

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020320\
 Data File : BN009549.D
 Acq On : 04 Feb 2020 03:34
 Operator : CG/JU
 Sample : L1271-10DL 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 04 04:06:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 04 02:55:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	163356	20.00	ng/ul	0.00
18) Naphthalene-d8	10.19	136	701458	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.08	164	439974	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	924662	20.00	ng/ul	0.00
77) Chrysene-d12	21.04	240	829548	20.00	ng/ul	0.00
85) Perylene-d12	23.15	264	899348	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	899	0.23	ng/uL	0.02
5) Phenol-d5	6.65	99	17461	1.23	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	15044	1.57	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	15056	1.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	11523	1.02	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	8373	1.60	ng/ul	0.00
22) 2-Nitrophenol-d4	9.30	143	7030	1.21	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.84	165	13379	1.23	ng/ul	0.01
29) 4-Chloroaniline-d4	10.36	131	17148	1.46	ng/ul	0.02
43) Dimethylphthalate-d6	13.50	166	60931	1.90	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	61979	1.60	ng/ul	0.00
51) 4-Nitrophenol-d4	14.30	143	1813	0.30	ng/ul	0.00
57) Fluorene-d10	15.08	176	52545	1.86	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	3732	0.65	ng/ul	0.01
70) Anthracene-d10	16.83	188	924662	22.01	ng/ul	-0.10
78) Pyrene-d10	19.23	212	84932	1.95	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.02	264	76592	1.73	ng/ul	0.00

Target Compounds

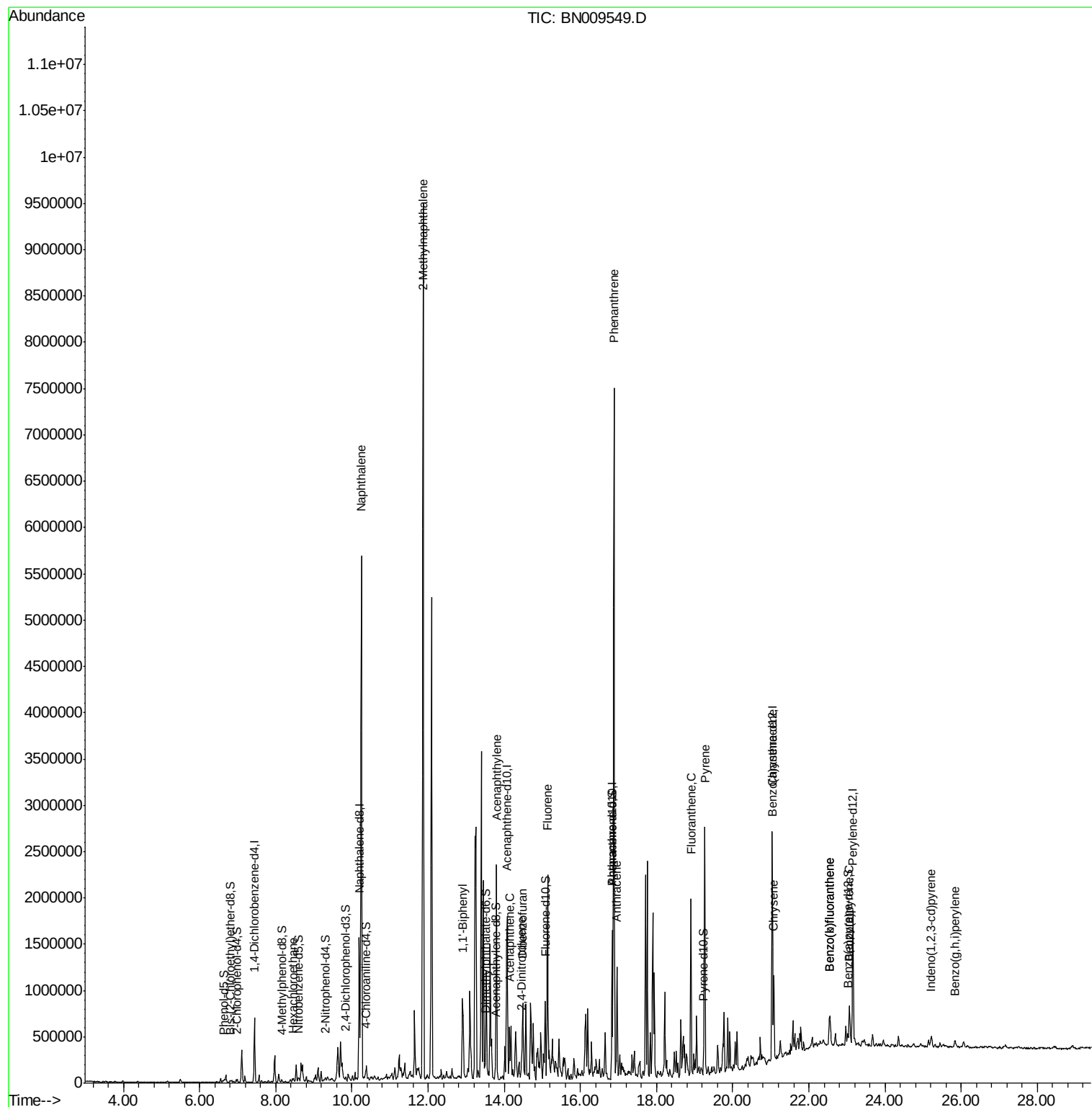
					Ovalue	
17) Hexachloroethane	8.46	117	12985	2.633	ng/ul#	8
28) Naphthalene	10.25	128	3959897	104.100	ng/ul	100
34) 2-Methylnaphthalene	11.87	142	4149318	155.869	ng/ul	100
40) 1,1'-Biphenyl	12.90	154	381291	11.131	ng/ul	99
47) Acenaphthylene	13.79	152	1196688	28.178	ng/ul	98
49) Acenaphthene	14.14	153	165153	5.720	ng/ul	98
53) Dibenzofuran	14.48	168	179812	4.472	ng/ul	88
54) 2,4-Dinitrotoluene	14.46	165	15068	1.544	ng/ul#	61
58) Fluorene	15.14	166	941426	28.019	ng/ul	97
69) Phenanthrene	16.88	178	4495663	85.254	ng/ul	100
71) Anthracene	16.96	178	668570	12.495	ng/ul	99
76) Fluoranthene	18.90	202	1007515	16.740	ng/ul	100
79) Pyrene	19.27	202	1594661	26.333	ng/ul	99
82) Benzo(a)anthracene	21.03	228	531173	9.274	ng/ul	94
84) Chrysene	21.08	228	470090	8.244	ng/ul	99
87) Benzo(b)fluoranthene	22.54	252	335268	5.958	ng/ul	94
88) Benzo(k)fluoranthene	22.54	252	335851	6.061	ng/ul	94
90) Benzo(a)pyrene	23.06	252	262769	5.040	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.22	276	94063	1.518	ng/ul	97
93) Benzo(g,h,i)perylene	25.84	276	73258	1.410	ng/ul#	91

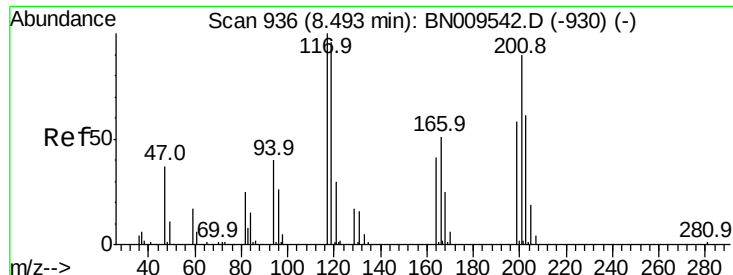
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#17

Hexachloroethane

Concen: 2.633 ng/ul

RT: 8.46 min Scan# 931

Delta R.T. -0.04 min

Lab File: BN009549.D

Acq: 04 Feb 2020 03:34

Instrument :

BNA_N

ClientSampleId :

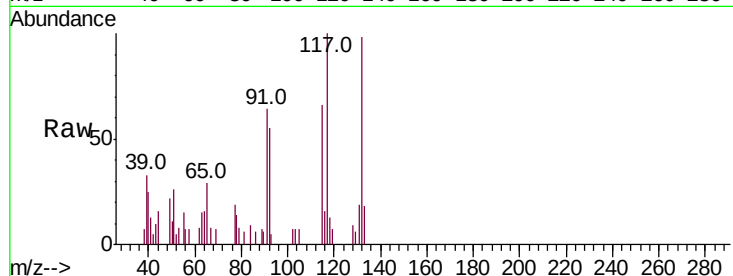
Tot Ion:117 Resp: 12985

Ion Ratio Lower Upper

117 100

201 0.0 78.8 118.2#

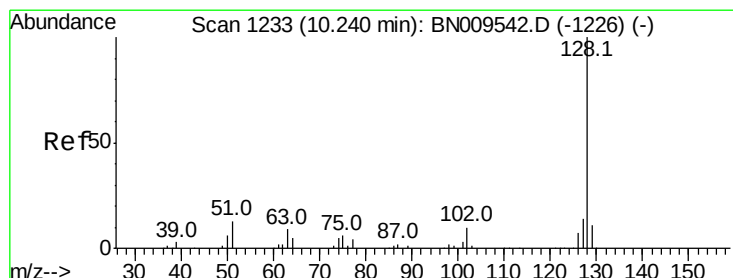
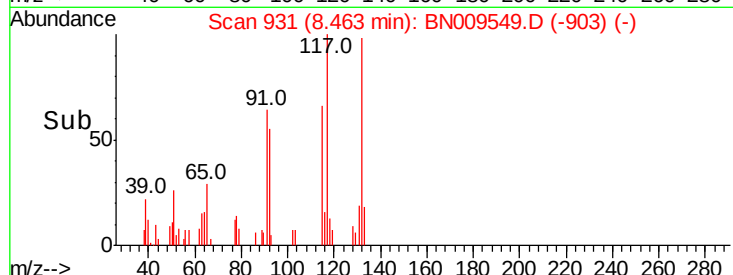
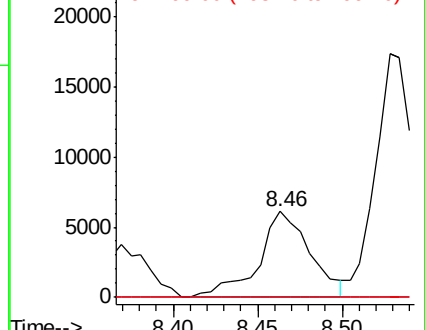
199 0.0 49.0 73.4#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#28

Naphthalene

Concen: 104.100 ng/ul

RT: 10.25 min Scan# 1234

Delta R.T. 0.00 min

Lab File: BN009549.D

Acq: 04 Feb 2020 03:34

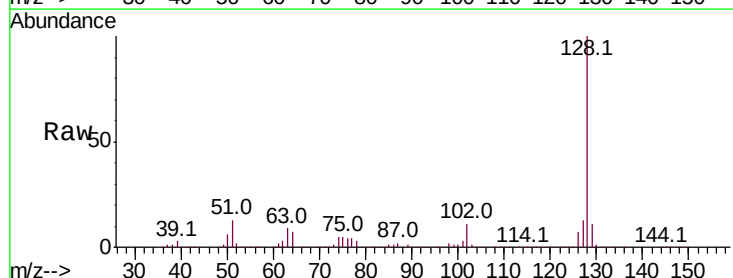
Tgt Ion:128 Resp: 3959897

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

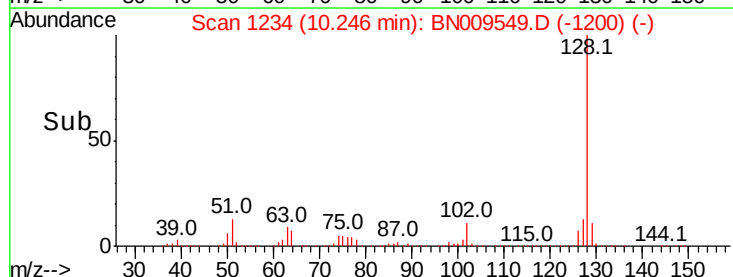
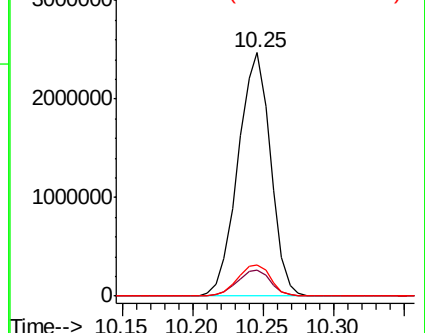
127 13.0 10.7 16.1

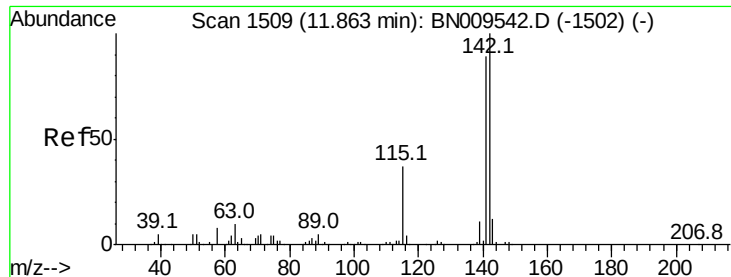


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#34

2-Methylnaphthalene

Concen: 155.869 ng/ul

RT: 11.87 min Scan# 1510

Delta R.T. 0.01 min

Lab File: BN009549.D

Acq: 04 Feb 2020 03:34

Instrument :

BNA_N

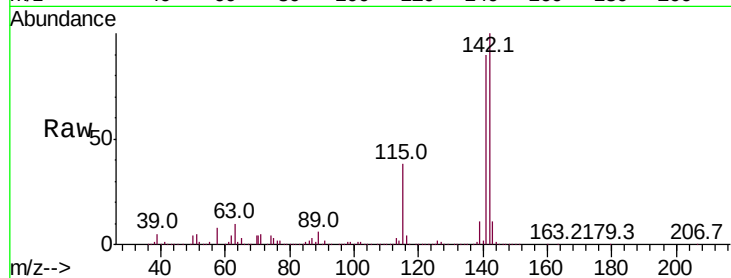
ClientSampleId :

Tot Ion:142 Resp: 4149318

Ion Ratio Lower Upper

142 100

141 89.9 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.87

2500000

2000000

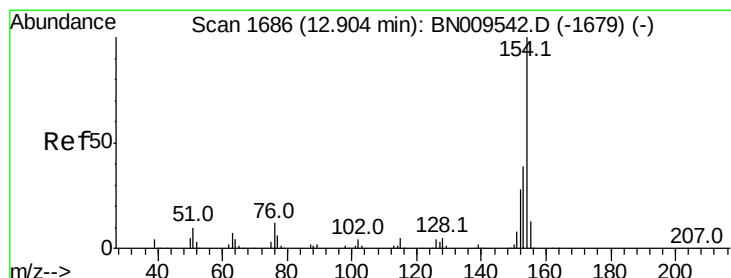
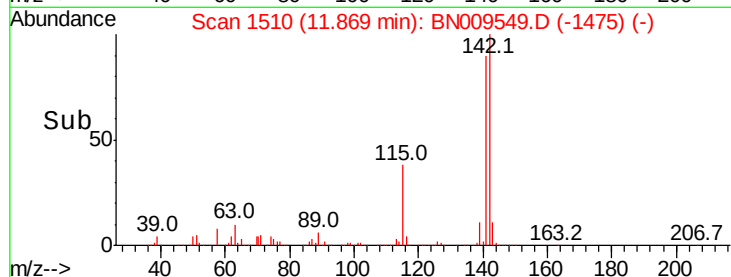
1500000

1000000

500000

0

Time-->



#40

1,1'-Biphenyl

Concen: 11.131 ng/ul

RT: 12.90 min Scan# 1686

Delta R.T. 0.00 min

Lab File: BN009549.D

Acq: 04 Feb 2020 03:34

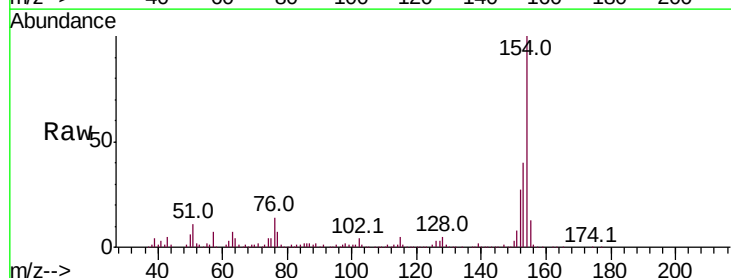
Tgt Ion:154 Resp: 381291

Ion Ratio Lower Upper

154 100

153 40.0 31.2 46.8

76 14.3 11.4 17.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BNC

12.90

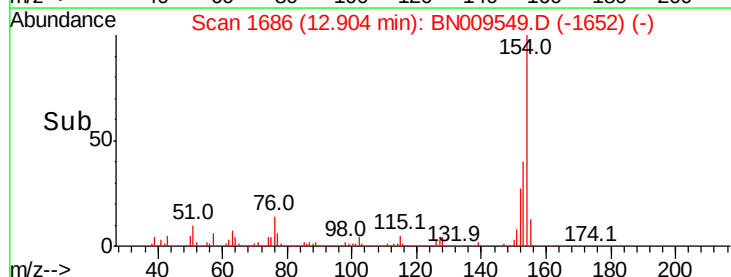
300000

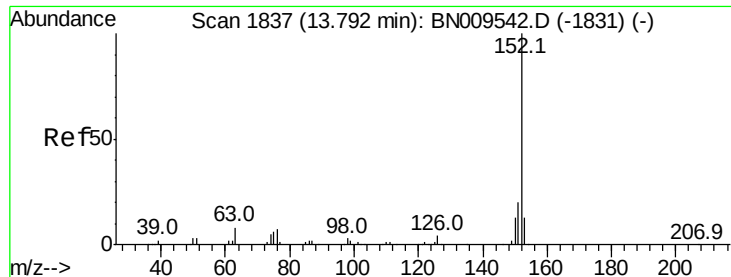
200000

100000

0

Time-->





#47

Acenaphthylene

Concen: 28.178 ng/ul

RT: 13.79 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BN009549.D

Acq: 04 Feb 2020 03:34

Instrument :

BNA_N

ClientSampleId :

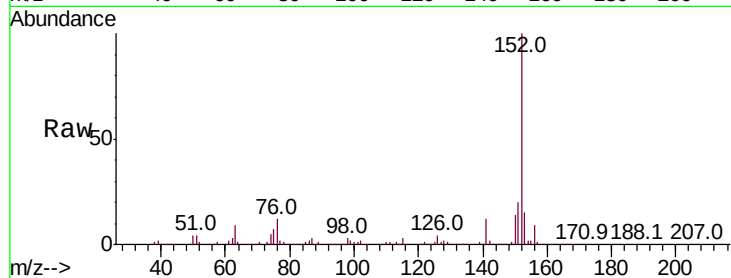
Tot Ion:152 Resp: 1196688

Ion Ratio Lower Upper

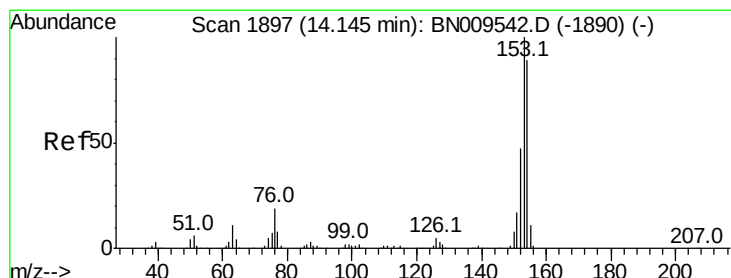
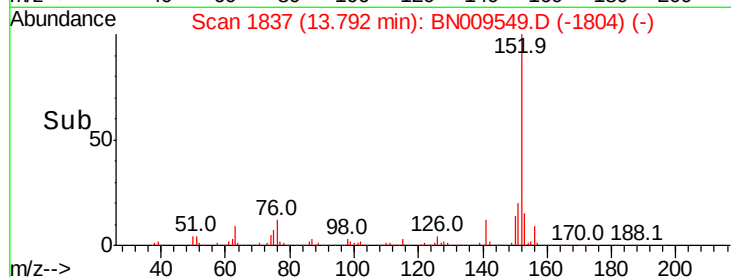
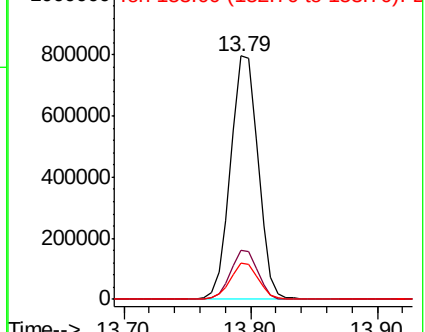
152 100

151 20.0 16.2 24.2

153 14.7 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 5.720 ng/ul

RT: 14.14 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BN009549.D

Acq: 04 Feb 2020 03:34

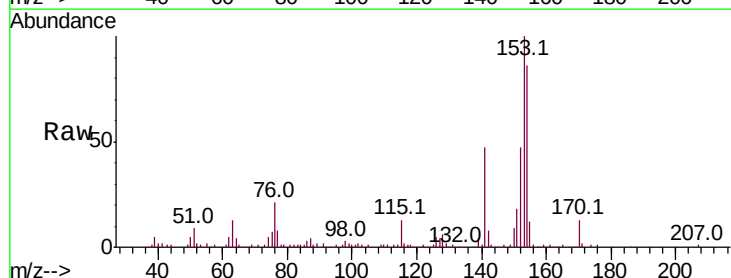
Tgt Ion:153 Resp: 165153

Ion Ratio Lower Upper

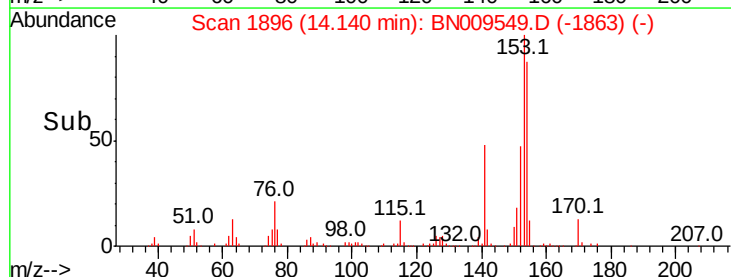
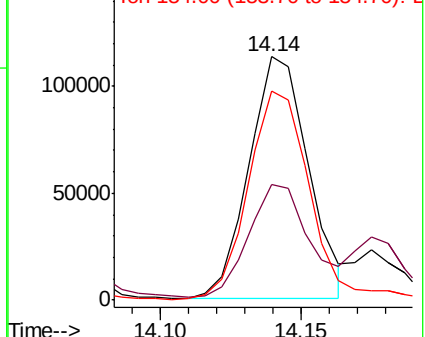
153 100

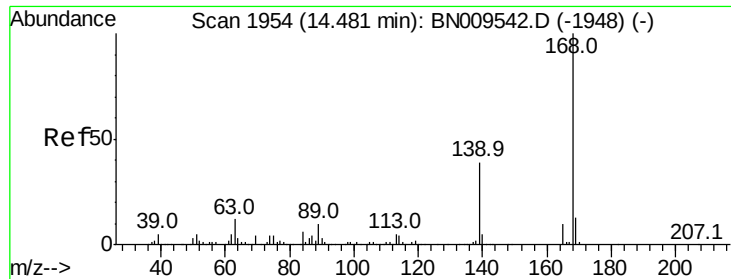
152 47.3 37.3 55.9

154 85.7 70.2 105.2



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 4.472 ng/ul

RT: 14.48 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BN009549.D

Acq: 04 Feb 2020 03:34

Instrument :

BNA_N

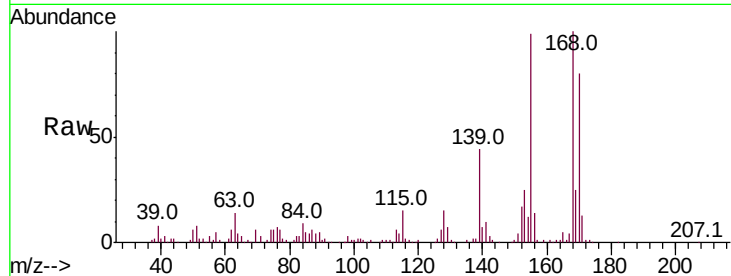
ClientSampled :

Tot Ion:168 Resp: 179812

Ion Ratio Lower Upper

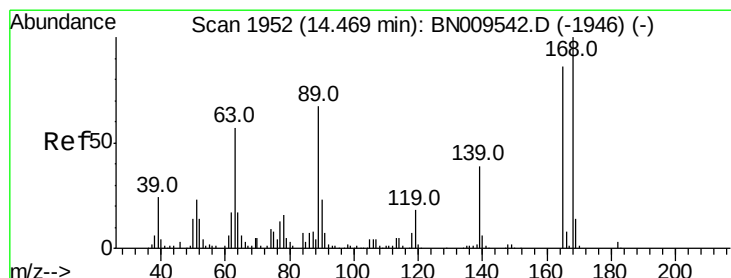
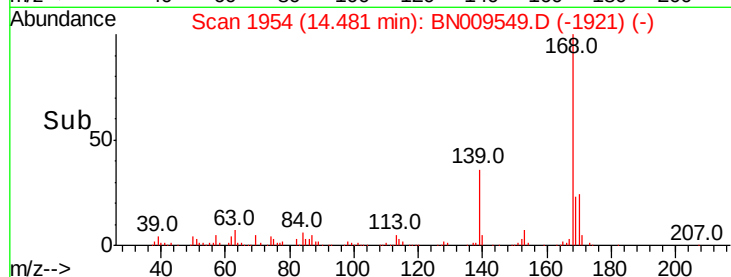
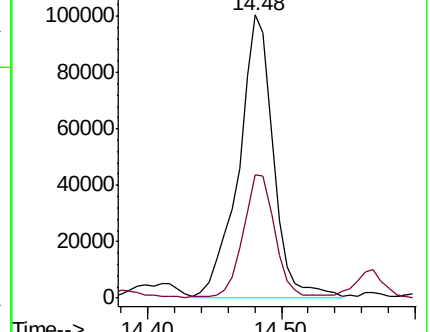
168 100

139 43.8 29.5 44.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#54

2,4-Dinitrotoluene

Concen: 1.544 ng/ul

RT: 14.46 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BN009549.D

Acq: 04 Feb 2020 03:34

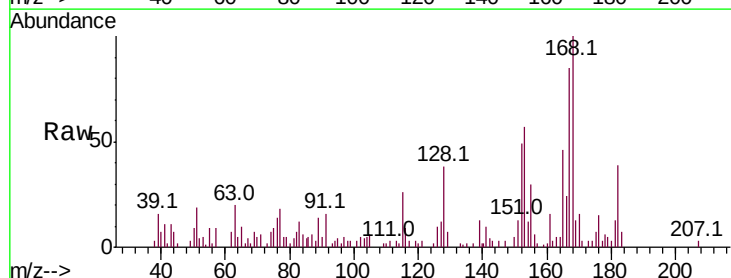
Tgt Ion:165 Resp: 15068

Ion Ratio Lower Upper

165 100

63 44.2 55.0 82.4#

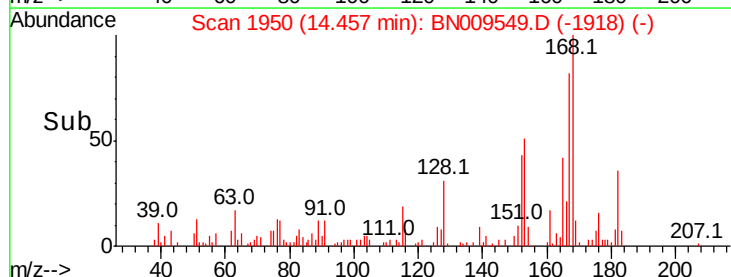
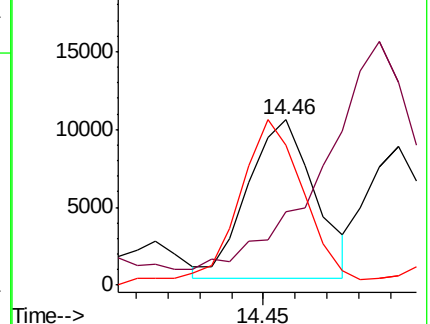
182 84.7 2.4 3.6#

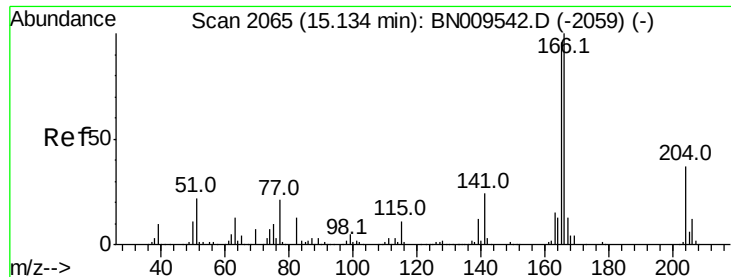


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 28.019 ng/ul

RT: 15.14 min Scan# 2066

Delta R.T. 0.00 min

Lab File: BN009549.D

Acq: 04 Feb 2020 03:34

Instrument :

BNA_N

ClientSampleId :

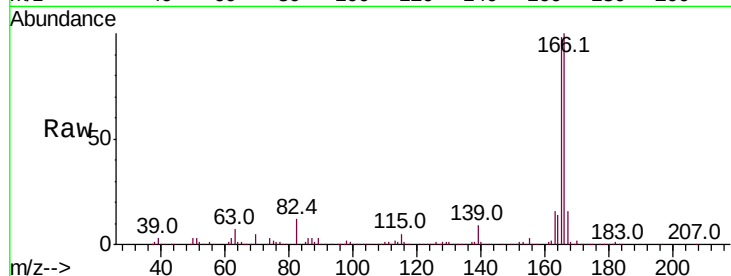
Tot Ion:166 Resp: 941426

Ion Ratio Lower Upper

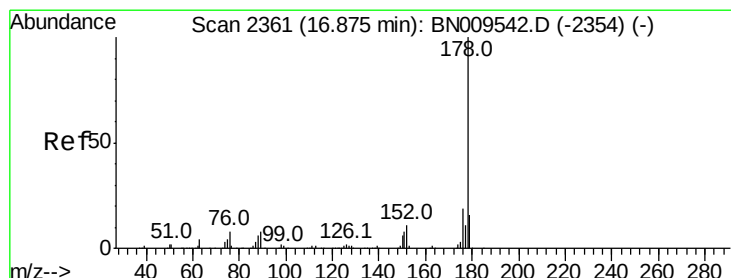
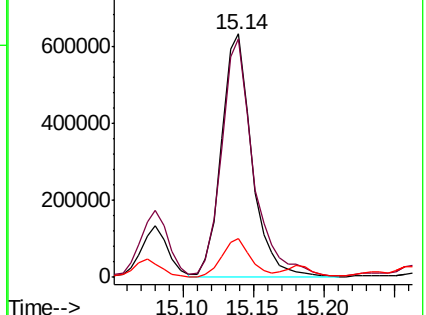
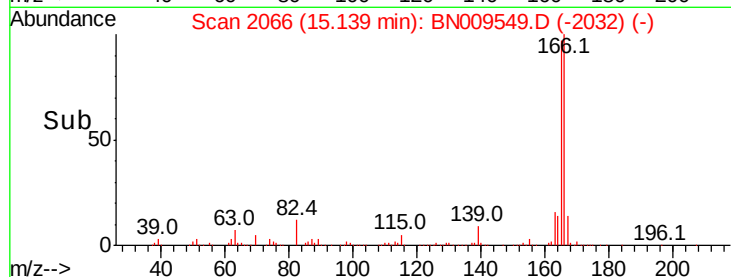
166 100

165 98.1 76.7 115.1

167 15.7 11.1 16.7



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



#69

Phenanthrene

Concen: 85.254 ng/ul

RT: 16.88 min Scan# 2362

Delta R.T. 0.01 min

Lab File: BN009549.D

Acq: 04 Feb 2020 03:34

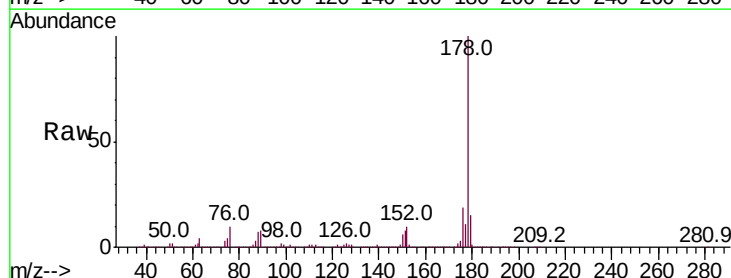
Tgt Ion:178 Resp: 4495663

Ion Ratio Lower Upper

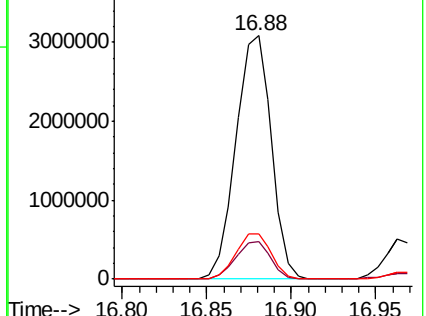
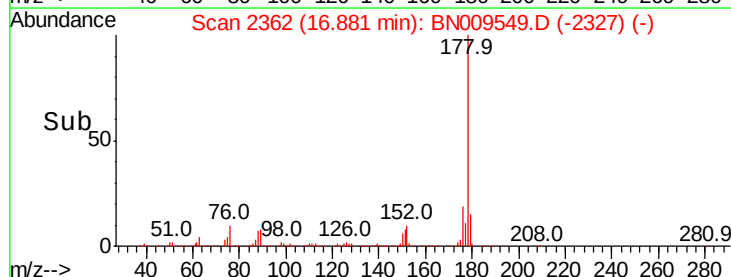
178 100

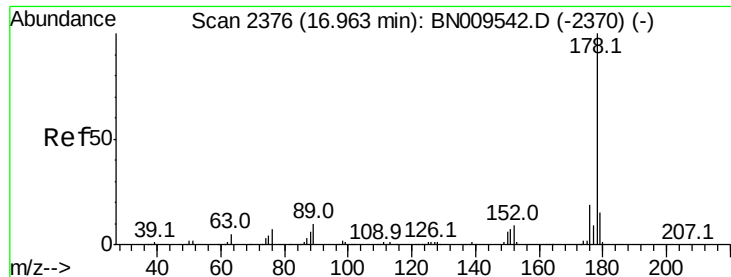
179 15.4 12.2 18.2

176 18.5 14.8 22.2



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: 12.495 ng/ul

RT: 16.96 min Scan# 2376

Delta R.T. -0.01 min

Lab File: BN009549.D

Acq: 04 Feb 2020 03:34

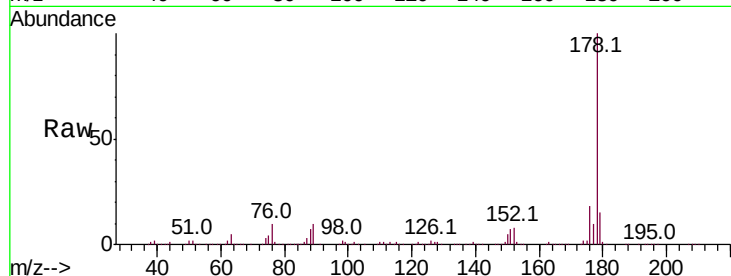
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 668570

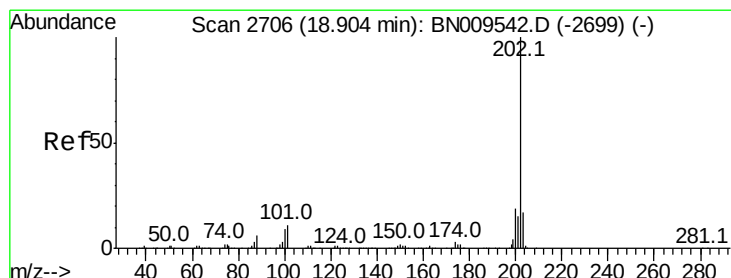
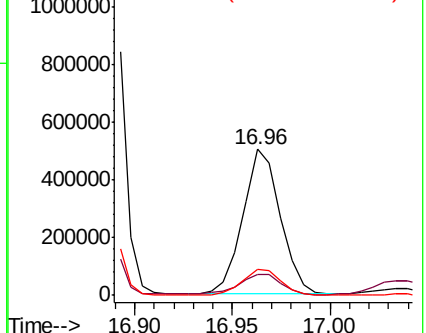
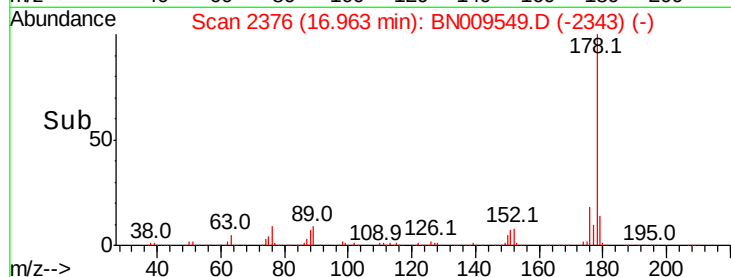
Ion	Ratio	Lower	Upper
178	100		
179	14.6	12.1	18.1
176	18.1	14.6	21.8



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



#76

Fluoranthene

Concen: 16.740 ng/ul

RT: 18.90 min Scan# 2706

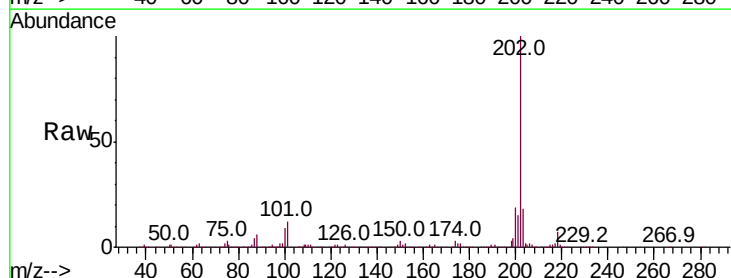
Delta R.T. 0.00 min

Lab File: BN009549.D

Acq: 04 Feb 2020 03:34

Tgt Ion:202 Resp: 1007515

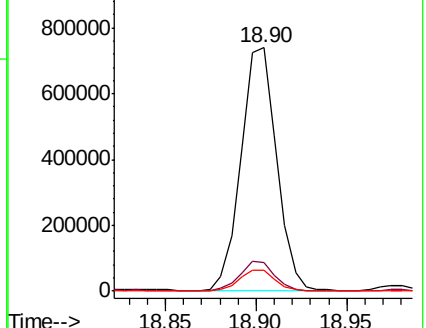
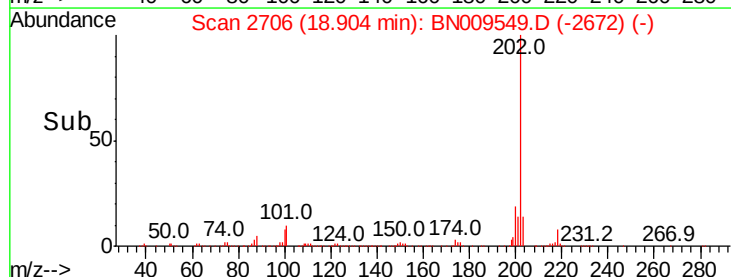
Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.2	13.8
100	8.7	6.9	10.3

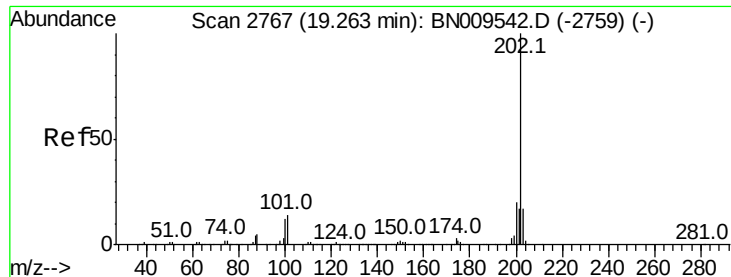


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

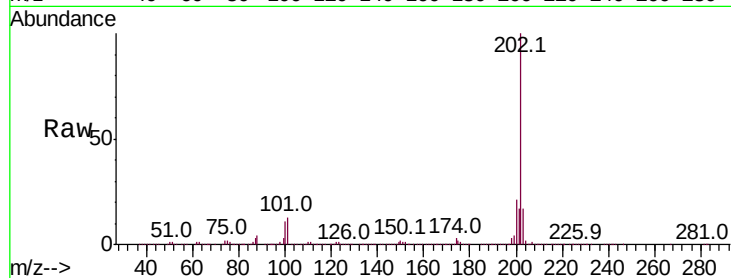




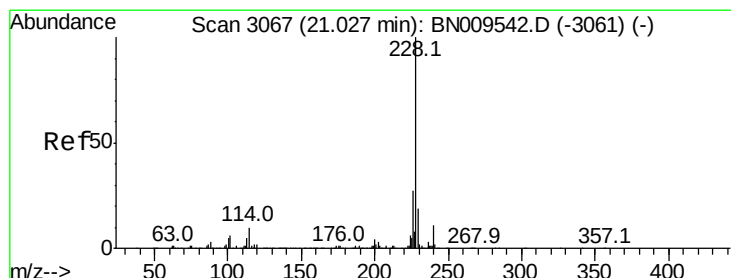
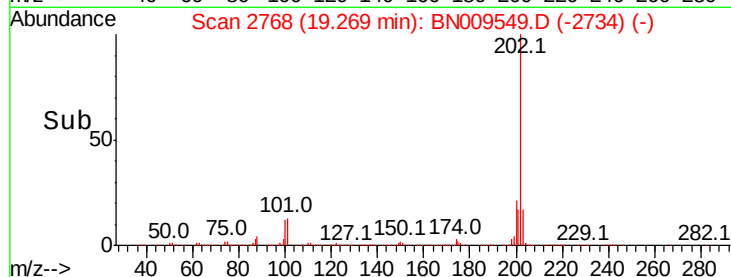
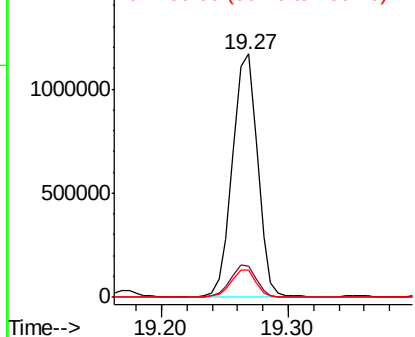
#79
Pvrene
Concen: 26.333 ng/ul
RT: 19.27 min Scan# 2768
Delta R.T. 0.00 min
Lab File: BN009549.D
Acq: 04 Feb 2020 03:34

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 1594661
Ion Ratio Lower Upper
202 100
101 13.0 10.3 15.5
100 11.2 8.4 12.6

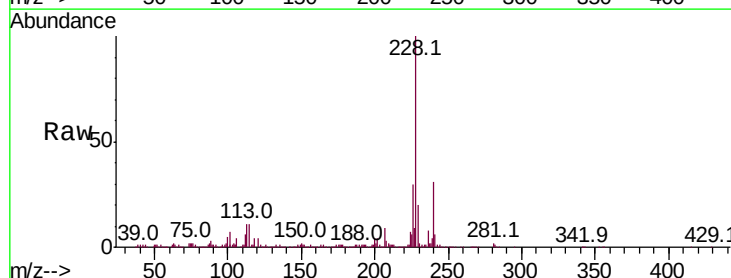


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

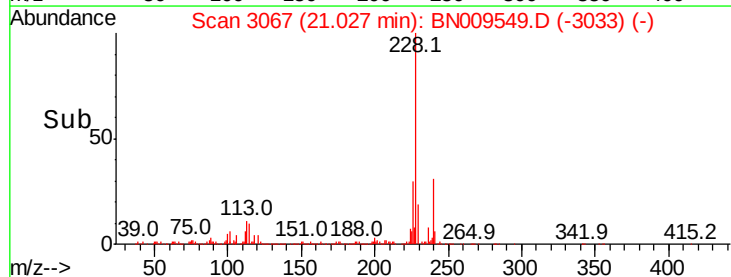
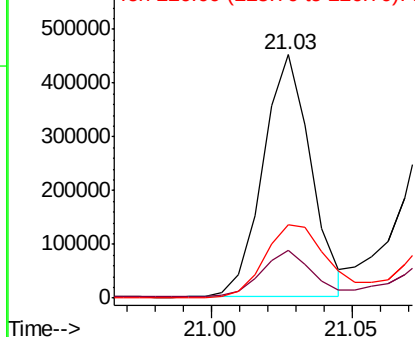


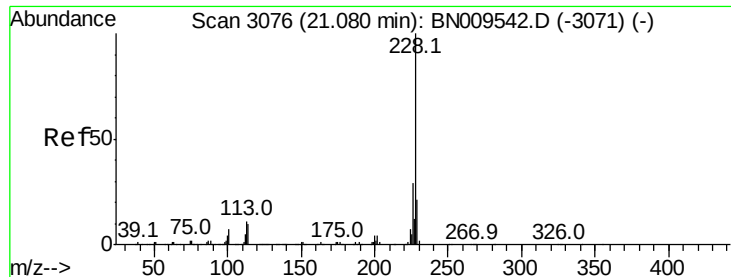
#82
Benzo(a)anthracene
Concen: 9.274 ng/ul
RT: 21.03 min Scan# 3067
Delta R.T. 0.00 min
Lab File: BN009549.D
Acq: 04 Feb 2020 03:34

Tgt Ion:228 Resp: 531173
Ion Ratio Lower Upper
228 100
229 19.7 15.0 22.4
226 30.2 20.9 31.3



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





#84

Chrysene

Concen: 8.244 ng/ul

RT: 21.08 min Scan# 3076

Delta R.T. 0.00 min

Lab File: BN009549.D

Acq: 04 Feb 2020 03:34

Instrument :

BNA_N

ClientSampled :

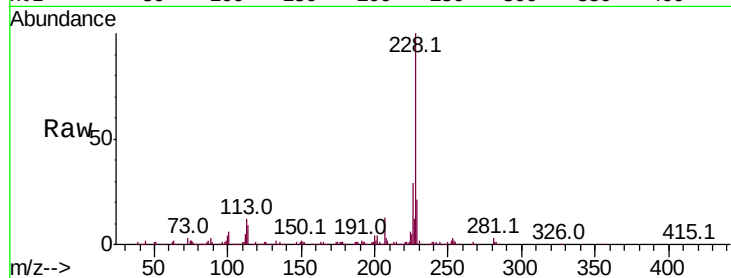
Tot Ion:228 Resp: 470090

Ion Ratio Lower Upper

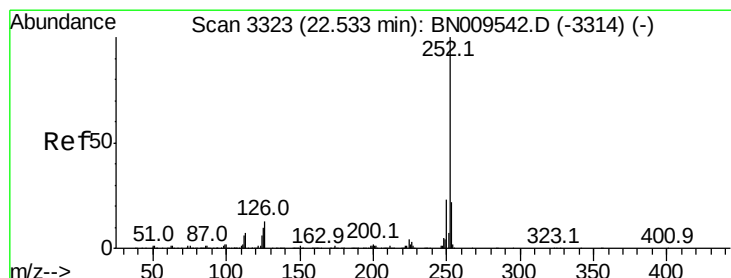
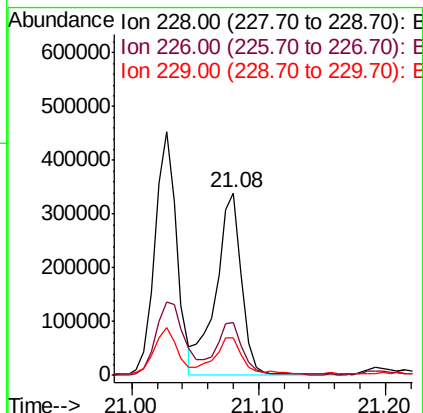
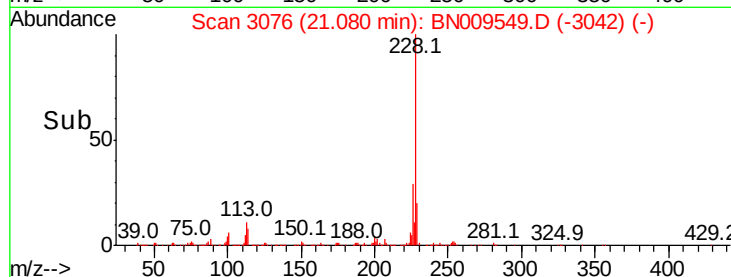
228 100

226 28.8 23.5 35.3

229 20.6 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 5.958 ng/ul

RT: 22.54 min Scan# 3324

Delta R.T. 0.01 min

Lab File: BN009549.D

Acq: 04 Feb 2020 03:34

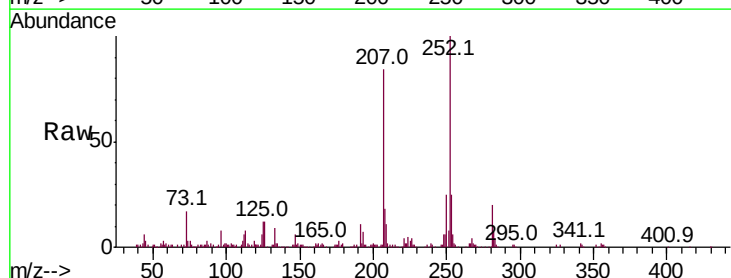
Tgt Ion:252 Resp: 335268

Ion Ratio Lower Upper

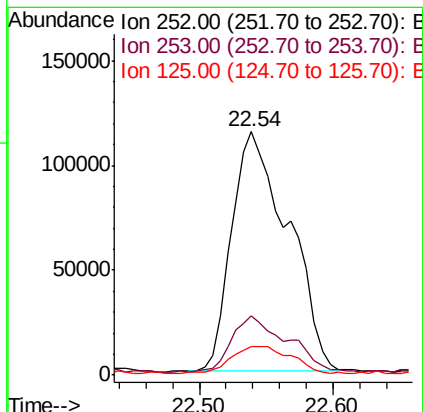
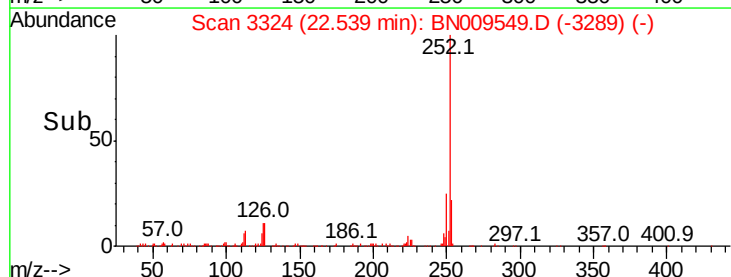
252 100

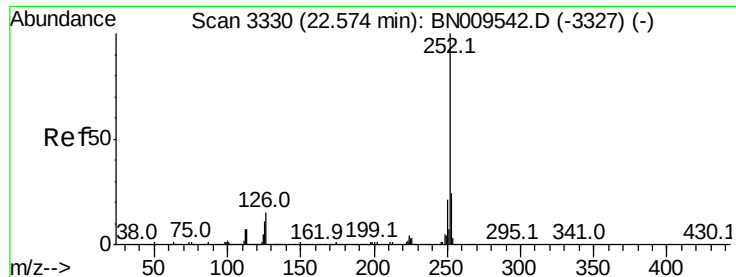
253 24.5 17.0 25.6

125 11.9 8.2 12.2



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

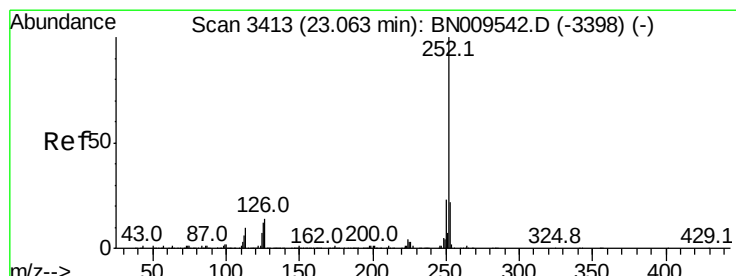
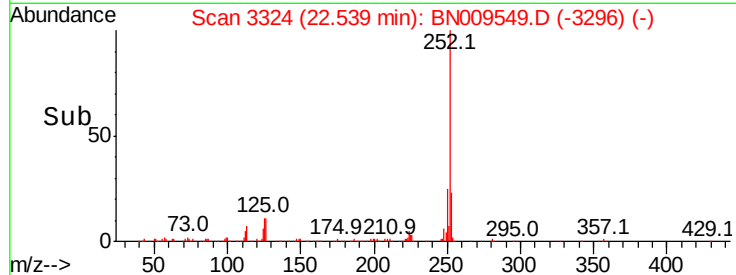
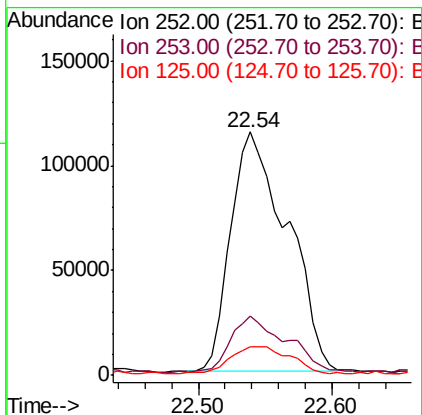
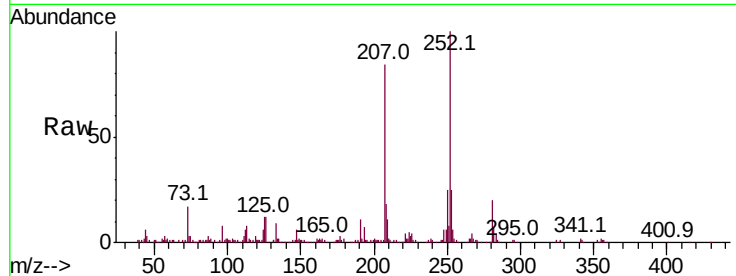




#88
Benzo(k)fluoranthene
Concen: 6.061 ng/ul
RT: 22.54 min Scan# 3324
Delta R.T. -0.04 min
Lab File: BN009549.D
Acq: 04 Feb 2020 03:34

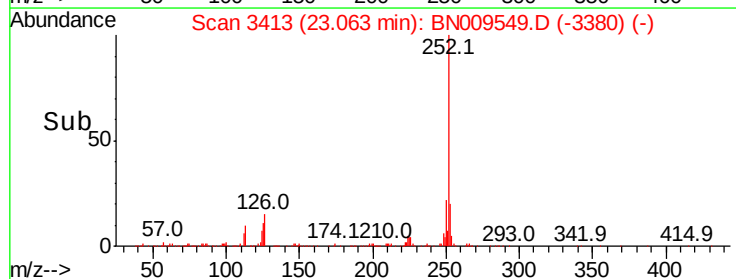
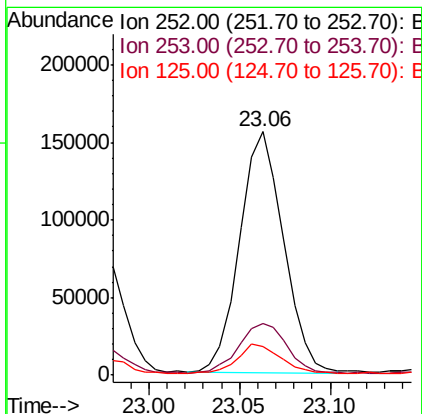
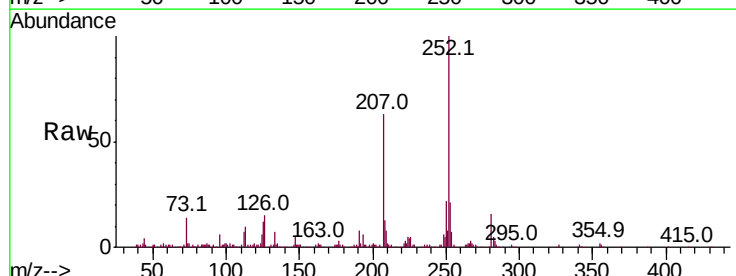
Instrument :
BNA_N
ClientSampleId :

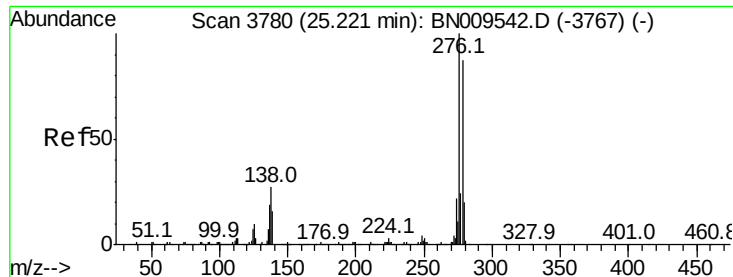
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.4
125	11.9	8.0	12.0



#90
Benzo(a)pyrene
Concen: 5.040 ng/ul
RT: 23.06 min Scan# 3413
Delta R.T. -0.01 min
Lab File: BN009549.D
Acq: 04 Feb 2020 03:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	15.8	23.8
125	11.7	8.7	13.1



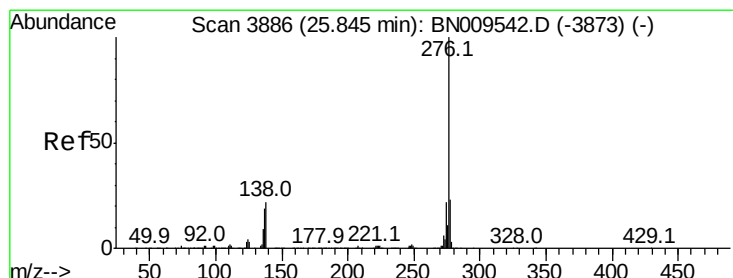
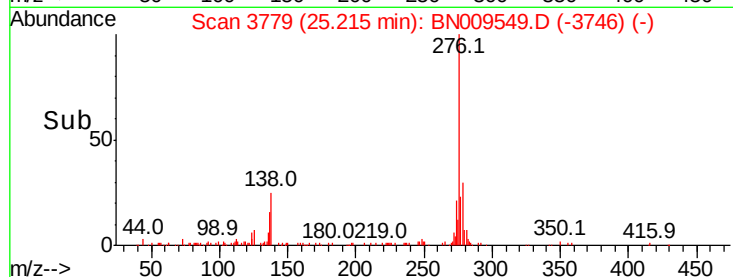
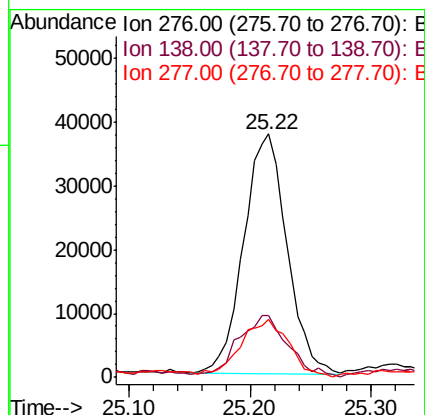
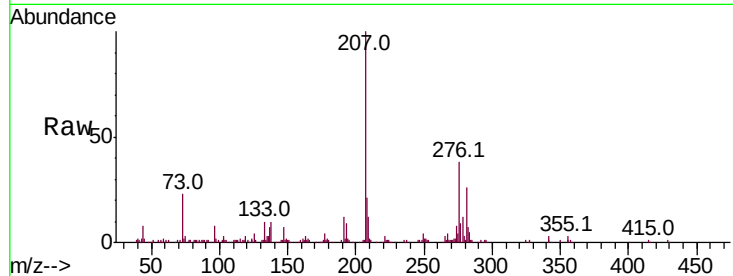


#91

Indeno(1,2,3-cd)pyrene
Concen: 1.518 ng/ul
RT: 25.22 min Scan# 3779
Delta R.T. -0.01 min
Lab File: BN009549.D
Acq: 04 Feb 2020 03:34

Instrument :
BNA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.2	20.3	30.5
277	23.7	21.2	31.8



#93

Benzo(g,h,i)perylene
Concen: 1.410 ng/ul
RT: 25.84 min Scan# 3885
Delta R.T. -0.01 min
Lab File: BN009549.D
Acq: 04 Feb 2020 03:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.8	16.0	24.0#
277	24.4	17.0	25.6

