

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN010820\
 Data File : BN009327.D
 Acq On : 08 Jan 2020 14:06
 Operator : JU
 Sample : K6467-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 X2K72

Quant Time: Jan 08 14:40:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM01-EPA-BN010620.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 06 17:39:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	257020	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.23	136	1113621	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.11	164	741143	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.86	188	1582156	20.00	ng/ul	0.00
78) Chrysene-d12	21.07	240	1401686	20.00	ng/ul	0.00
86) Perylene-d12	23.19	264	1401123	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	37131	6.11	ng/uL	0.00
5) Phenol-d5	6.67	99	769535	33.62	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	6.82	67	540023	34.29	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.01	132	580009	34.73	ng/ul	-0.01
13) 4-Methylphenol-d8	8.18	113	645945	34.21	ng/ul	-0.01
19) Nitrobenzene-d5	8.61	128	295262	36.18	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.33	143	336684	37.02	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	9.86	165	625440	36.00	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.37	131	847222	42.02	ng/ul	-0.01
44) Dimethylphthalate-d6	13.53	166	2026832	37.00	ng/ul	0.00
47) Acenaphthylene-d8	13.80	160	2374055	36.23	ng/ul	0.00
52) 4-Nitrophenol-d4	14.33	143	360279	34.73	ng/ul	0.00
58) Fluorene-d10	15.11	176	1730849	36.31	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.25	200	346050	34.04	ng/ul	0.00
71) Anthracene-d10	16.96	188	2678592	37.29	ng/ul	0.00
79) Pyrene-d10	19.27	212	2948351	38.70	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.06	264	2706008	38.75	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.69	94	438791	18.347	ng/ul 98
10) 2-Chlorophenol	7.05	128	331759	19.446	ng/ul 98
12) 2,2'-oxybis(1-Chloropropan	8.00	45	1215967	26.767	ng/ul 99
17) Hexachloroethane	8.53	117	143028	18.335	ng/ul 98
27) 2,4-Dichlorophenol	9.89	162	346670	20.289	ng/ul 94
28) Naphthalene	10.28	128	1129253	19.097	ng/ul 100
31) Hexachlorobutadiene	10.57	225	314740	28.342	ng/ul 96
46) 2,6-Dinitrotoluene	13.70	165	325959	28.855	ng/ul 99
50) Acenaphthene	14.17	153	921859	19.595	ng/ul 97
55) 2,4-Dinitrotoluene	14.49	165	480364	29.200	ng/ul 95
57) Diethylphthalate	14.96	149	1407396	24.027	ng/ul 99
59) Fluorene	15.17	166	1090769	19.892	ng/ul 97
67) Hexachlorobenzene	16.17	284	412206	22.758	ng/ul 97
69) Pentachlorophenol	16.53	266	453717	41.496	ng/ul 95
72) Anthracene	17.00	178	1484493	16.791	ng/ul 100
80) Pyrene	19.30	202	2056406	20.365	ng/ul 99
81) Butylbenzylphthalate	20.23	149	1866508	44.078	ng/ul 99
83) Benzo(a)anthracene	21.06	228	1899727	19.934	ng/ul 99
84) Bis(2-ethylhexyl)phthalate	21.02	149	2151209	33.678	ng/ul 100
85) Chrysene	21.11	228	1873876	20.206	ng/ul 98
88) Benzo(b)fluoranthene	22.57	252	3068483	34.745	ng/ul 98
89) Benzo(k)fluoranthene	22.61	252	1672484	19.179	ng/ul 99
91) Benzo(a)pyrene	23.10	252	1590696	20.300	ng/ul 98

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Response via : Initial Calibration

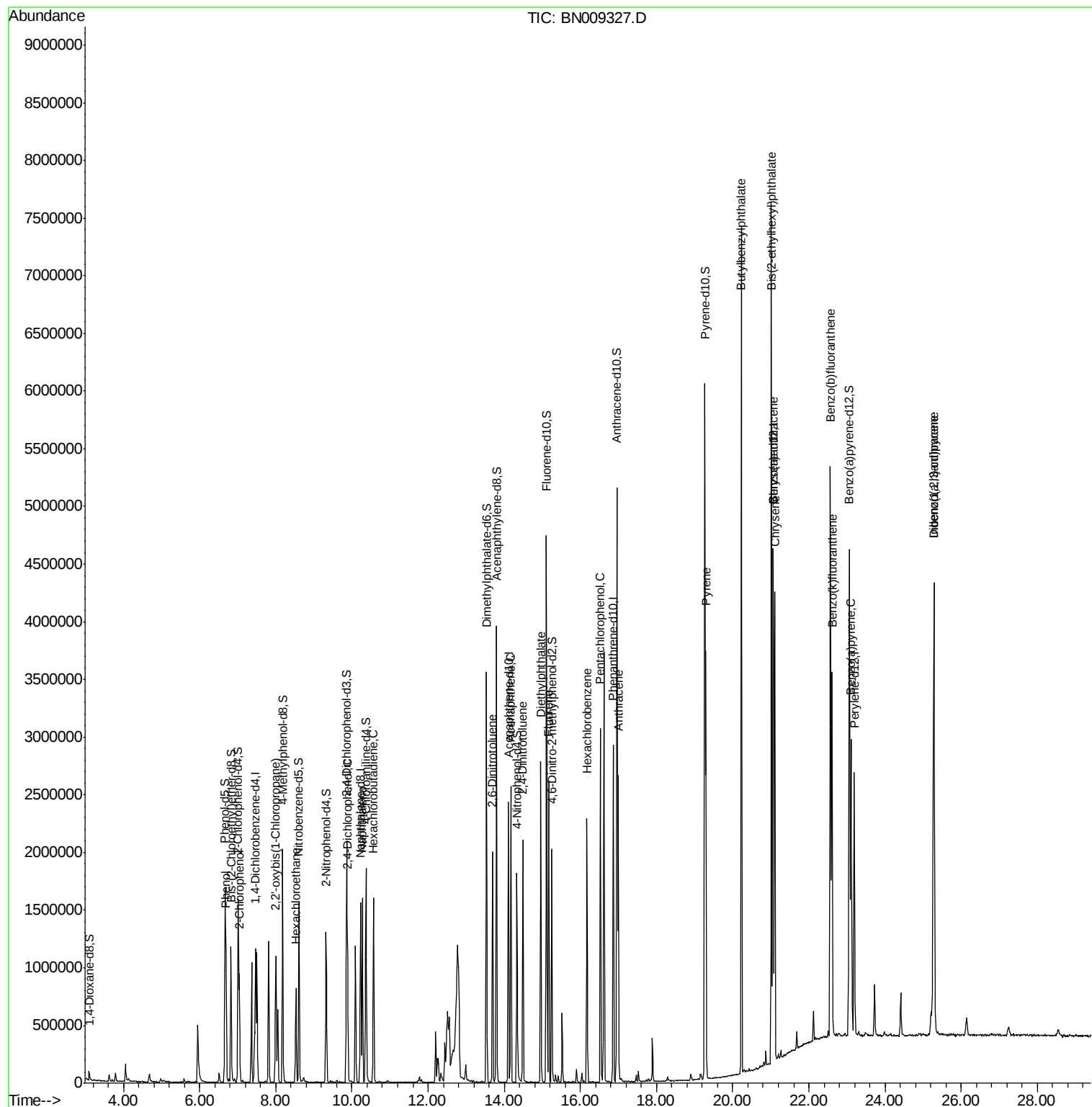
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Indeno(1,2,3-cd)pyrene	25.29	276	2481601	29.225	ng/ul	97
93) Dibenzo(a,h)anthracene	25.29	278	1824522	25.576	ng/ul	96

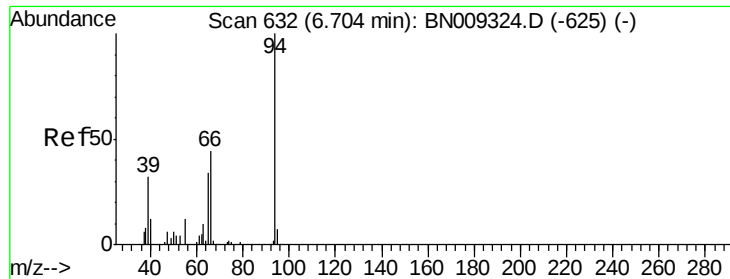
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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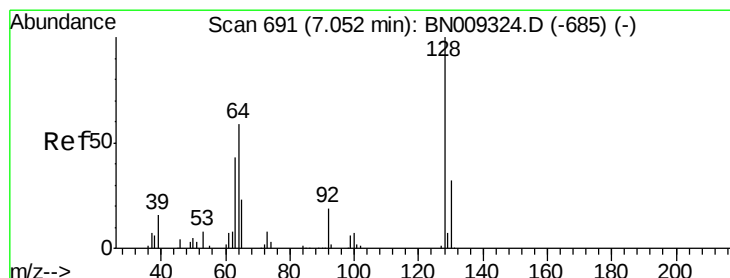
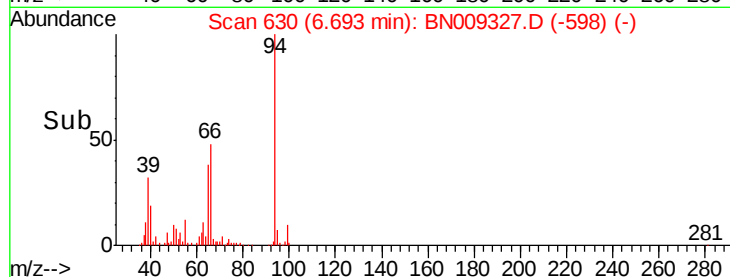
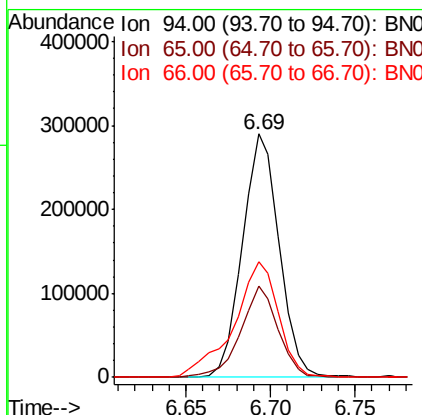
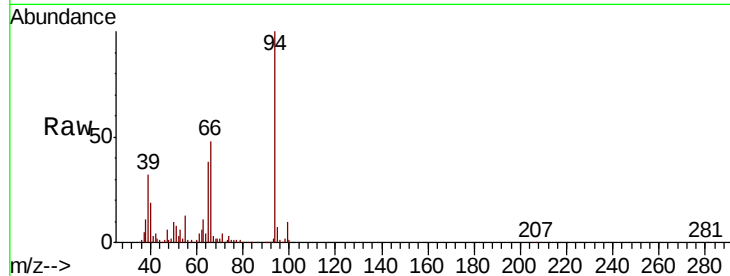
#6

Phenol

Concen: 18.347 ng/ul
 RT: 6.69 min Scan# 630
 Delta R.T. -0.01 min
 Lab File: BN009327.D
 Acq: 08 Jan 2020 14:06

Instrument :
 BNA_N
 ClientSampleId :
 X2K72

Tot Ion: 94 Resp: 438791
 Ion Ratio Lower Upper
 94 100
 65 37.5 28.6 42.8
 66 47.5 37.7 56.5

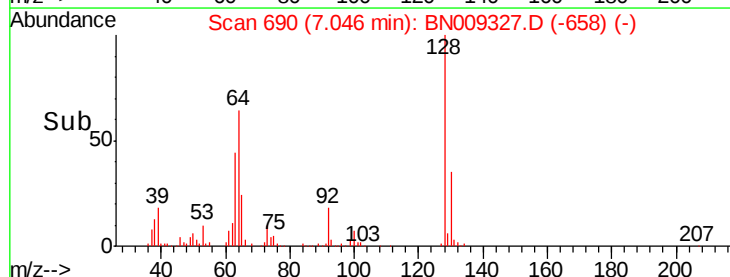
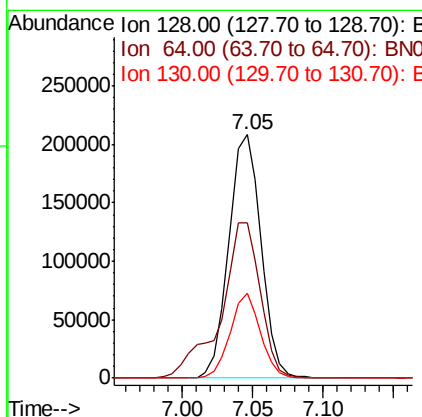
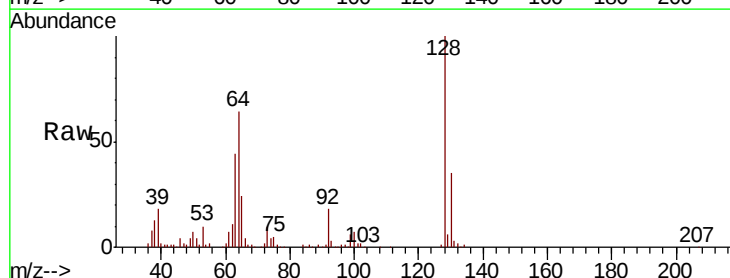


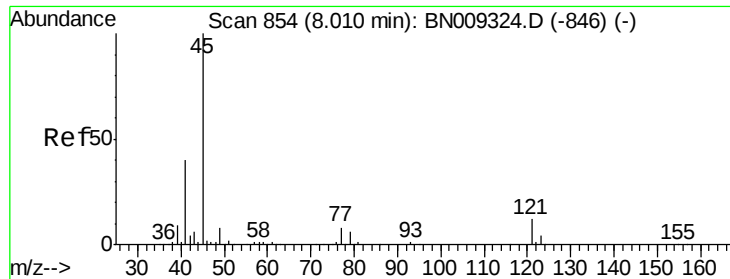
#10

2-Chlorophenol

Concen: 19.446 ng/ul
 RT: 7.05 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: BN009327.D
 Acq: 08 Jan 2020 14:06

Tgt Ion: 128 Resp: 331759
 Ion Ratio Lower Upper
 128 100
 64 63.7 52.3 78.5
 130 34.7 27.4 41.0

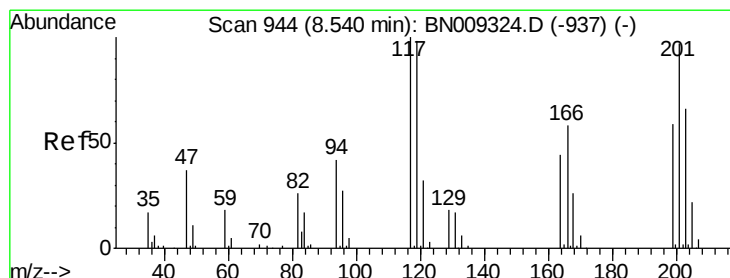
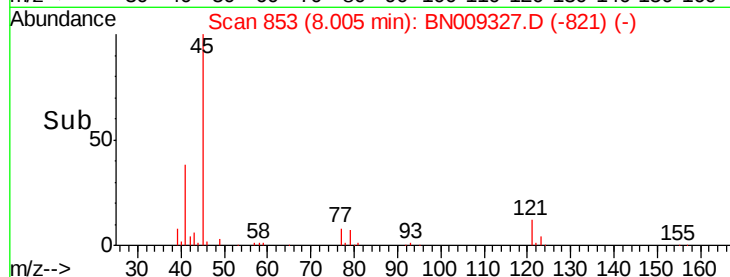
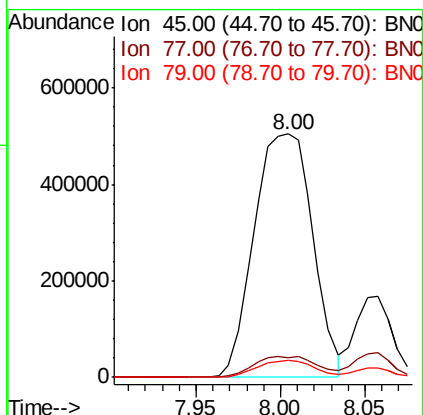
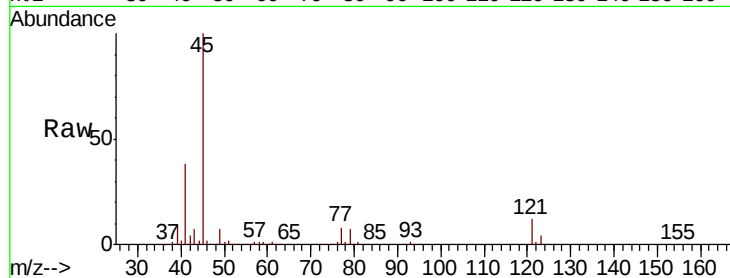




#12
2,2'-oxvbis(1-Chloropropane)
Concen: 26.767 ng/ul
RT: 8.00 min Scan# 853
Delta R.T. -0.01 min
Lab File: BN009327.D
Acq: 08 Jan 2020 14:06

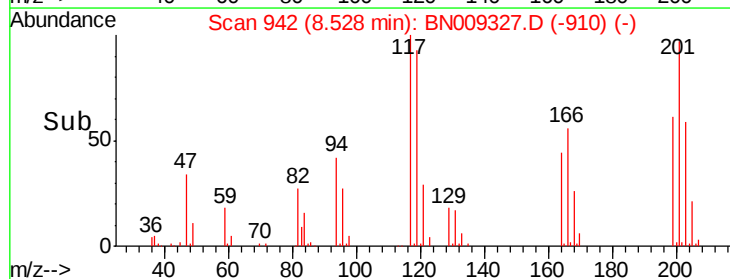
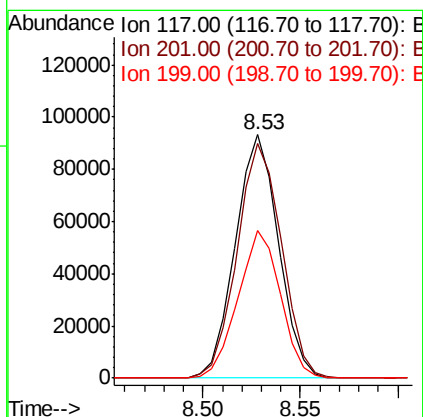
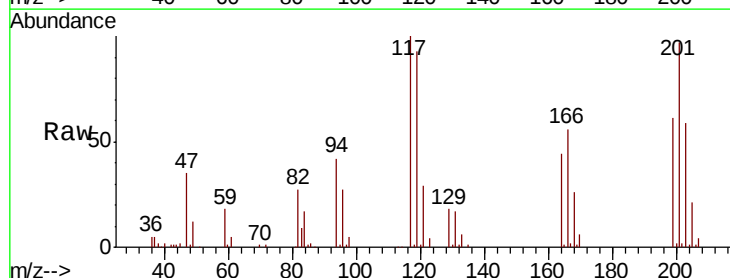
Instrument :
BNA_N
ClientSampleId :
X2K72

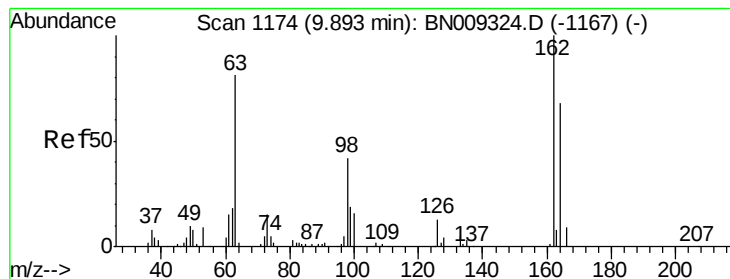
Tot Ion: 45 Resp: 1215967
Ion Ratio Lower Upper
45 100
77 8.1 7.0 10.6
79 6.8 5.2 7.8



#17
Hexachloroethane
Concen: 18.335 ng/ul
RT: 8.53 min Scan# 942
Delta R.T. -0.01 min
Lab File: BN009327.D
Acq: 08 Jan 2020 14:06

Tgt Ion: 117 Resp: 143028
Ion Ratio Lower Upper
117 100
201 96.6 78.4 117.6
199 60.7 50.2 75.4





#27

2,4-Dichlorophenol

Concen: 20.289 ng/ul

RT: 9.89 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BN009327.D

Acq: 08 Jan 2020 14:06

Instrument :

BNA_N

ClientSampled :

X2K72

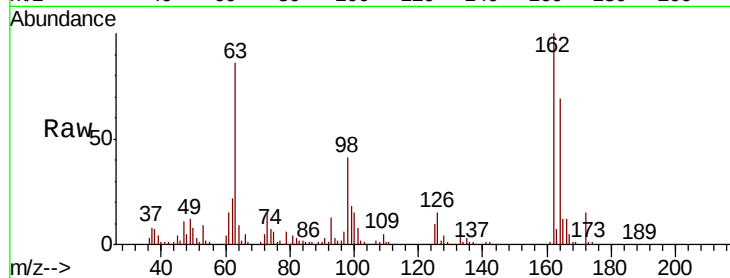
Tot Ion:162 Resp: 346670

Ion Ratio Lower Upper

162 100

164 68.9 50.6 75.8

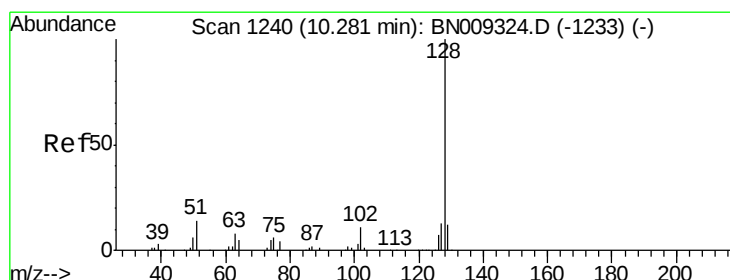
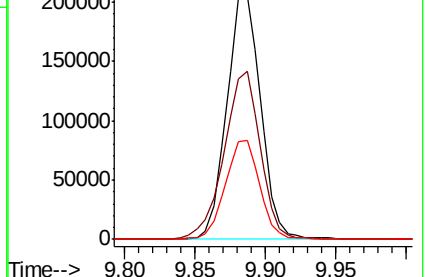
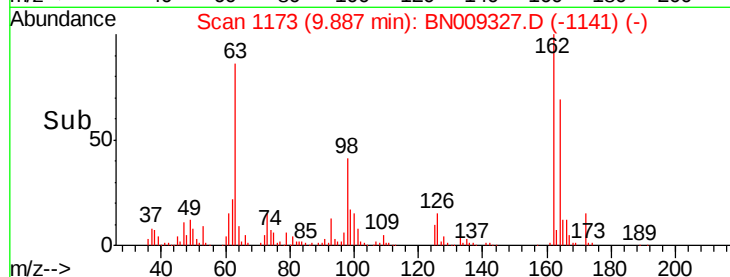
98 40.8 31.2 46.8



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BNC



#28

Naphthalene

Concen: 19.097 ng/ul

RT: 10.28 min Scan# 1239

Delta R.T. -0.01 min

Lab File: BN009327.D

Acq: 08 Jan 2020 14:06

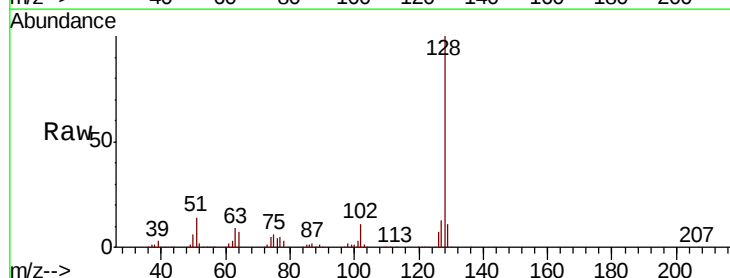
Tgt Ion:128 Resp: 1129253

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.4

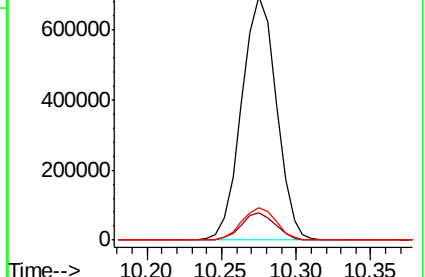
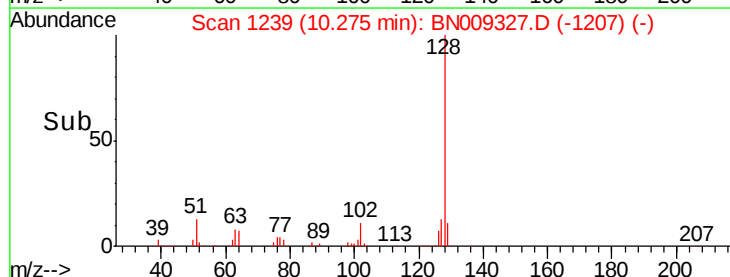
127 13.3 10.8 16.2

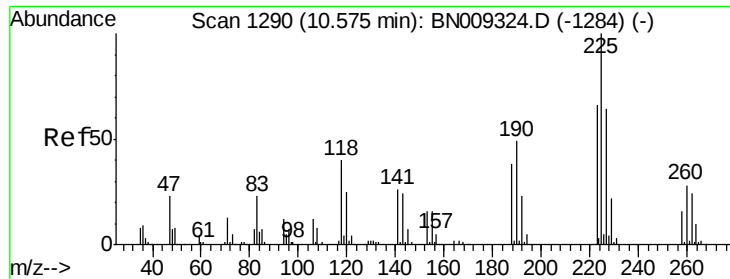


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#31

Hexachlorobutadiene

Concen: 28.342 ng/ul

RT: 10.57 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BN009327.D

Acq: 08 Jan 2020 14:06

Instrument :

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ClientSampled :

X2K72

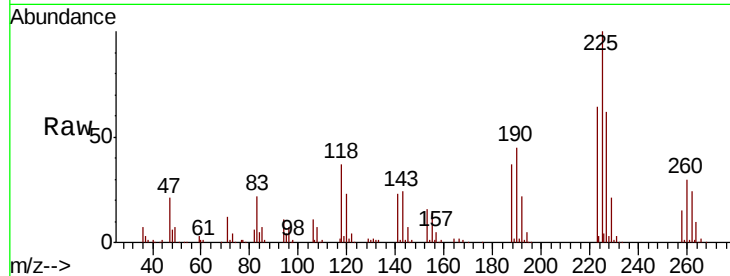
Tot Ion:225 Resp: 314740

Ion Ratio Lower Upper

225 100

223 63.6 48.2 72.4

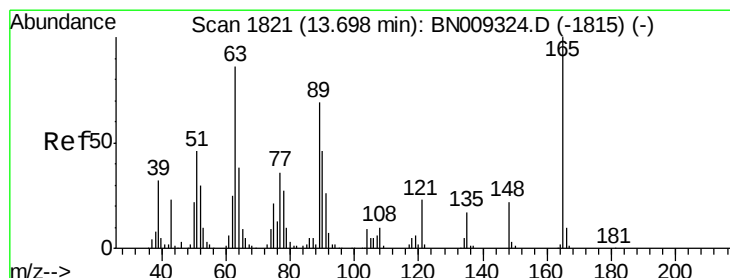
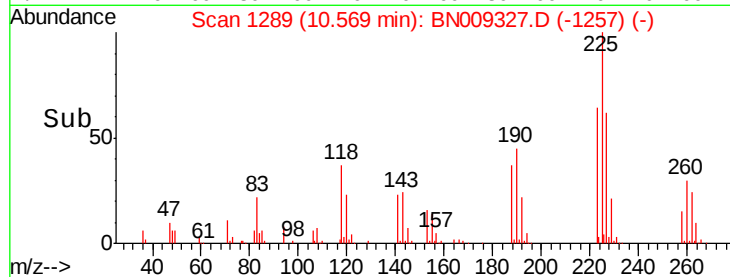
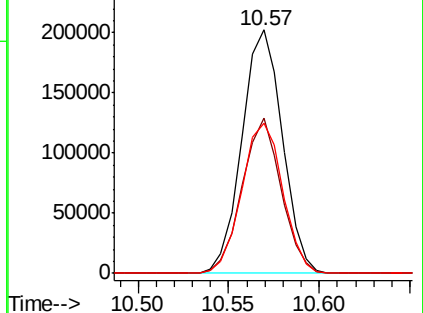
227 61.7 51.0 76.6



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#46

2,6-Dinitrotoluene

Concen: 28.855 ng/ul

RT: 13.70 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BN009327.D

Acq: 08 Jan 2020 14:06

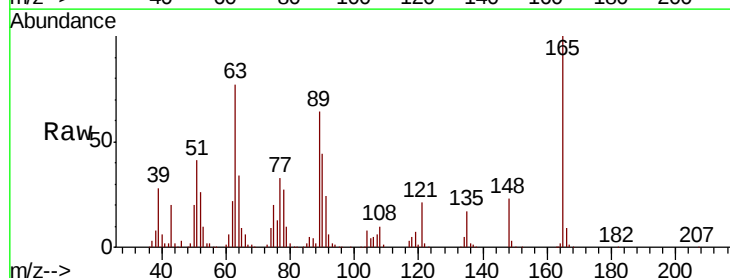
Tgt Ion:165 Resp: 325959

Ion Ratio Lower Upper

165 100

89 63.9 50.5 75.7

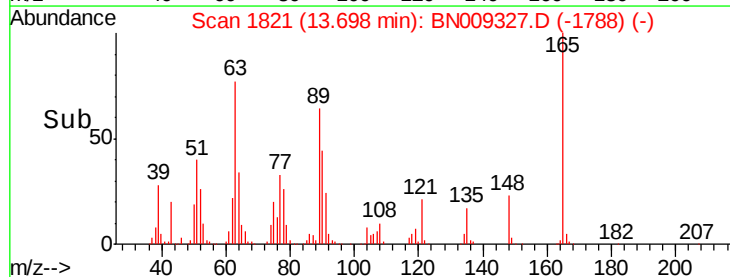
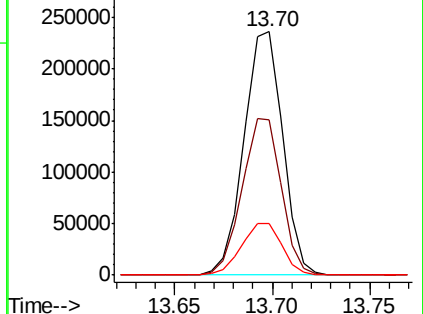
121 21.1 17.8 26.8

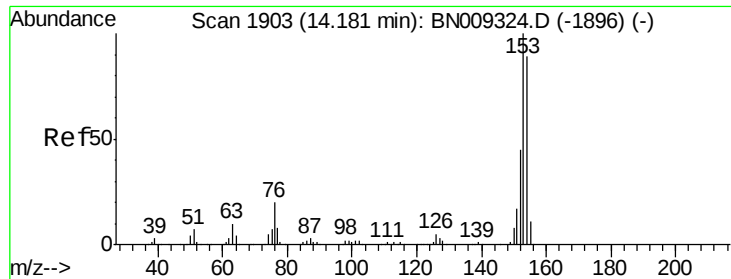


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BNO

Ion 121.00 (120.70 to 121.70): E





#50

Acenaphthene

Concen: 19.595 ng/ul

RT: 14.17 min Scan# 1902

Delta R.T. -0.01 min

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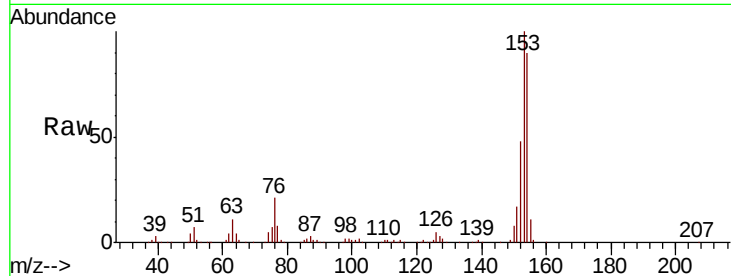
Tot Ion:153 Resp: 921859

Ion Ratio Lower Upper

153 100

152 48.4 37.2 55.8

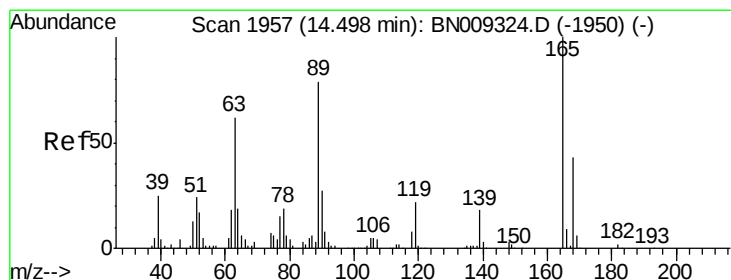
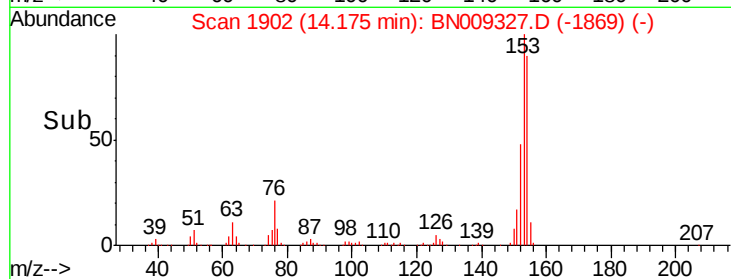
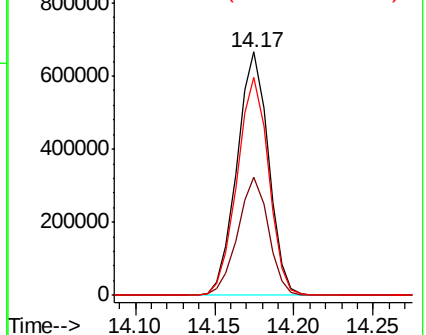
154 89.6 69.8 104.6



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



#55

2,4-Dinitrotoluene

Concen: 29.200 ng/ul

RT: 14.49 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BN009327.D

Acq: 08 Jan 2020 14:06

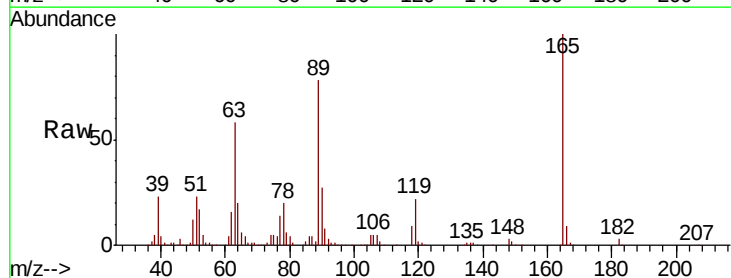
Tgt Ion:165 Resp: 480364

Ion Ratio Lower Upper

165 100

63 58.4 49.8 74.6

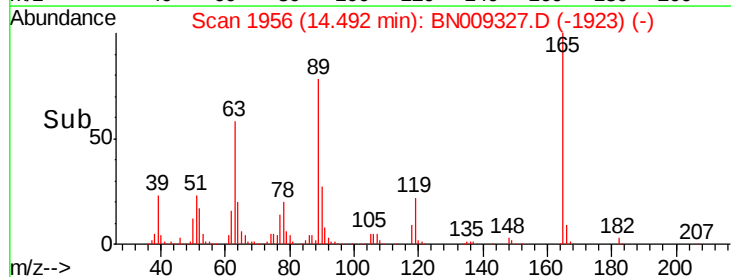
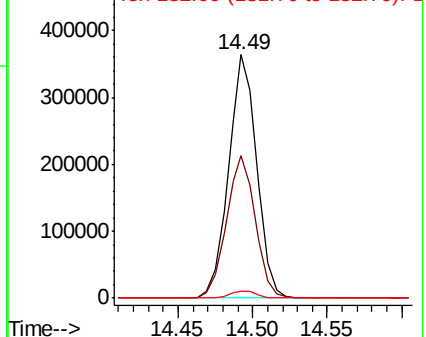
182 2.8 2.2 3.4

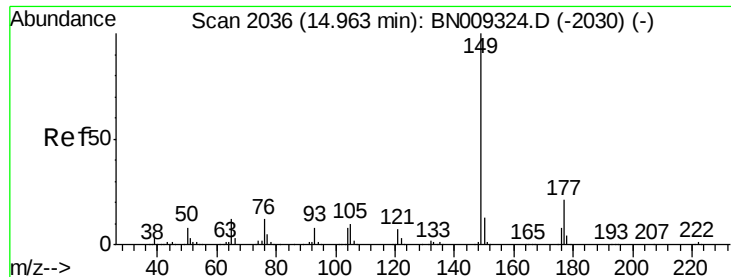


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 182.00 (181.70 to 182.70): E

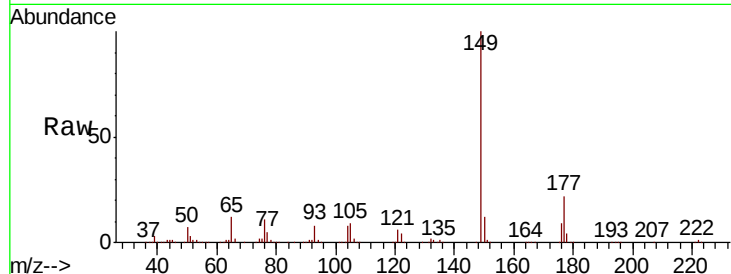




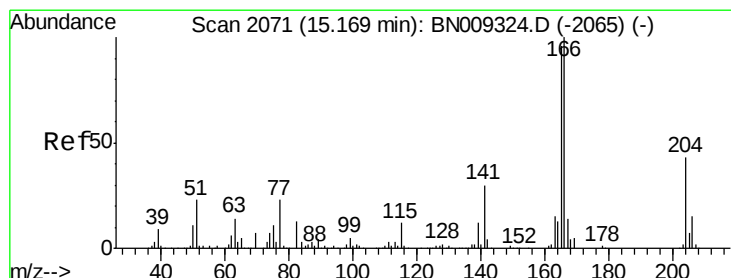
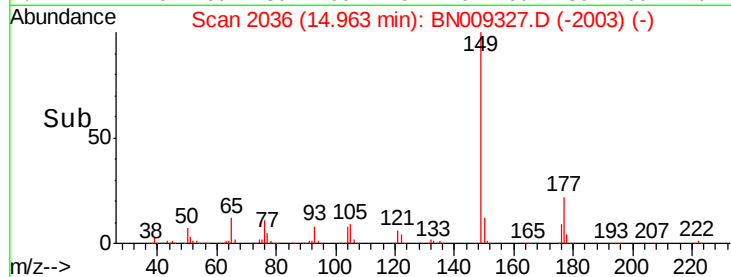
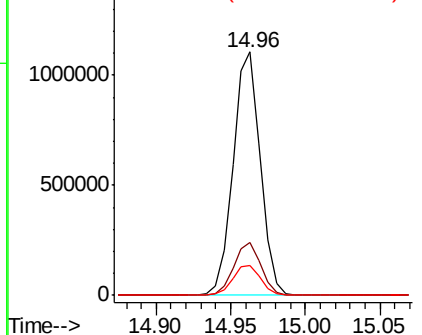
#57
Diethylphthalate
Concen: 24.027 ng/ul
RT: 14.96 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BN009327.D
Acq: 08 Jan 2020 14:06

Instrument :
BNA_N
ClientSampled :
X2K72

Tot Ion:149 Resp: 1407396
Ion Ratio Lower Upper
149 100
177 21.7 17.1 25.7
150 12.0 9.8 14.6

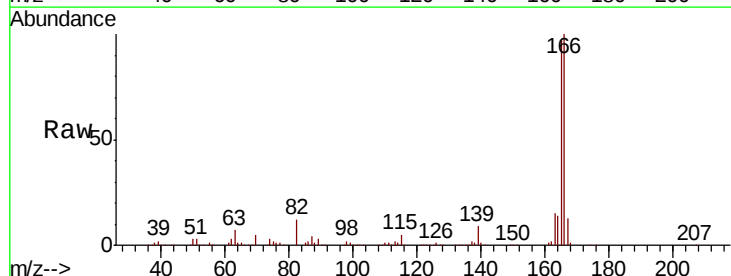


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

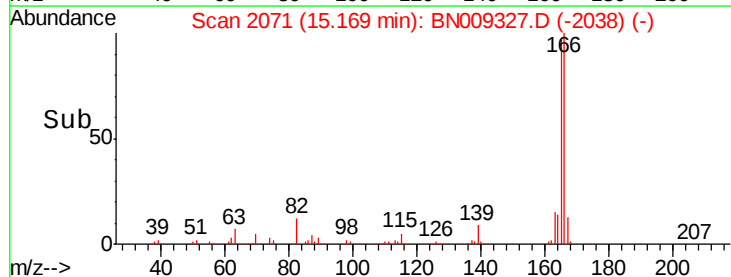
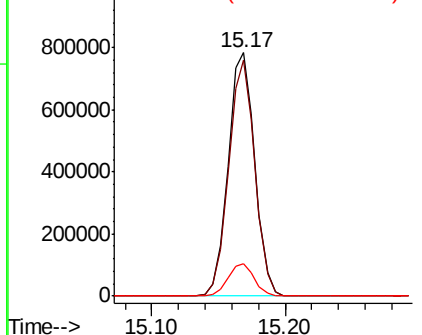


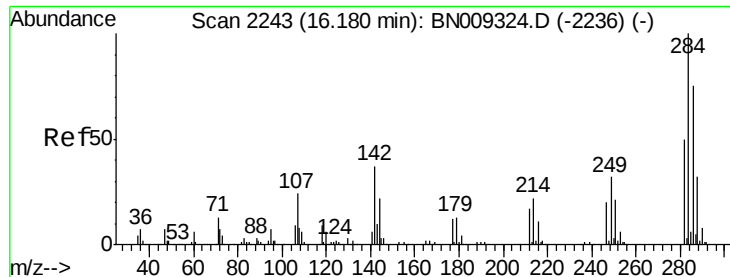
#59
Fluorene
Concen: 19.892 ng/ul
RT: 15.17 min Scan# 2071
Delta R.T. -0.01 min
Lab File: BN009327.D
Acq: 08 Jan 2020 14:06

Tgt Ion:166 Resp: 1090769
Ion Ratio Lower Upper
166 100
165 96.9 75.0 112.6
167 13.3 10.5 15.7



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

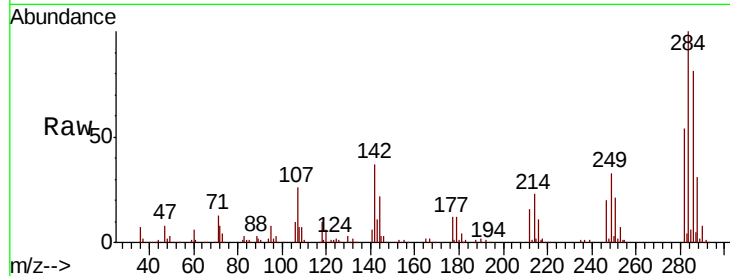




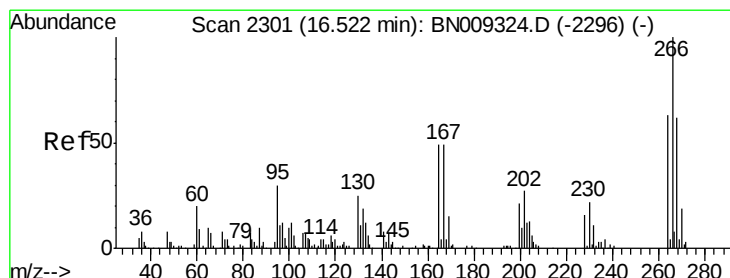
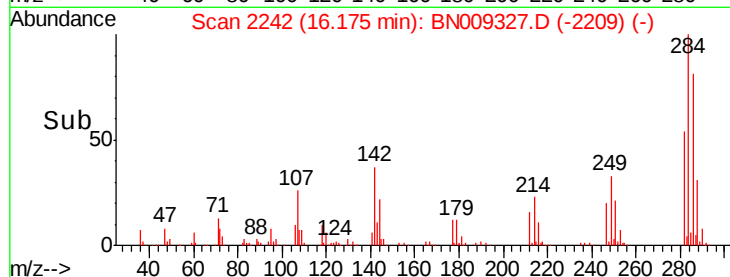
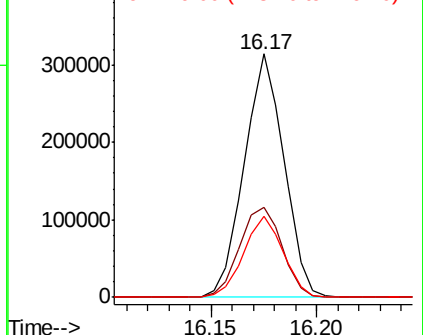
#67
Hexachlorobenzene
Concen: 22.758 ng/ul
RT: 16.17 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BN009327.D
Acq: 08 Jan 2020 14:06

Instrument :
BNA_N
ClientSampleId :
X2K72

Tot Ion	Ratio	Lower	Upper
284	100		
142	37.1	31.6	47.4
249	33.3	25.7	38.5

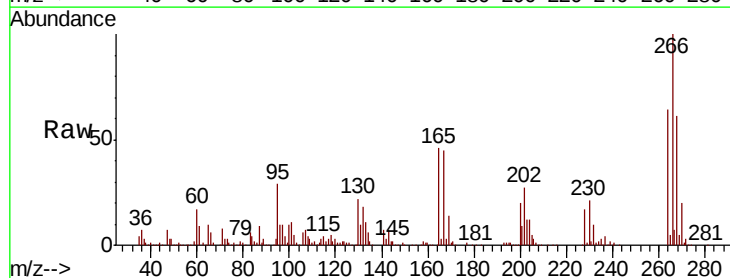


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

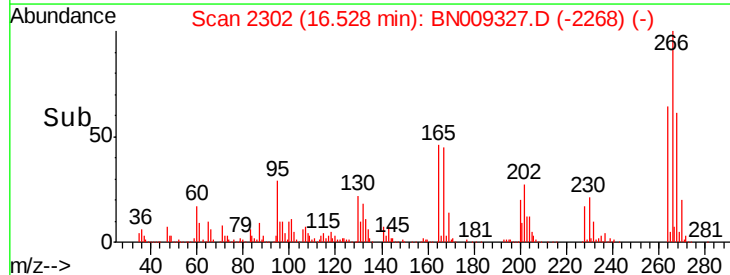
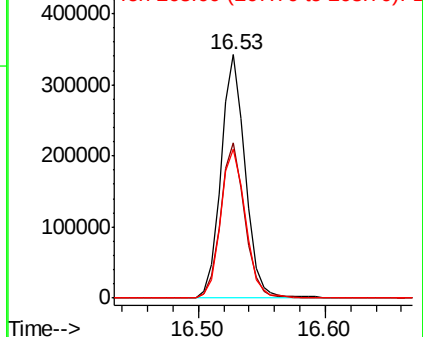


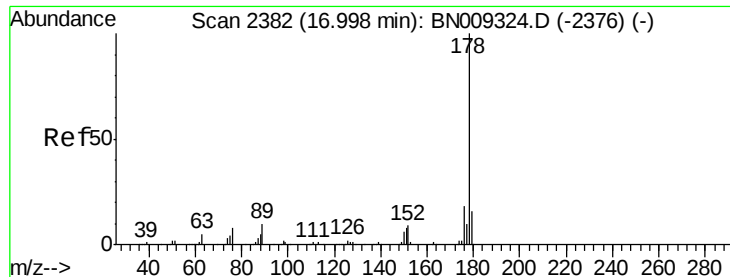
#69
Pentachlorophenol
Concen: 41.496 ng/ul
RT: 16.53 min Scan# 2302
Delta R.T. -0.00 min
Lab File: BN009327.D
Acq: 08 Jan 2020 14:06

Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.6	49.5	74.3
268	61.3	53.7	80.5



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#72

Anthracene

Concen: 16.791 ng/ul

RT: 17.00 min Scan# 2382

Delta R.T. -0.01 min

Lab File: BN009327.D

Acq: 08 Jan 2020 14:06

Instrument :

BNA_N

ClientSampled :

X2K72

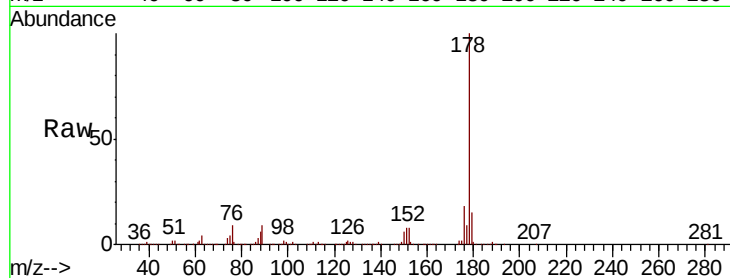
Tot Ion:178 Resp: 1484493

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

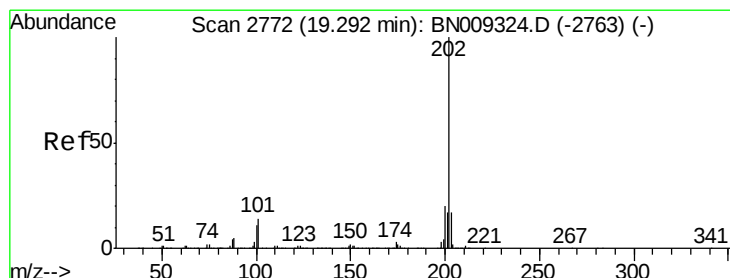
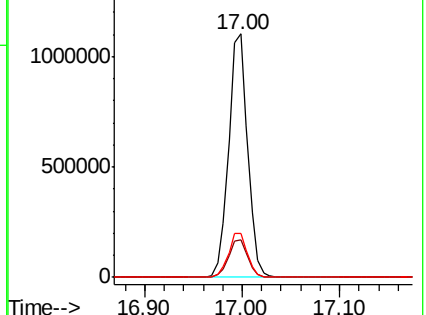
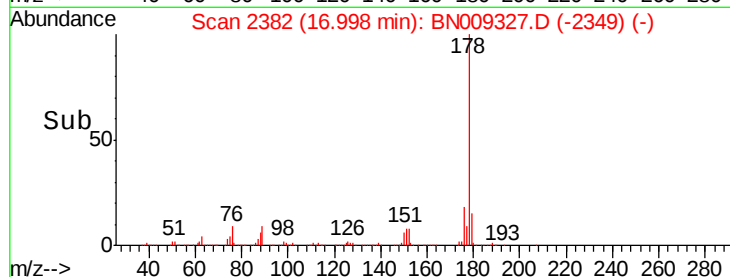
176 18.3 14.8 22.2



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



#80

Pyrene

Concen: 20.365 ng/ul

RT: 19.30 min Scan# 2773

Delta R.T. -0.00 min

Lab File: BN009327.D

Acq: 08 Jan 2020 14:06

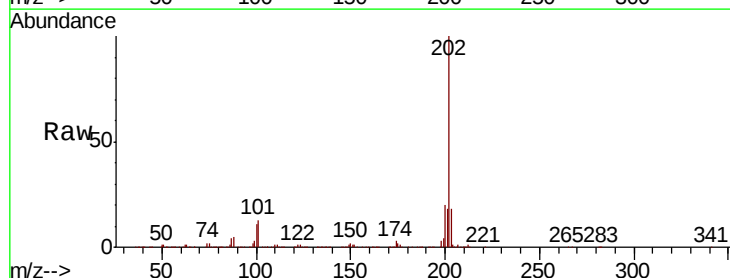
Tgt Ion:202 Resp: 2056406

Ion Ratio Lower Upper

202 100

101 13.4 10.4 15.6

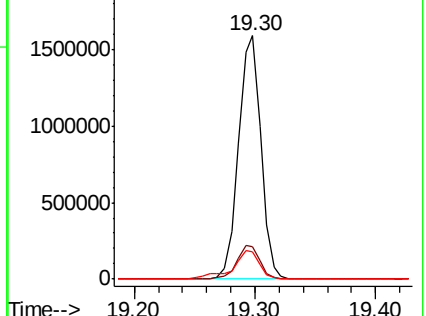
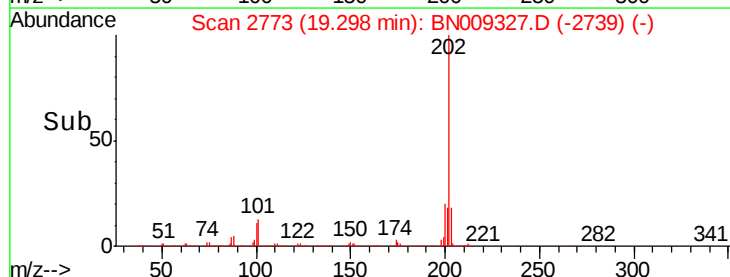
100 11.1 8.6 12.8

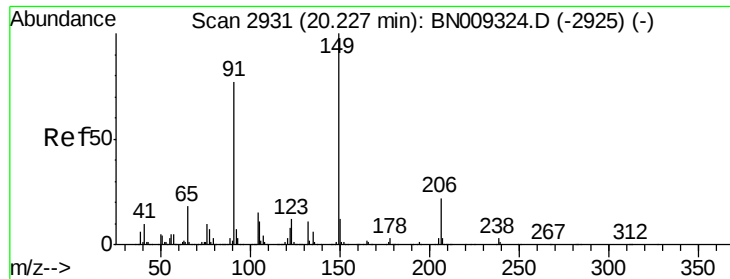


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

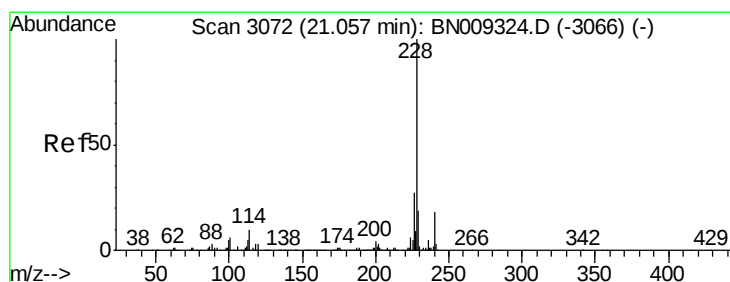
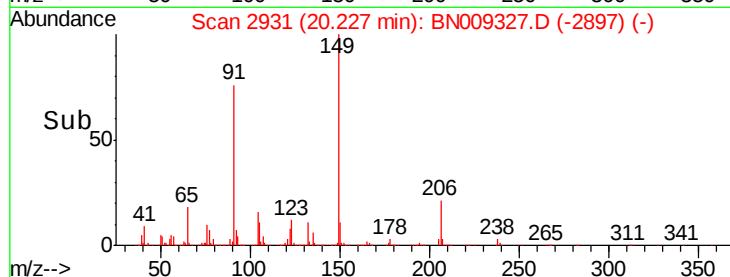
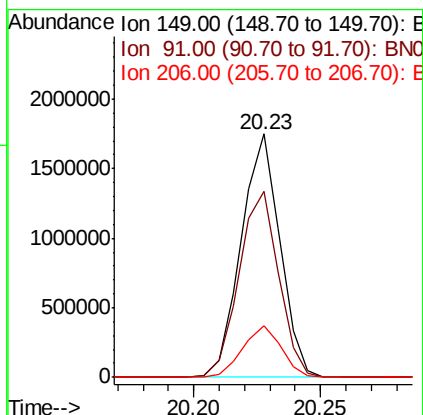
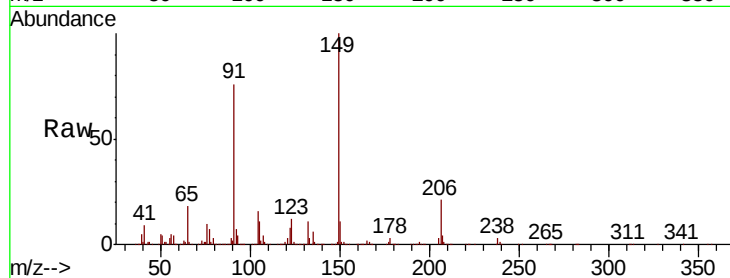




#81
Butylbenzylphthalate
Concen: 44.078 ng/ul
RT: 20.23 min Scan# 2931
Delta R.T. -0.00 min
Lab File: BN009327.D
Acq: 08 Jan 2020 14:06

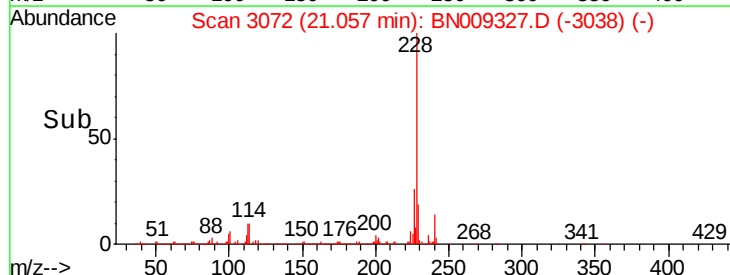
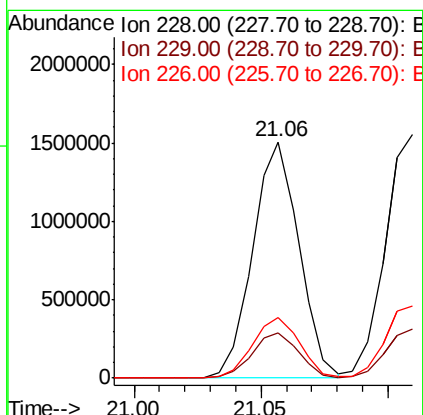
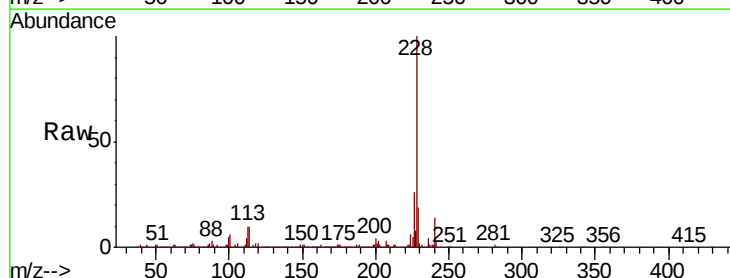
Instrument :
BNA_N
ClientSampleId :
X2K72

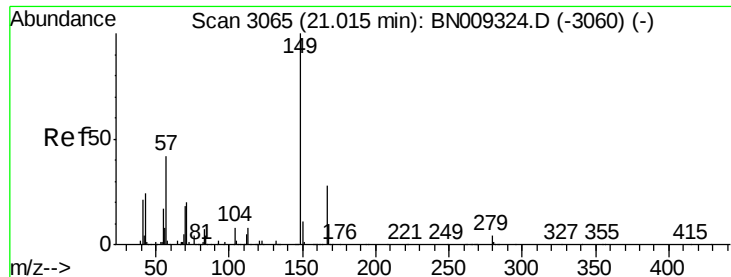
Tot Ion:149 Resp: 1866508
Ion Ratio Lower Upper
149 100
91 76.5 61.9 92.9
206 21.0 16.8 25.2



#83
Benzo(a)anthracene
Concen: 19.934 ng/ul
RT: 21.06 min Scan# 3072
Delta R.T. -0.00 min
Lab File: BN009327.D
Acq: 08 Jan 2020 14:06

Tgt Ion:228 Resp: 1899727
Ion Ratio Lower Upper
228 100
229 18.9 15.4 23.0
226 25.9 21.5 32.3

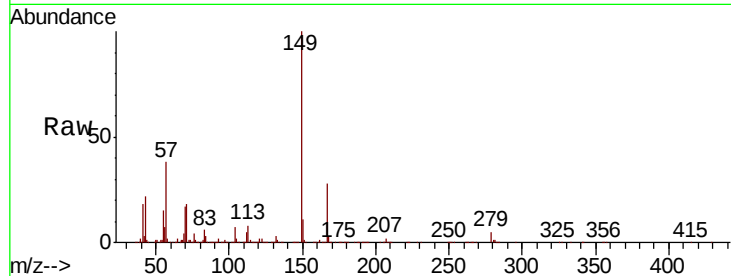




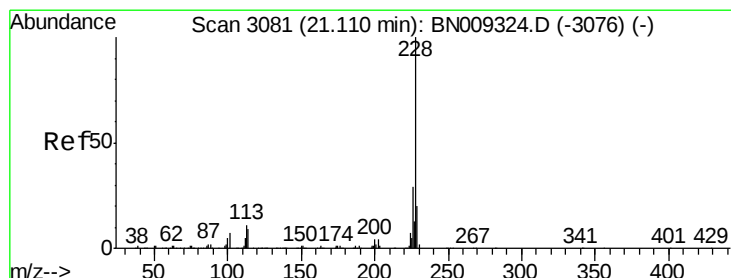
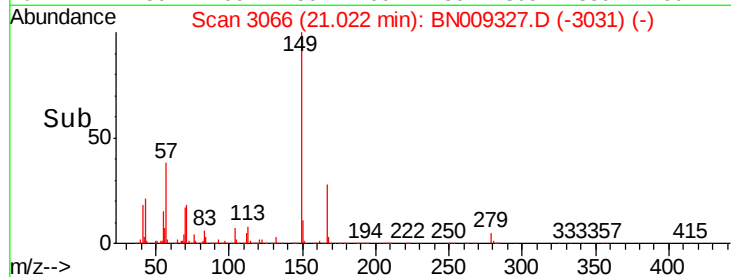
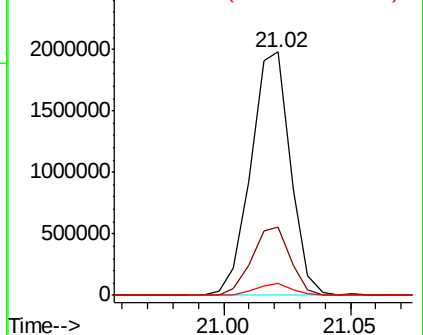
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 33.678 ng/ul
 RT: 21.02 min Scan# 3066
 Delta R.T. 0.01 min
 Lab File: BN009327.D
 Acq: 08 Jan 2020 14:06

Instrument :
 BNA_N
 ClientSampleId :
 X2K72

Tot Ion:149 Resp: 2151209
 Ion Ratio Lower Upper
 149 100
 167 27.8 22.2 33.2
 279 4.9 3.4 5.0

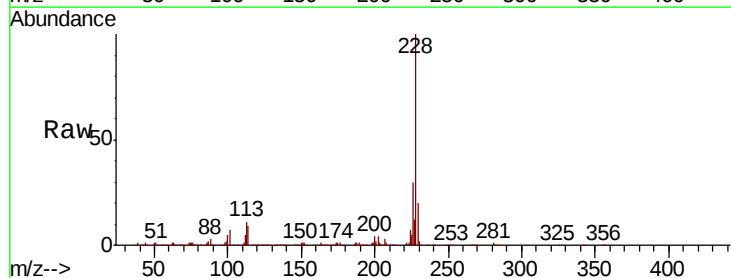


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

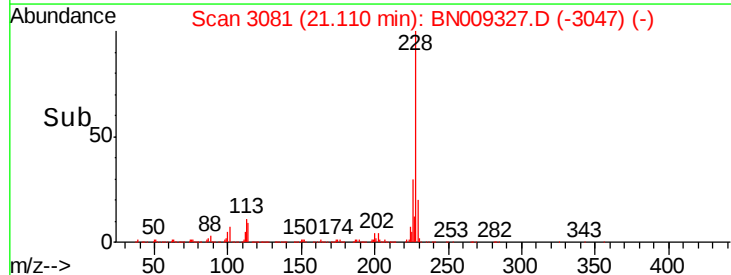
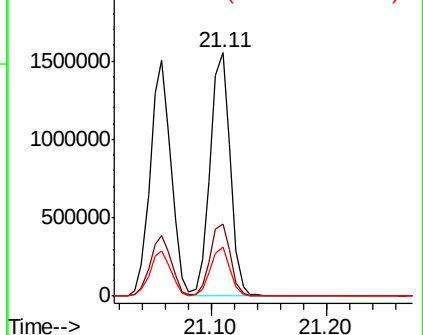


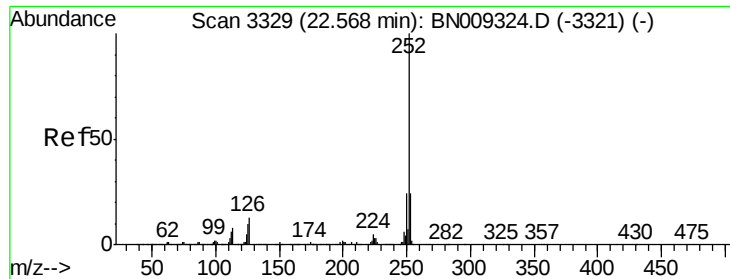
#85
 Chrysene
 Concen: 20.206 ng/ul
 RT: 21.11 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: BN009327.D
 Acq: 08 Jan 2020 14:06

Tgt Ion:228 Resp: 1873876
 Ion Ratio Lower Upper
 228 100
 226 29.7 23.4 35.2
 229 20.1 14.9 22.3



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





#88

Benzo(b)fluoranthene

Concen: 34.745 ng/ul

RT: 22.57 min Scan# 3329

Delta R.T. -0.00 min

Lab File: BN009327.D

Acq: 08 Jan 2020 14:06

Instrument :

BNA_N

ClientSampleId :

X2K72

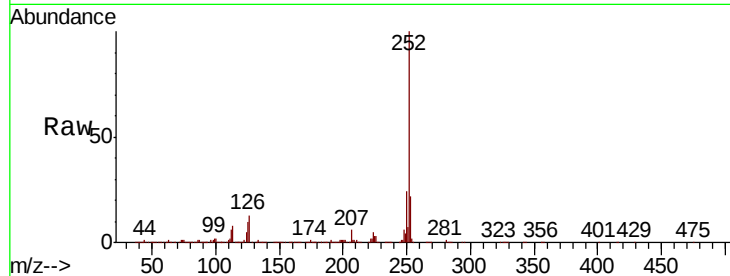
Tot Ion:252 Resp: 3068483

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.6

125 10.0 8.0 12.0

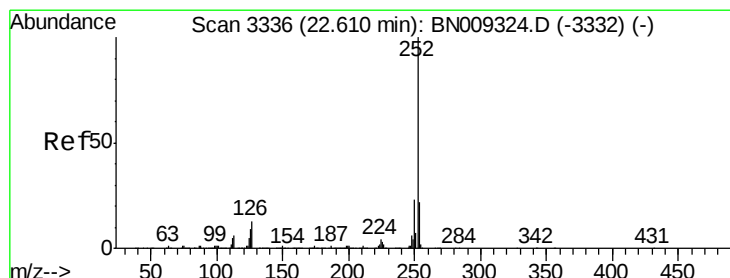
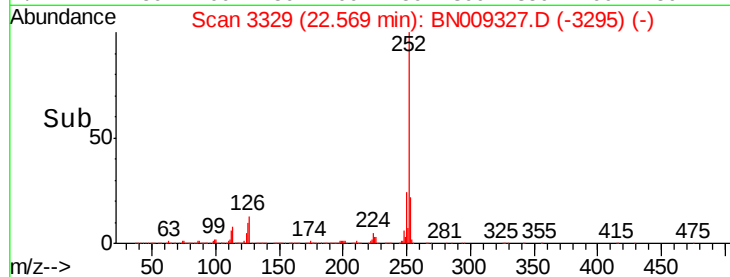
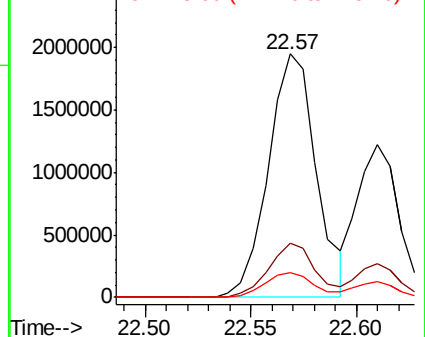


Abundance

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



#89

Benzo(k)fluoranthene

Concen: 19.179 ng/ul

RT: 22.61 min Scan# 3336

Delta R.T. -0.00 min

Lab File: BN009327.D

Acq: 08 Jan 2020 14:06

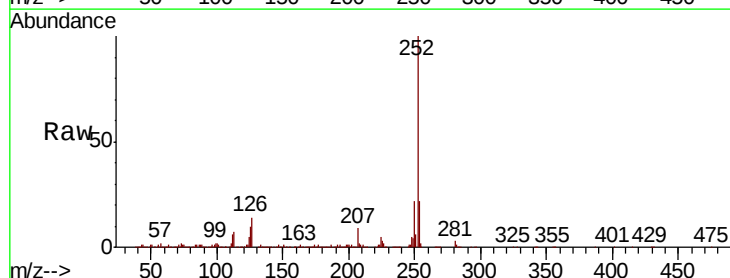
Tgt Ion:252 Resp: 1672484

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

125 10.3 8.2 12.2

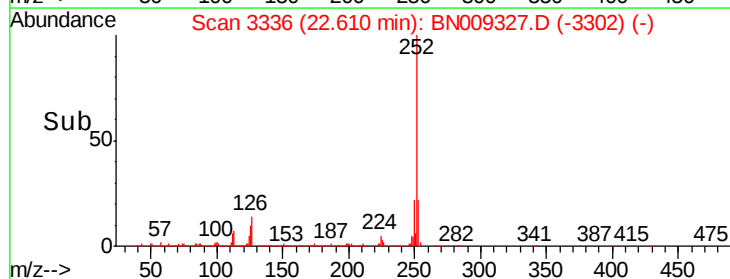
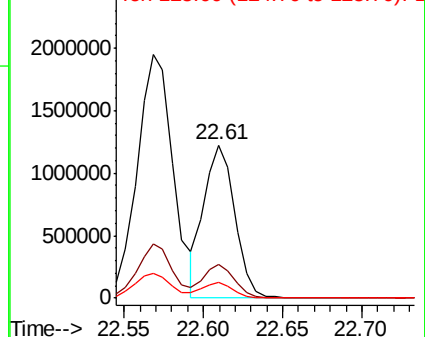


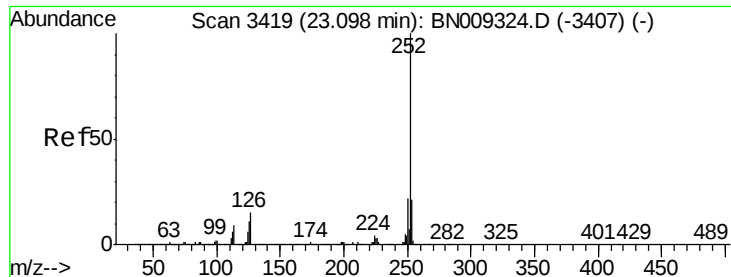
Abundance

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





#91

Benzo(a)pyrene

Concen: 20.300 ng/ul

RT: 23.10 min Scan# 3420

Delta R.T. -0.00 min

Lab File: BN009327.D

Acq: 08 Jan 2020 14:06

Instrument :

BNA_N

ClientSampleId :

X2K72

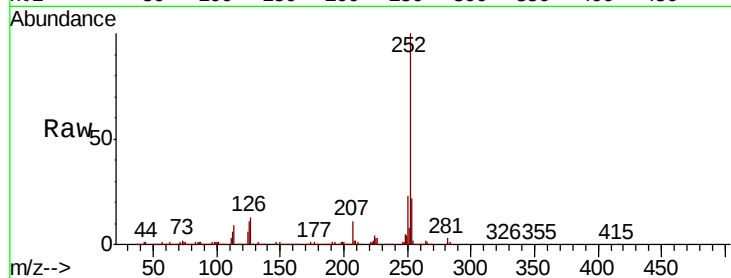
Tot Ion:252 Resp: 1590696

Ion Ratio Lower Upper

252 100

253 21.9 16.5 24.7

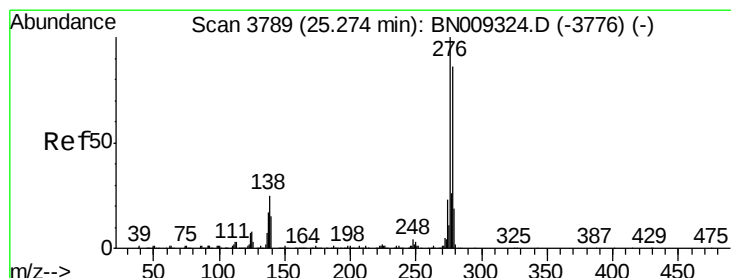
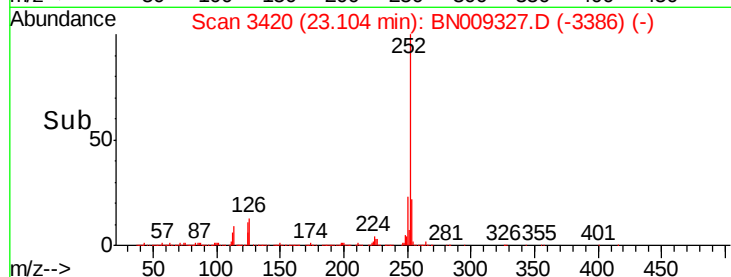
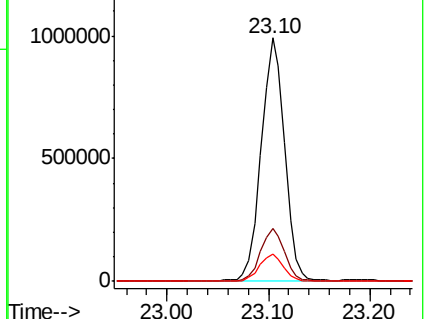
125 11.0 9.3 13.9



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 29.225 ng/ul

RT: 25.29 min Scan# 3791

Delta R.T. 0.01 min

Lab File: BN009327.D

Acq: 08 Jan 2020 14:06

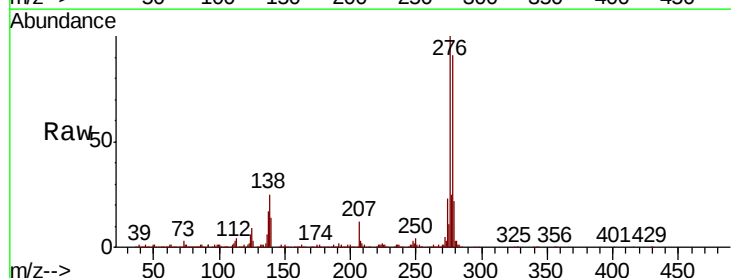
Tgt Ion:276 Resp: 2481601

Ion Ratio Lower Upper

276 100

138 24.5 18.4 27.6

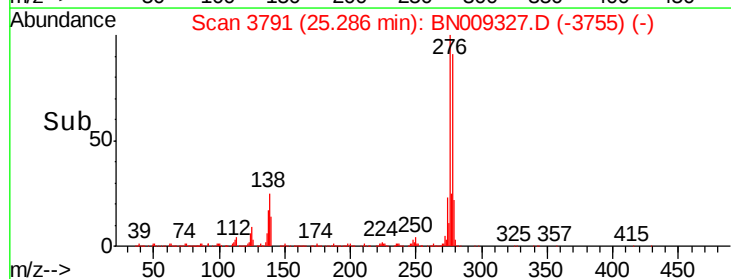
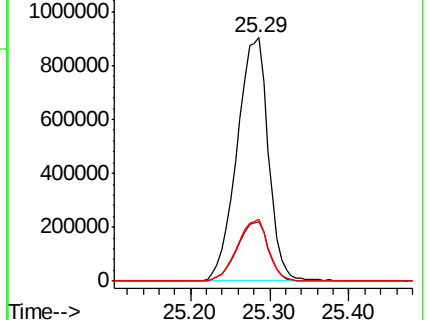
277 25.2 19.1 28.7

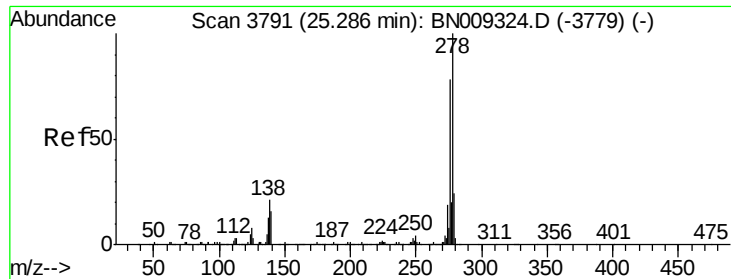


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93
Dibenzo(a,h)anthracene
Concen: 25.576 ng/ul
RT: 25.29 min Scan# 3791
Delta R.T. -0.01 min
Lab File: BN009327.D
Acq: 08 Jan 2020 14:06

Instrument :
BNA_N
ClientSampleId :
X2K72

Tot Ion:278 Resp: 1824522

Ion	Ratio	Lower	Upper
278	100		
139	16.0	12.1	18.1
279	24.8	17.8	26.6

