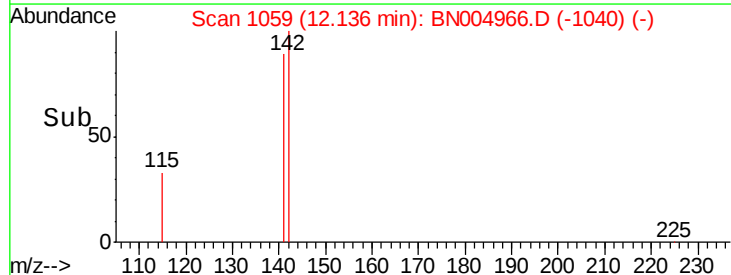
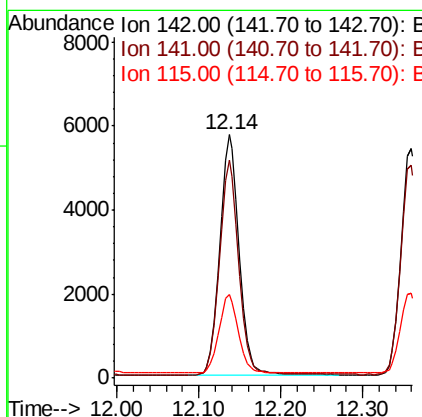
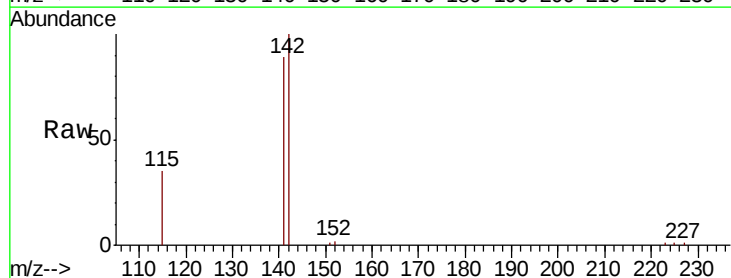
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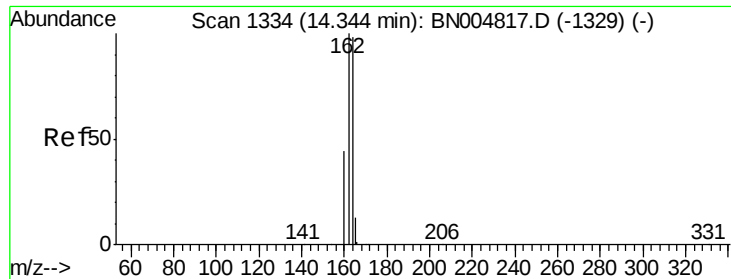
Tgt Ion:152 Resp: 7670
 Ion Ratio Lower Upper
 152 100
 151 19.0 15.5 23.3



#12
 2-Methylnaphthalene
 Concen: 0.266 ng
 RT: 12.14 min Scan# 1059
 Delta R.T. -0.02 min
 Lab File: BN004966.D
 Acq: 25 Mar 2019 18:18

Tgt Ion:142 Resp: 9430
 Ion Ratio Lower Upper
 142 100
 141 89.4 71.4 107.2
 115 34.6 27.5 41.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.32 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MS

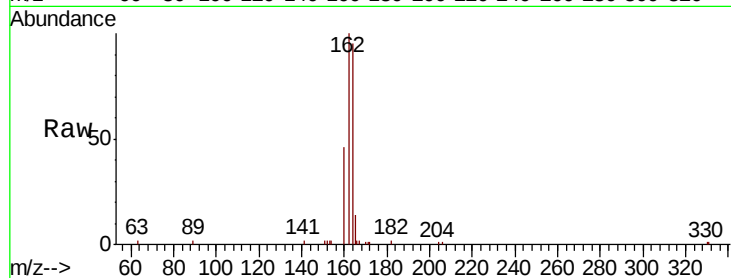
Tgt Ion:164 Resp: 8384

Ion Ratio Lower Upper

164 100

162 105.7 81.9 122.9

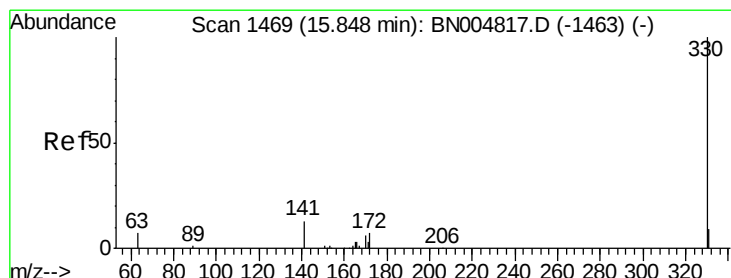
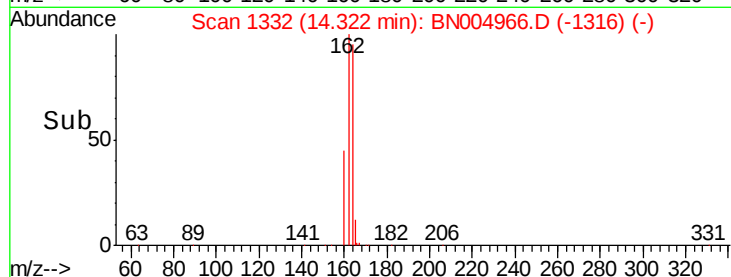
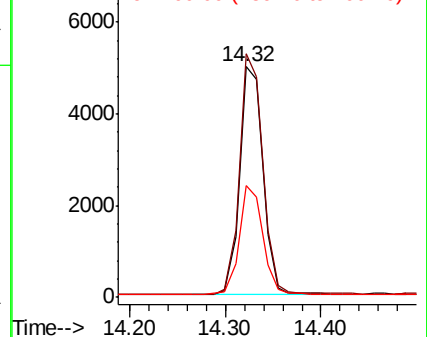
160 48.5 36.6 54.8



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: 0.256 ng

RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

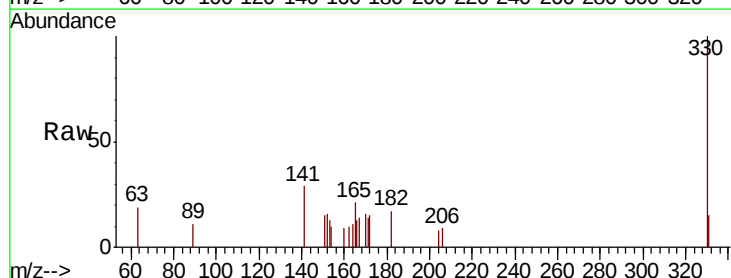
Tgt Ion:330 Resp: 1481

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

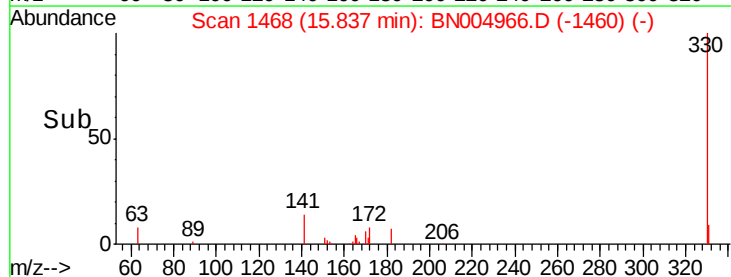
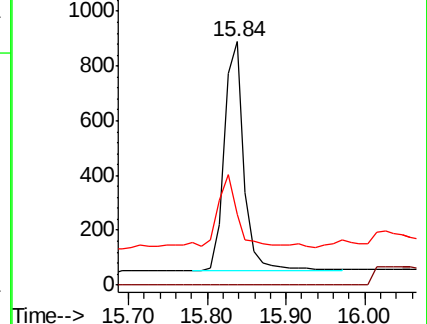
141 27.8 20.9 31.3

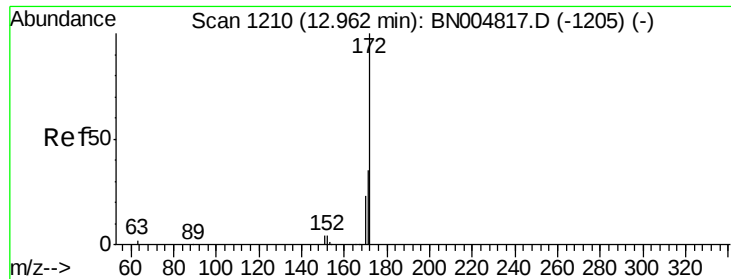


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

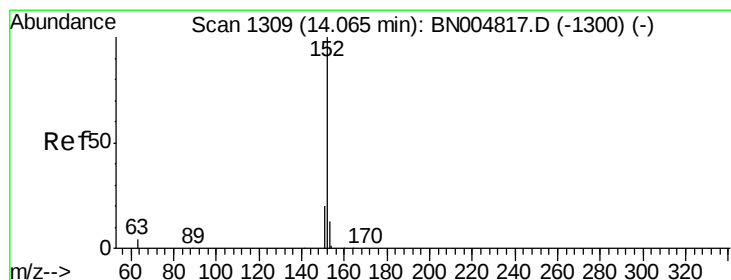
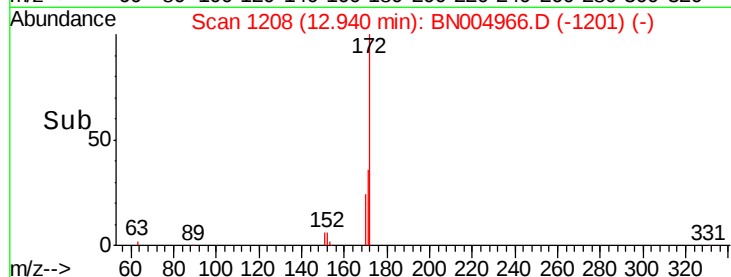
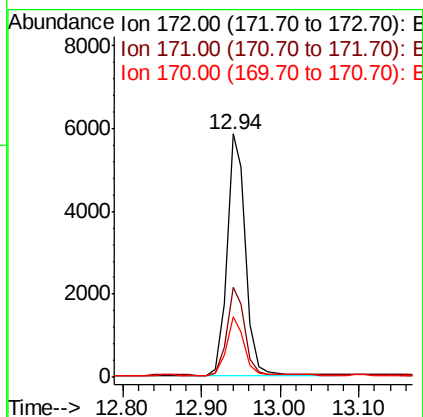
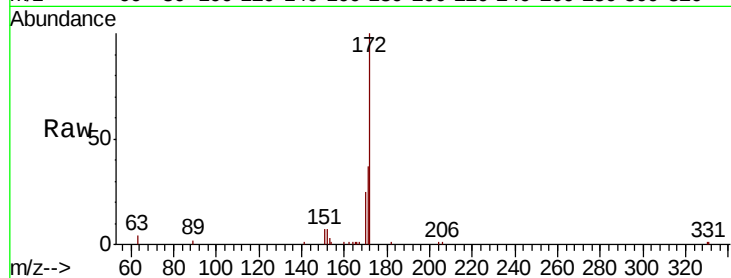




#15
2-Fluorobiphenyl
Concen: 0.278 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004966.D
Acq: 25 Mar 2019 18:18

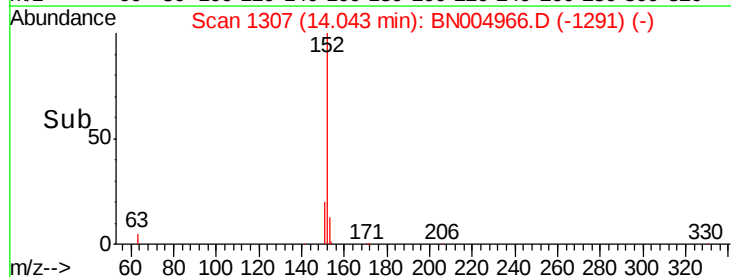
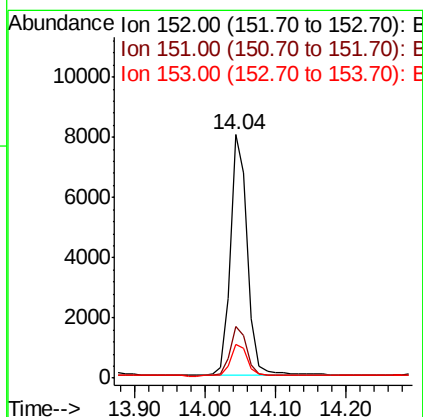
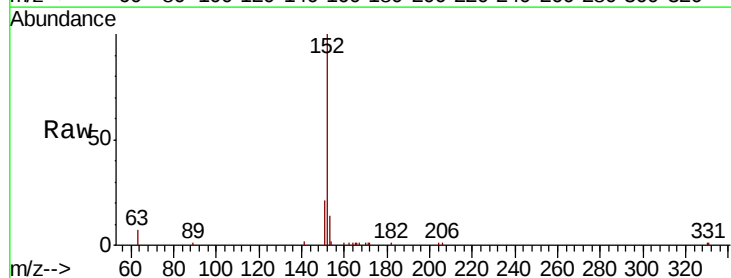
Instrument :
BNA_N
ClientSampleId :
PST-025-B028-031919MS

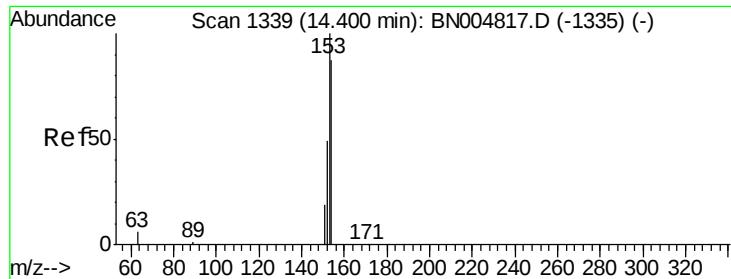
Tgt Ion:172 Resp: 9623
Ion Ratio Lower Upper
172 100
171 36.8 28.7 43.1
170 24.9 18.7 28.1



#16
Acenaphthylene
Concen: 0.314 ng
RT: 14.04 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BN004966.D
Acq: 25 Mar 2019 18:18

Tgt Ion:152 Resp: 13567
Ion Ratio Lower Upper
152 100
151 20.3 16.1 24.1
153 13.1 10.5 15.7





#17

Acenaphthene

Concen: 0.280 ng

RT: 14.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MS

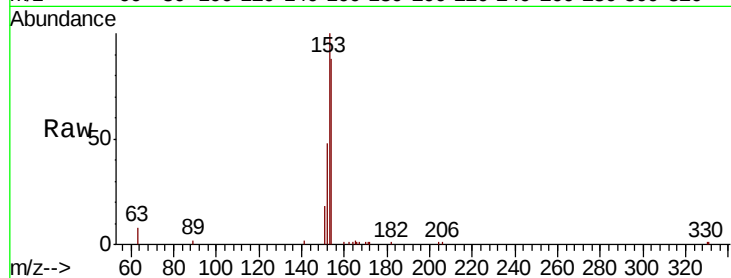
Tgt Ion:154 Resp: 7905

Ion Ratio Lower Upper

154 100

153 113.3 91.4 137.2

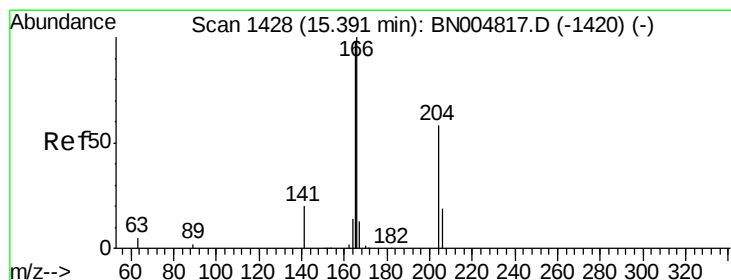
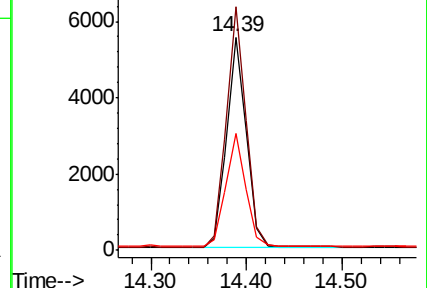
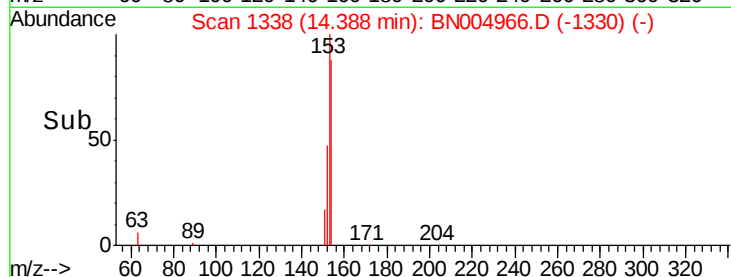
152 54.2 44.2 66.2



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: 0.254 ng

RT: 15.38 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

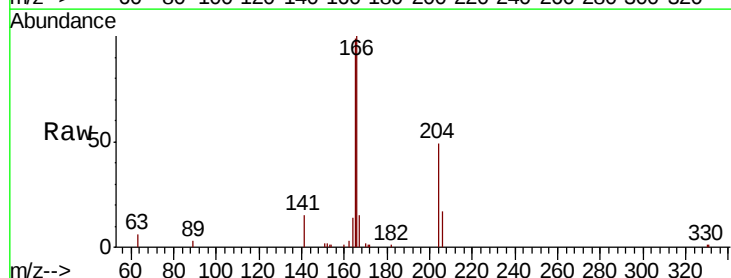
Tgt Ion:166 Resp: 10013

Ion Ratio Lower Upper

166 100

165 98.6 78.2 117.4

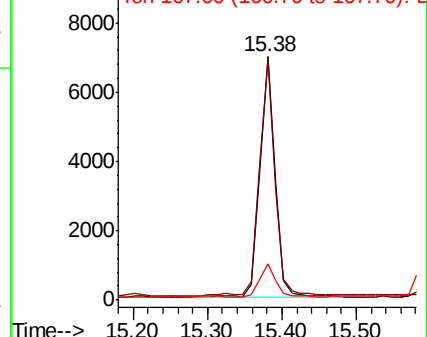
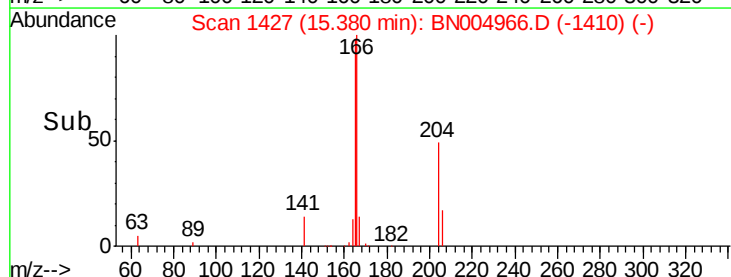
167 13.8 11.0 16.4

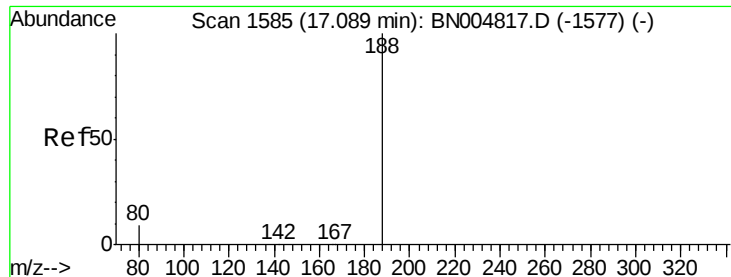


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MS

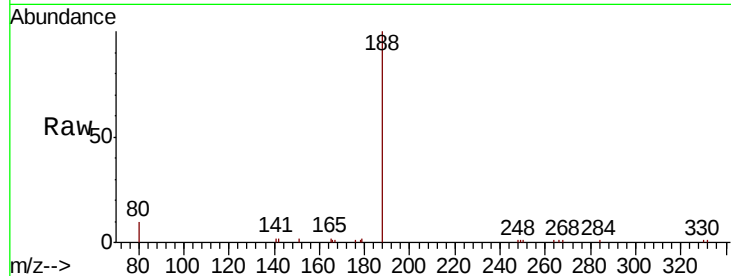
Tgt Ion:188 Resp: 16863

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

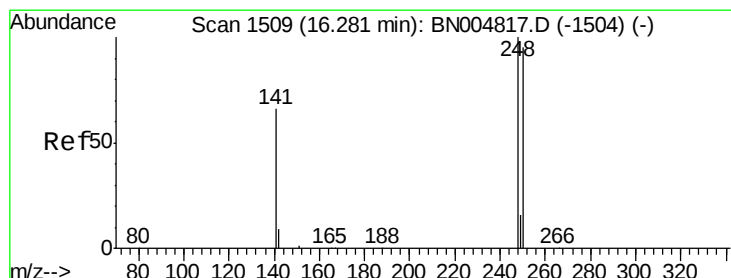
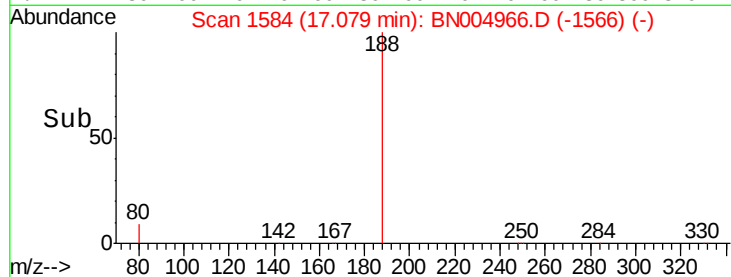
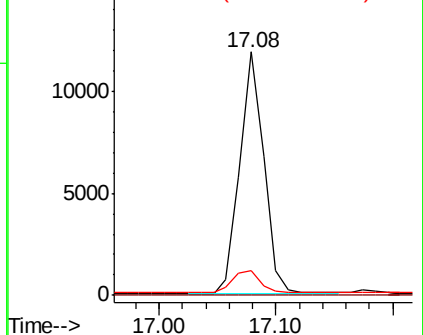
80 10.0 7.4 11.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.274 ng

RT: 16.27 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

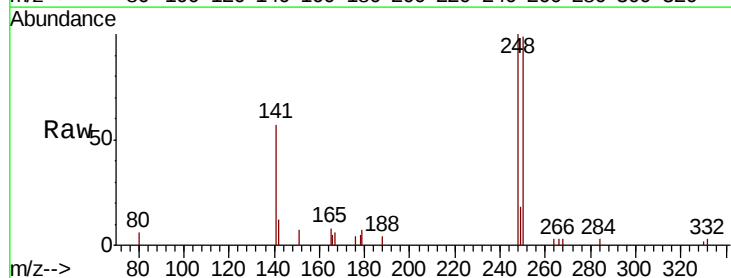
Tgt Ion:248 Resp: 3021

Ion Ratio Lower Upper

248 100

250 99.4 76.2 114.4

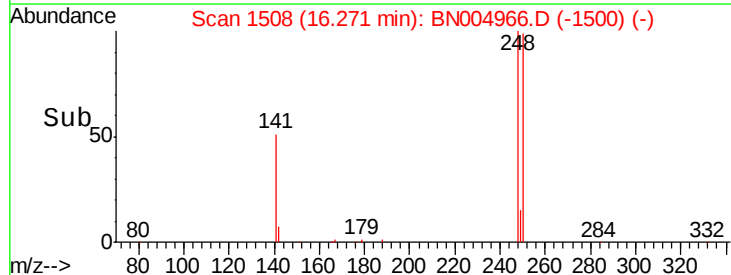
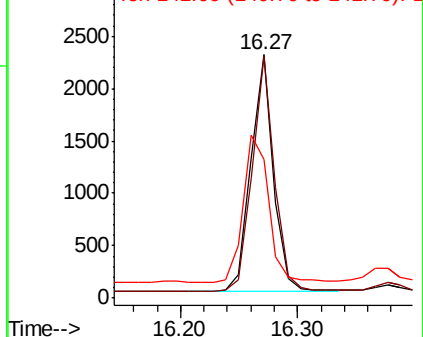
141 57.1 53.9 80.9

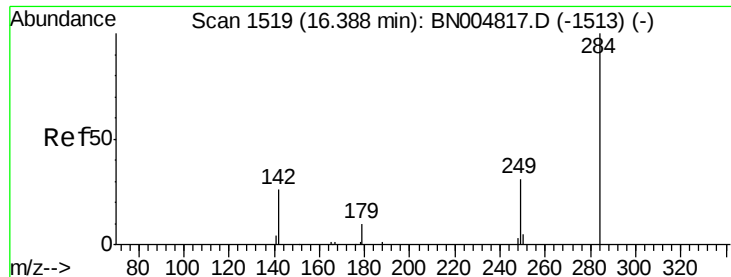


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.239 ng

RT: 16.38 min Scan# 1518

Delta R.T. -0.01 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MS

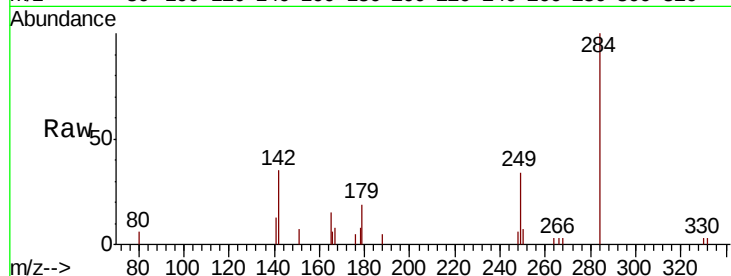
Tgt Ion:284 Resp: 3015

Ion Ratio Lower Upper

284 100

142 33.0 22.6 34.0

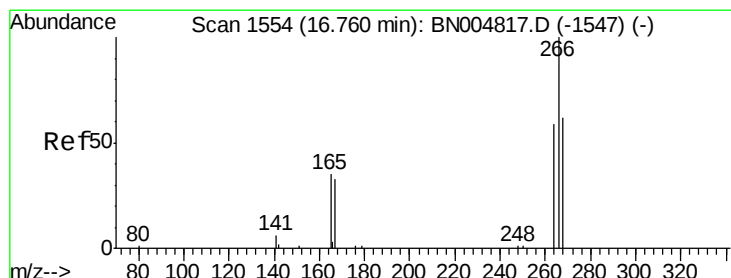
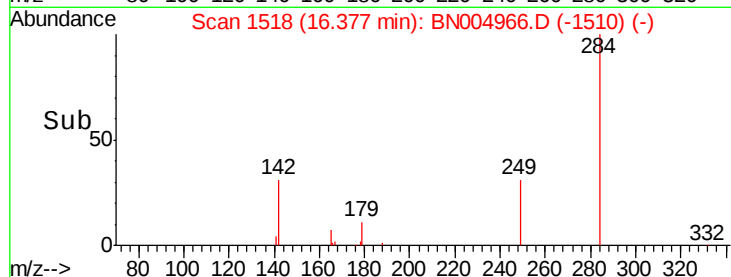
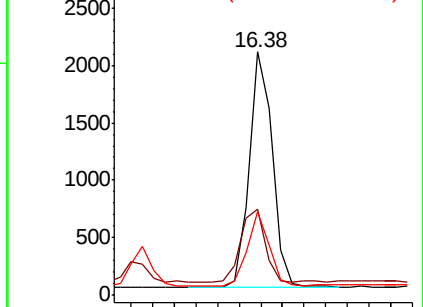
249 29.4 22.5 33.7



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: 0.810 ng

RT: 16.74 min Scan# 1552

Delta R.T. -0.02 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

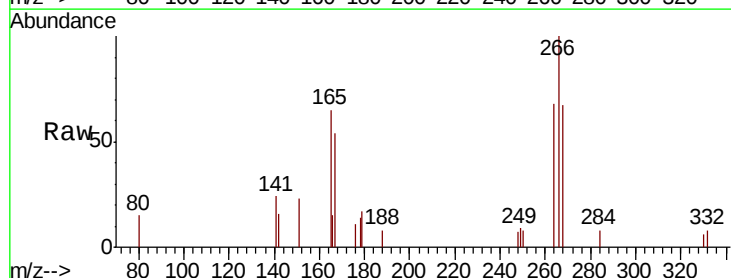
Tgt Ion:266 Resp: 1998

Ion Ratio Lower Upper

266 100

264 68.5 53.1 79.7

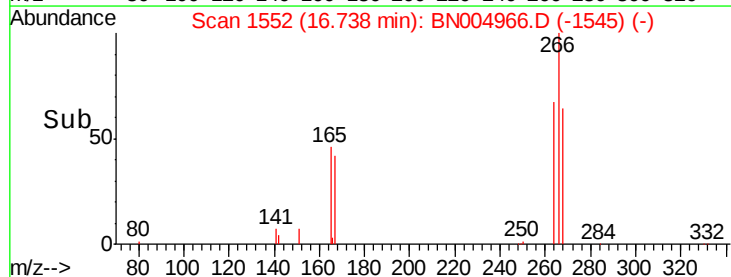
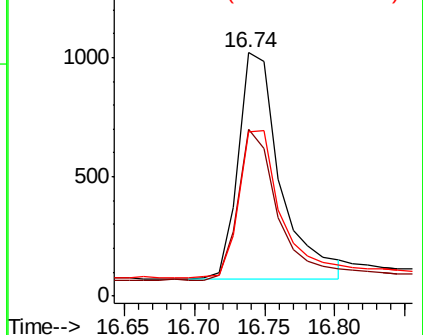
268 67.4 57.7 86.5

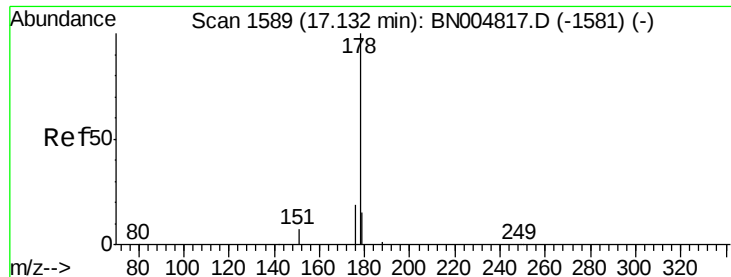


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.507 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MS

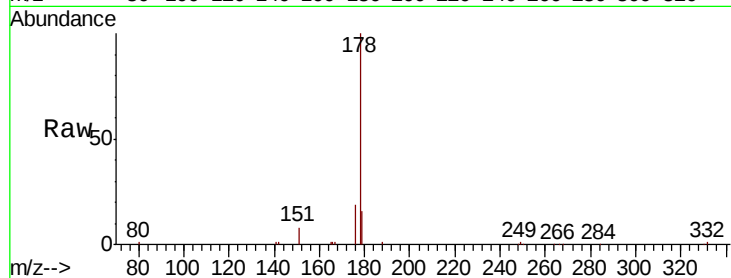
Tgt Ion:178 Resp: 27622

Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

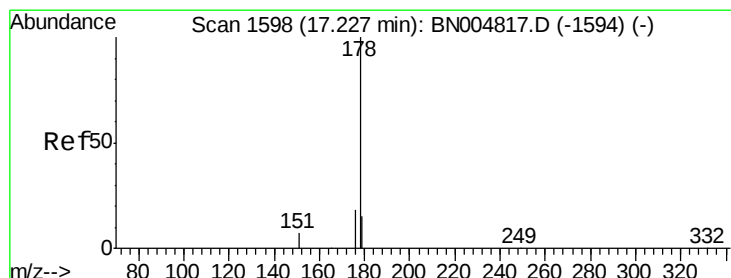
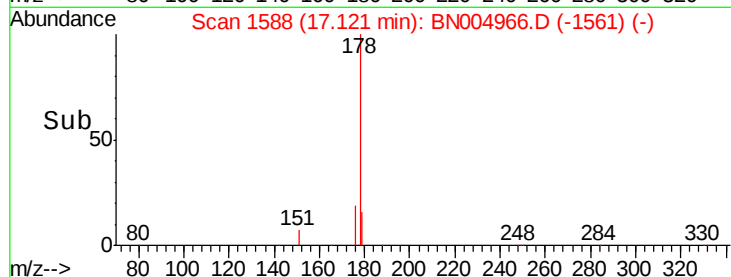
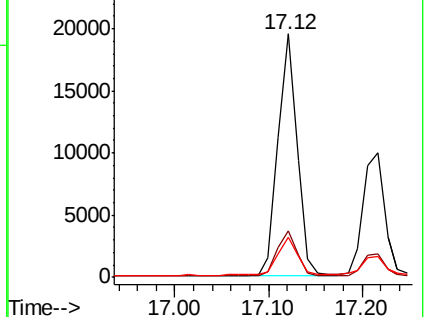
179 15.6 12.1 18.1



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: 0.321 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

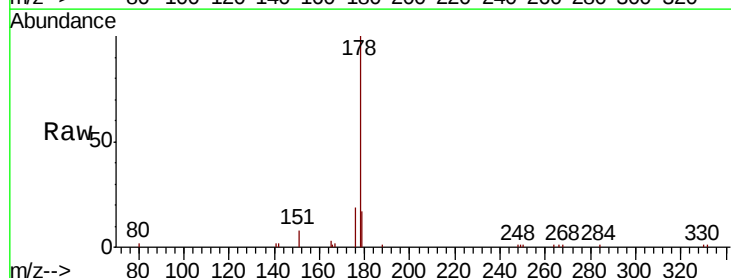
Tgt Ion:178 Resp: 15606

Ion Ratio Lower Upper

178 100

176 18.5 14.5 21.7

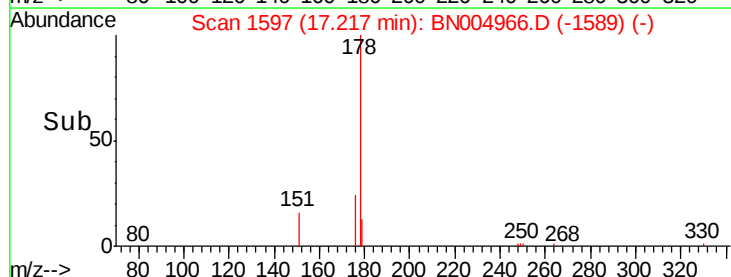
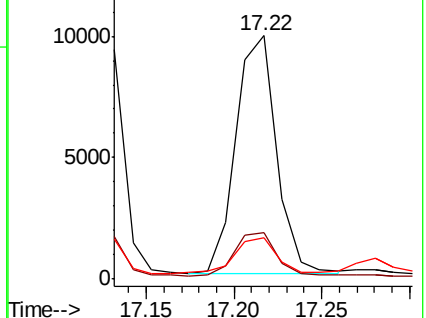
179 15.4 12.2 18.4

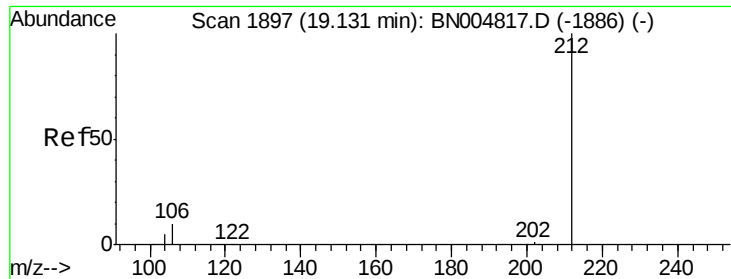


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.221 ng

RT: 19.12 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MS

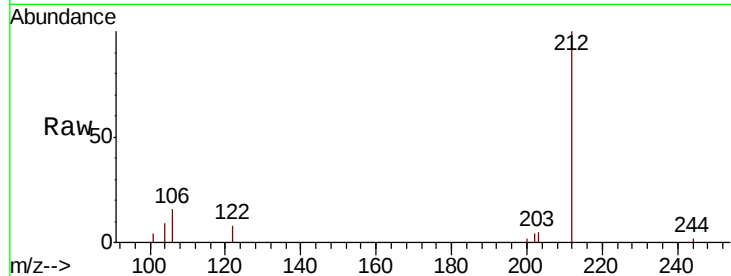
Tgt Ion:212 Resp: 12504

Ion Ratio Lower Upper

212 100

106 14.7 8.6 13.0#

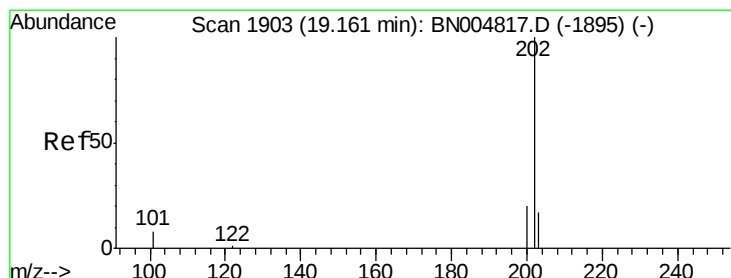
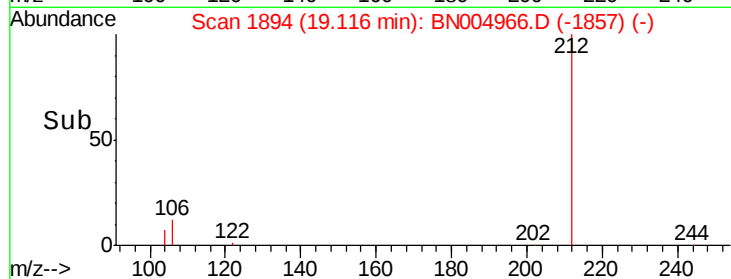
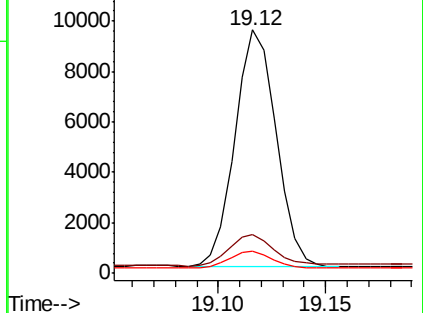
104 7.6 4.7 7.1#



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: 0.985 ng

RT: 19.15 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

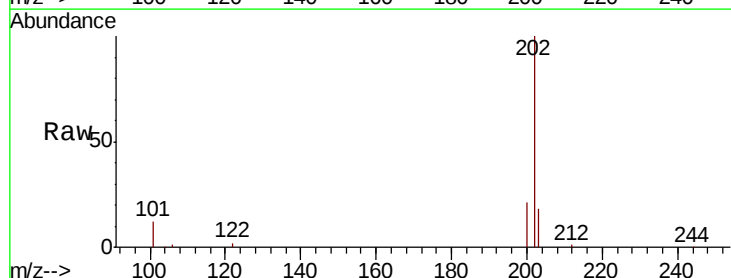
Tgt Ion:202 Resp: 68916

Ion Ratio Lower Upper

202 100

101 12.9 7.5 11.3#

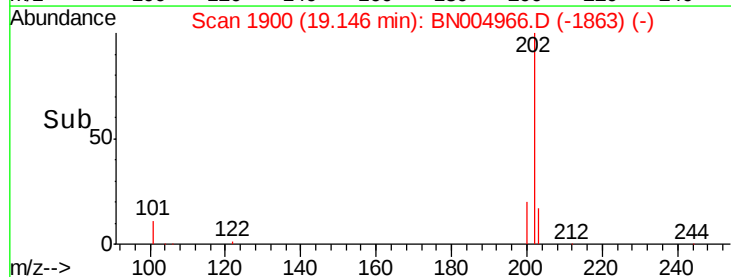
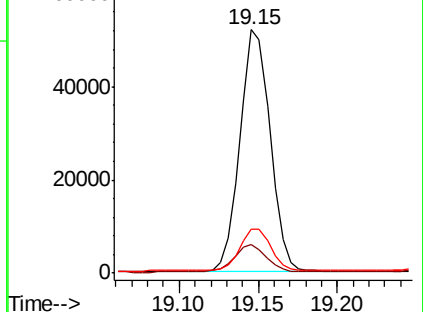
203 17.5 13.8 20.6

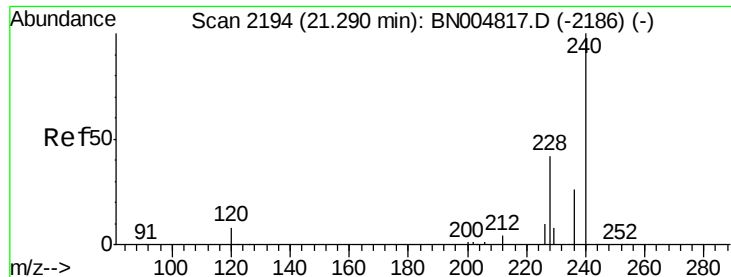


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.28 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MS

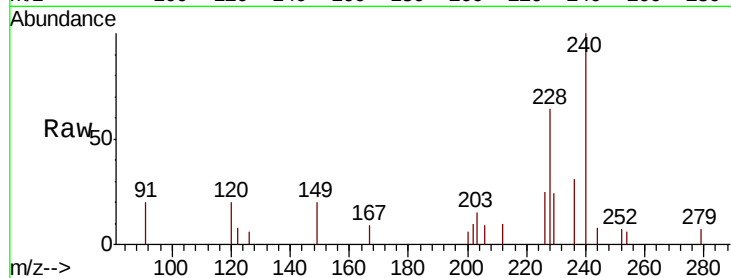
Tgt Ion:240 Resp: 18724

Ion Ratio Lower Upper

240 100

120 20.1 7.2 10.8#

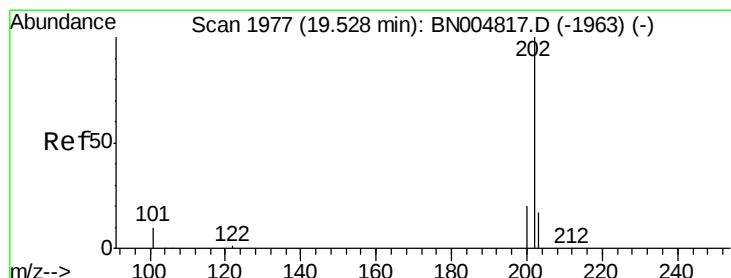
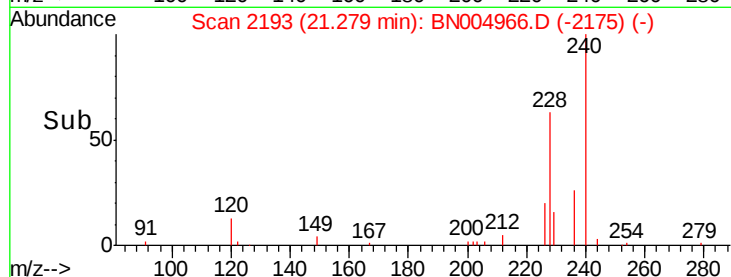
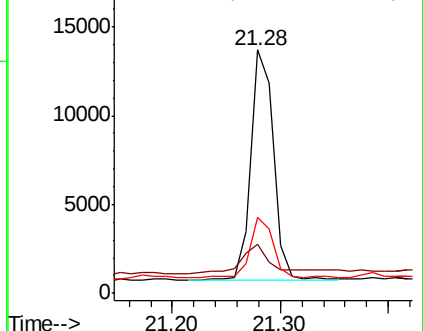
236 31.4 20.9 31.3#



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: 1.307 ng

RT: 19.51 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

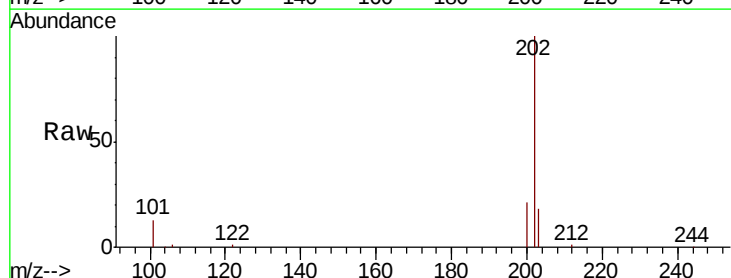
Tgt Ion:202 Resp: 74638

Ion Ratio Lower Upper

202 100

200 20.5 16.3 24.5

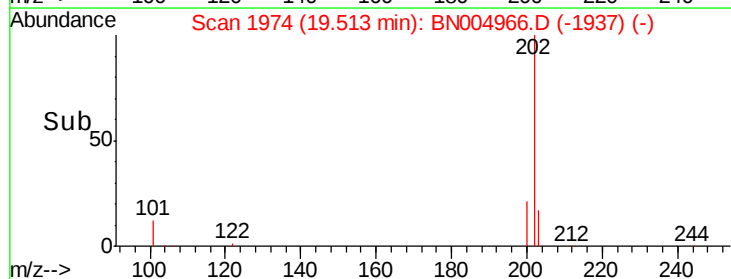
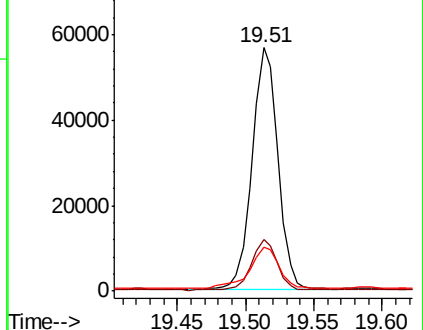
203 19.8 14.0 21.0

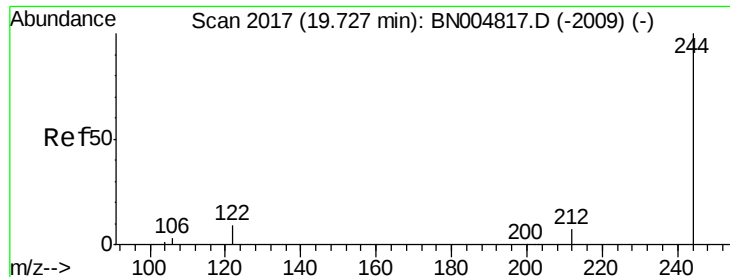


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.249 ng

RT: 19.72 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MS

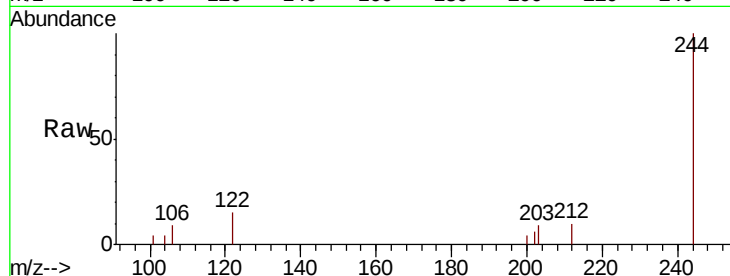
Tgt Ion:244 Resp: 9545

Ion Ratio Lower Upper

244 100

212 10.4 5.8 8.6#

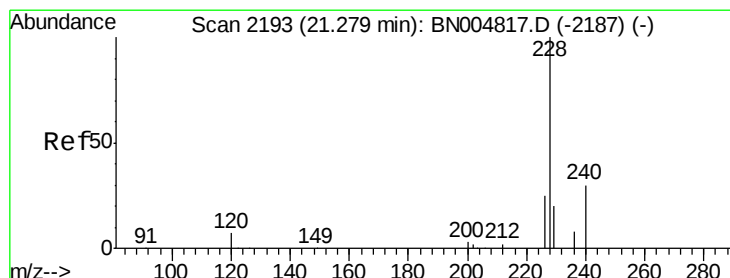
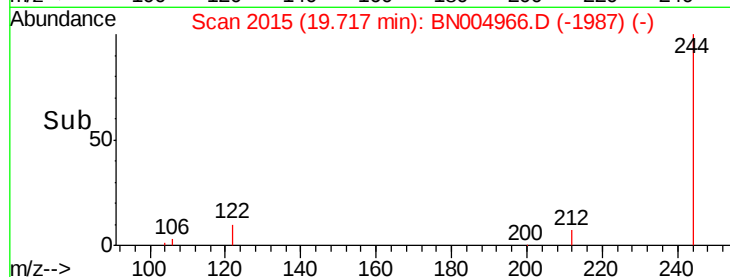
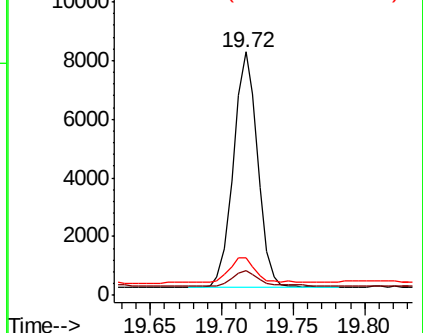
122 15.2 7.9 11.9#



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: 0.587 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

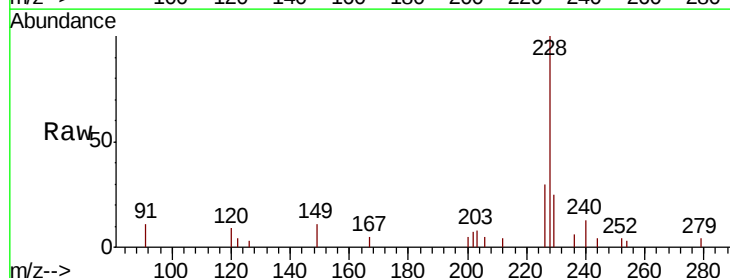
Tgt Ion:228 Resp: 36047

Ion Ratio Lower Upper

228 100

226 29.9 20.6 31.0

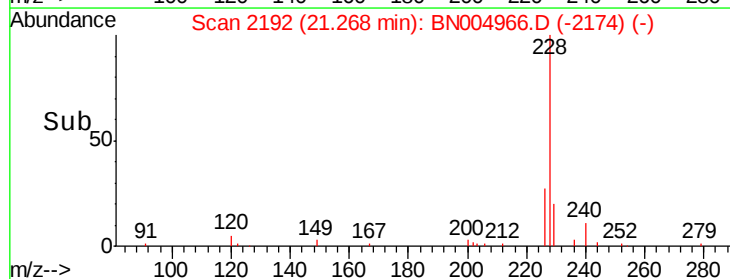
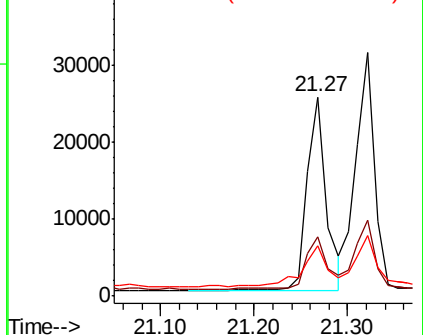
229 25.4 16.2 24.4#

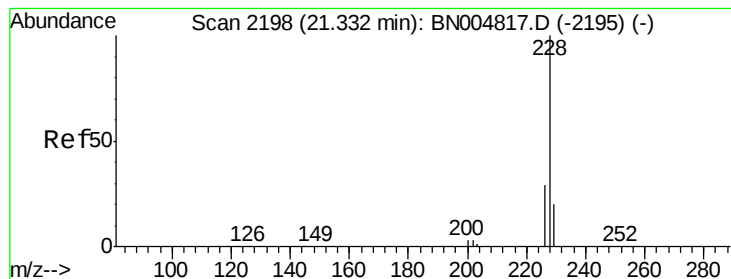


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.656 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

Instrument :

BNA_N

ClientSampleId :

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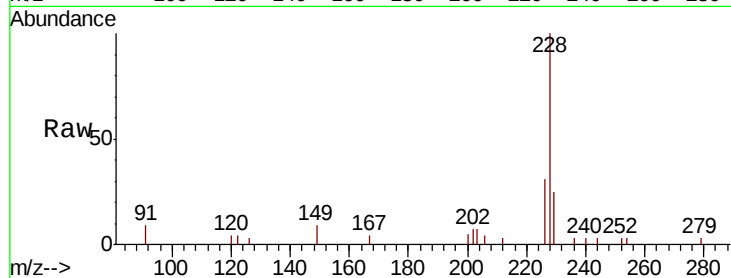
Tgt Ion: 228 Resp: 42433

Ion Ratio Lower Upper

228 100

226 31.1 23.0 34.6

229 25.0 16.2 24.2#

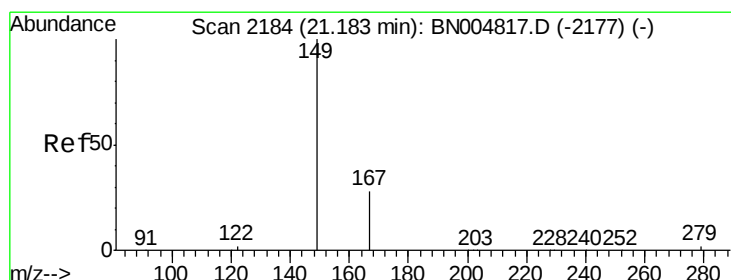
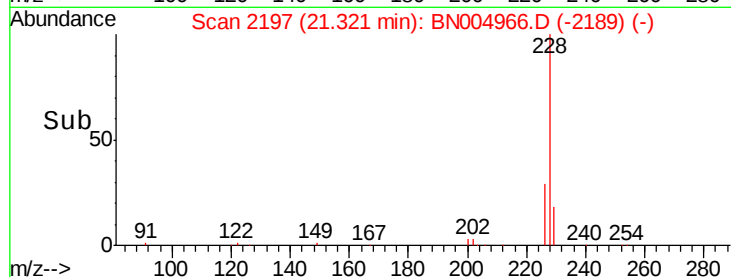
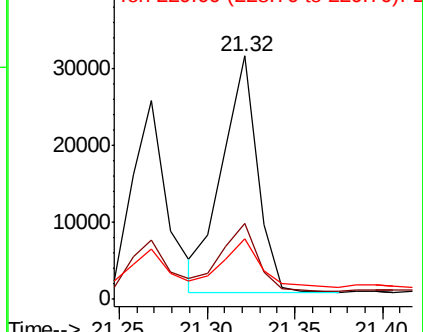


Abundance

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: 0.550 ng

RT: 21.18 min Scan# 2184

Delta R.T. 0.00 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

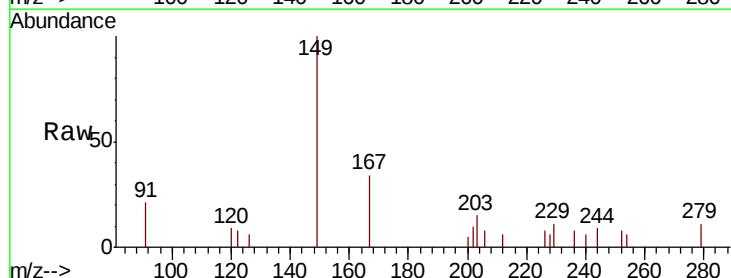
Tgt Ion: 149 Resp: 13482

Ion Ratio Lower Upper

149 100

167 29.5 23.0 34.4

279 8.0 4.6 6.8#

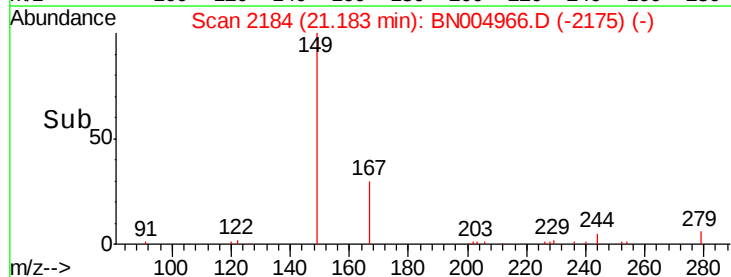
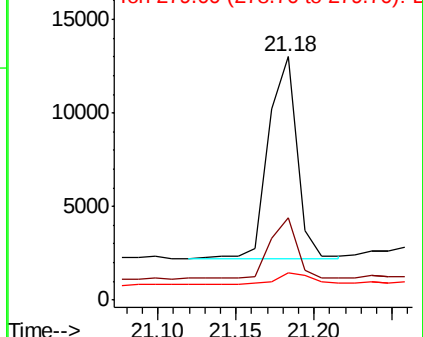


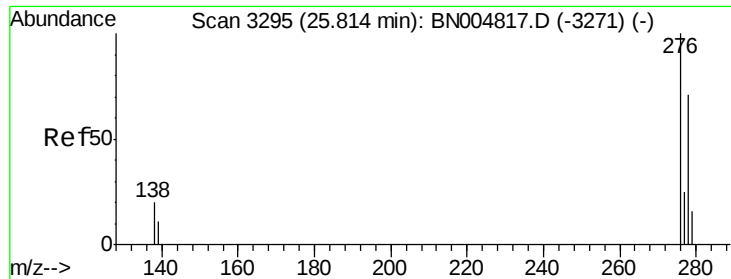
Abundance

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: 0.430 ng

RT: 25.81 min Scan# 3293

Delta R.T. -0.01 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MS

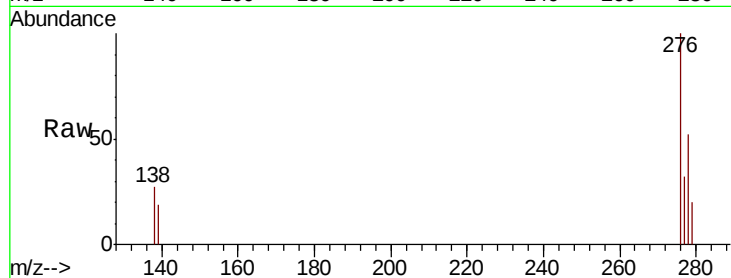
Tgt Ion:276 Resp: 40207

Ion Ratio Lower Upper

276 100

138 22.4 16.6 24.8

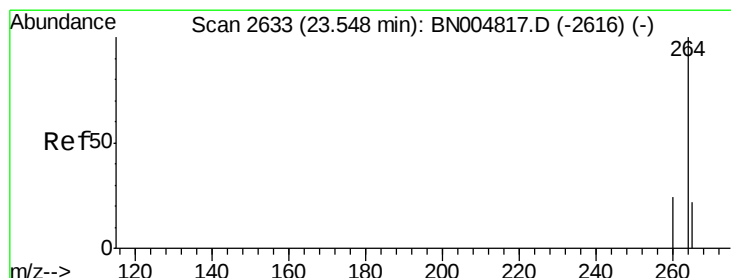
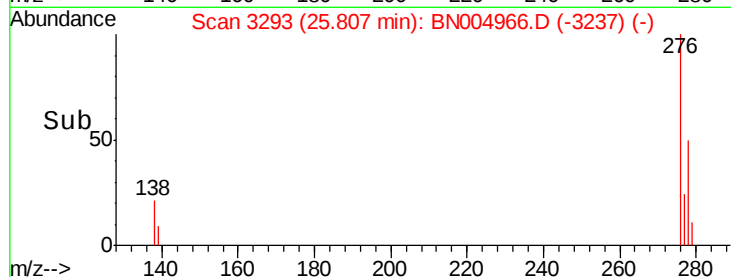
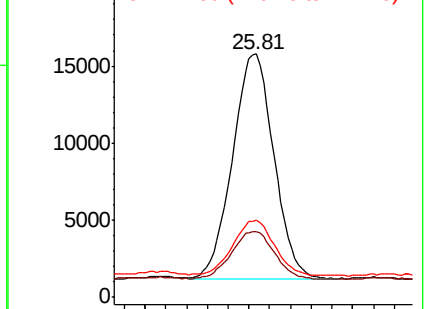
277 24.8 20.3 30.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.54 min Scan# 2630

Delta R.T. -0.01 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

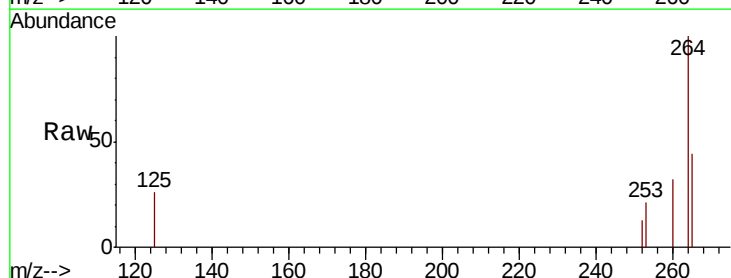
Tgt Ion:264 Resp: 20602

Ion Ratio Lower Upper

264 100

260 31.7 19.5 29.3#

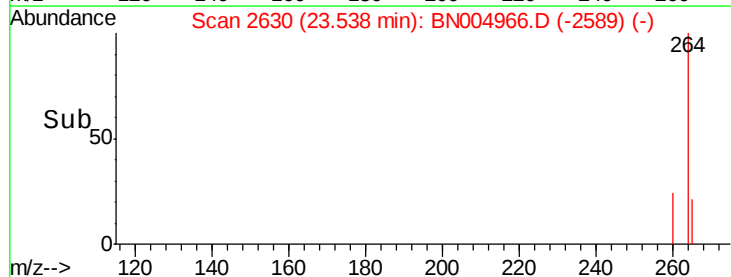
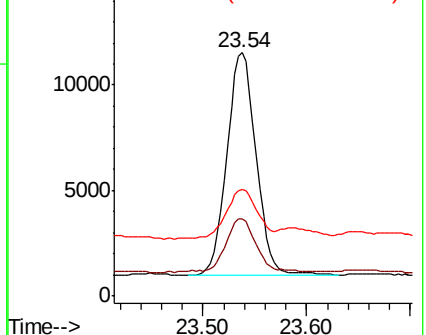
265 43.6 23.1 34.7#

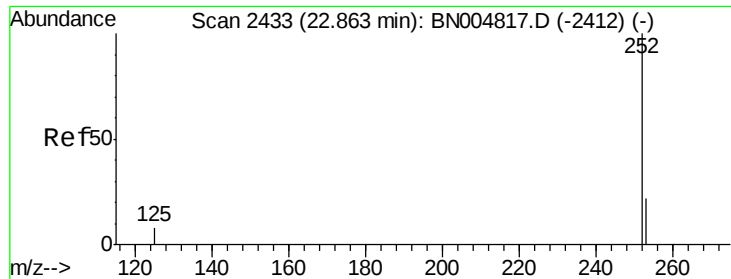


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.750 ng

RT: 22.86 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

Instrument :

BNA_N

ClientSampleId :

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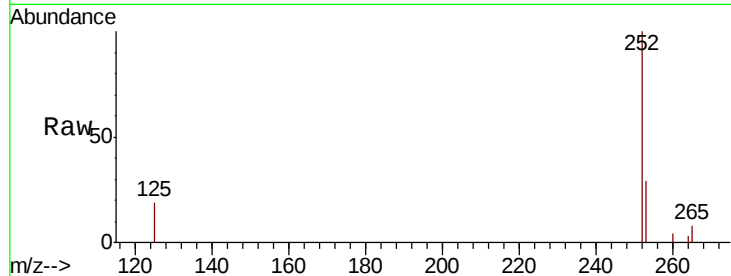
Tgt Ion:252 Resp: 55912

Ion Ratio Lower Upper

252 100

253 28.6 19.0 28.4#

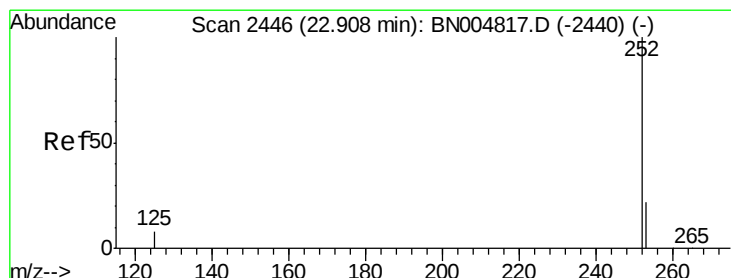
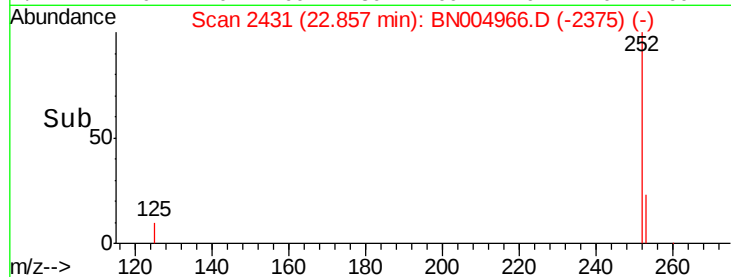
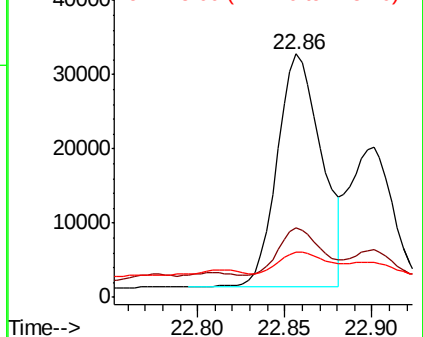
125 18.5 7.4 11.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.414 ng

RT: 22.90 min Scan# 2444

Delta R.T. -0.01 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

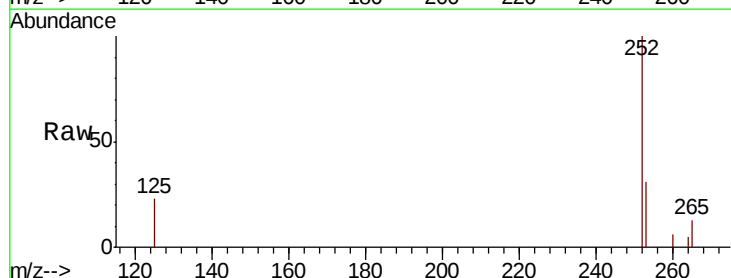
Tgt Ion:252 Resp: 30389

Ion Ratio Lower Upper

252 100

253 31.5 19.3 28.9#

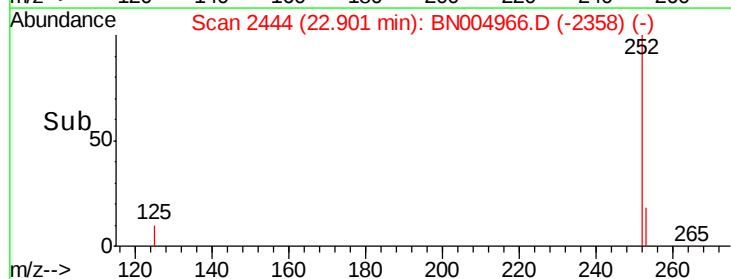
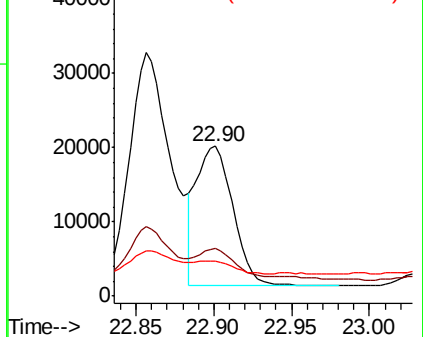
125 23.5 7.4 11.0#

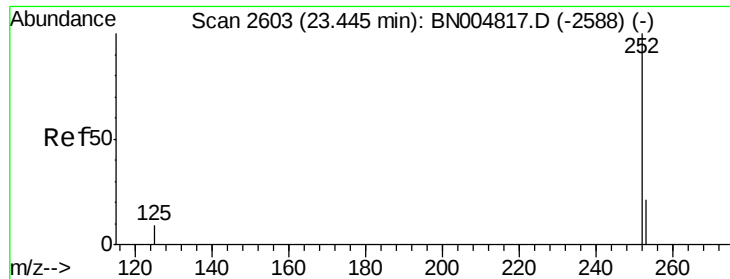


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.559 ng

RT: 23.44 min Scan# 2601

Delta R.T. -0.01 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MS

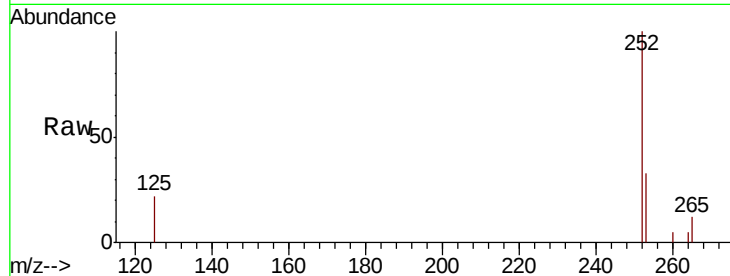
Tgt Ion:252 Resp: 38201

Ion Ratio Lower Upper

252 100

253 32.5 19.7 29.5#

125 22.4 8.3 12.5#

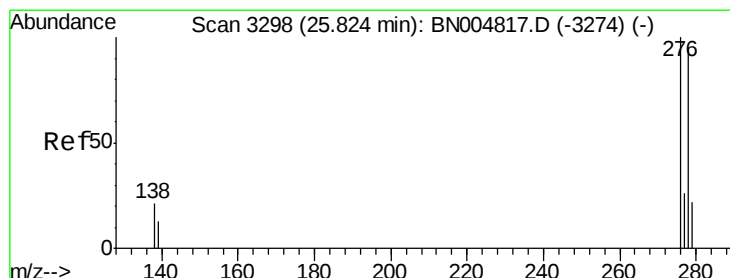
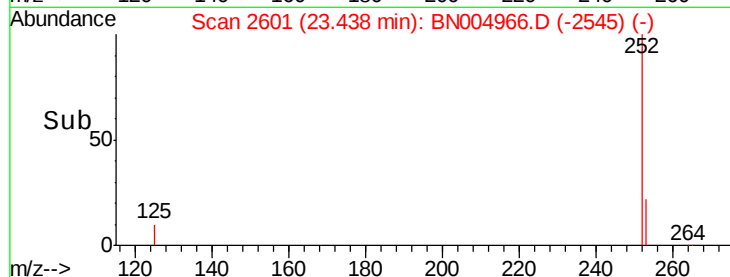
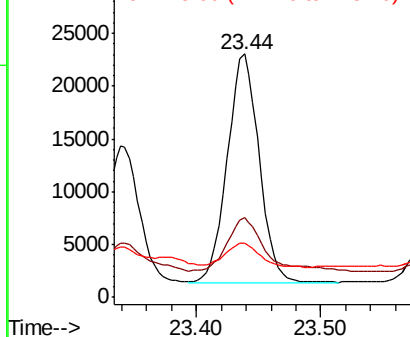


Abundance

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: 0.275 ng

RT: 25.81 min Scan# 3295

Delta R.T. -0.01 min

Lab File: BN004966.D

Acq: 25 Mar 2019 18:18

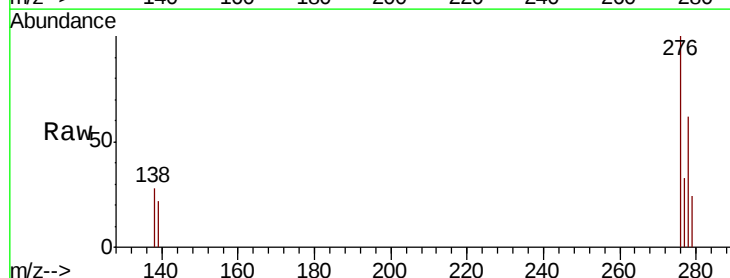
Tgt Ion:278 Resp: 21791

Ion Ratio Lower Upper

278 100

139 35.1 11.7 17.5#

279 38.4 19.9 29.9#

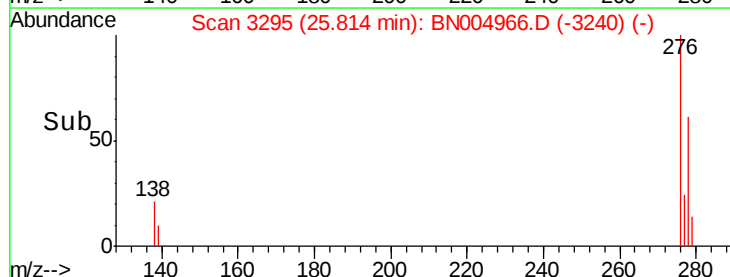
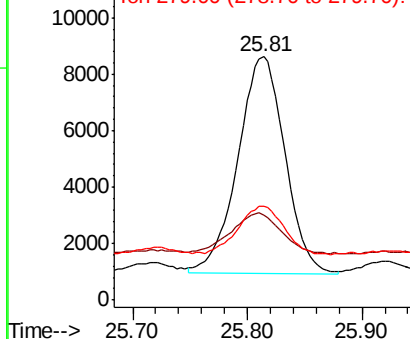


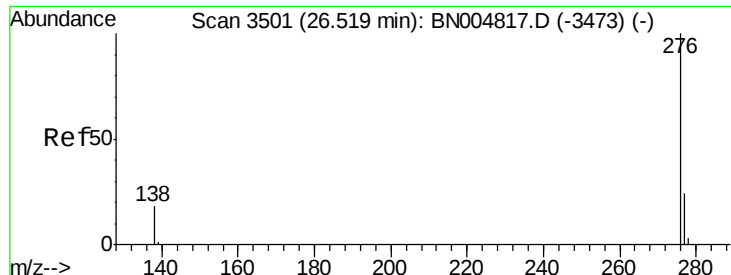
Abundance

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(g,h,i)perylene

Concen: 0.514 ng

RT: 26.50 min Scan# 3496

Delta R.T. -0.02 min

Lab File: BN004966.D

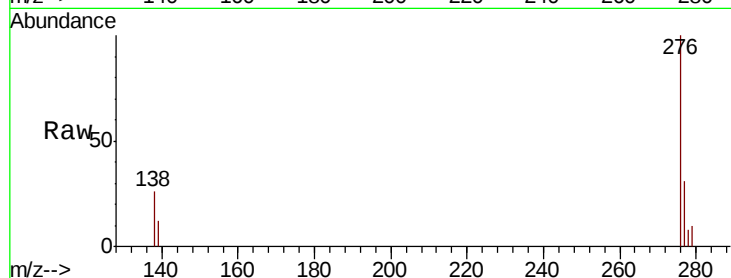
Acq: 25 Mar 2019 18:18

Instrument :

BNA_N

ClientSampleId :

PST-025-B028-031919MS



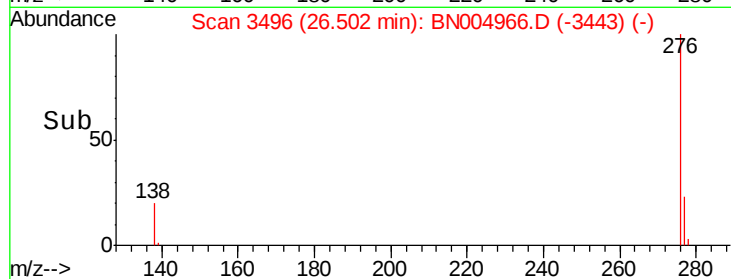
Tgt Ion: 276 Resp: 41478

Ion Ratio Lower Upper

276 100

277 30.8 19.7 29.5#

138 25.5 14.6 22.0#



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

