

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090519\
 Data File : BN007538.D
 Acq On : 05 Sep 2019 18:16
 Operator : HP/JU
 Sample : PB122822BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB122822BSD

Quant Time: Sep 06 01:59:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 29 12:18:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	5969	0.40	ng	-0.02
7) Naphthalene-d8	10.15	136	27379	0.40	ng	-0.01
13) Acenaphthene-d10	14.03	164	16703	0.40	ng	-0.02
19) Phenanthrene-d10	16.79	188	40309	0.40	ng	0.00
27) Chrysene-d12	21.00	240	35847	0.40	ng	-0.01
34) Perylene-d12	23.11	264	34006	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.02	112	6658	0.32	ng	-0.02
5) Phenol-d6	6.58	99	8320	0.31	ng	0.00
8) Nitrobenzene-d5	8.53	82	7640	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	11.75	152	18483	0.41	ng	-0.01
14) 2,4,6-Tribromophenol	15.54	330	2627	0.30	ng	-0.02
15) 2-Fluorobiphenyl	12.65	172	26313	0.39	ng	0.00
25) Fluoranthene-d10	18.83	212	46878	0.36	ng	-0.01
29) Terphenyl-d14	19.46	244	38591	0.41	ng	-0.01

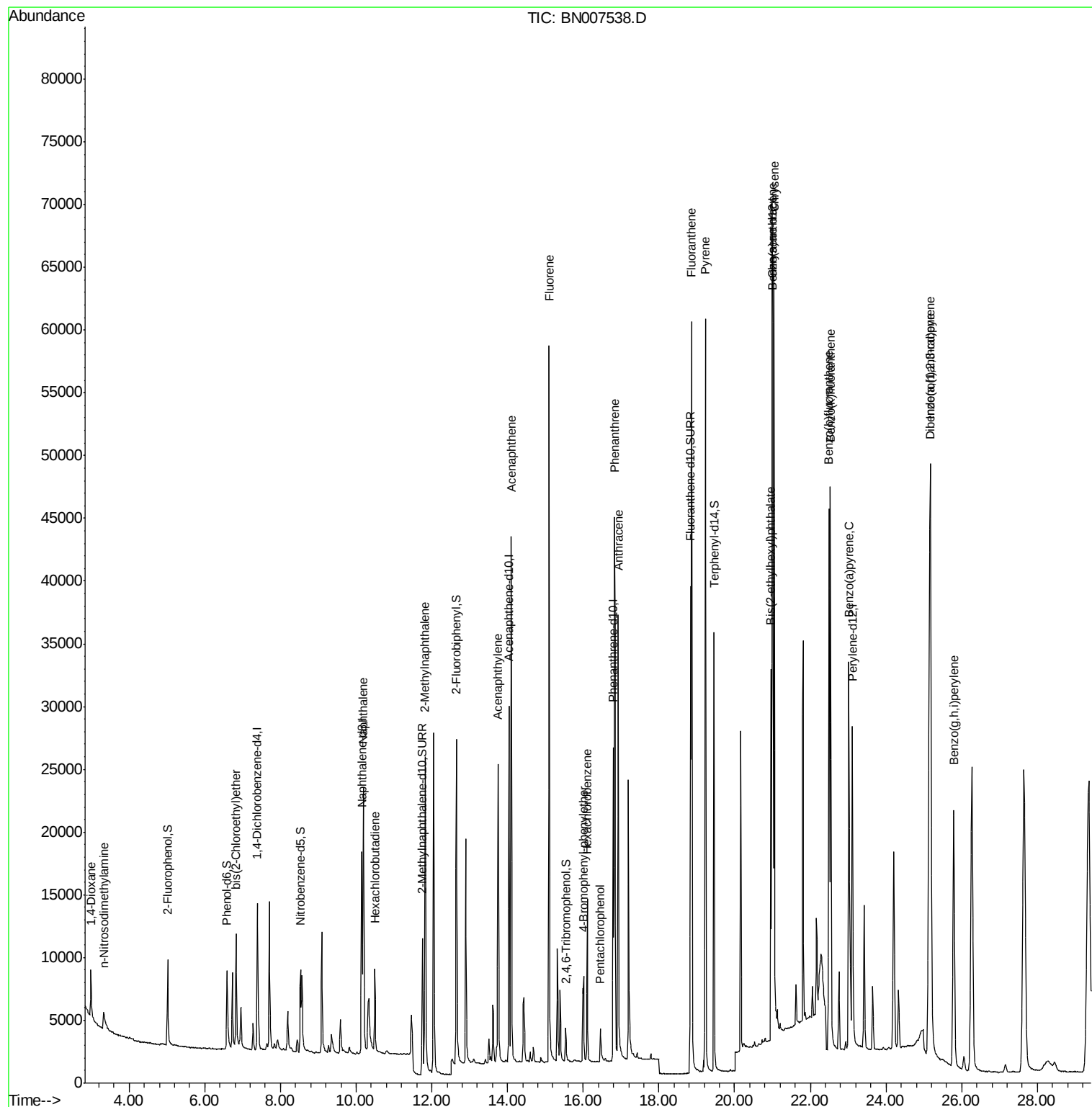
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.00	88	3973	0.401	ng	# 81
3) n-Nitrosodimethylamine	3.32	42	1291	0.280	ng	# 75
6) bis(2-Chloroethyl)ether	6.83	93	9033	0.419	ng	95
9) Naphthalene	10.19	128	30660	0.392	ng	# 90
10) Hexachlorobutadiene	10.49	225	5628	0.351	ng	# 100
12) 2-Methylnaphthalene	11.82	142	21667	0.407	ng	97
16) Acenaphthylene	13.75	152	32521	0.329	ng	99
17) Acenaphthene	14.10	154	22461	0.388	ng	98
18) Fluorene	15.09	166	29541	0.404	ng	99
20) 4-Bromophenyl-phenylether	16.01	248	2551	0.160	ng	# 86
21) Hexachlorobenzene	16.10	284	10554	0.391	ng	97
22) Pentachlorophenol	16.45	266	2057	0.245	ng	# 67
23) Phenanthrene	16.83	178	48038	0.396	ng	99
24) Anthracene	16.92	178	41567	0.341	ng	100
26) Fluoranthene	18.86	202	57107	0.367	ng	98
28) Pyrene	19.23	202	58203	0.404	ng	99
30) Benzo(a)anthracene	20.99	228	52526	0.373	ng	100
31) Chrysene	21.05	228	51698	0.380	ng	99
32) Bis(2-ethylhexyl)phthalate	20.96	149	26488	0.272	ng	98
33) Indeno(1,2,3-cd)pyrene	25.17	276	52225	0.319	ng	92
35) Benzo(b)fluoranthene	22.49	252	50059	0.406	ng	# 95
36) Benzo(k)fluoranthene	22.53	252	53554	0.440	ng	# 96
37) Benzo(a)pyrene	23.02	252	44119	0.376	ng	# 95
38) Dibenzo(a,h)anthracene	25.18	278	42038	0.359	ng	# 68
39) Benzo(g,h,i)perylene	25.79	276	42574	0.365	ng	100

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

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QLast Update : Thu Aug 29 12:18:45 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 566

Delta R.T. -0.02 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

Instrument :

BNA_N

ClientSampleId :

PB122822BSD

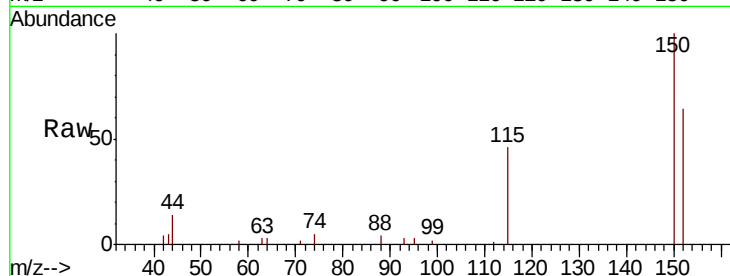
Tot Ion:152 Resp: 5969

Ion Ratio Lower Upper

152 100

150 156.6 109.1 163.7

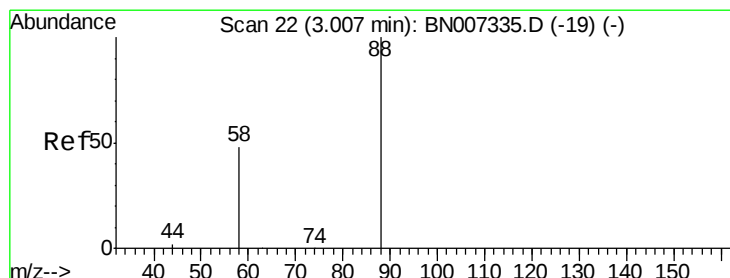
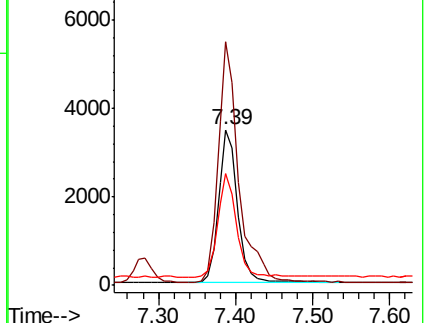
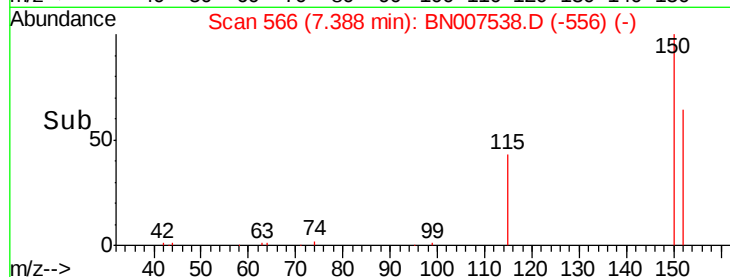
115 72.2 59.6 89.4



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: 0.401 ng

RT: 3.00 min Scan# 21

Delta R.T. -0.01 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

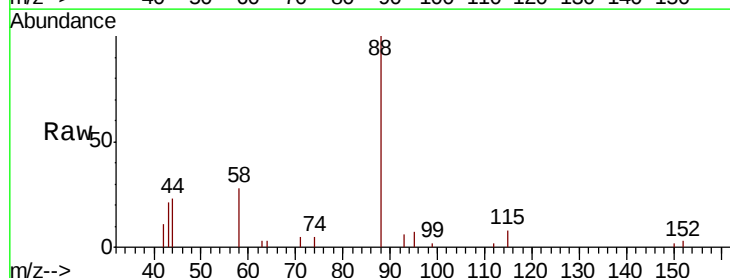
Tgt Ion: 88 Resp: 3973

Ion Ratio Lower Upper

88 100

58 48.3 50.5 75.7#

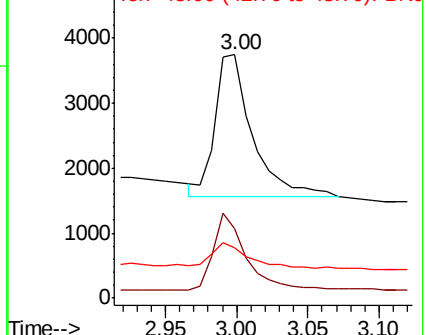
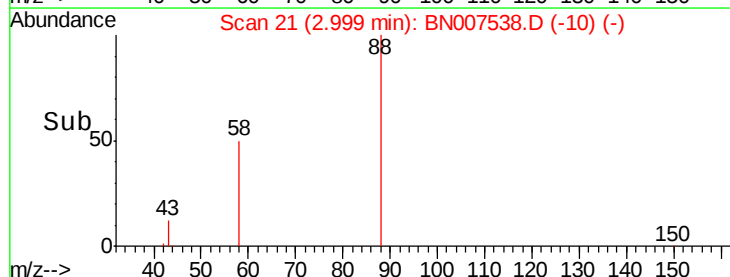
43 18.1 0.0 0.0#



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: 0.280 ng

RT: 3.32 min Scan# 61

Delta R.T. -0.01 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

Instrument :

BNA_N

ClientSampleId :

PB122822BSD

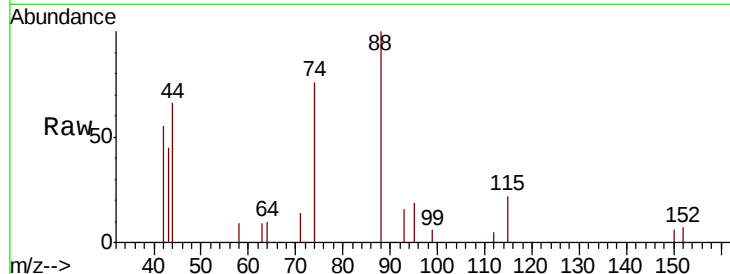
Tot Ion: 42 Resp: 1291

Ion Ratio Lower Upper

42 100

74 217.1 144.7 217.1#

44 3.3 3.2 4.8



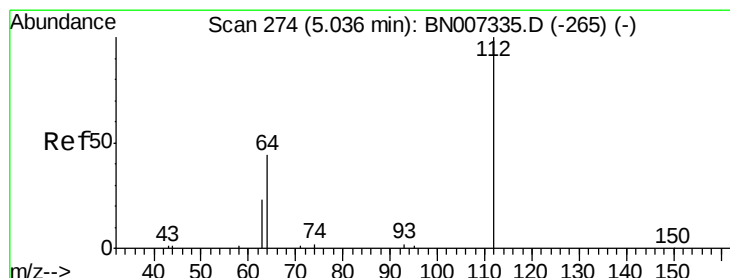
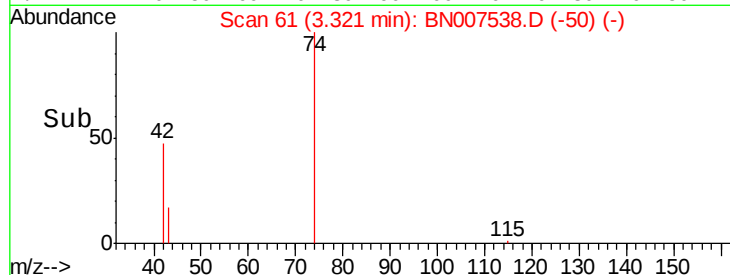
Abundance Ion 42.00 (41.70 to 42.70): BN007538.D (-57) (-)

Ion 74.00 (73.70 to 74.70): BN007538.D (-57) (-)

Ion 44.00 (43.70 to 44.70): BN007538.D (-57) (-)

3.32

Time-->



#4

2-Fluorophenol

Concen: 0.315 ng

RT: 5.02 min Scan# 272

Delta R.T. -0.02 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

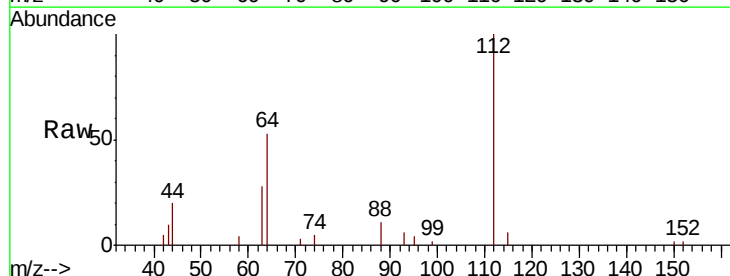
Tgt Ion: 112 Resp: 6658

Ion Ratio Lower Upper

112 100

64 56.3 42.3 63.5

63 28.4 23.6 35.4



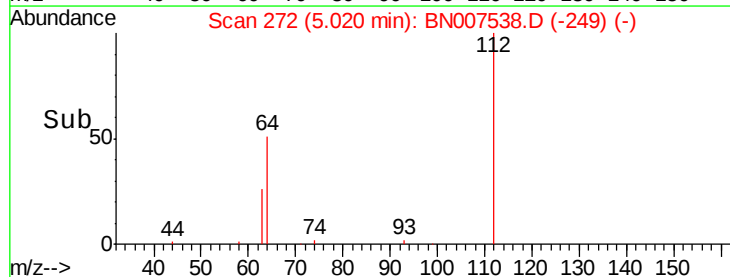
Abundance Ion 112.00 (111.70 to 112.70): BN007538.D (-249) (-)

Ion 64.00 (63.70 to 64.70): BN007538.D (-249) (-)

Ion 63.00 (62.70 to 63.70): BN007538.D (-249) (-)

5.02

Time-->





#5

Phenol-d6

Concen: 0.309 ng

RT: 6.58 min Scan# 466

Delta R.T. -0.01 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

Instrument :

BNA_N

ClientSampleId :

PB122822BSD

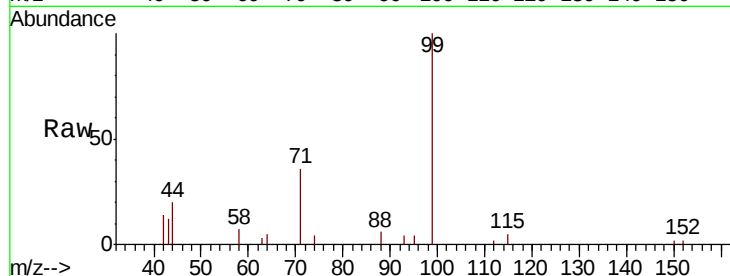
Tot Ion: 99 Resp: 8320

Ion Ratio Lower Upper

99 100

42 11.0 11.2 16.8#

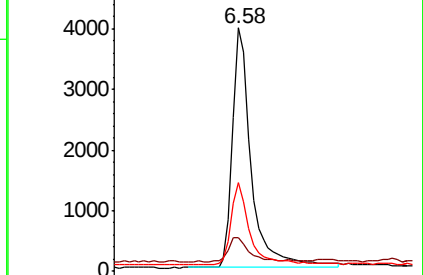
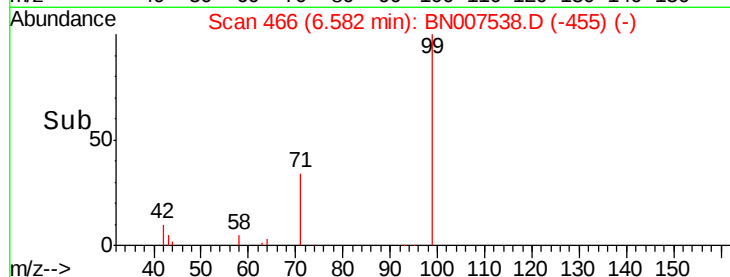
71 33.9 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007538.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN007538.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN007538.D (-462) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.419 ng

RT: 6.83 min Scan# 497

Delta R.T. -0.01 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

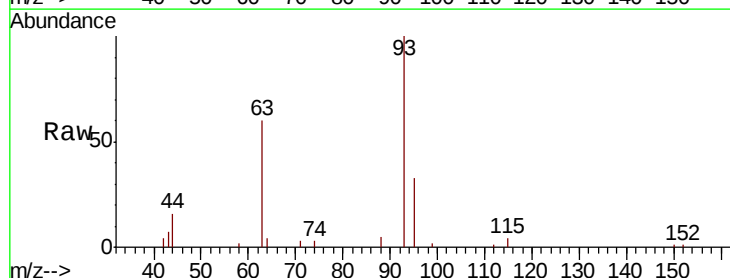
Tgt Ion: 93 Resp: 9033

Ion Ratio Lower Upper

93 100

63 61.5 51.9 77.9

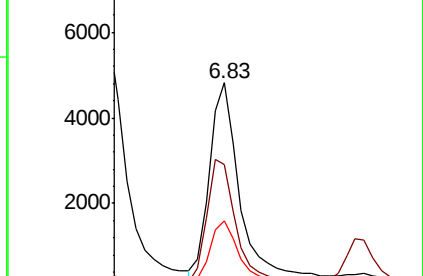
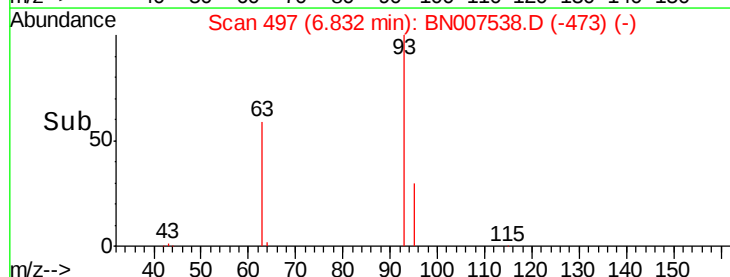
95 30.9 27.7 41.5

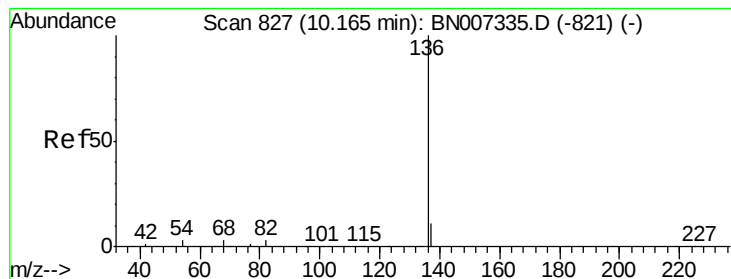


Abundance Ion 93.00 (92.70 to 93.70): BN007538.D (-494) (-)

Ion 63.00 (62.70 to 63.70): BN007538.D (-494) (-)

Ion 95.00 (94.70 to 95.70): BN007538.D (-494) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

Instrument :

BNA_N

ClientSampleId :

PB122822BSD

Tot Ion:136 Resp: 27379

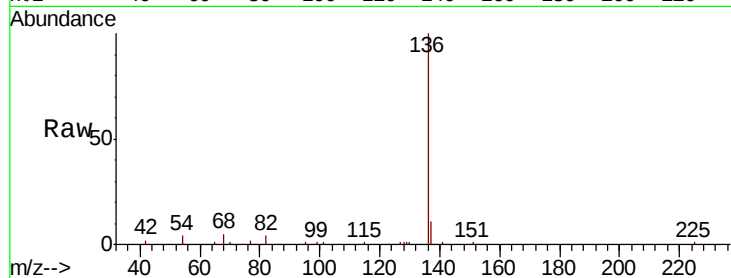
Ion Ratio Lower Upper

136 100

137 11.0 12.9 19.3#

54 3.7 8.6 12.8#

68 5.2 17.0 25.4#

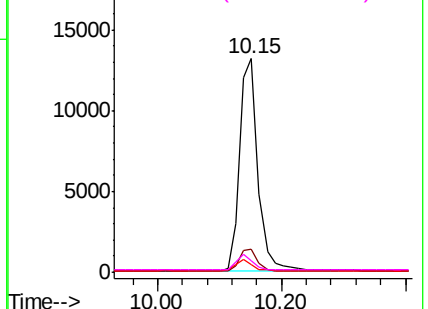
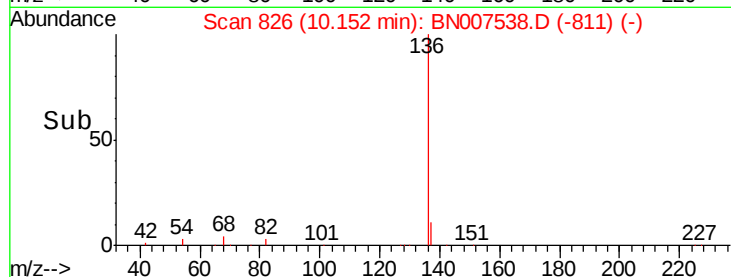


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.321 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

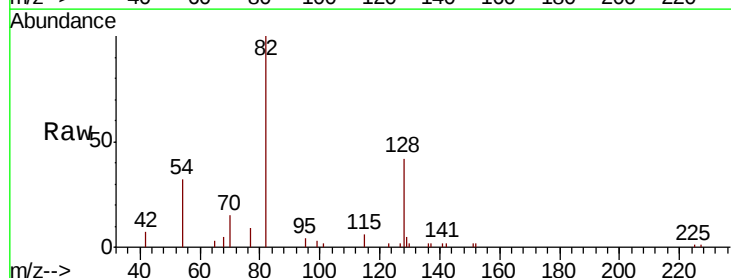
Tgt Ion: 82 Resp: 7640

Ion Ratio Lower Upper

82 100

128 41.5 19.7 29.5#

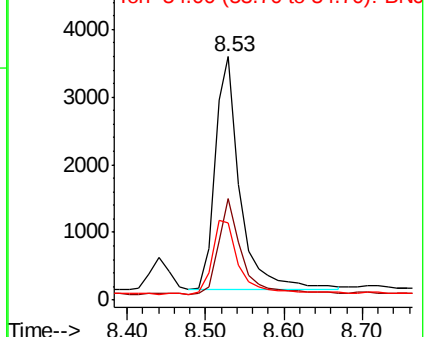
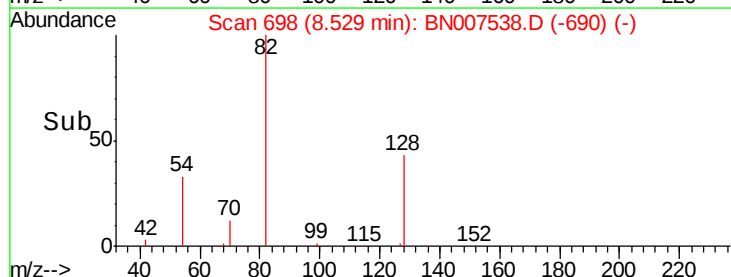
54 31.8 25.8 38.6

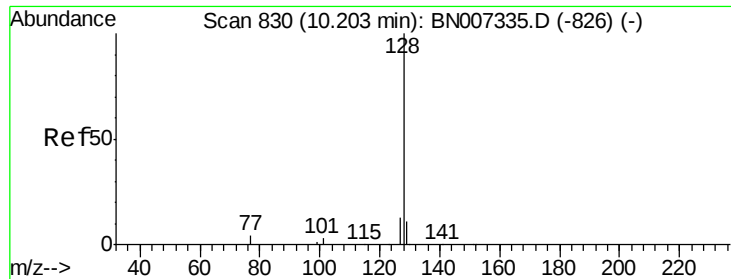


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

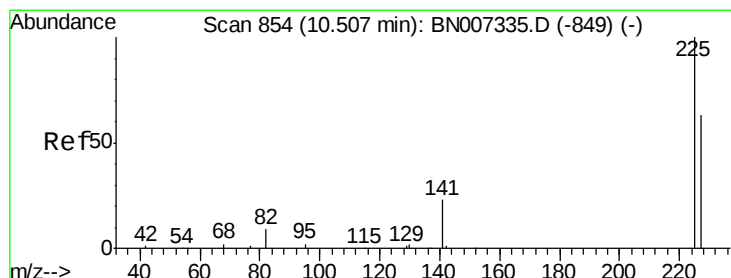
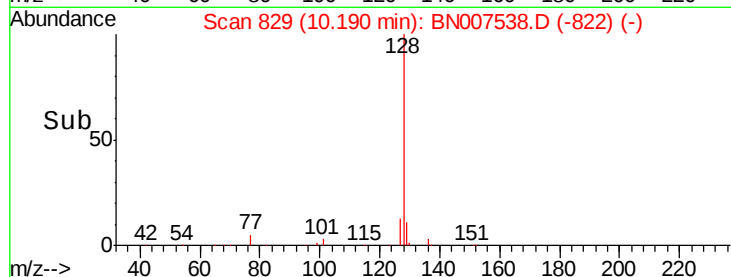
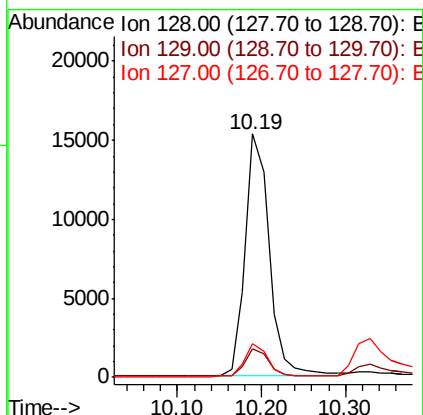
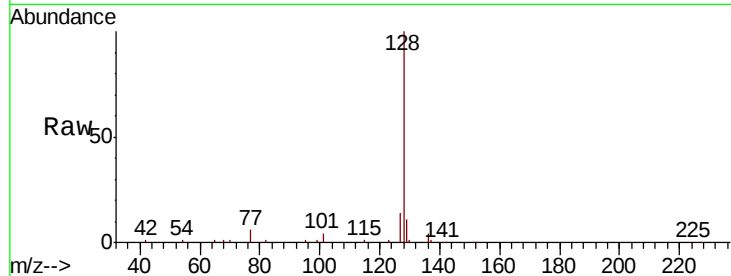




#9
Naphthalene
Concen: 0.392 ng
RT: 10.19 min Scan# 829
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

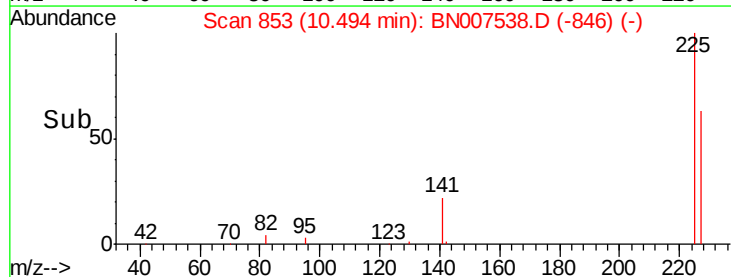
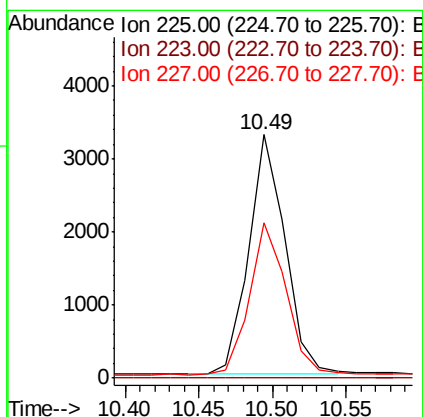
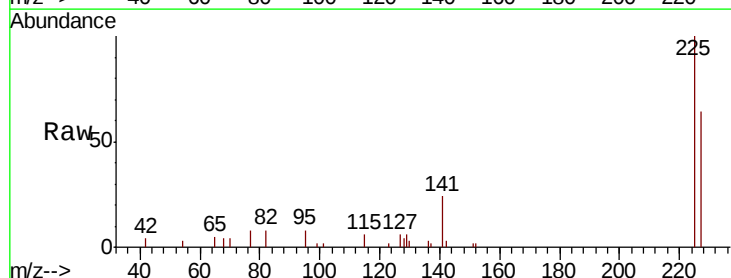
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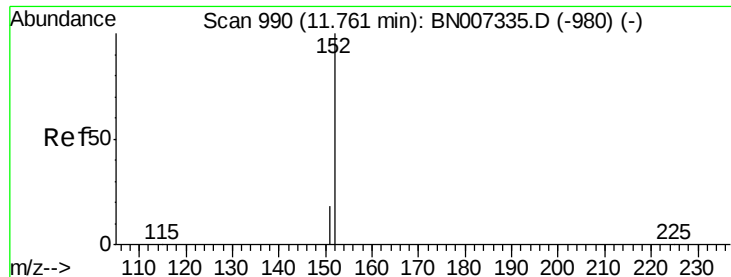
Tot Ion:128 Resp: 30660
Ion Ratio Lower Upper
128 100
129 11.5 11.1 16.7
127 13.7 15.5 23.3#



#10
Hexachlorobutadiene
Concen: 0.351 ng
RT: 10.49 min Scan# 853
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Tgt Ion:225 Resp: 5628
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.5 50.7 76.1

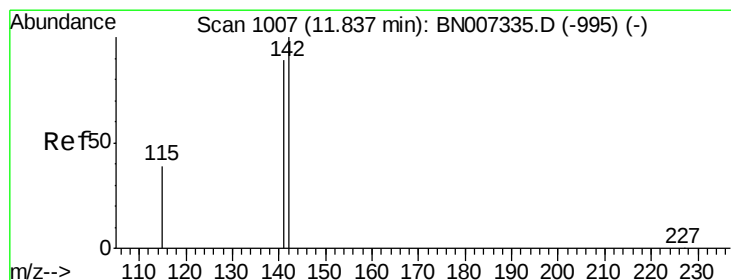
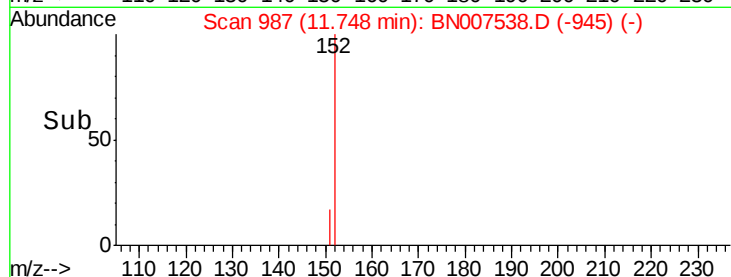
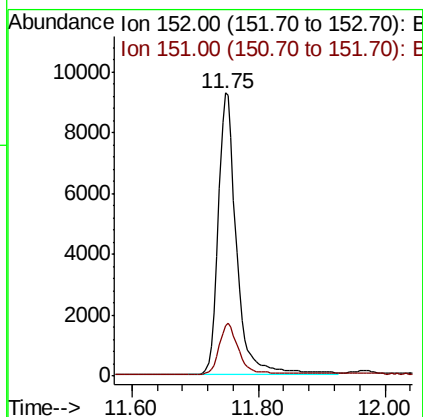
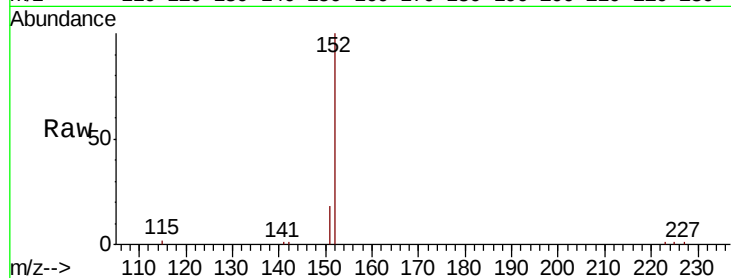




#11
2-Methylnaphthalene-d10
Concen: 0.406 ng
RT: 11.75 min Scan# 987
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

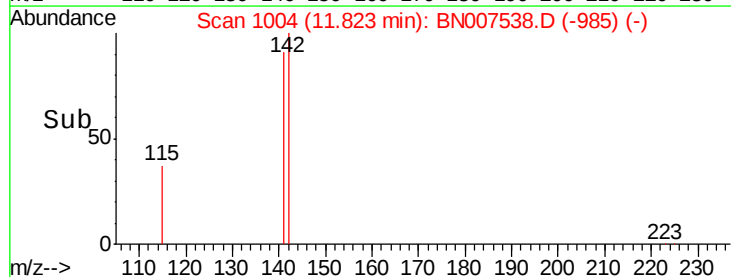
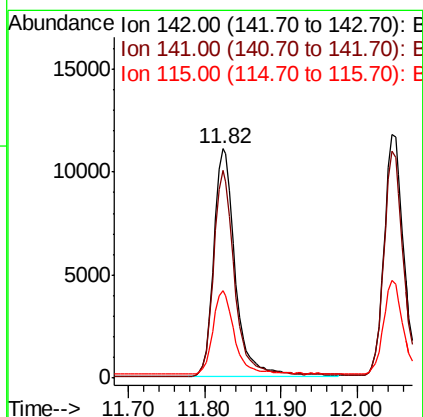
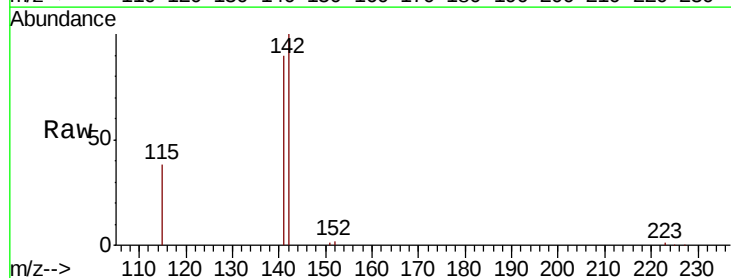
Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Tot Ion:152 Resp: 18483
Ion Ratio Lower Upper
152 100
151 19.1 16.2 24.2



#12
2-Methylnaphthalene
Concen: 0.407 ng
RT: 11.82 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Tgt Ion:142 Resp: 21667
Ion Ratio Lower Upper
142 100
141 90.5 72.8 109.2
115 38.4 35.2 52.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

Instrument :

BNA_N

ClientSampleId :

PB122822BSD

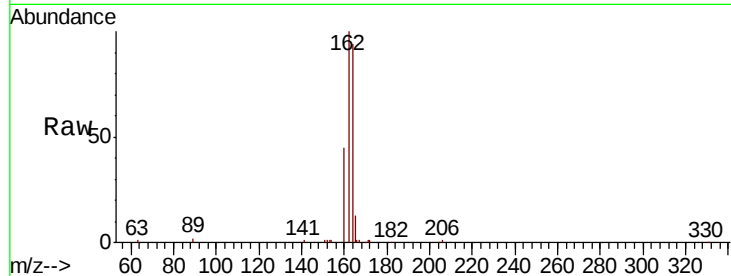
Tot Ion:164 Resp: 16703

Ion Ratio Lower Upper

164 100

162 106.0 83.5 125.3

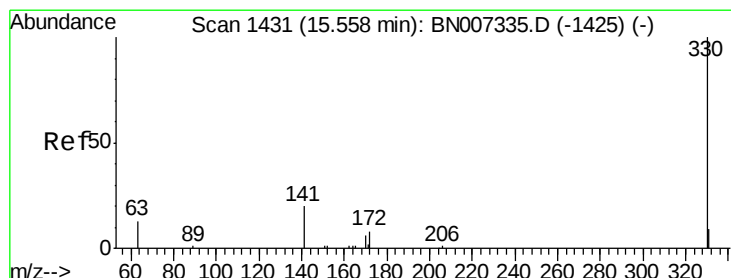
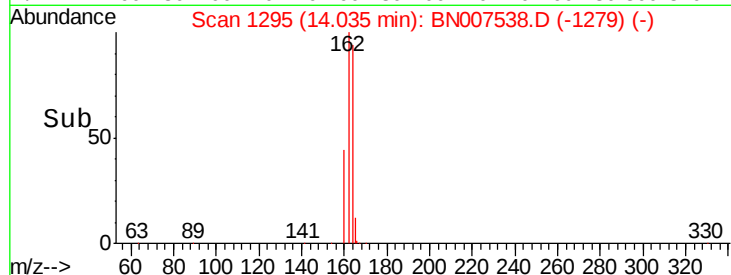
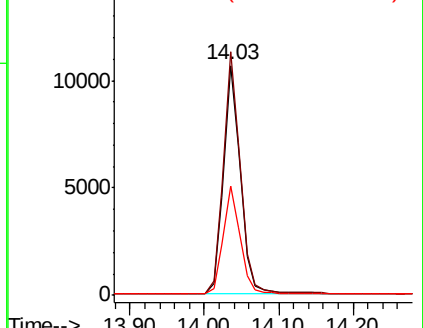
160 47.3 38.2 57.4



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: 0.301 ng

RT: 15.54 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

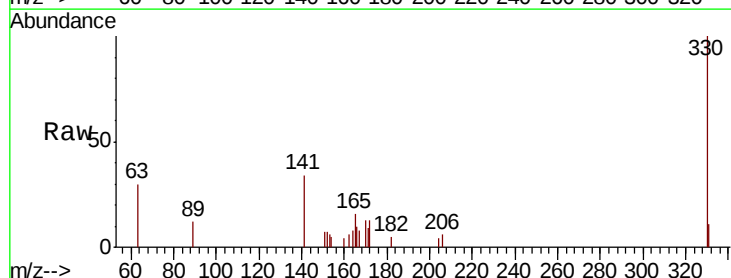
Tgt Ion:330 Resp: 2627

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

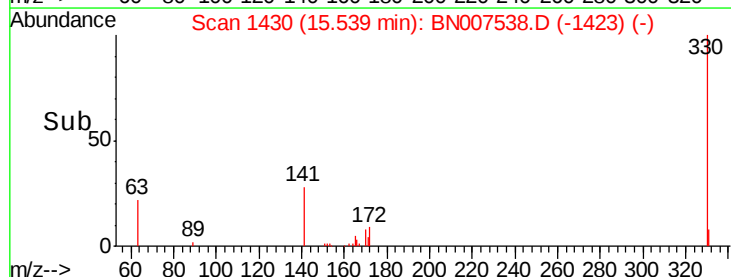
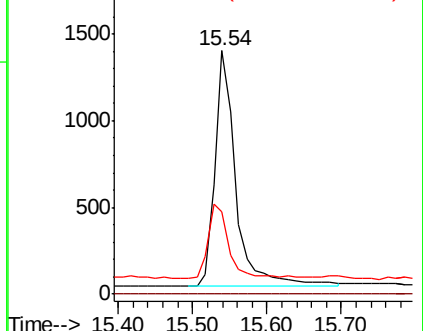
141 30.8 26.9 40.3



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

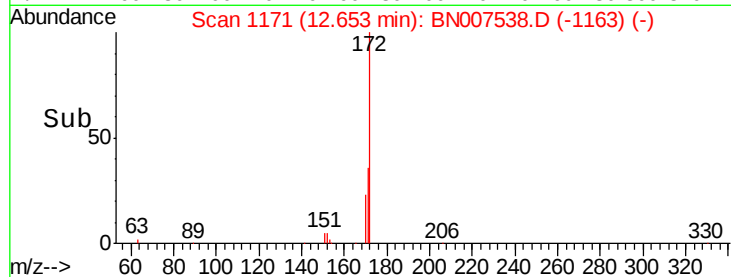
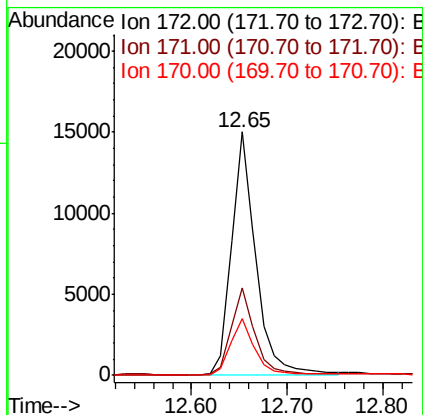
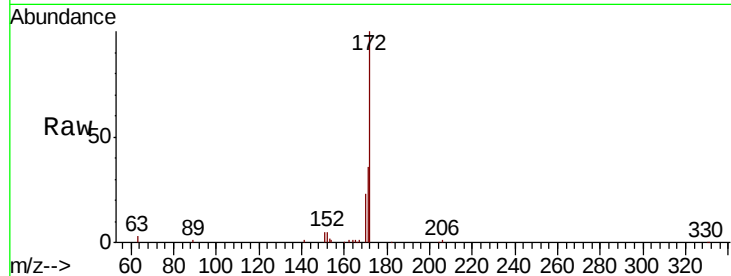




#15
2-Fluorobiphenyl
Concen: 0.391 ng
RT: 12.65 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

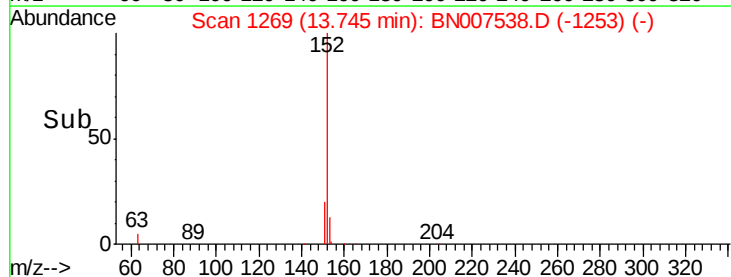
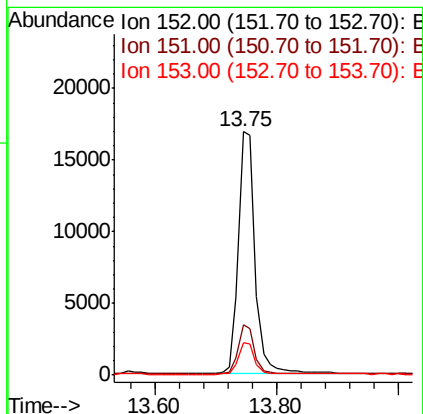
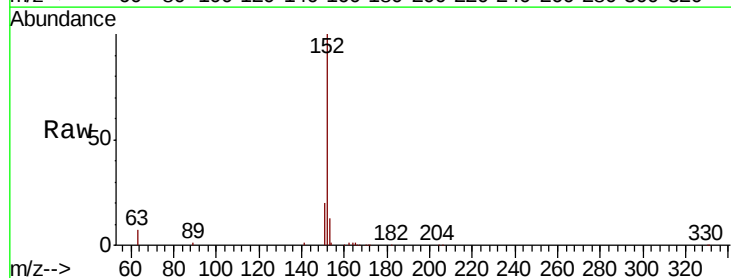
Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.3	45.5
170	23.3	20.7	31.1



#16
Acenaphthylene
Concen: 0.329 ng
RT: 13.75 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.1	24.1
153	13.1	10.6	15.8

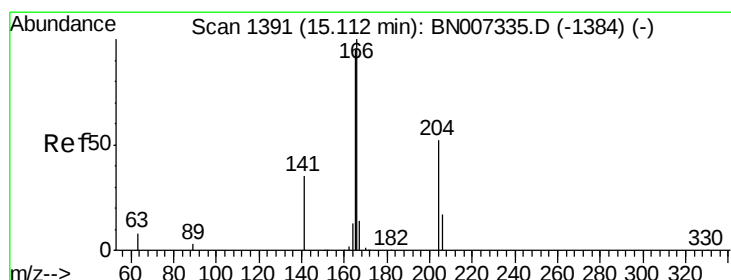
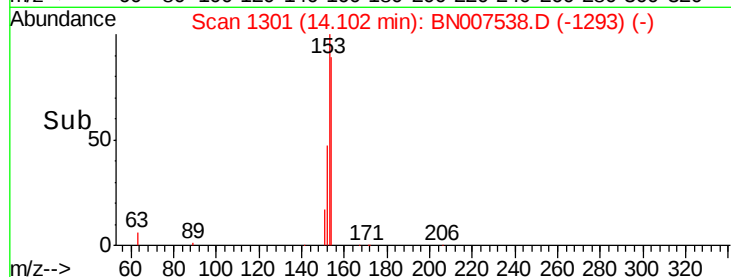
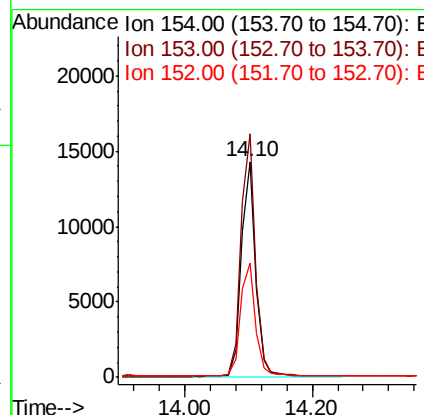
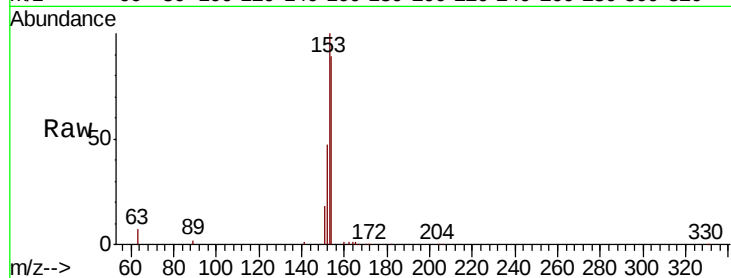




#17
Acenaphthene
Concen: 0.388 ng
RT: 14.10 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

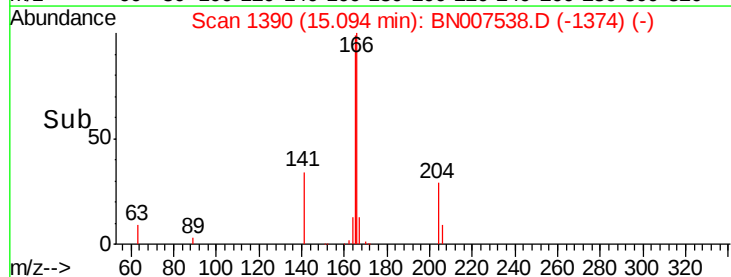
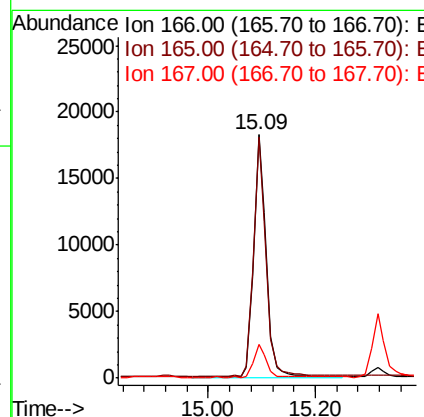
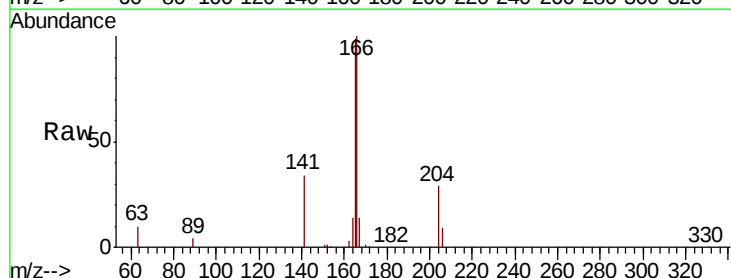
Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Tot Ion:154 Resp: 22461
Ion Ratio Lower Upper
154 100
153 113.3 92.8 139.2
152 54.2 43.8 65.8



#18
Fluorene
Concen: 0.404 ng
RT: 15.09 min Scan# 1390
Delta R.T. -0.02 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Tgt Ion:166 Resp: 29541
Ion Ratio Lower Upper
166 100
165 97.8 79.0 118.4
167 13.6 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.79 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

Instrument :

BNA_N

ClientSampleId :

PB122822BSD

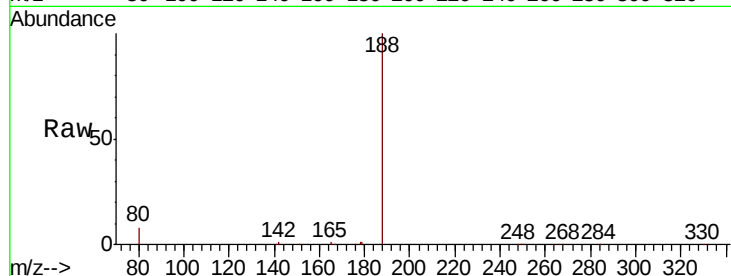
Tot Ion:188 Resp: 40309

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

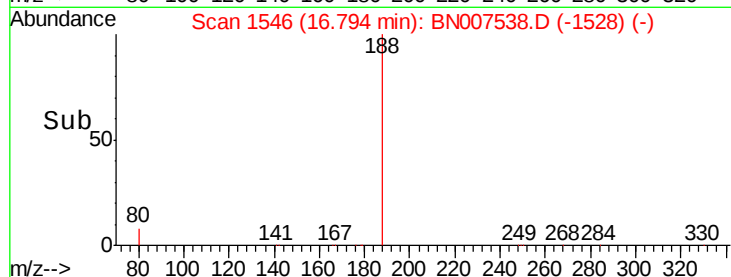
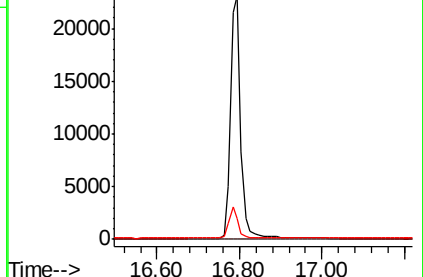
80 8.5 11.8 17.8#



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: 0.160 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

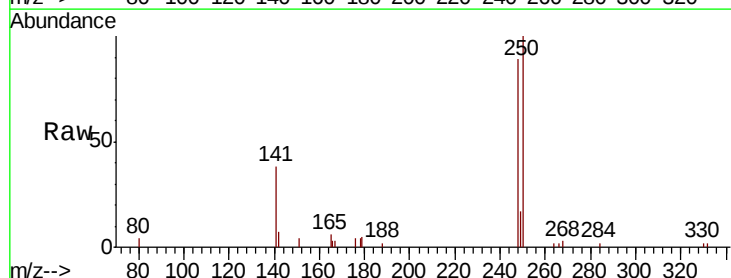
Tgt Ion:248 Resp: 2551

Ion Ratio Lower Upper

248 100

250 111.9 85.0 127.6

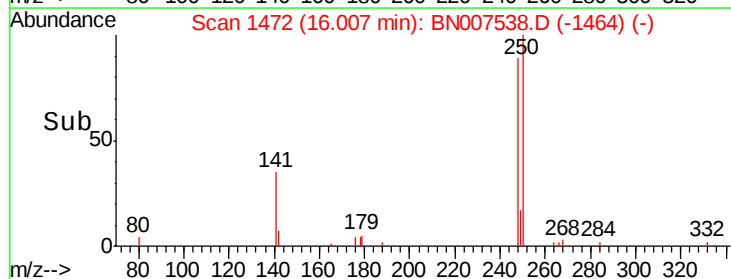
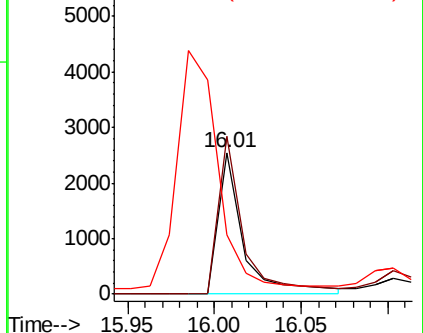
141 42.4 51.7 77.5#



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: 0.391 ng

RT: 16.10 min Scan# 1481

Delta R.T. -0.02 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

Instrument :

BNA_N

ClientSampleId :

PB122822BSD

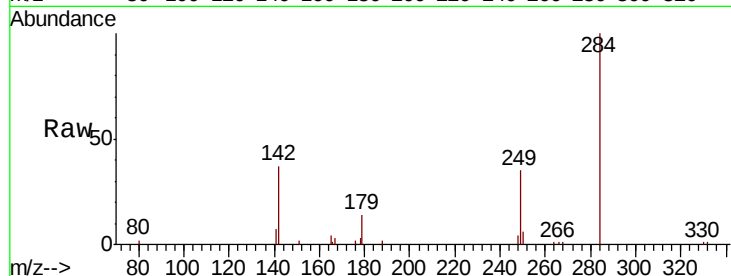
Tot Ion:284 Resp: 10554

Ion Ratio Lower Upper

284 100

142 33.4 29.0 43.6

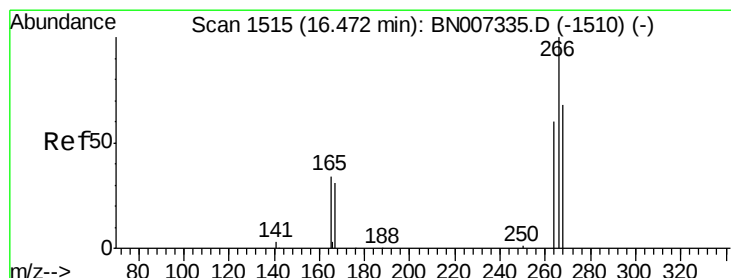
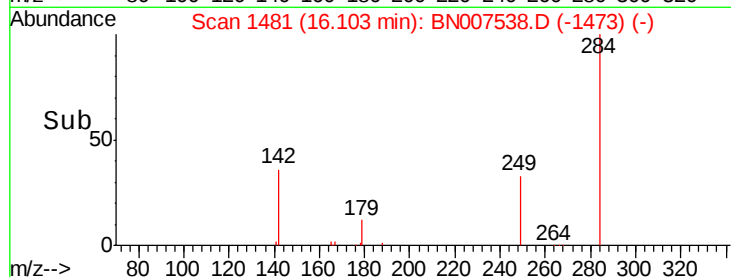
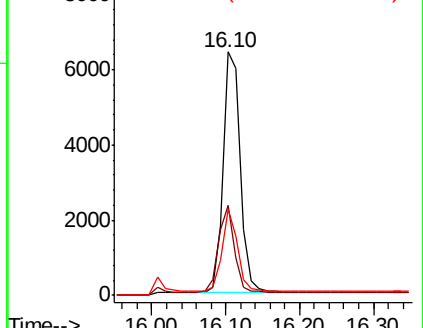
249 30.8 24.9 37.3



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: 0.245 ng

RT: 16.45 min Scan# 1514

Delta R.T. -0.02 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

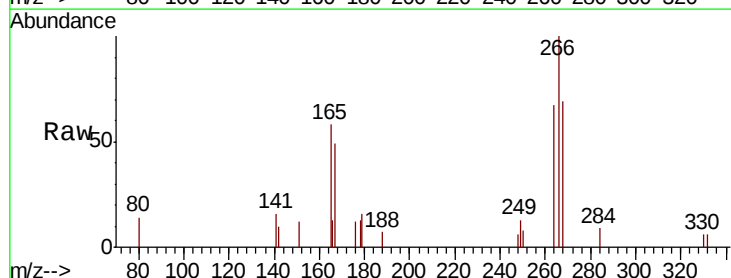
Tgt Ion:266 Resp: 2057

Ion Ratio Lower Upper

266 100

264 66.5 57.8 86.8

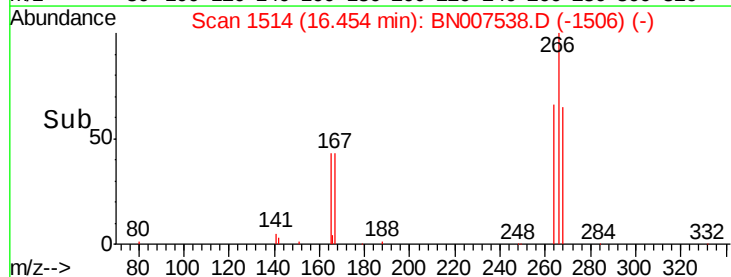
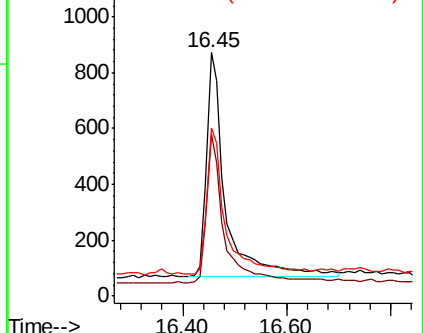
268 69.2 99.7 149.5#

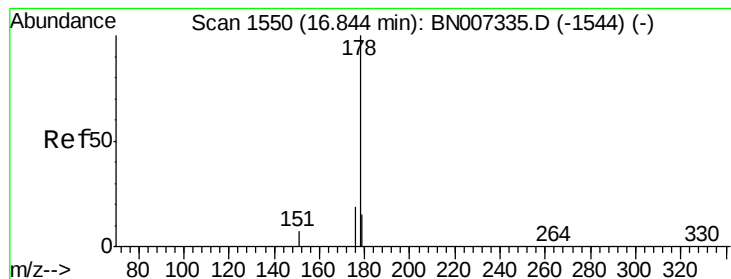


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.396 ng

RT: 16.83 min Scan# 1549

Delta R.T. -0.02 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

Instrument :

BNA_N

ClientSampleId :

PB122822BSD

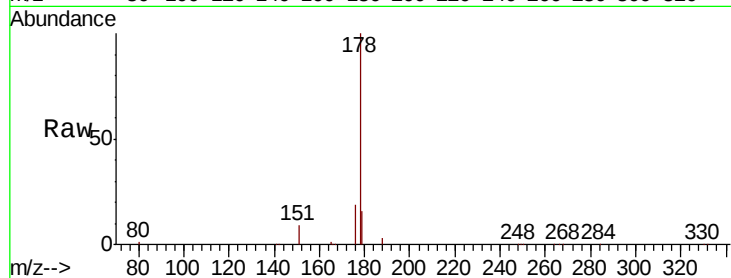
Tot Ion:178 Resp: 48038

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

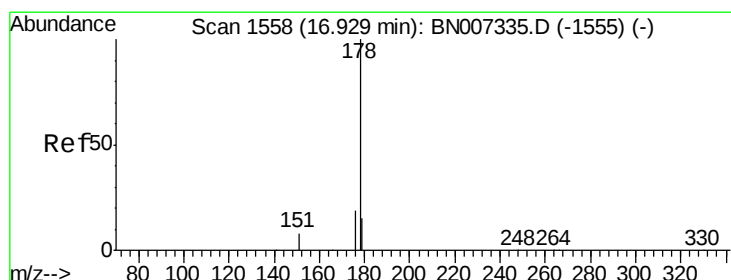
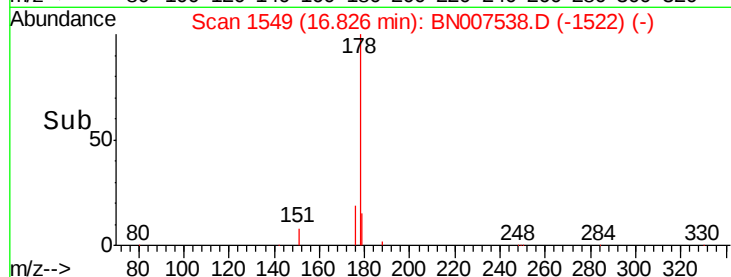
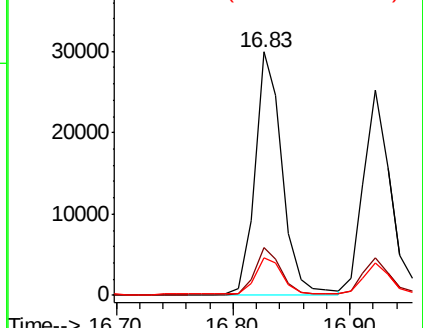
179 15.5 12.6 19.0



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



#24

Anthracene

Concen: 0.341 ng

RT: 16.92 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

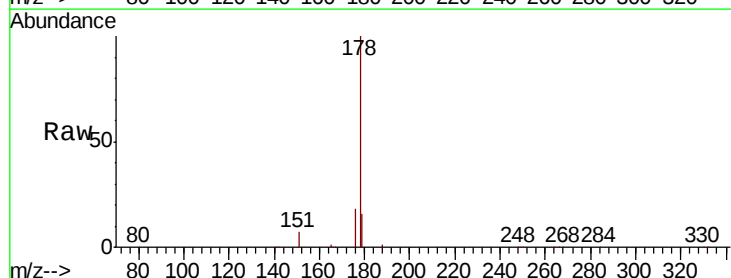
Tgt Ion:178 Resp: 41567

Ion Ratio Lower Upper

178 100

176 18.4 14.9 22.3

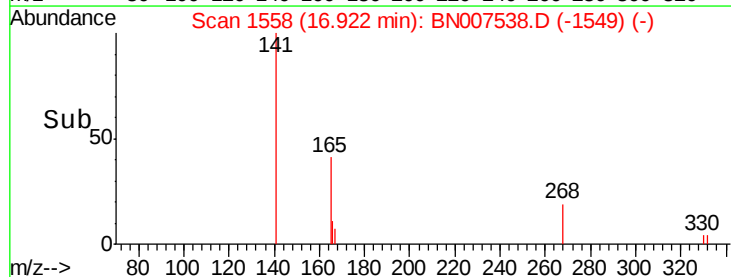
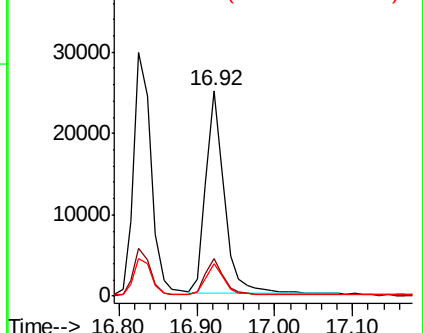
179 15.5 12.4 18.6



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

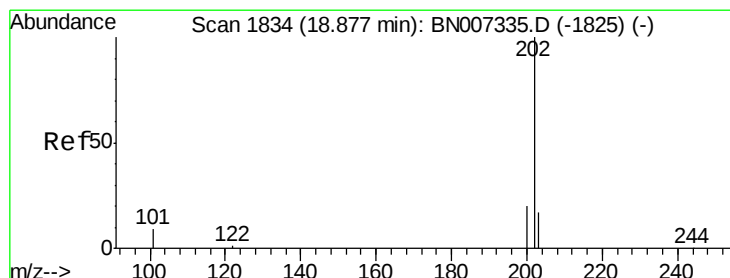
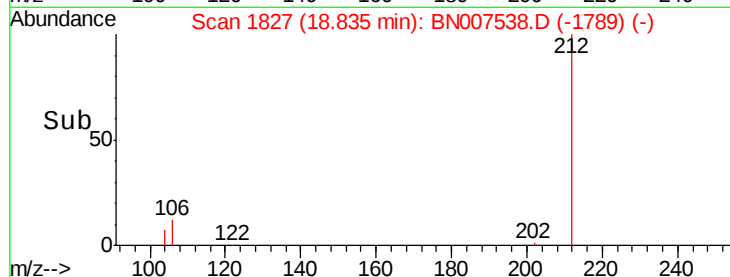
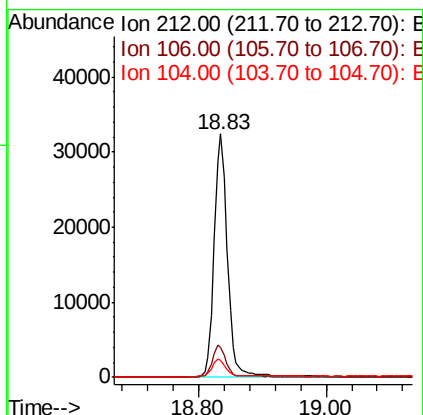
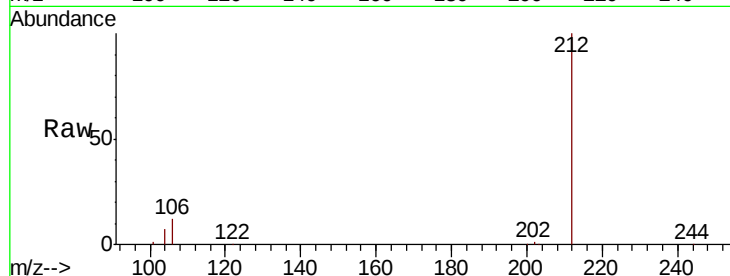




#25
 Fluoranthene-d10
 Concen: 0.361 ng
 RT: 18.83 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BN007538.D
 Acq: 05 Sep 2019 18:16

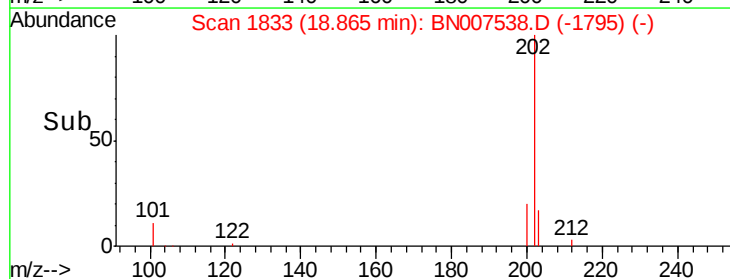
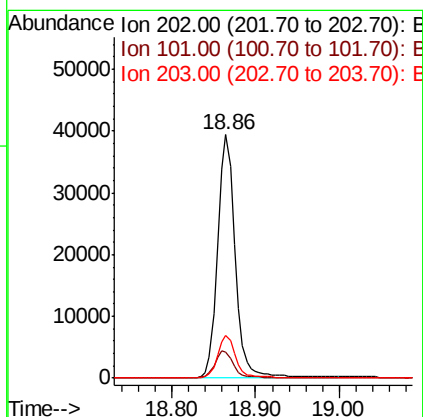
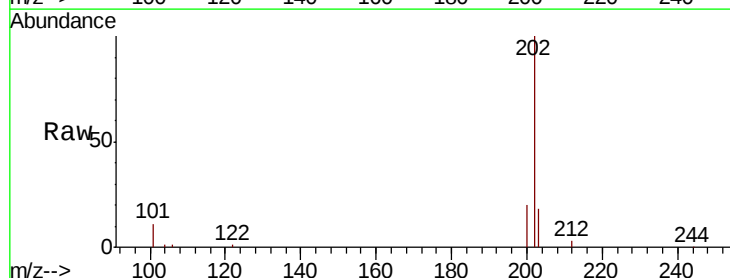
Instrument :
 BNA_N
 ClientSampleId :
 PB122822BSD

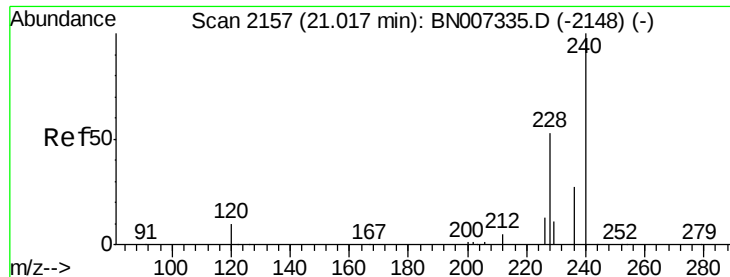
Tot Ion:212 Resp: 46878
 Ion Ratio Lower Upper
 212 100
 106 12.9 9.0 13.4
 104 7.2 5.4 8.2



#26
 Fluoranthene
 Concen: 0.367 ng
 RT: 18.86 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BN007538.D
 Acq: 05 Sep 2019 18:16

Tgt Ion:202 Resp: 57107
 Ion Ratio Lower Upper
 202 100
 101 11.1 7.7 11.5
 203 17.2 13.7 20.5

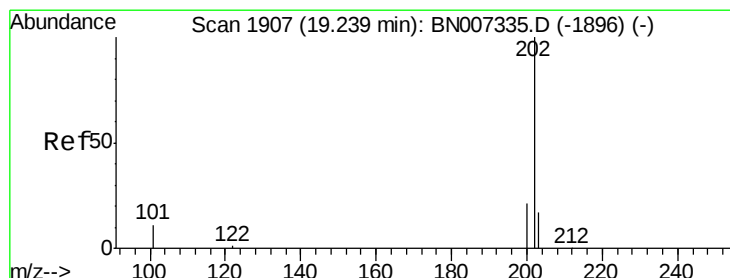
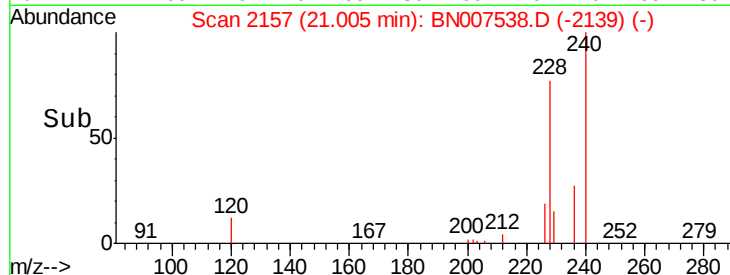
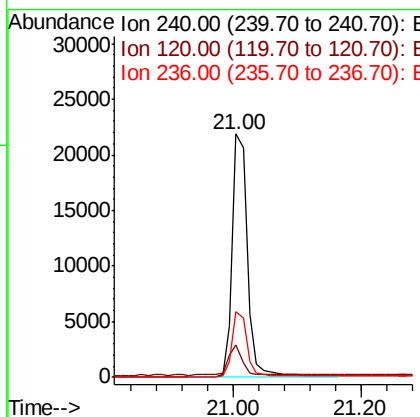
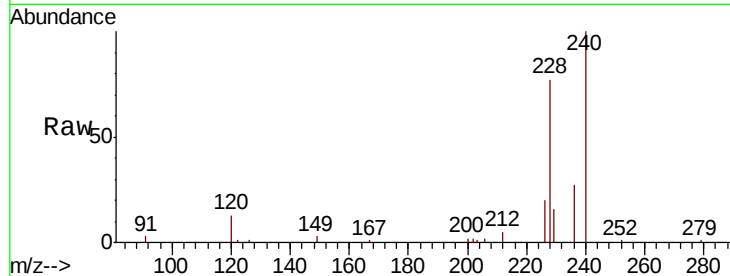




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

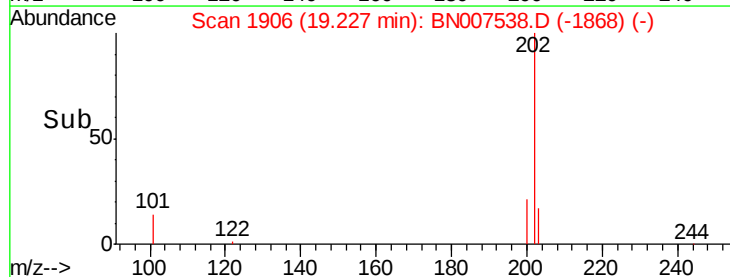
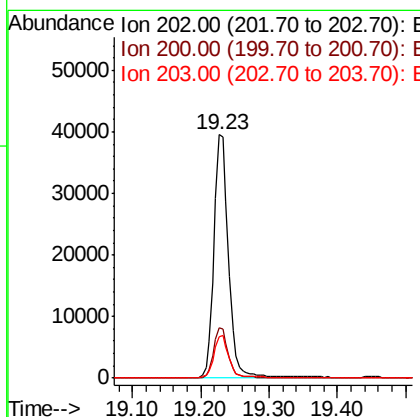
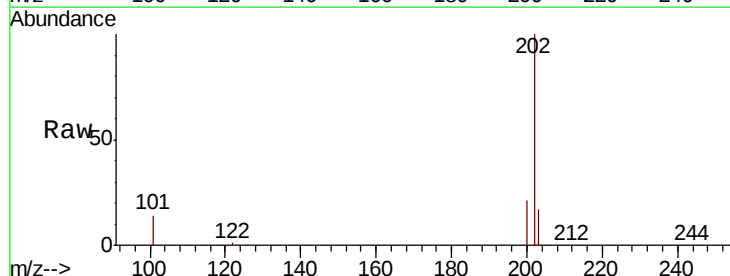
Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Tot Ion:240 Resp: 35847
Ion Ratio Lower Upper
240 100
120 13.2 9.6 14.4
236 27.1 22.2 33.2



#28
Pyrene
Concen: 0.404 ng
RT: 19.23 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Tgt Ion:202 Resp: 58203
Ion Ratio Lower Upper
202 100
200 20.6 16.6 25.0
203 17.5 14.2 21.4





#29

Terphenyl-d14

Concen: 0.411 ng

RT: 19.46 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

Instrument :

BNA_N

ClientSampleId :

PB122822BSD

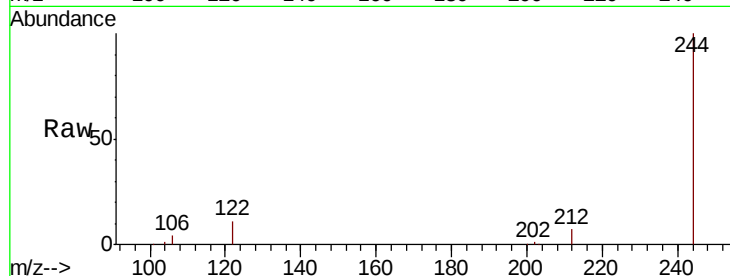
Tot Ion:244 Resp: 38591

Ion Ratio Lower Upper

244 100

212 7.5 7.0 10.6

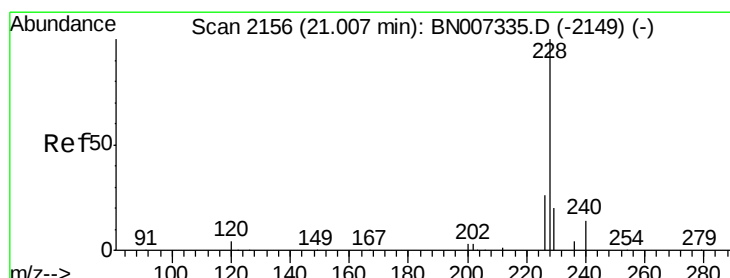
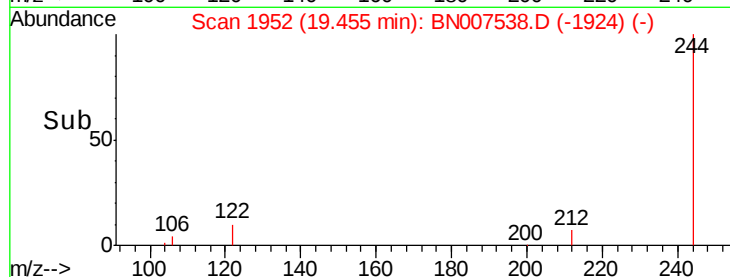
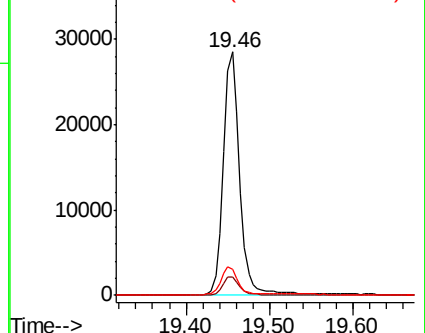
122 10.7 9.6 14.4



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: 0.373 ng

RT: 20.99 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

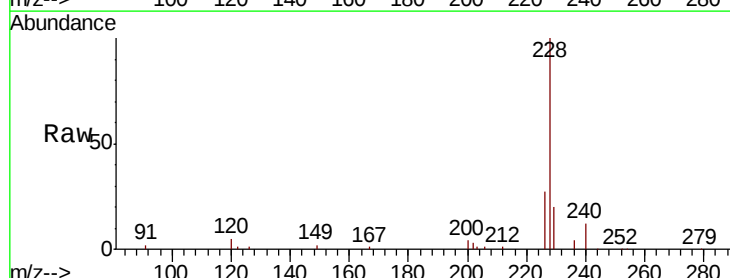
Tgt Ion:228 Resp: 52526

Ion Ratio Lower Upper

228 100

226 26.7 21.3 31.9

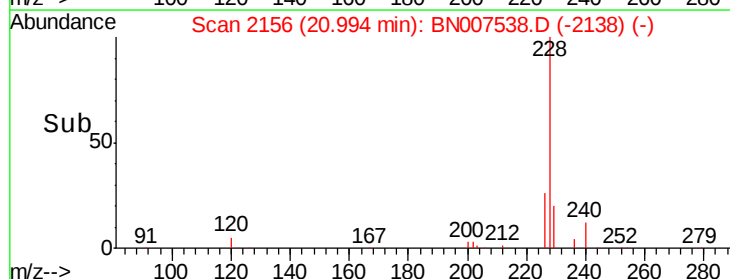
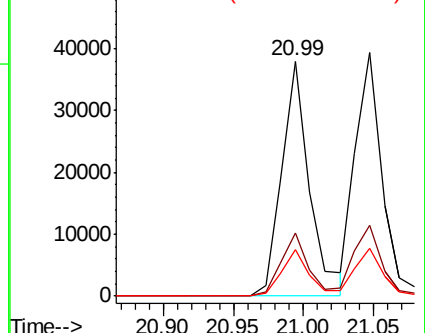
229 20.0 16.1 24.1

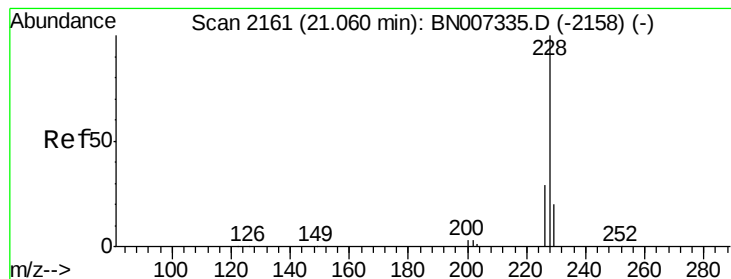


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.380 ng

RT: 21.05 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

Instrument :

BNA_N

ClientSampleId :

PB122822BSD

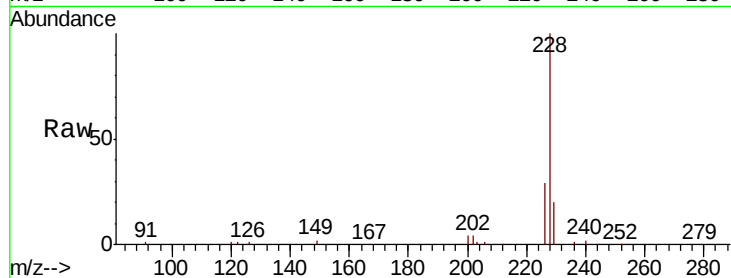
Tot Ion:228 Resp: 51698

Ion Ratio Lower Upper

228 100

226 28.9 23.5 35.3

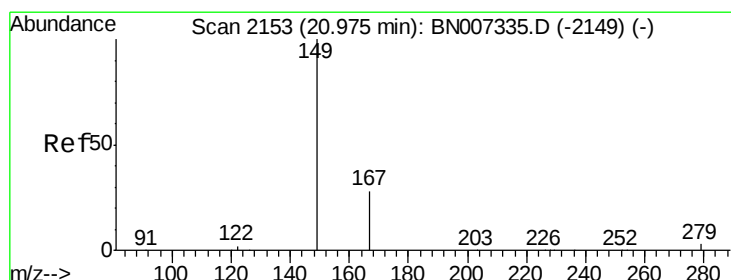
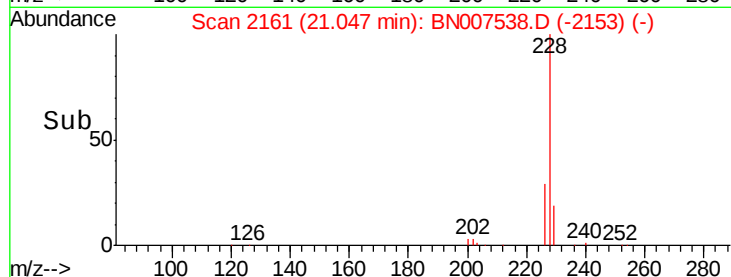
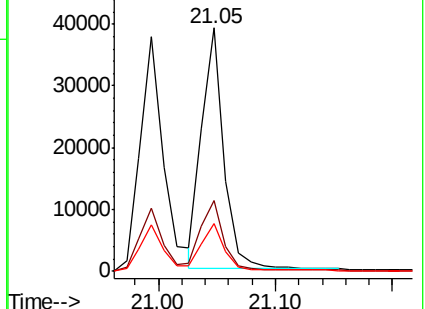
229 19.7 16.6 24.8



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: 0.272 ng

RT: 20.96 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

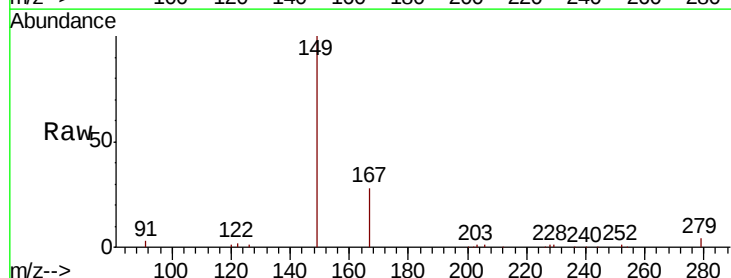
Tgt Ion:149 Resp: 26488

Ion Ratio Lower Upper

149 100

167 27.5 22.8 34.2

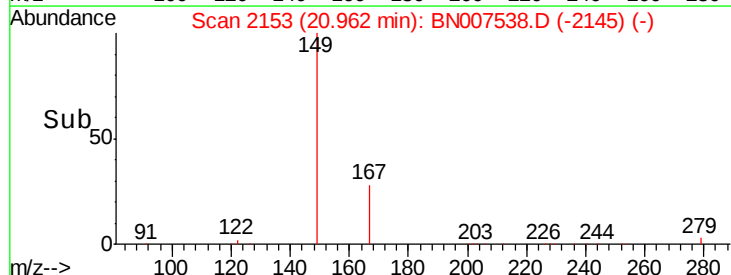
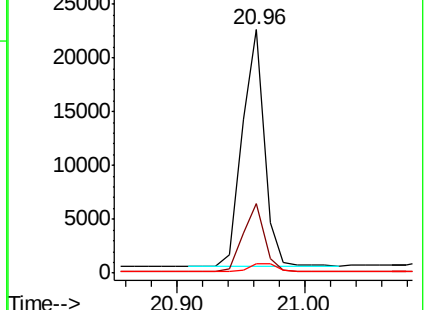
279 4.0 3.5 5.3



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

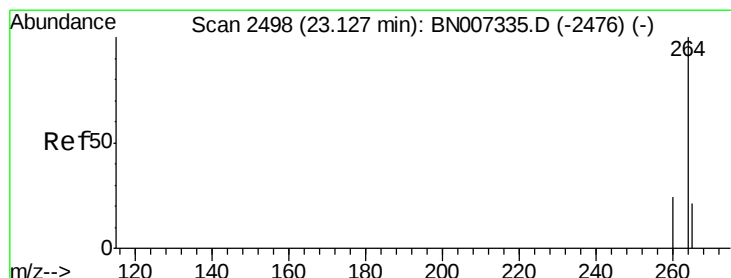
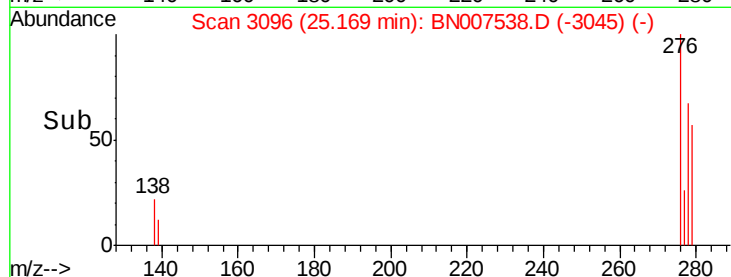
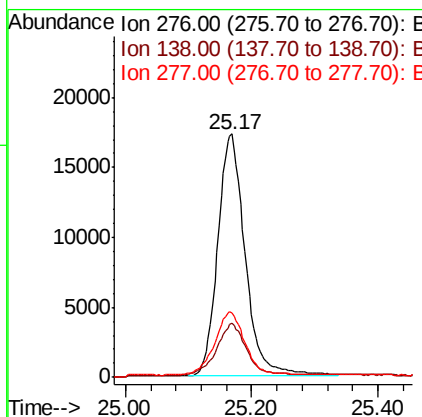
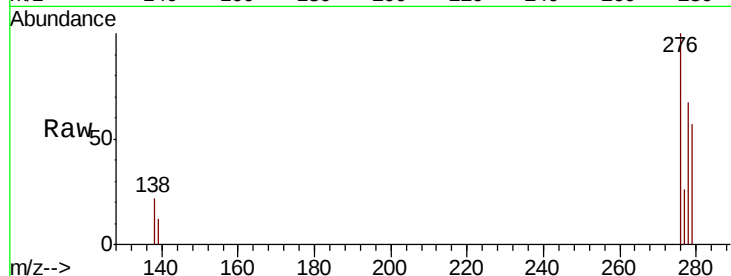




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.319 ng
 RT: 25.17 min Scan# 3096
 Delta R.T. -0.03 min
 Lab File: BN007538.D
 Acq: 05 Sep 2019 18:16

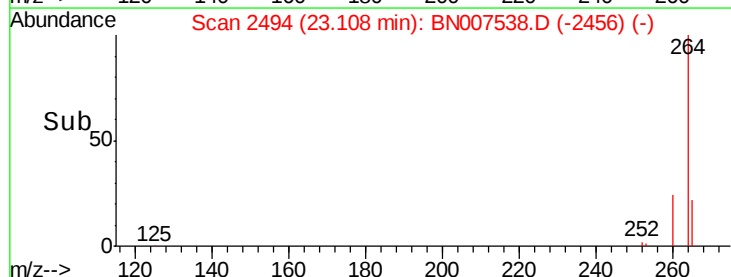
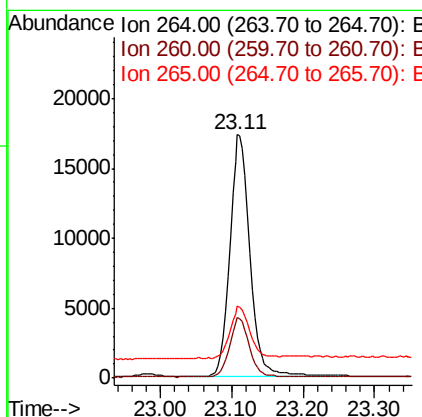
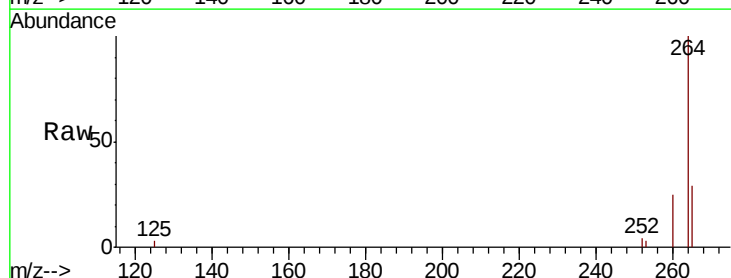
Instrument :
 BNA_N
 ClientSampleId :
 PB122822BSD

Tot Ion:276 Resp: 52225
 Ion Ratio Lower Upper
 276 100
 138 22.7 15.1 22.7
 277 28.4 19.7 29.5



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.11 min Scan# 2494
 Delta R.T. -0.02 min
 Lab File: BN007538.D
 Acq: 05 Sep 2019 18:16

Tgt Ion:264 Resp: 34006
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.7 29.5
 265 29.4 29.9 44.9#





#35

Benzo(b)fluoranthene

Concen: 0.406 ng

RT: 22.49 min Scan# 2314

Delta R.T. -0.02 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

Instrument :

BNA_N

ClientSampleId :

PB122822BSD

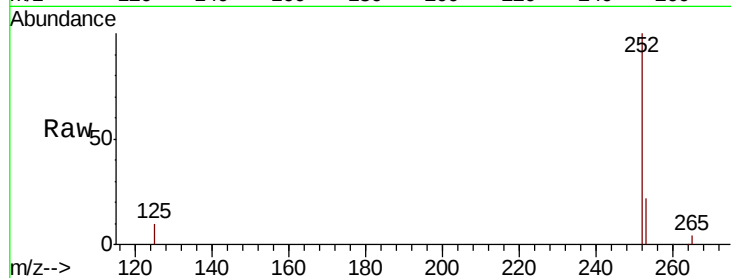
Tot Ion:252 Resp: 50059

Ion Ratio Lower Upper

252 100

253 22.4 19.2 28.8

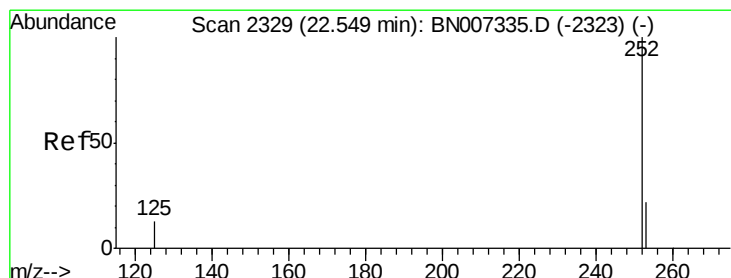
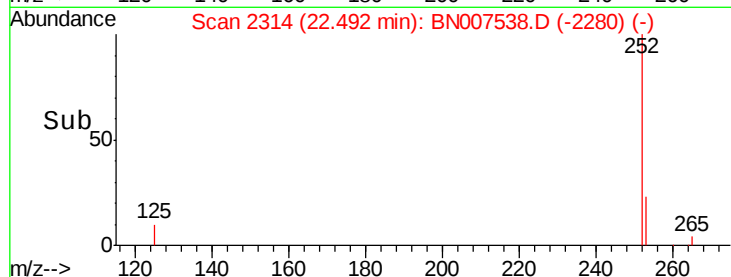
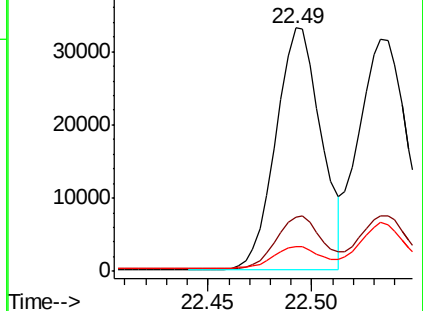
125 10.4 10.6 16.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.440 ng

RT: 22.53 min Scan# 2326

Delta R.T. -0.02 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

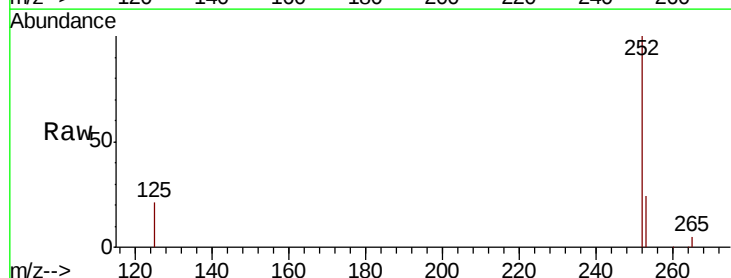
Tgt Ion:252 Resp: 53554

Ion Ratio Lower Upper

252 100

253 24.2 19.4 29.2

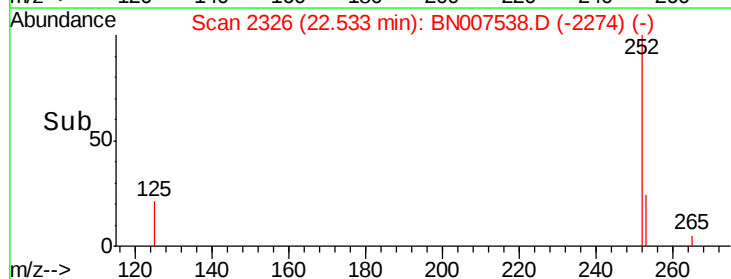
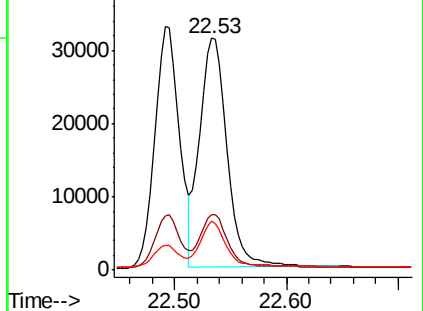
125 21.0 13.1 19.7#



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: 0.376 ng

RT: 23.02 min Scan# 2468

Delta R.T. -0.02 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

Instrument :

BNA_N

ClientSampleId :

PB122822BSD

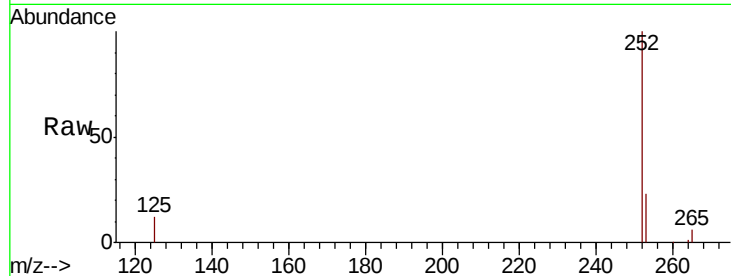
Tot Ion:252 Resp: 44119

Ion Ratio Lower Upper

252 100

253 23.1 19.5 29.3

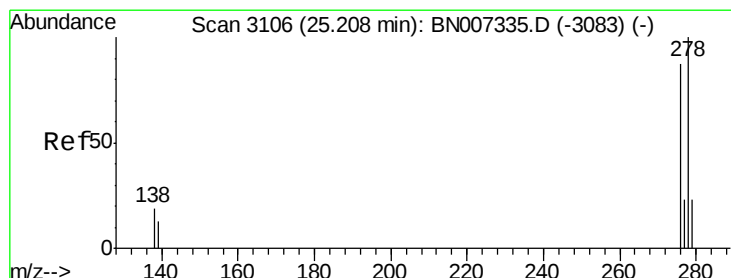
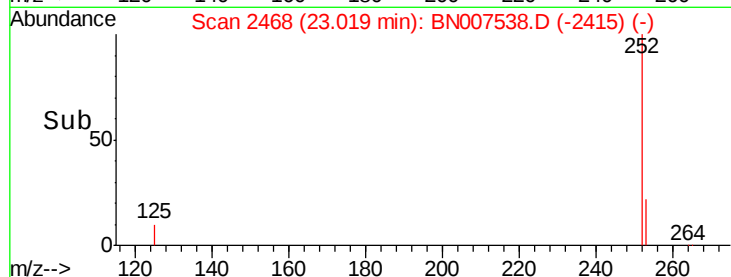
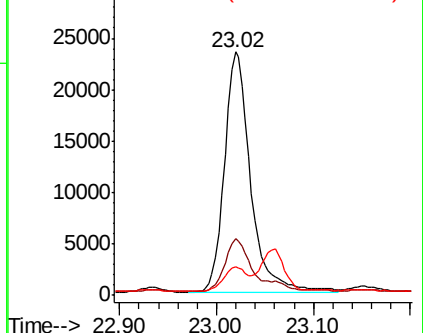
125 11.8 12.1 18.1#



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: 0.359 ng

RT: 25.18 min Scan# 3099

Delta R.T. -0.03 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

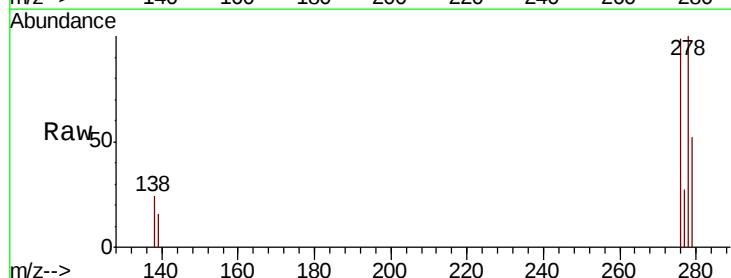
Tgt Ion:278 Resp: 42038

Ion Ratio Lower Upper

278 100

139 15.7 13.7 20.5

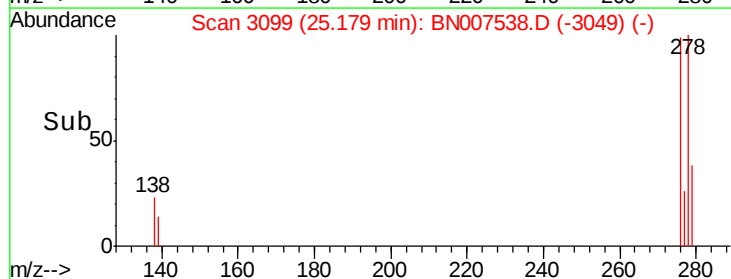
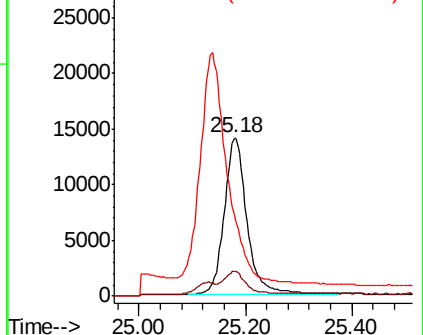
279 51.5 20.2 30.4#



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: 0.365 ng

RT: 25.79 min Scan# 3278

Delta R.T. -0.03 min

Lab File: BN007538.D

Acq: 05 Sep 2019 18:16

Instrument :

BNA_N

ClientSampleId :

PB122822BSD

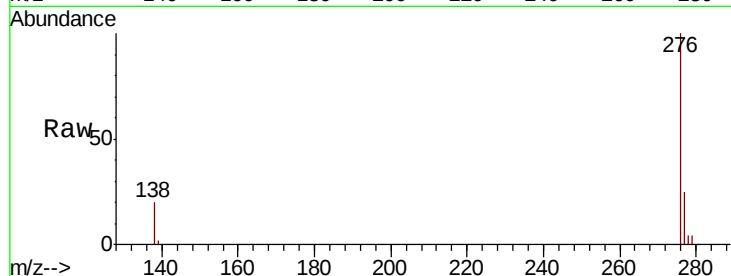
Tot Ion:276 Resp: 42574

Ion Ratio Lower Upper

276 100

277 24.5 19.6 29.4

138 20.1 16.3 24.5



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

