

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
 Data File : BN005949.D
 Acq On : 30 May 2019 02:02
 Operator : JU/SJ
 Sample : K2928-10
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 30 05:03:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 29 02:28:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	552013	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	2466772	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.38	164	1404643	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.14	188	2961064	20.00	ng/ul	0.02
77) Chrysene-d12	21.34	240	2004070	20.00	ng/ul	0.01
85) Perylene-d12	23.62	264	2177045	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	37109	2.96	ng/uL	0.00
5) Phenol-d5	6.91	99	780987	15.96	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.07	67	483413	17.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	645168	17.31	ng/ul	0.00
13) 4-Methylphenol-d8	8.44	113	617903	15.64	ng/ul	0.00
19) Nitrobenzene-d5	9.04	128	377	0.02	ng/ul	0.15
22) 2-Nitrophenol-d4	9.61	143	266205	18.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.14	165	622306	17.87	ng/ul	0.01
29) 4-Chloroaniline-d4	10.66	131	260164	5.70	ng/ul	0.01
43) Dimethylphthalate-d6	13.79	166	1911274	18.46	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	2384940	18.41	ng/ul	0.01
51) 4-Nitrophenol-d4	14.58	143	237503	12.60	ng/ul	0.02
57) Fluorene-d10	15.38	176	1649281	18.99	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.51	200	10363	0.86	ng/ul	0.03
70) Anthracene-d10	17.24	188	2342574	18.59	ng/ul	0.02
78) Pyrene-d10	19.54	212	2174101	21.48	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.48	264	1749931	18.01	ng/ul	0.03

Target Compounds

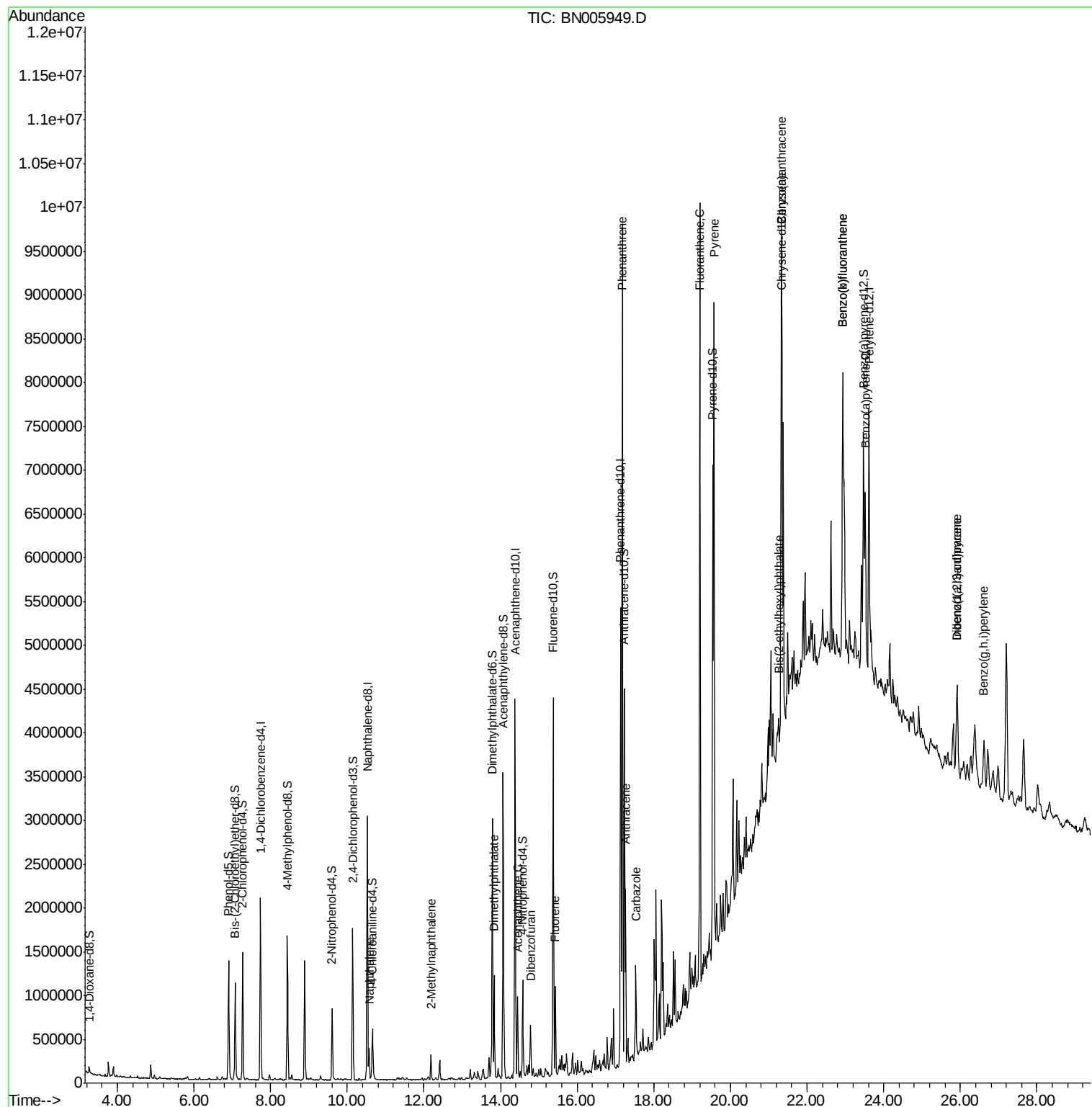
					Ovalue	
28) Naphthalene	10.57	128	274998	2.349	ng/ul	98
34) 2-Methylnaphthalene	12.19	142	132579	1.537	ng/ul	98
44) Dimethylphthalate	13.84	163	678562	6.556	ng/ul	100
49) Acenaphthene	14.45	153	349647	4.052	ng/ul	99
53) Dibenzofuran	14.78	168	299768	2.461	ng/ul	98
58) Fluorene	15.44	166	423870	4.430	ng/ul	96
69) Phenanthrene	17.18	178	5423585	36.968	ng/ul	98
71) Anthracene	17.26	178	1223121	8.212	ng/ul	99
74) Carbazole	17.54	167	628840	4.687	ng/ul	99
76) Fluoranthene	19.21	202	5309913	33.904	ng/ul	95
79) Pyrene	19.57	202	4487169	35.346	ng/ul#	95
82) Benzo(a)anthracene	21.32	228	2013498	15.983	ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.26	149	107275	1.297	ng/ul#	97
84) Chrysene	21.32	228	2045257	17.407	ng/ul	95
87) Benzo(b)fluoranthene	22.94	252	2095541	17.138	ng/ul#	94
88) Benzo(k)fluoranthene	22.94	252	2095541	18.639	ng/ul#	92
90) Benzo(a)pyrene	23.52	252	1448543	12.562	ng/ul#	93
91) Indeno(1,2,3-cd)pyrene	25.91	276	931237	6.882	ng/ul	96
92) Dibenzo(a,h)anthracene	25.92	278	272070	2.415	ng/ul#	80
93) Benzo(g,h,i)perylene	26.62	276	720692	6.324	ng/ul#	91

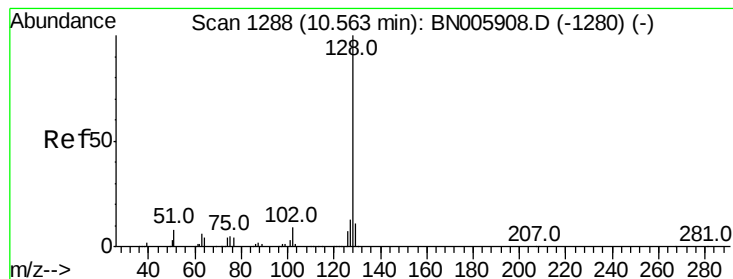
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed May 29 02:28:30 2019
Response via : Initial Calibration





#28

Naphthalene

Concen: 2.349 ng/ul

RT: 10.57 min Scan# 1261

Delta R.T. 0.01 min

Lab File: BN005949.D

Acq: 30 May 2019 02:02

Instrument :

BNA_N

ClientSampleId :

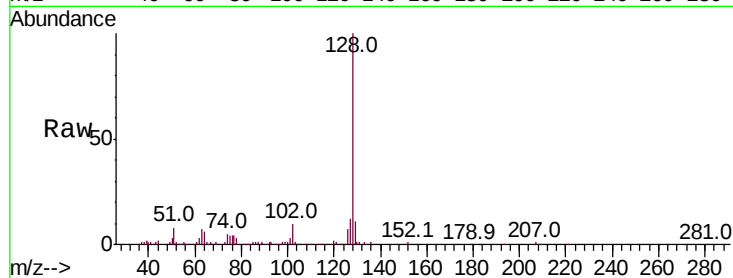
Tot Ion:128 Resp: 274998

Ion Ratio Lower Upper

128 100

129 11.0 9.2 13.8

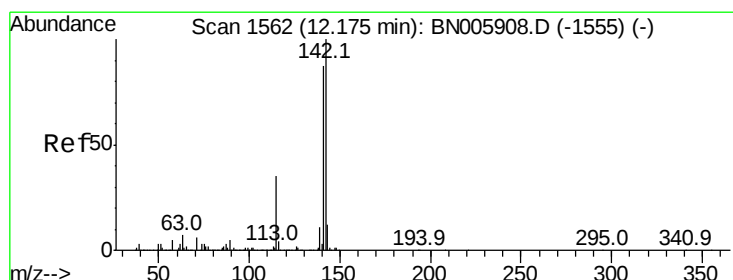
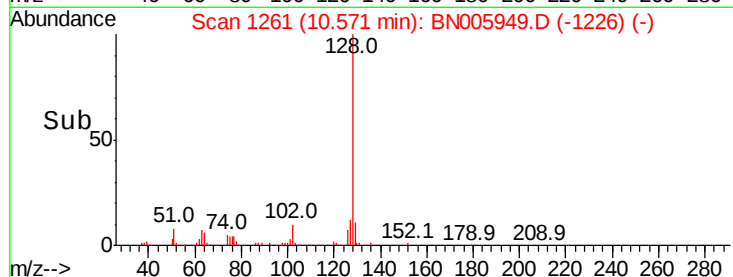
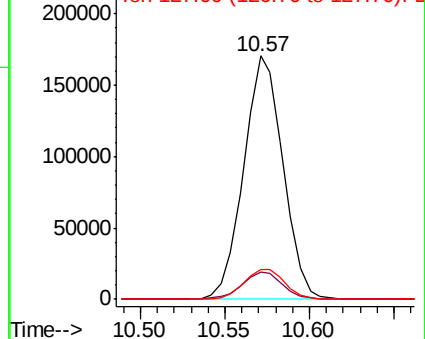
127 12.4 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 1.537 ng/ul

RT: 12.19 min Scan# 1536

Delta R.T. 0.01 min

Lab File: BN005949.D

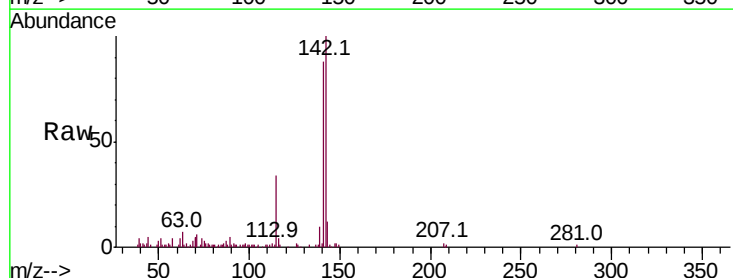
Acq: 30 May 2019 02:02

Tgt Ion:142 Resp: 132579

Ion Ratio Lower Upper

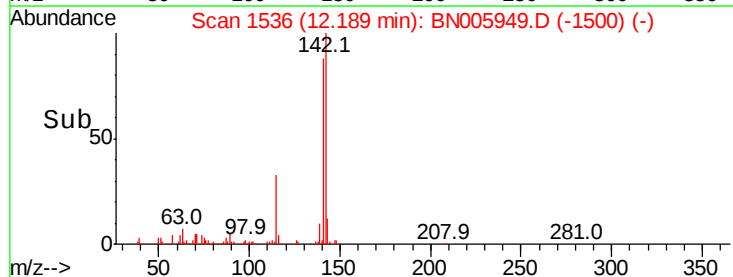
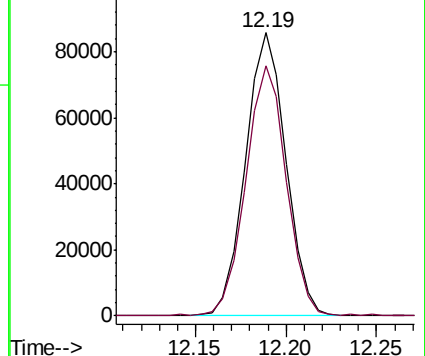
142 100

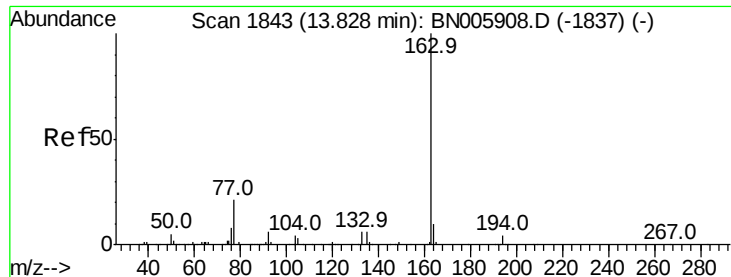
141 88.3 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

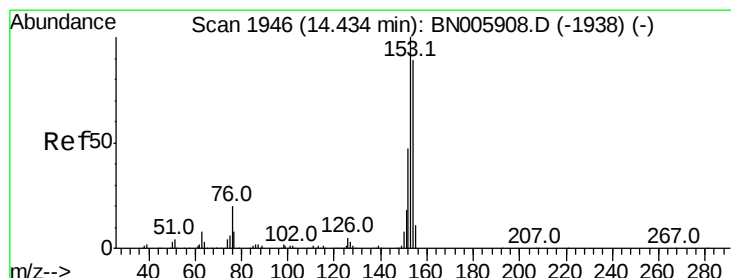
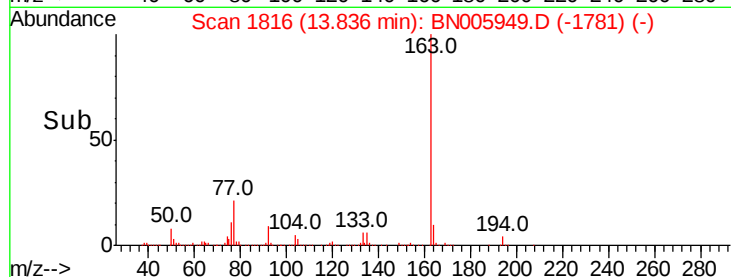
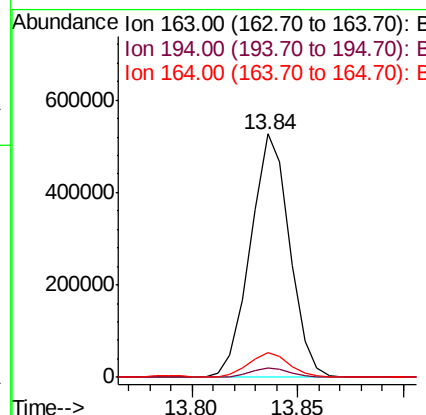
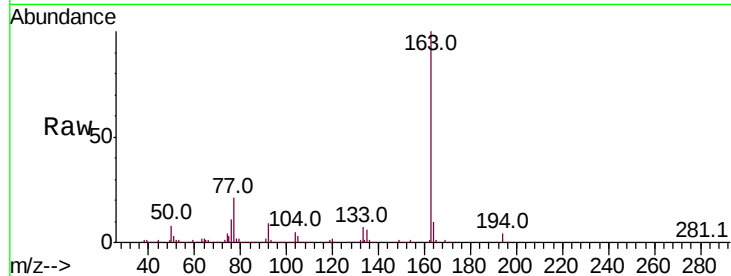




#44
Dimethylphthalate
Concen: 6.556 ng/ul
RT: 13.84 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BN005949.D
Acq: 30 May 2019 02:02

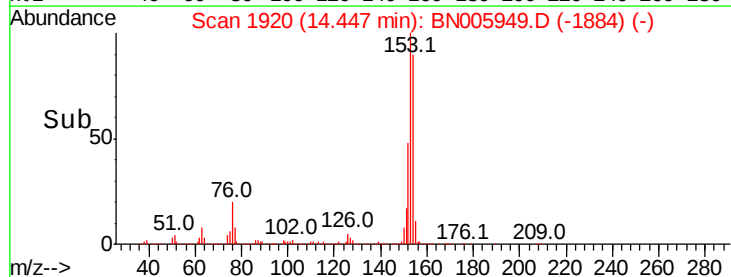
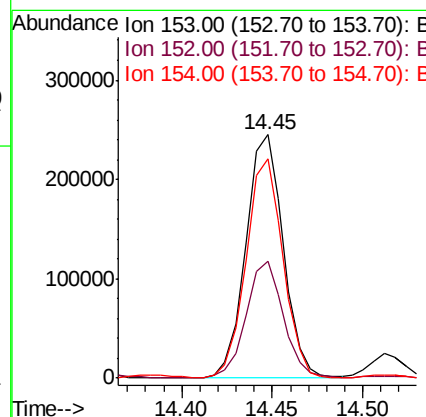
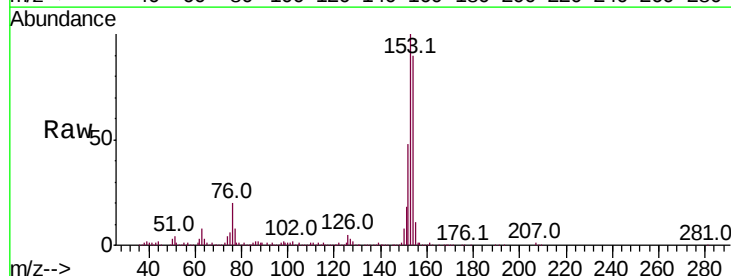
Instrument :
BNA_N
ClientSampleId :

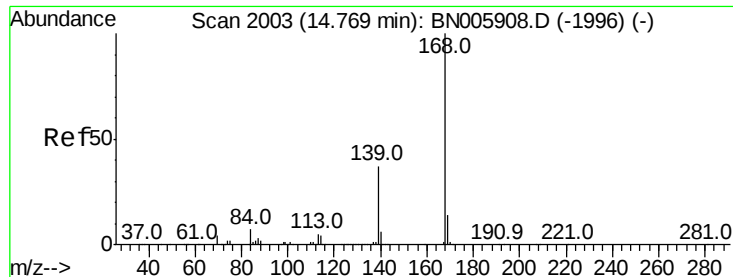
Tot Ion:163 Resp: 678562
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 10.0 8.1 12.1



#49
Acenaphthene
Concen: 4.052 ng/ul
RT: 14.45 min Scan# 1920
Delta R.T. 0.01 min
Lab File: BN005949.D
Acq: 30 May 2019 02:02

Tgt Ion:153 Resp: 349647
Ion Ratio Lower Upper
153 100
152 47.9 37.4 56.0
154 90.2 71.2 106.8





#53

Dibenzenofuran

Concen: 2.461 ng/ul

RT: 14.78 min Scan# 1977

Delta R.T. 0.01 min

Lab File: BN005949.D

Acq: 30 May 2019 02:02

Instrument :

BNA_N

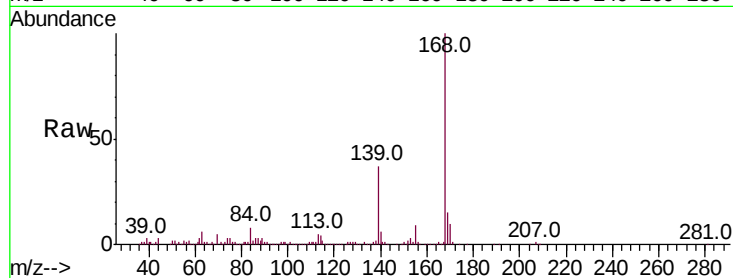
ClientSampled :

Tot Ion:168 Resp: 299768

Ion Ratio Lower Upper

168 100

139 37.4 30.9 46.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

250000

200000

150000

100000

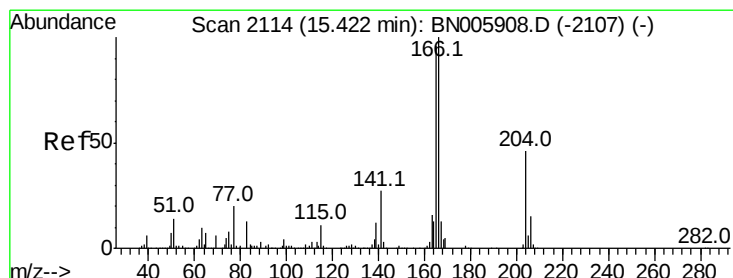
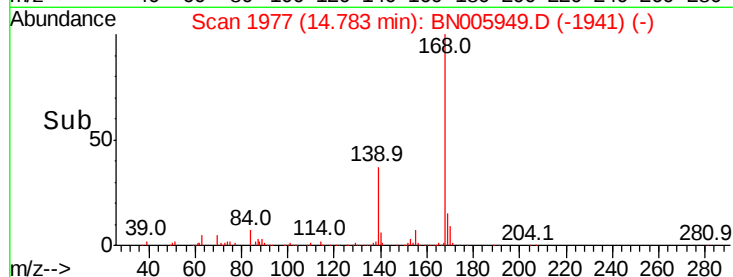
50000

0

14.75

14.80

Time-->



#58

Fluorene

Concen: 4.430 ng/ul

RT: 15.44 min Scan# 2088

Delta R.T. 0.01 min

Lab File: BN005949.D

Acq: 30 May 2019 02:02

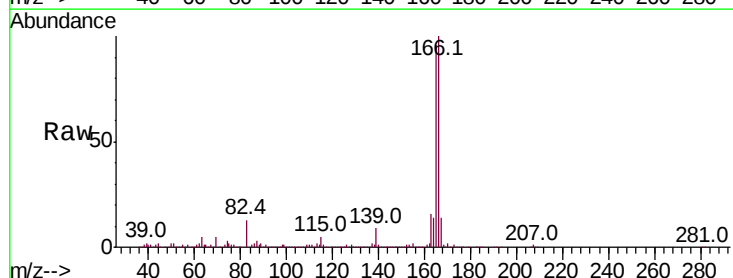
Tgt Ion:166 Resp: 423870

Ion Ratio Lower Upper

166 100

165 96.0 80.0 120.0

167 13.6 10.7 16.1



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

400000

300000

200000

100000

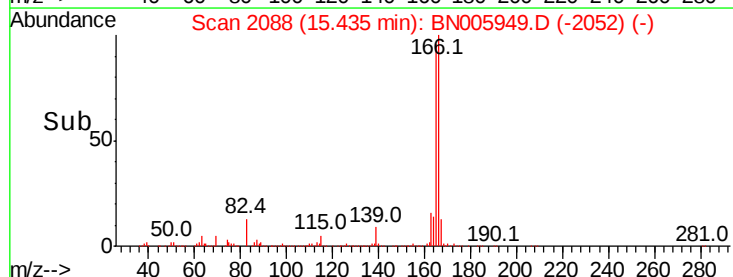
0

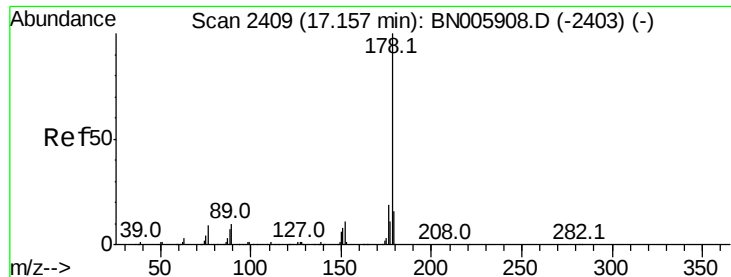
15.40

15.45

15.50

Time-->





#69

Phenanthrene

Concen: 36.968 ng/ul

RT: 17.18 min Scan# 2384

Delta R.T. 0.02 min

Lab File: BN005949.D

Acq: 30 May 2019 02:02

Instrument :

BNA_N

ClientSampleId :

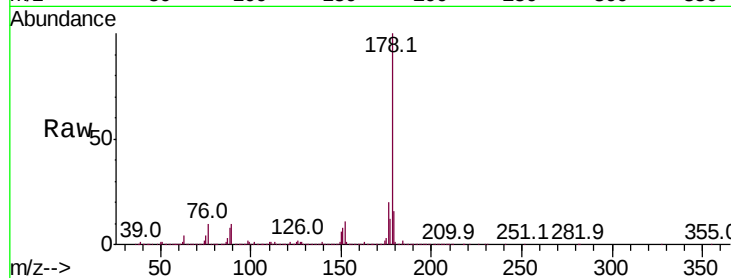
Tot Ion:178 Resp: 5423585

Ion Ratio Lower Upper

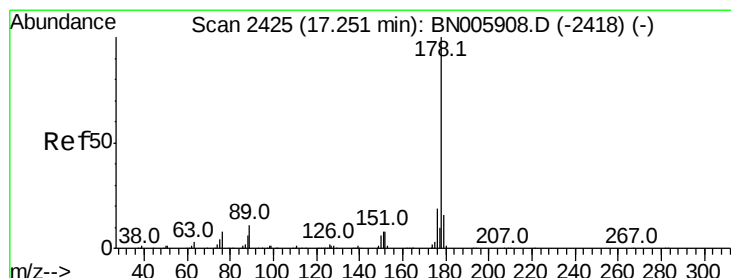
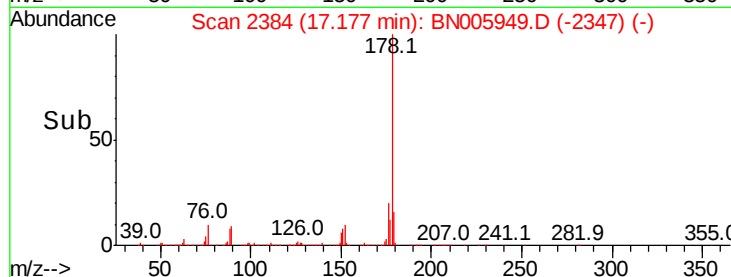
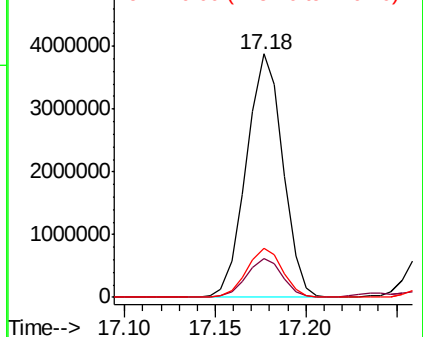
178 100

179 16.0 12.2 18.4

176 19.9 15.1 22.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 8.212 ng/ul

RT: 17.26 min Scan# 2399

Delta R.T. 0.01 min

Lab File: BN005949.D

Acq: 30 May 2019 02:02

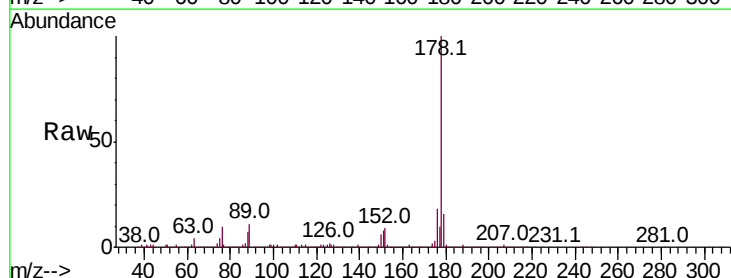
Tgt Ion:178 Resp: 1223121

Ion Ratio Lower Upper

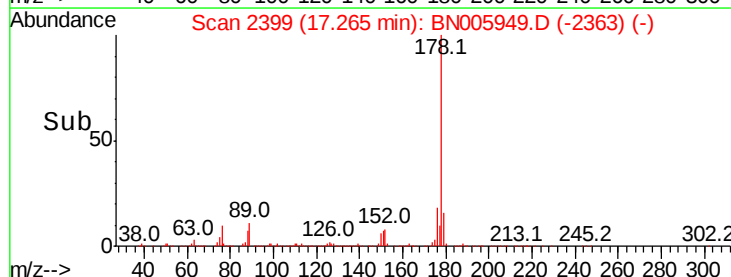
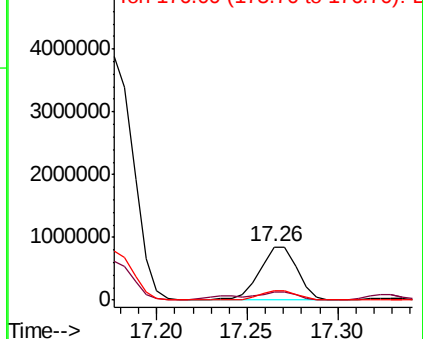
178 100

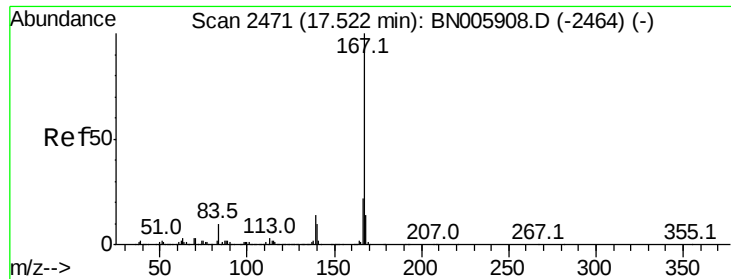
179 15.7 12.3 18.5

176 18.5 15.1 22.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 4.687 ng/ul

RT: 17.54 min Scan# 2445

Delta R.T. 0.01 min

Lab File: BN005949.D

Acq: 30 May 2019 02:02

Instrument :

BNA_N

ClientSampleId :

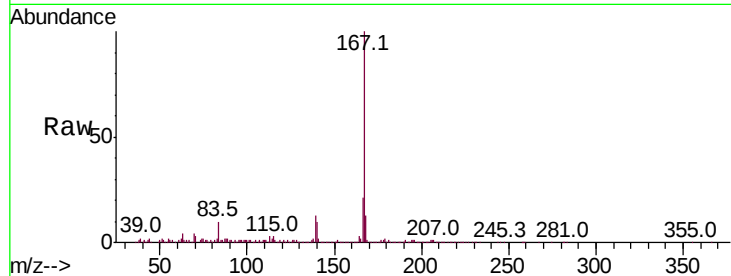
Tot Ion:167 Resp: 628840

Ion Ratio Lower Upper

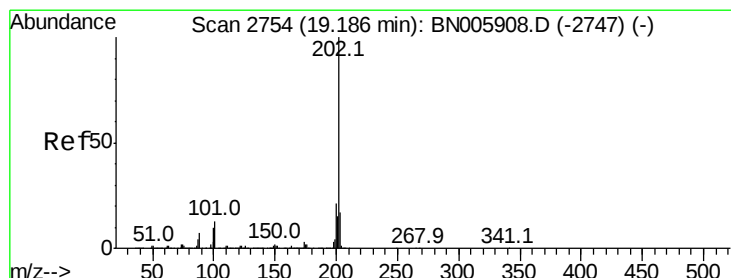
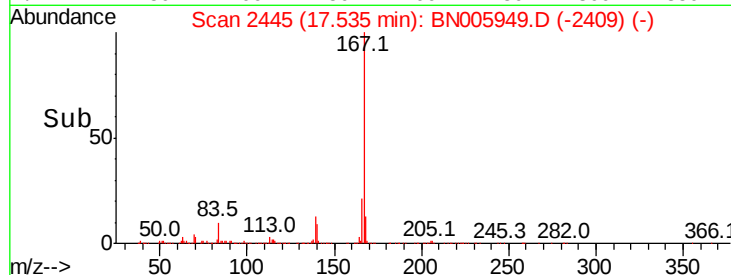
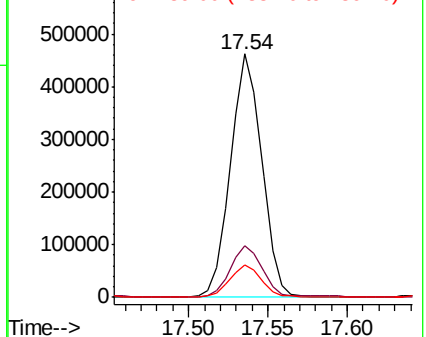
167 100

166 21.1 17.2 25.8

139 13.4 10.6 16.0



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 33.904 ng/ul

RT: 19.21 min Scan# 2729

Delta R.T. 0.02 min

Lab File: BN005949.D

Acq: 30 May 2019 02:02

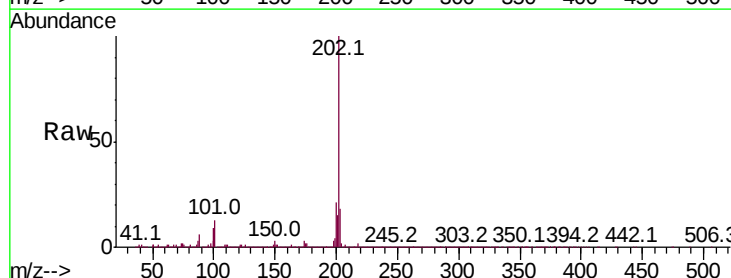
Tgt Ion:202 Resp: 5309913

Ion Ratio Lower Upper

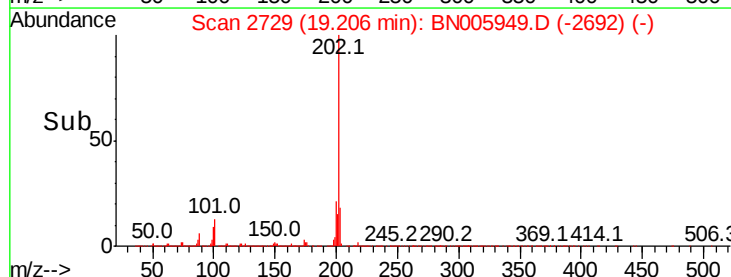
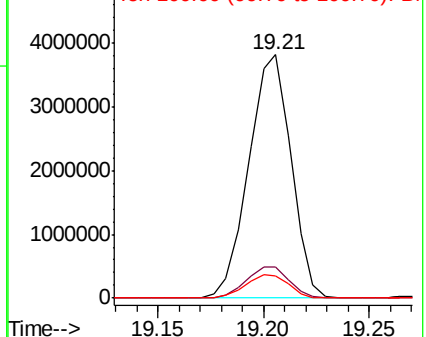
202 100

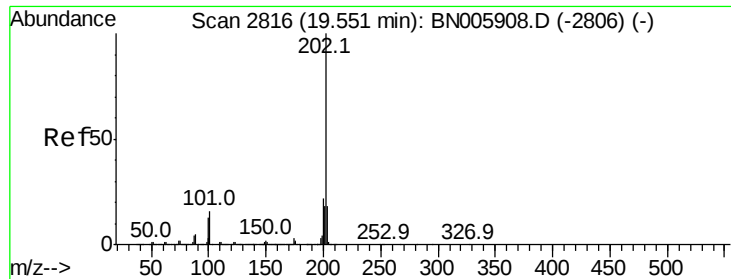
101 12.8 8.6 12.8

100 9.4 6.3 9.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





#79

Pvrene

Concen: 35.346 ng/ul

RT: 19.57 min Scan# 2791

Delta R.T. 0.02 min

Lab File: BN005949.D

Acq: 30 May 2019 02:02

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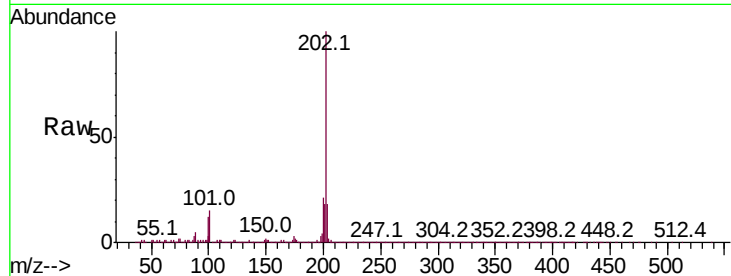
Tot Ion:202 Resp: 4487169

Ion Ratio Lower Upper

202 100

101 14.7 10.3 15.5

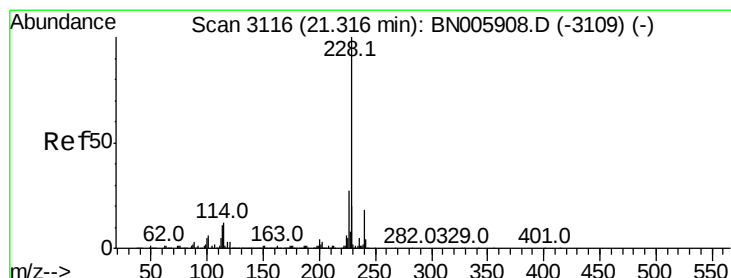
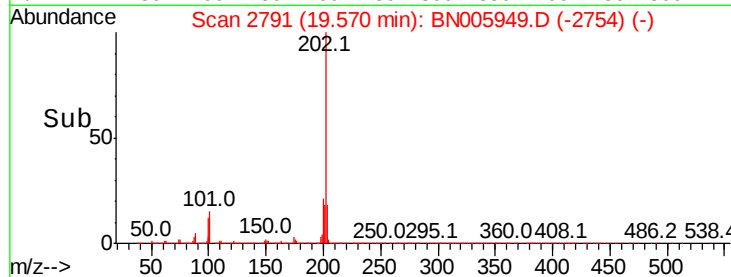
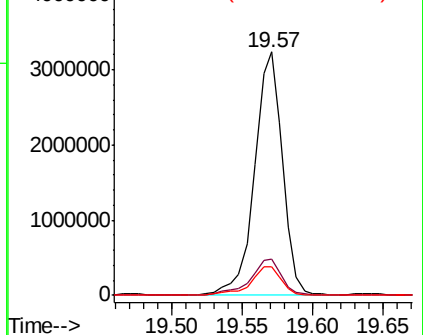
100 11.9 7.9 11.9#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#82

Benzo(a)anthracene

Concen: 15.983 ng/ul

RT: 21.32 min Scan# 3089

Delta R.T. 0.01 min

Lab File: BN005949.D

Acq: 30 May 2019 02:02

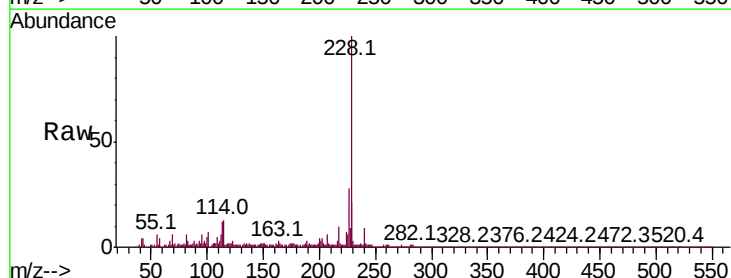
Tgt Ion:228 Resp: 2013498

Ion Ratio Lower Upper

228 100

229 21.3 15.8 23.6

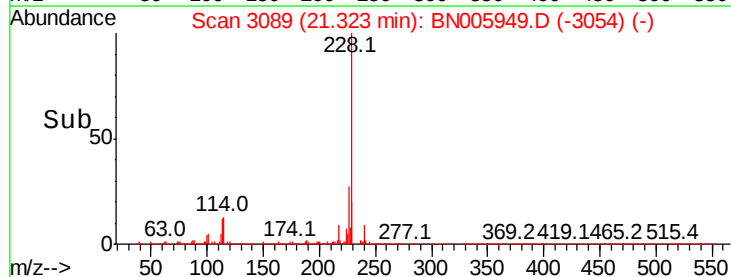
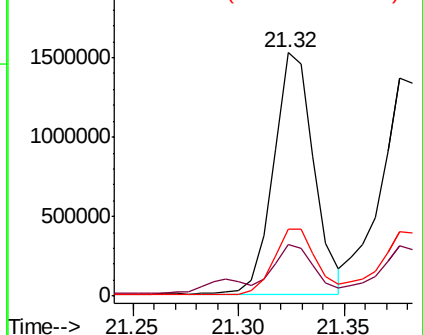
226 27.6 21.4 32.2

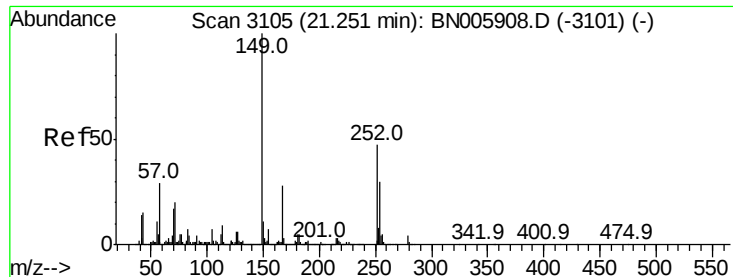


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

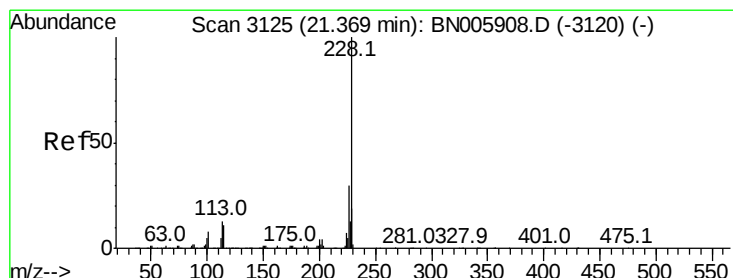
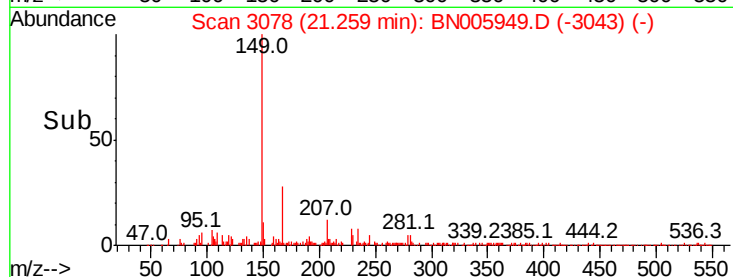
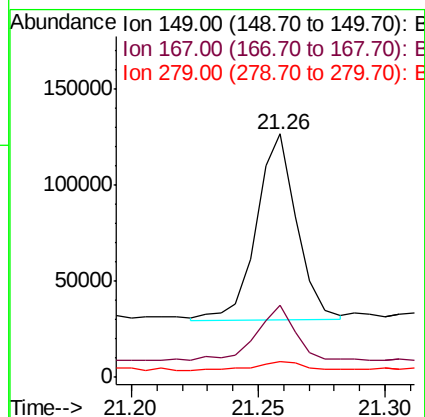
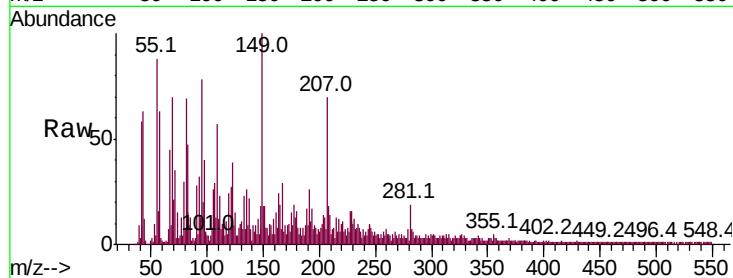




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.297 ng/ul
 RT: 21.26 min Scan# 3078
 Delta R.T. 0.01 min
 Lab File: BN005949.D
 Acq: 30 May 2019 02:02

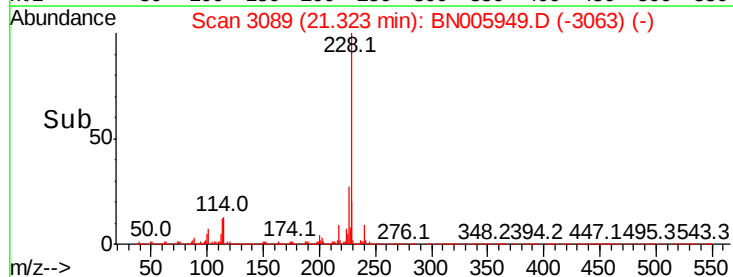
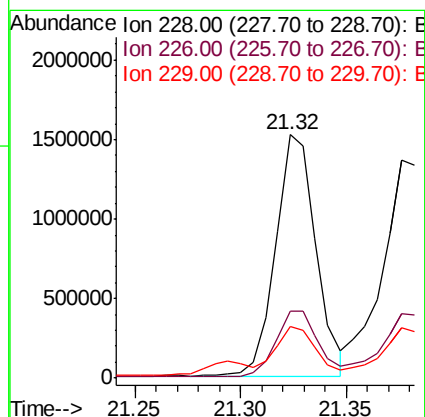
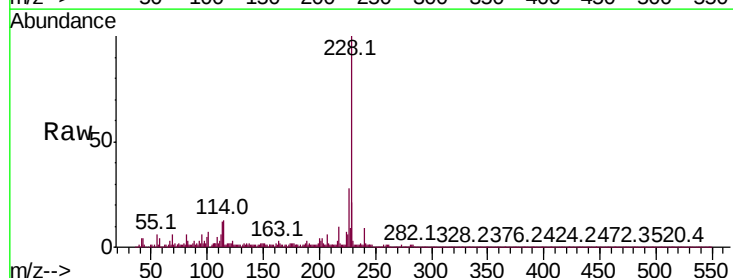
Instrument :
 BNA_N
 ClientSampleId :

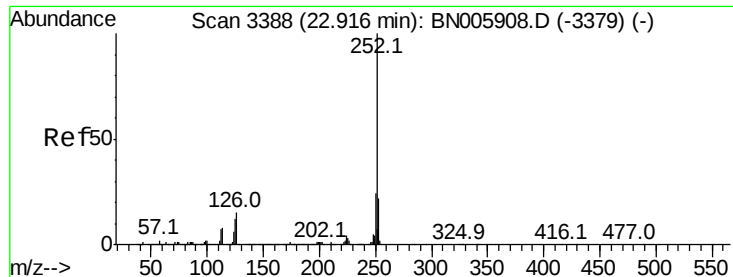
Tot Ion:149 Resp: 107275
 Ion Ratio Lower Upper
 149 100
 167 29.4 22.3 33.5
 279 6.7 3.3 4.9#



#84
 Chrysene
 Concen: 17.407 ng/ul
 RT: 21.32 min Scan# 3089
 Delta R.T. -0.05 min
 Lab File: BN005949.D
 Acq: 30 May 2019 02:02

Tgt Ion:228 Resp: 2045257
 Ion Ratio Lower Upper
 228 100
 226 27.6 24.0 36.0
 229 21.3 15.4 23.0





#87

Benzo(b)fluoranthene

Concen: 17.138 ng/ul

RT: 22.94 min Scan# 3363

Delta R.T. 0.02 min

Lab File: BN005949.D

Acq: 30 May 2019 02:02

Instrument :

BNA_N

ClientSampled :

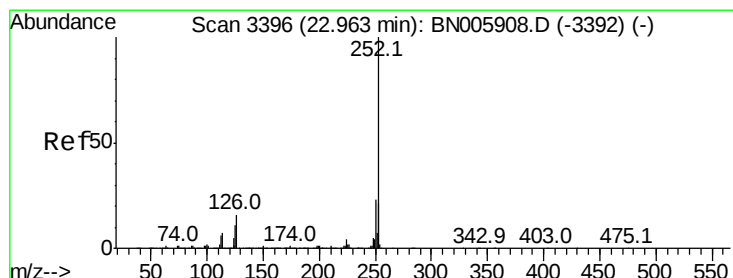
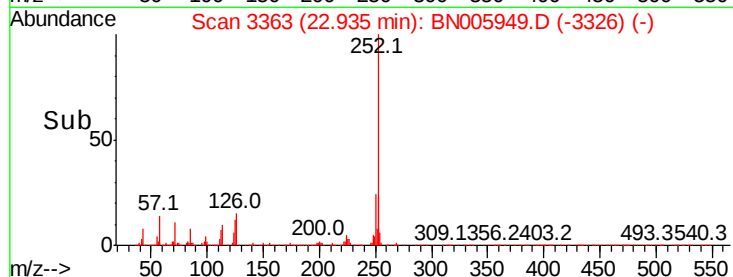
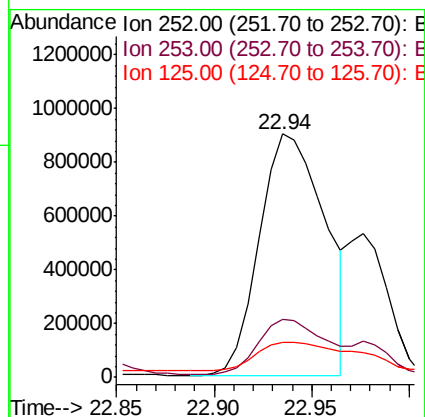
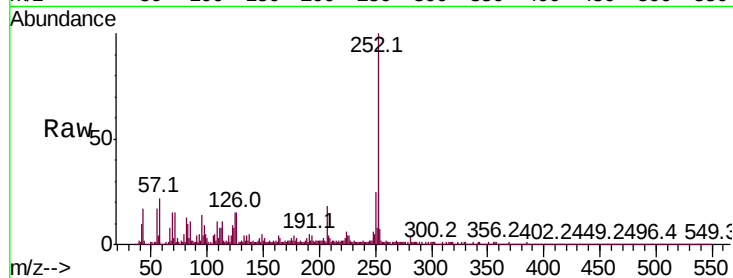
Tot Ion:252 Resp: 2095541

Ion Ratio Lower Upper

252 100

253 24.1 17.7 26.5

125 14.6 8.4 12.6#



#88

Benzo(k)fluoranthene

Concen: 18.639 ng/ul

RT: 22.94 min Scan# 3363

Delta R.T. -0.03 min

Lab File: BN005949.D

Acq: 30 May 2019 02:02

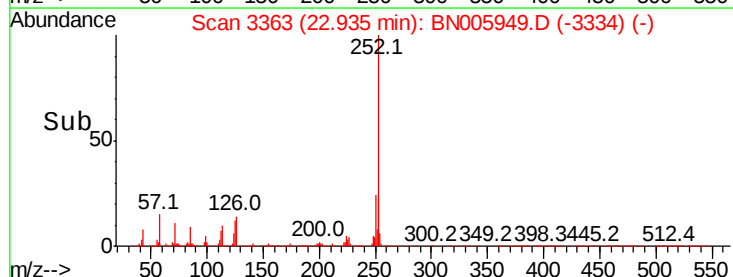
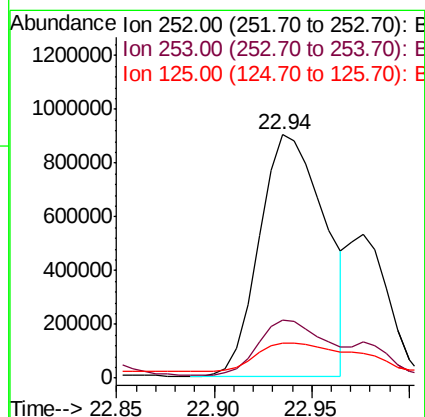
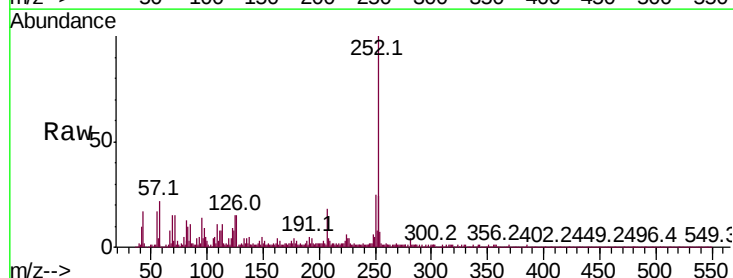
Tgt Ion:252 Resp: 2095541

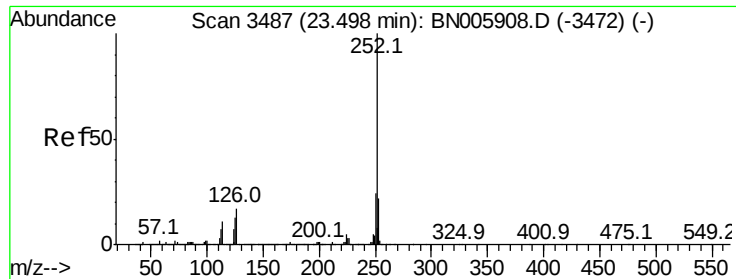
Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.0

125 14.6 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 12.562 ng/ul

RT: 23.52 min Scan# 3463

Delta R.T. 0.03 min

Lab File: BN005949.D

Acq: 30 May 2019 02:02

Instrument :

BNA_N

ClientSampled :

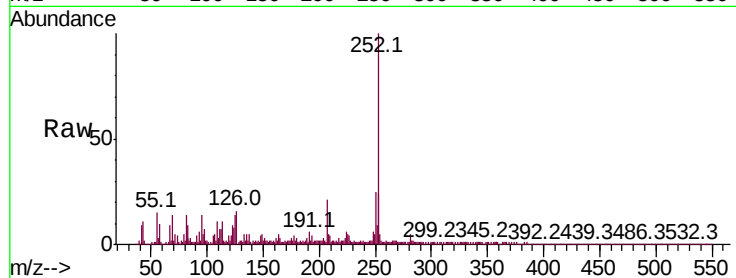
Tot Ion:252 Resp: 1448543

Ion Ratio Lower Upper

252 100

253 24.3 17.3 25.9

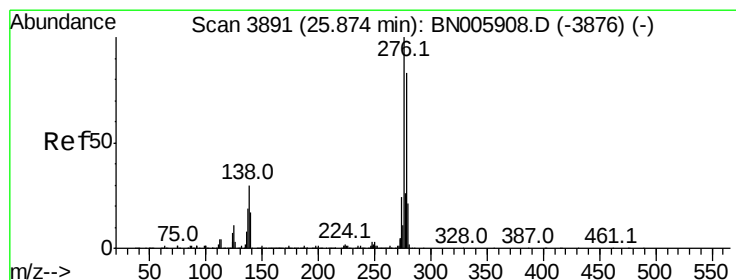
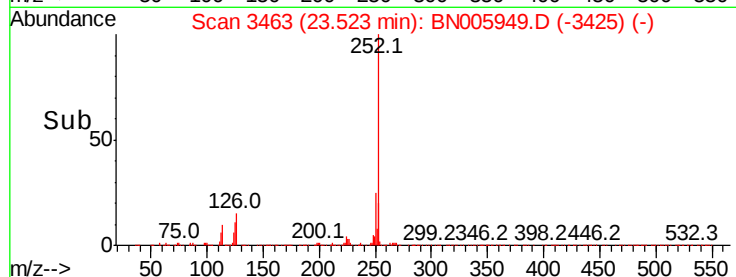
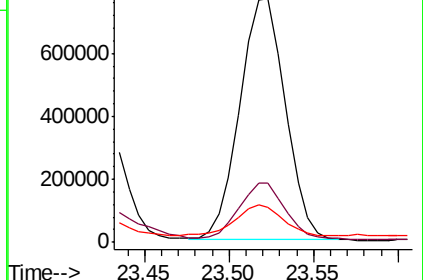
125 14.5 8.6 13.0#



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 6.882 ng/ul

RT: 25.91 min Scan# 3869

Delta R.T. 0.04 min

Lab File: BN005949.D

Acq: 30 May 2019 02:02

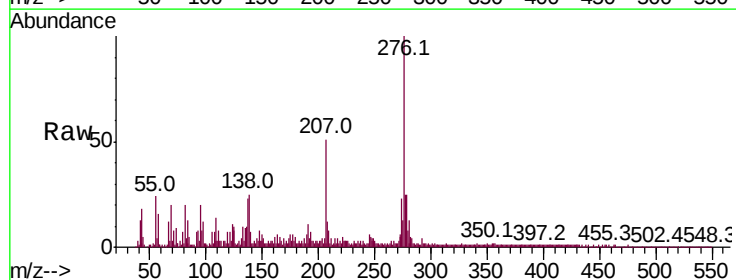
Tgt Ion:276 Resp: 931237

Ion Ratio Lower Upper

276 100

138 25.4 17.9 26.9

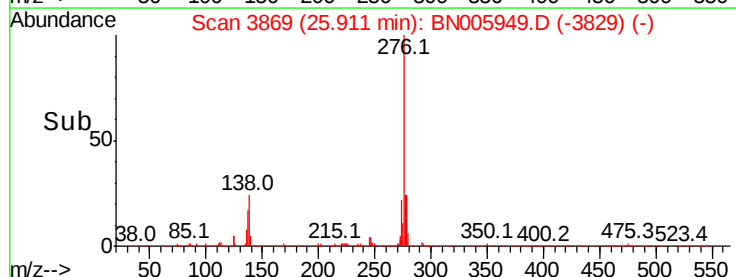
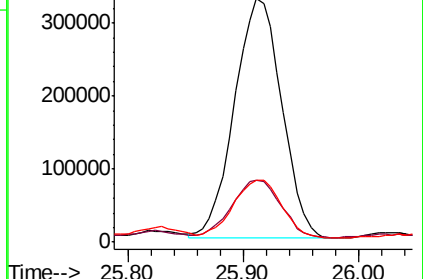
277 25.4 19.7 29.5

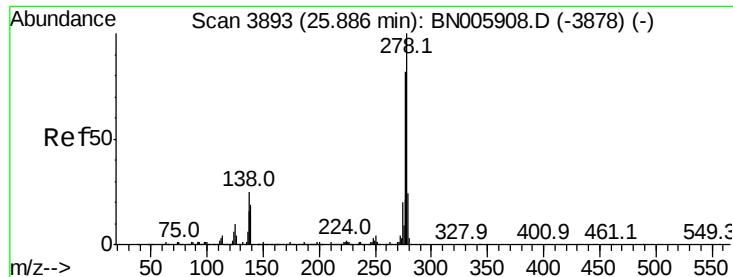


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

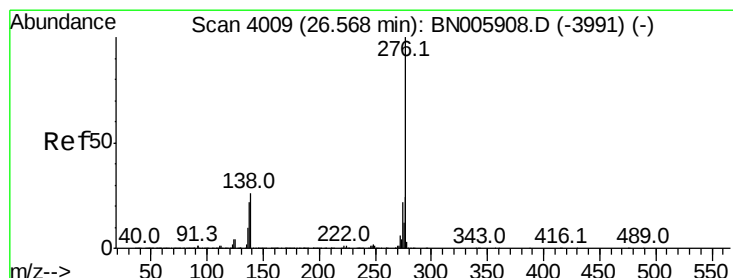
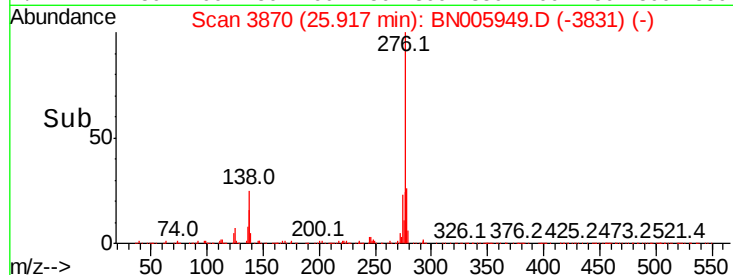
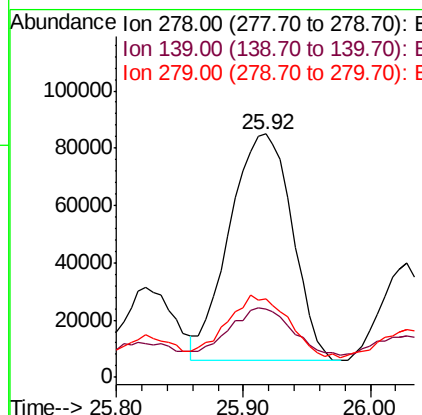
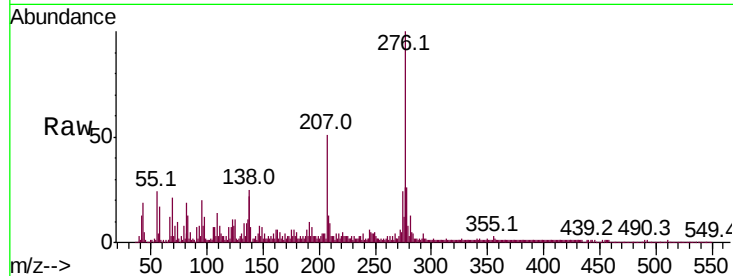




#92
Dibenzo(a,h)anthracene
Concen: 2.415 ng/ul
RT: 25.92 min Scan# 3870
Delta R.T. 0.03 min
Lab File: BN005949.D
Acq: 30 May 2019 02:02

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 272070
Ion Ratio Lower Upper
278 100
139 27.8 13.1 19.7#
279 32.1 19.4 29.0#



#93
Benzo(g,h,i)perylene
Concen: 6.324 ng/ul
RT: 26.62 min Scan# 3990
Delta R.T. 0.05 min
Lab File: BN005949.D
Acq: 30 May 2019 02:02

Tgt Ion:276 Resp: 720692
Ion Ratio Lower Upper
276 100
138 26.2 16.7 25.1#
277 25.7 18.2 27.2

