

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
 Data File : BN005544.D
 Acq On : 08 May 2019 22:18
 Operator : JU/SJ
 Sample : K2603-15DL 25X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 09 02:34:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 07 05:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	205520	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	902432	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	579169	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	71642	20.00	ng/ul	0.09
77) Chrysene-d12	21.20	240	1283209	20.00	ng/ul	-0.01
85) Perylene-d12	23.40	264	1146511	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.21	96	625	0.15	ng/uL	0.00
5) Phenol-d5	6.79	99	10996	0.68	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.95	67	8967	0.89	ng/ul	0.01
9) 2-Chlorophenol-d4	7.13	132	12286	0.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	10257	0.81	ng/ul	0.01
19) Nitrobenzene-d5	8.74	128	6512	1.17	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	5360	0.95	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.01	165	10812	0.84	ng/ul	0.03
29) 4-Chloroaniline-d4	10.46	131	1621	0.12	ng/ul	-0.04
43) Dimethylphthalate-d6	13.64	166	46372	1.10	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	59674	1.16	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	116	0.02	ng/ul	0.00
57) Fluorene-d10	15.22	176	46841	1.33	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	365	1.13	ng/ul	0.03
70) Anthracene-d10	17.07	188	70567	23.50	ng/ul	0.00
78) Pyrene-d10	19.39	212	77278	1.18	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.26	264	53877	1.08	ng/ul	-0.02

Target Compounds

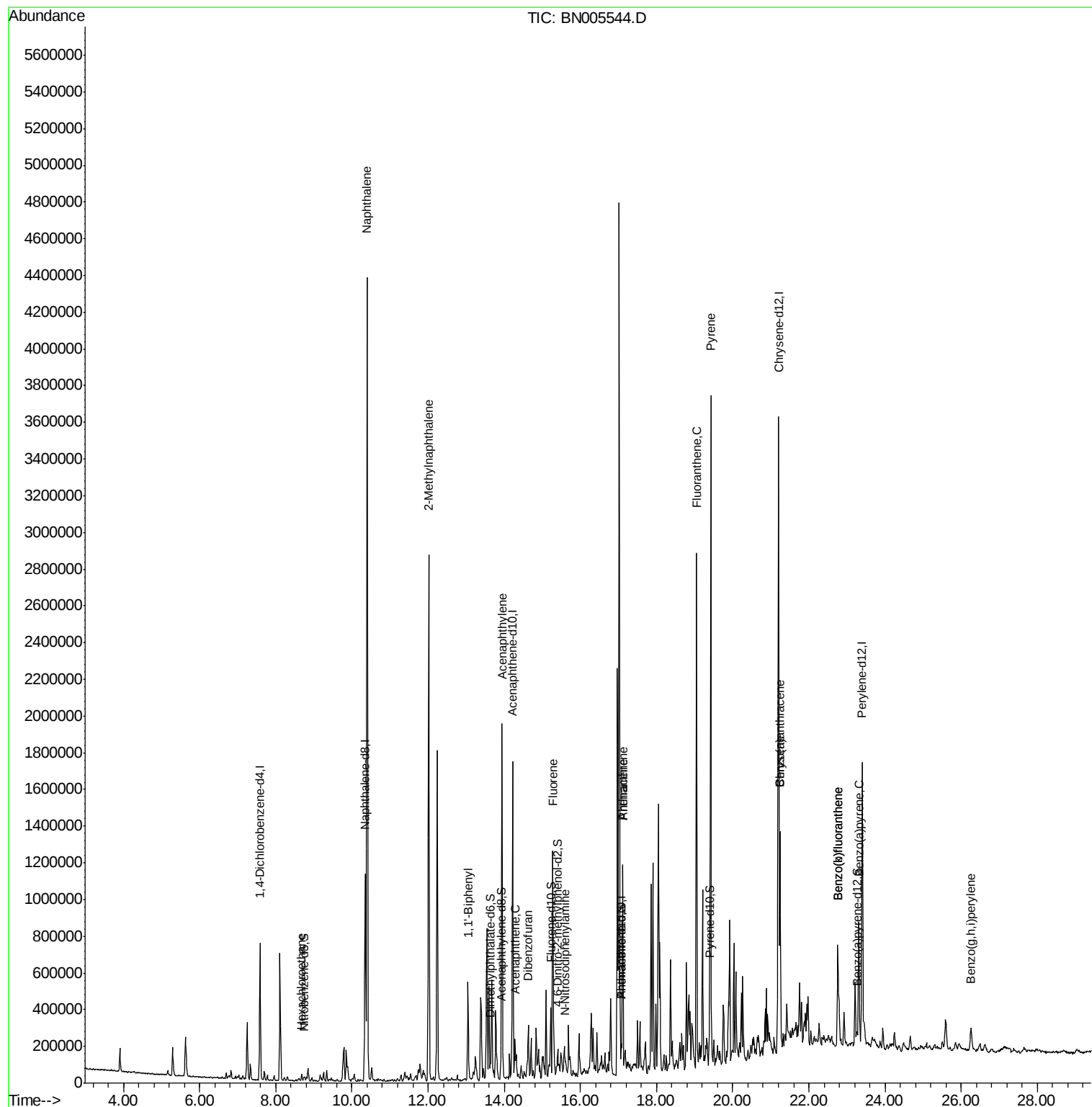
					Ovalue	
17) Hexachloroethane	8.67	117	8856	1.597	ng/ul#	6
28) Naphthalene	10.40	128	3573413	85.177	ng/ul	99
34) 2-Methylnaphthalene	12.02	142	1338602	43.577	ng/ul	99
40) 1,1'-Biphenyl	13.05	154	241260	5.591	ng/ul#	97
47) Acenaphthylene	13.94	152	1298272	25.583	ng/ul	98
49) Acenaphthene	14.29	153	87519	2.526	ng/ul	98
53) Dibenzofuran	14.63	168	90317	1.811	ng/ul	95
58) Fluorene	15.27	166	638784	16.412	ng/ul	96
64) N-Nitrosodiphenylamine	15.60	169	5838	2.977	ng/ul#	33
69) Phenanthrene	17.11	178	765853	219.500	ng/ul	99
71) Anthracene	17.11	178	730638	205.564	ng/ul	99
76) Fluoranthene	19.05	202	1653411	427.232	ng/ul	96
79) Pyrene	19.42	202	2422150	29.316	ng/ul#	94
82) Benzo(a)anthracene	21.24	228	710116	8.895	ng/ul	96
84) Chrysene	21.24	228	721524	9.739	ng/ul	98
87) Benzo(b)fluoranthene	22.76	252	452329	7.018	ng/ul	99
88) Benzo(k)fluoranthene	22.76	252	452329	7.349	ng/ul	99
90) Benzo(a)pyrene	23.31	252	442489	7.304	ng/ul	98
93) Benzo(g,h,i)perylene	26.26	276	147022	2.655	ng/ul	95

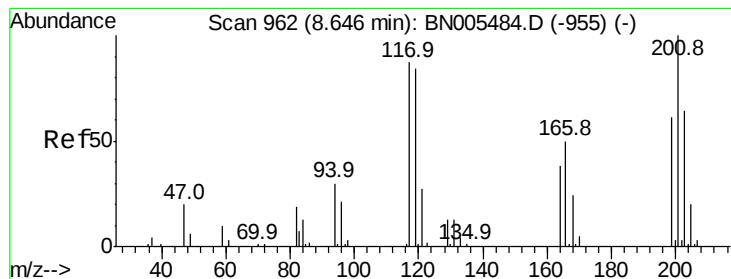
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#17

Hexachloroethane

Concen: 1.597 ng/ul

RT: 8.67 min Scan# 967

Delta R.T. 0.03 min

Lab File: BN005544.D

Acq: 08 May 2019 22:18

Instrument :

BNA_N

ClientSampleId :

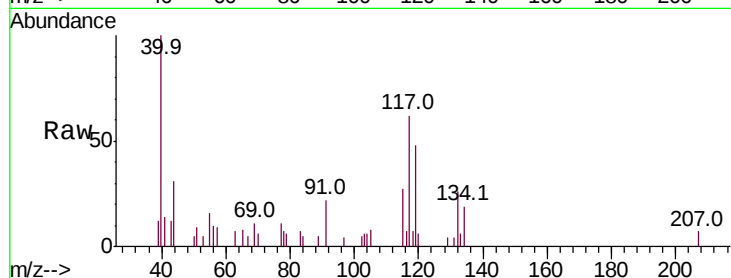
Tot Ion:117 Resp: 8856

Ion Ratio Lower Upper

117 100

201 0.0 84.1 126.1#

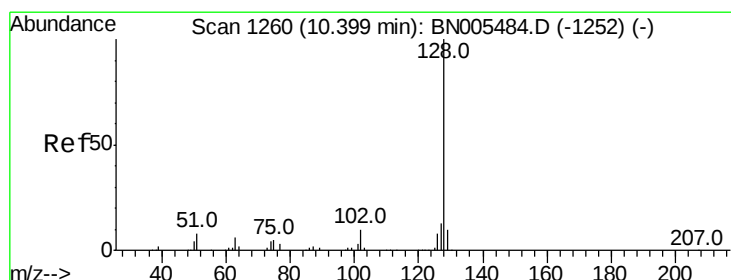
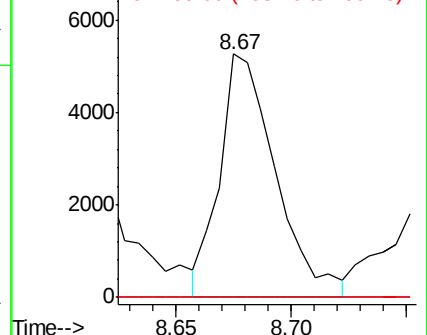
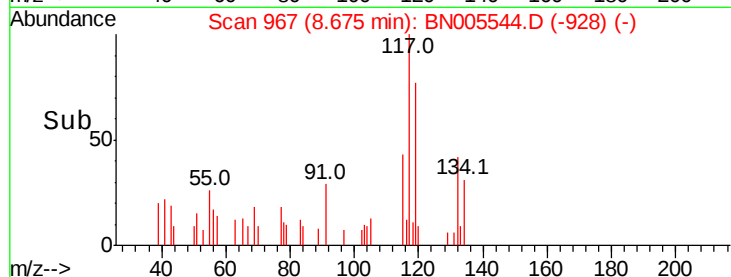
199 0.0 51.2 76.8#



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: 85.177 ng/ul

RT: 10.40 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BN005544.D

Acq: 08 May 2019 22:18

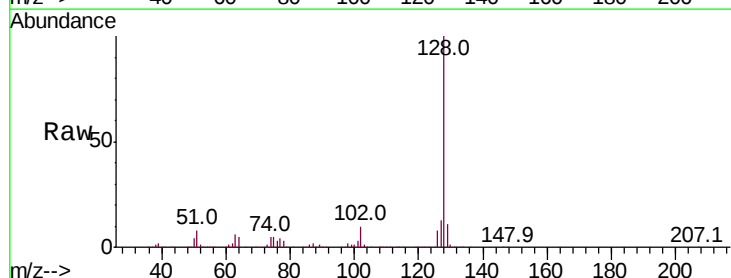
Tgt Ion:128 Resp: 3573413

Ion Ratio Lower Upper

128 100

129 10.8 9.2 13.8

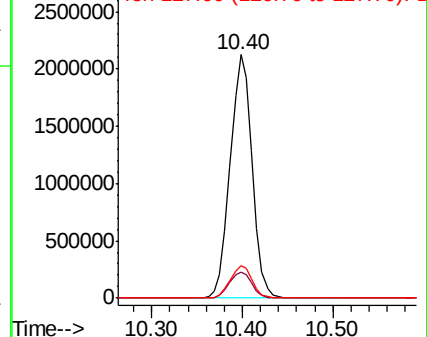
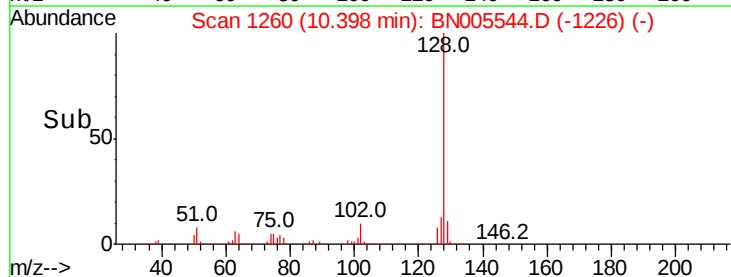
127 13.4 10.7 16.1

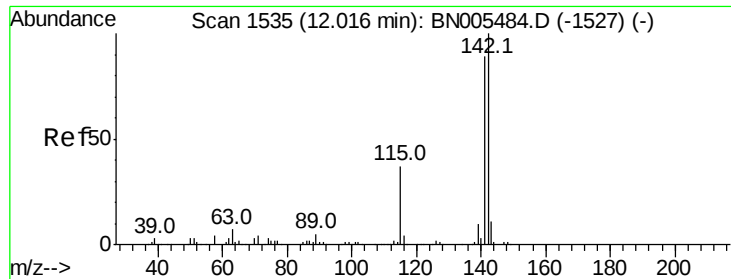


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

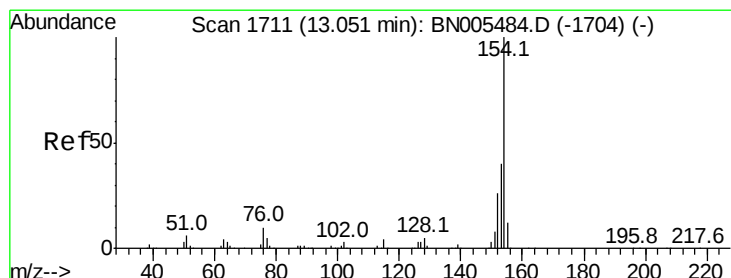
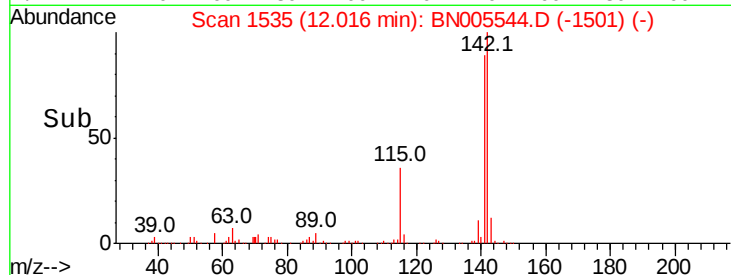
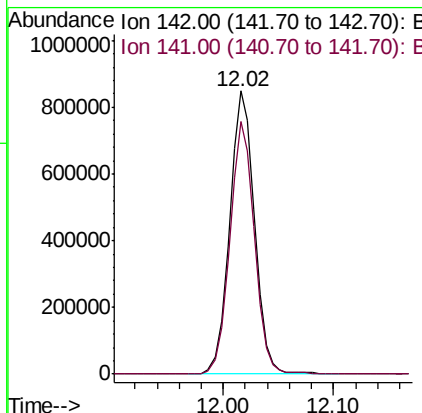
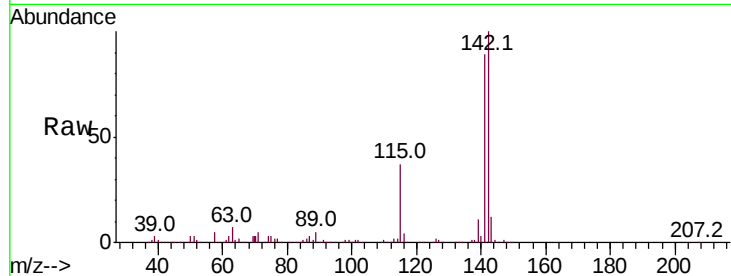




#34
 2-Methylnaphthalene
 Concen: 43.577 ng/ul
 RT: 12.02 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: BN005544.D
 Acq: 08 May 2019 22:18

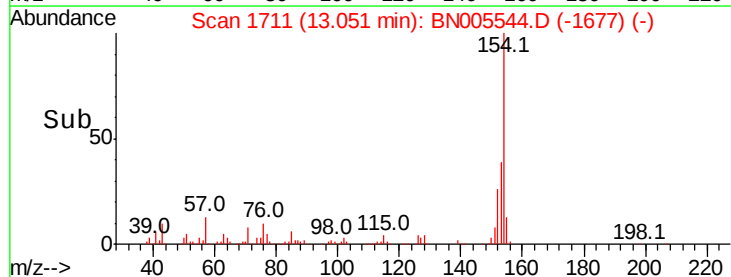
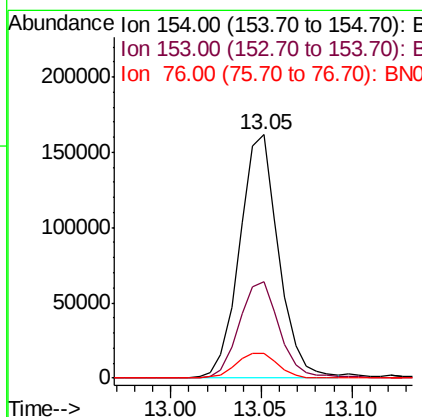
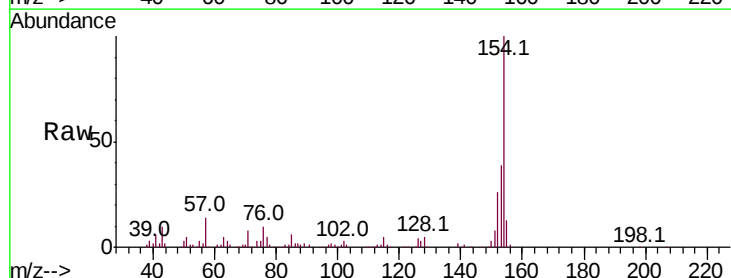
Instrument :
 BNA_N
 ClientSampled :

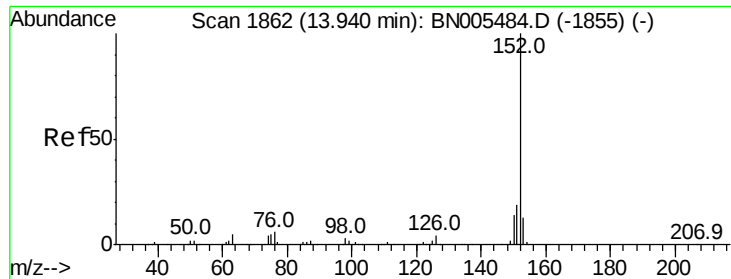
Tot Ion:142 Resp: 1338602
 Ion Ratio Lower Upper
 142 100
 141 89.1 72.0 108.0



#40
 1,1'-Biphenyl
 Concen: 5.591 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.00 min
 Lab File: BN005544.D
 Acq: 08 May 2019 22:18

Tgt Ion:154 Resp: 241260
 Ion Ratio Lower Upper
 154 100
 153 39.5 32.6 49.0
 76 10.2 10.4 15.6#





#47

Acenaphthylene

Concen: 25.583 ng/ul

RT: 13.94 min Scan# 1862

Delta R.T. -0.00 min

Lab File: BN005544.D

Acq: 08 May 2019 22:18

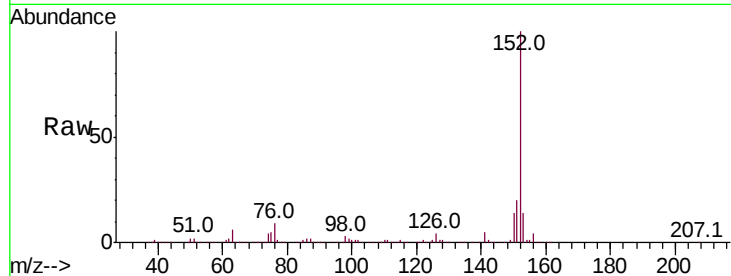
Instrument :

BNA_N

ClientSampled :

Tot Ion:152 Resp: 1298272

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.8	23.8
153	13.8	9.8	14.8

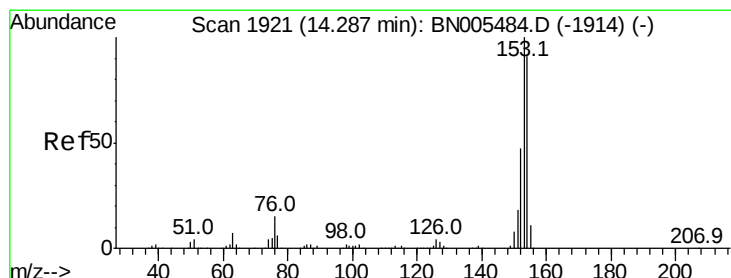
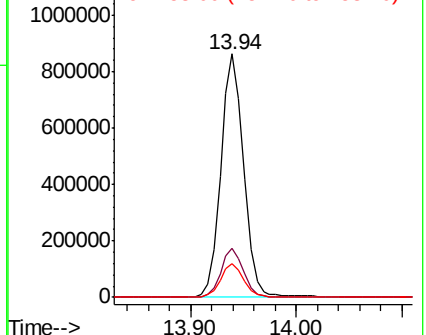
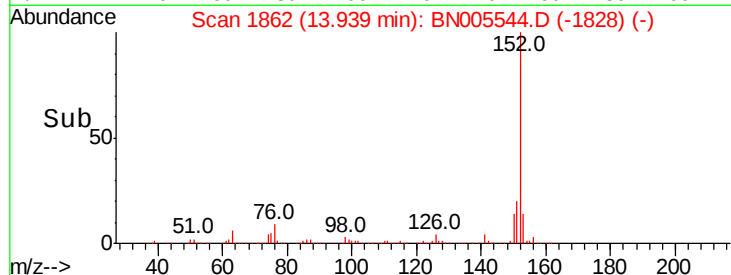


Abundance

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: 2.526 ng/ul

RT: 14.29 min Scan# 1921

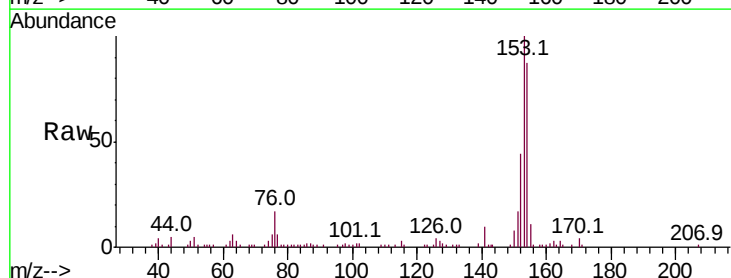
Delta R.T. -0.00 min

Lab File: BN005544.D

Acq: 08 May 2019 22:18

Tgt Ion:153 Resp: 87519

Ion	Ratio	Lower	Upper
153	100		
152	44.5	37.4	56.0
154	87.3	71.2	106.8

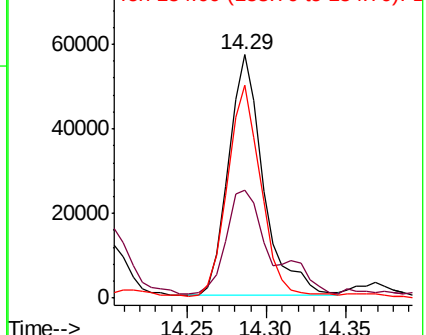
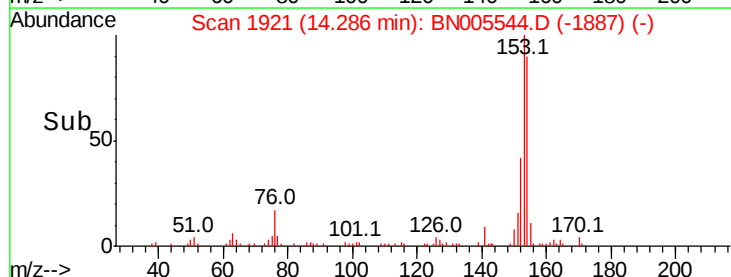


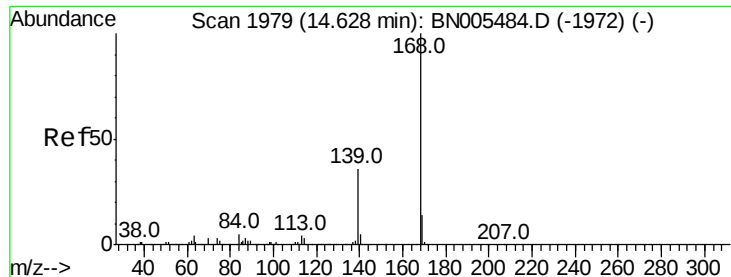
Abundance

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

Dibenzenofuran

Concen: 1.811 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BN005544.D

Acq: 08 May 2019 22:18

Instrument :

BNA_N

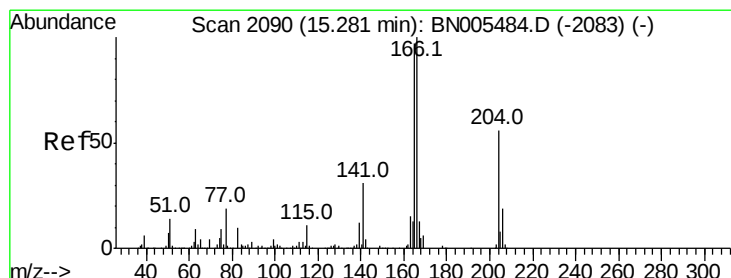
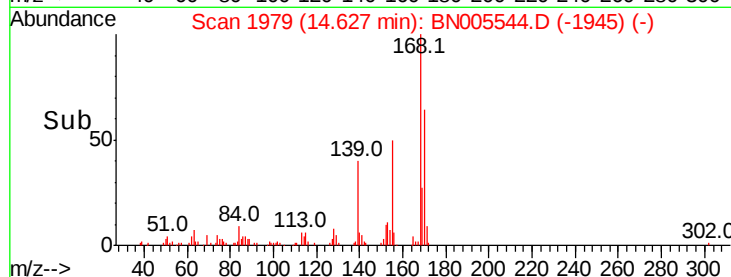
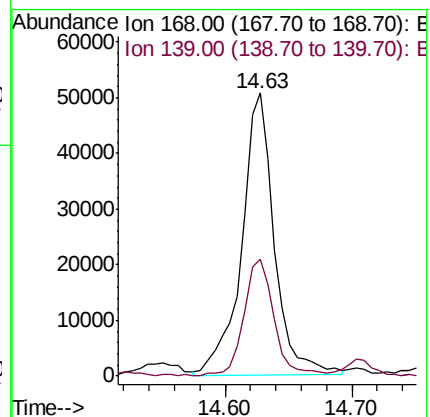
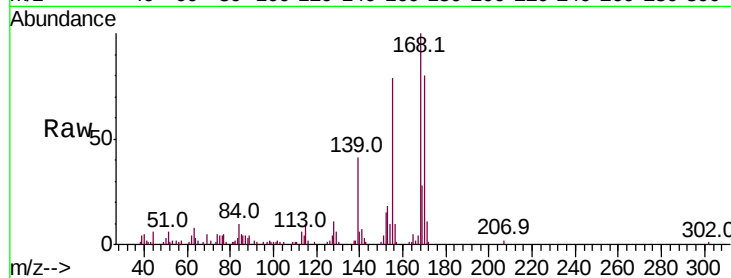
ClientSampled :

Tot Ion:168 Resp: 90317

Ion Ratio Lower Upper

168 100

139 41.5 30.9 46.3



#58

Fluorene

Concen: 16.412 ng/ul

RT: 15.27 min Scan# 2089

Delta R.T. -0.01 min

Lab File: BN005544.D

Acq: 08 May 2019 22:18

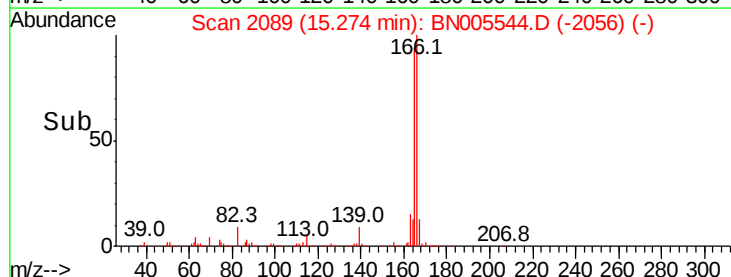
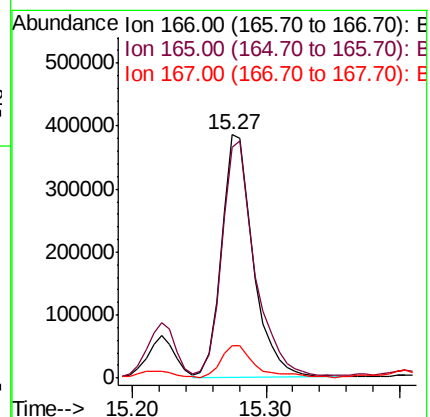
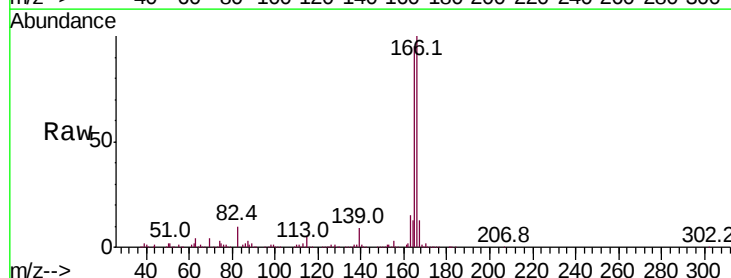
Tgt Ion:166 Resp: 638784

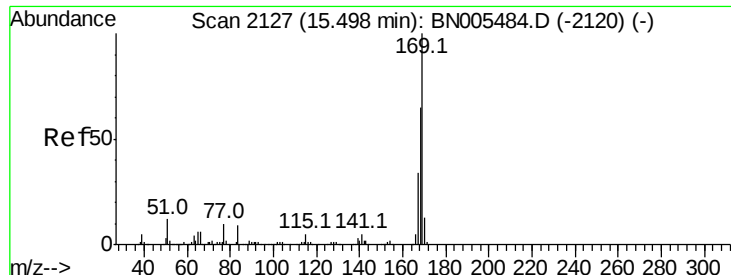
Ion Ratio Lower Upper

166 100

165 95.0 80.0 120.0

167 13.4 10.7 16.1



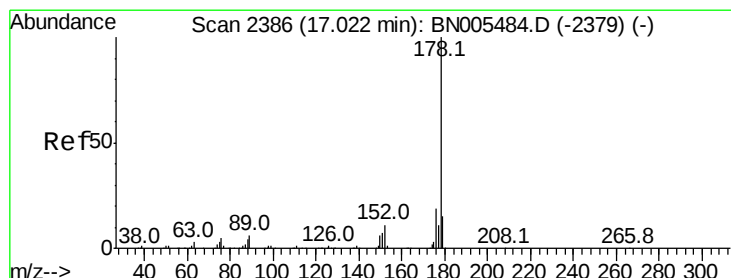
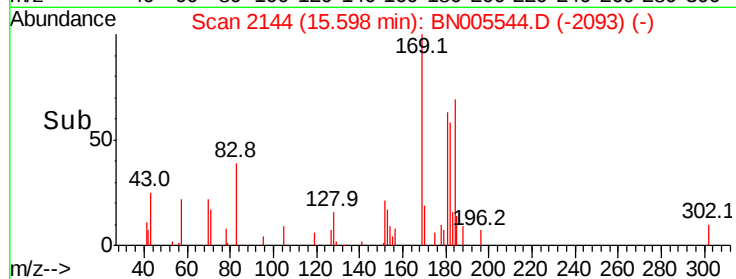
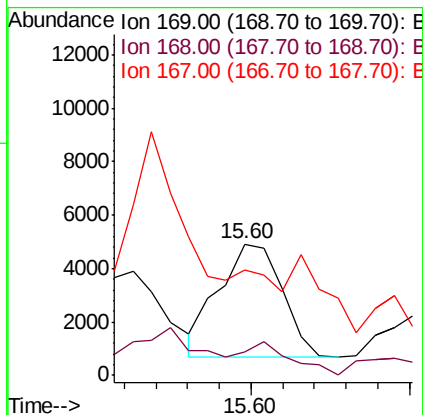
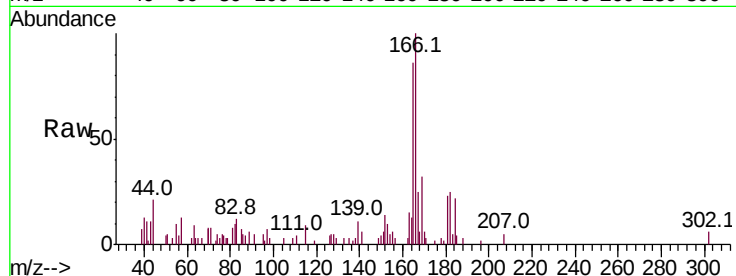


#64

N-Nitrosodiphenylamine
 Concen: 2.977 ng/ul
 RT: 15.60 min Scan# 2144
 Delta R.T. 0.10 min
 Lab File: BN005544.D
 Acq: 08 May 2019 22:18

Instrument :
 BNA_N
 ClientSampleId :

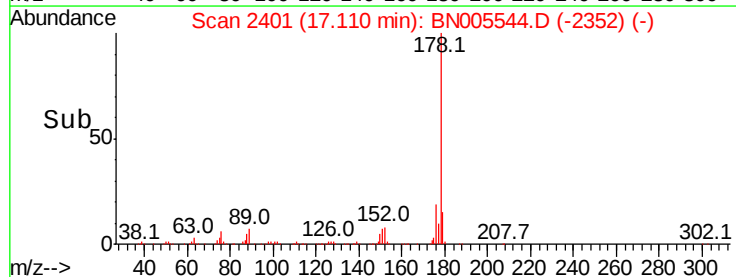
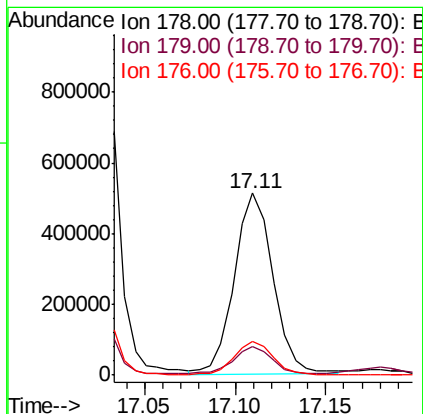
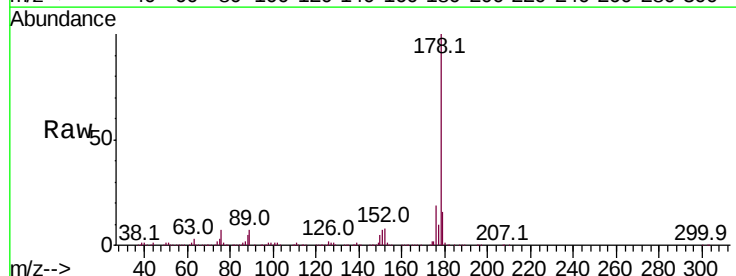
Tot Ion:169 Resp: 5838
 Ion Ratio Lower Upper
 169 100
 168 17.7 52.2 78.2#
 167 80.2 27.7 41.5#

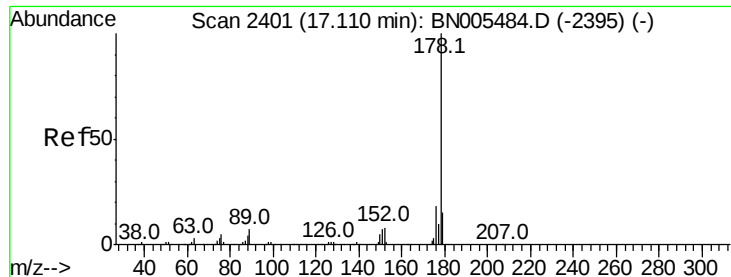


#69

Phenanthrene
 Concen: 219.500 ng/ul
 RT: 17.11 min Scan# 2401
 Delta R.T. 0.09 min
 Lab File: BN005544.D
 Acq: 08 May 2019 22:18

Tgt Ion:178 Resp: 765853
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.2 18.4
 176 18.6 15.1 22.7





#71

Anthracene

Concen: 205.564 ng/ul

RT: 17.11 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BN005544.D

Acq: 08 May 2019 22:18

Instrument :

BNA_N

ClientSampleId :

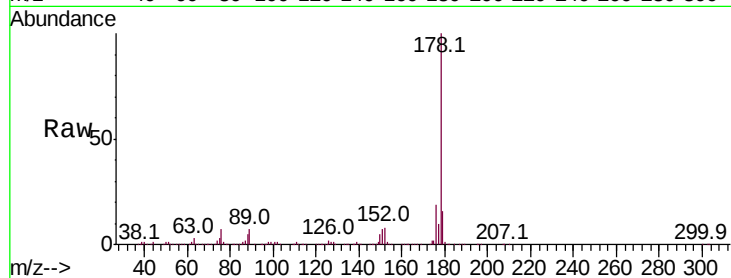
Tot Ion:178 Resp: 730638

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

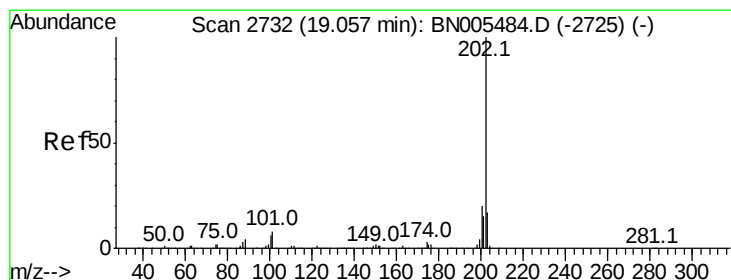
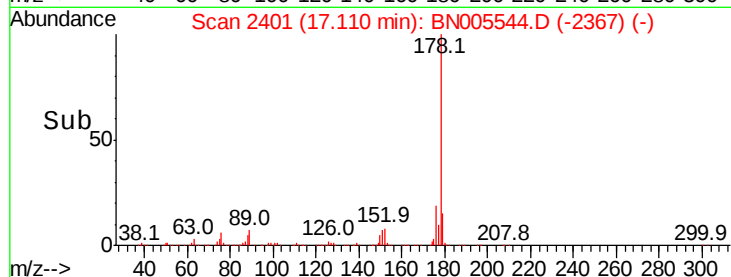
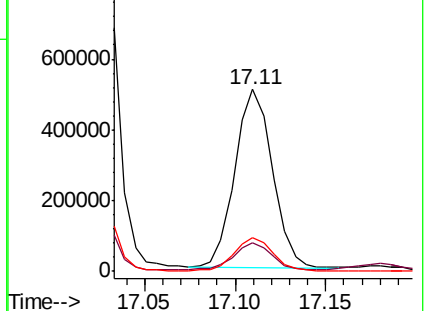
176 18.6 15.1 22.7



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



#76

Fluoranthene

Concen: 427.232 ng/ul

RT: 19.05 min Scan# 2731

Delta R.T. -0.01 min

Lab File: BN005544.D

Acq: 08 May 2019 22:18

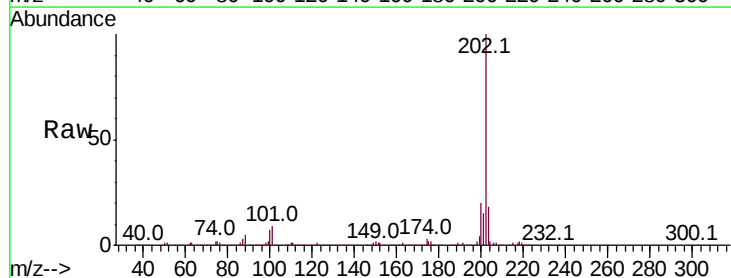
Tgt Ion:202 Resp: 1653411

Ion Ratio Lower Upper

202 100

101 8.9 8.6 12.8

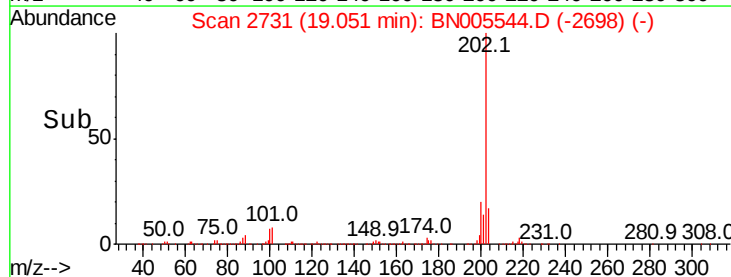
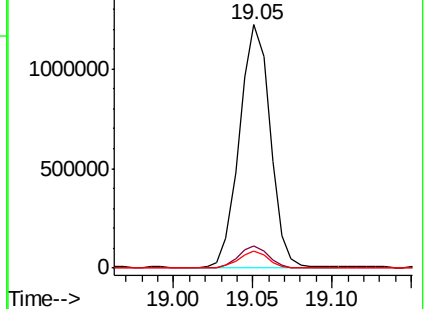
100 6.9 6.3 9.5

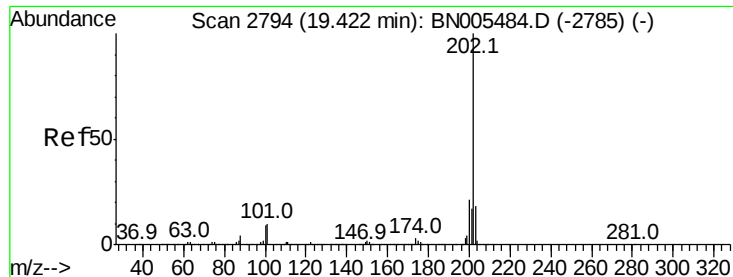


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



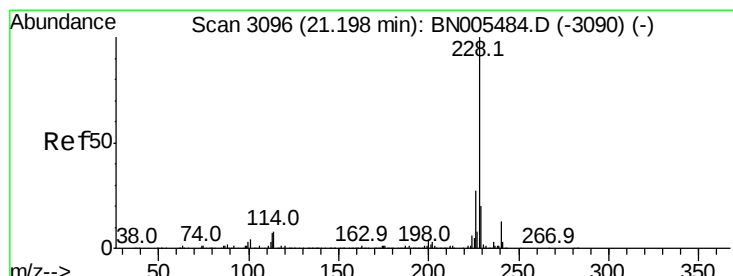
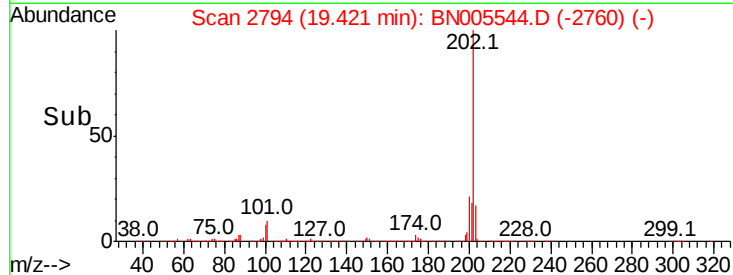
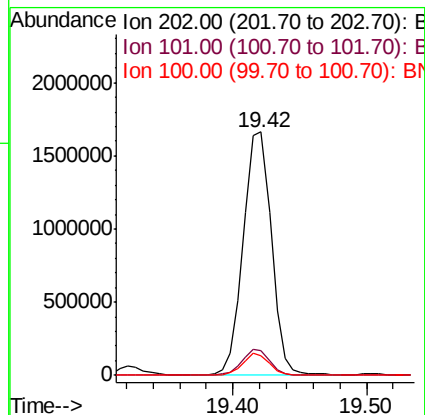
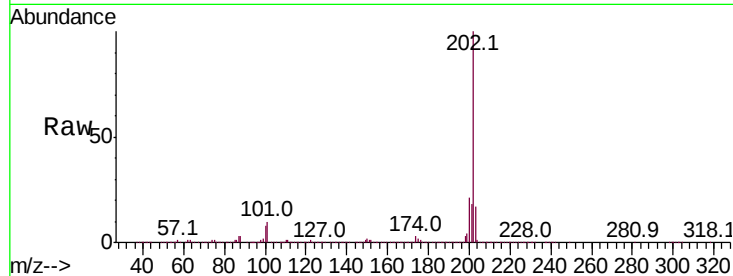


#79
 Pvrene
 Concen: 29.316 ng/ul
 RT: 19.42 min Scan# 2794
 Delta R.T. -0.00 min
 Lab File: BN005544.D
 Acq: 08 May 2019 22:18

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:202 Resp: 2422150

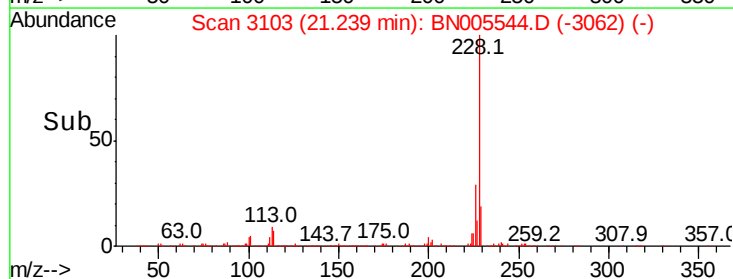
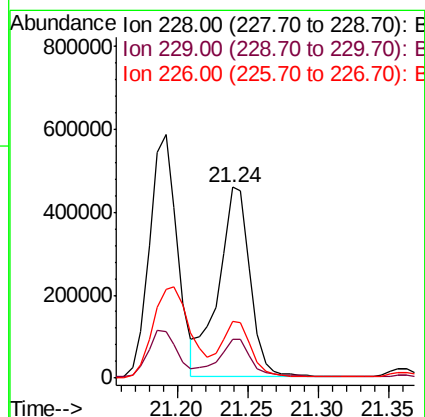
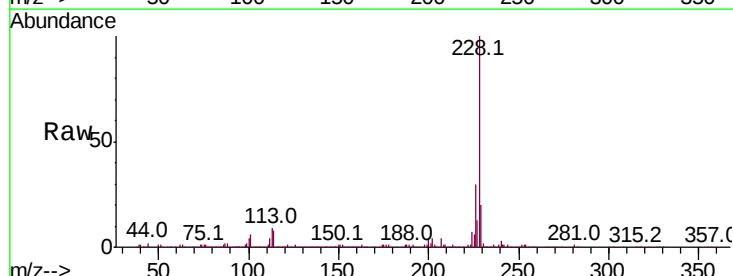
Ion	Ratio	Lower	Upper
202	100		
101	9.9	10.3	15.5#
100	8.1	7.9	11.9

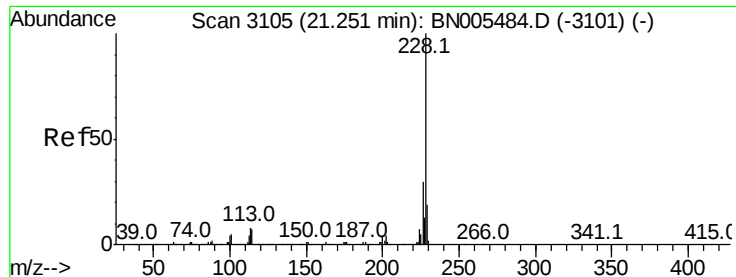


#82
 Benzo(a)anthracene
 Concen: 8.895 ng/ul
 RT: 21.24 min Scan# 3103
 Delta R.T. 0.04 min
 Lab File: BN005544.D
 Acq: 08 May 2019 22:18

Tgt Ion:228 Resp: 710116

Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.8	23.6
226	29.7	21.4	32.2





#84

Chrysene

Concen: 9.739 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BN005544.D

Acq: 08 May 2019 22:18

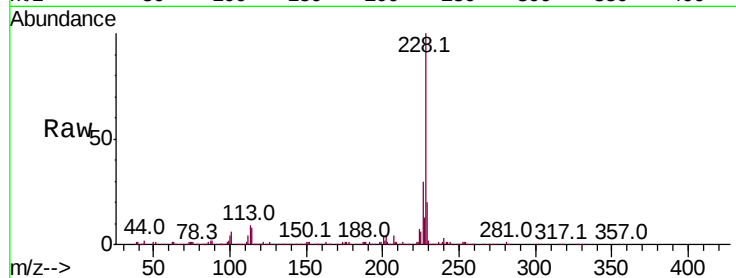
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 721524

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	20.5	15.4	23.0

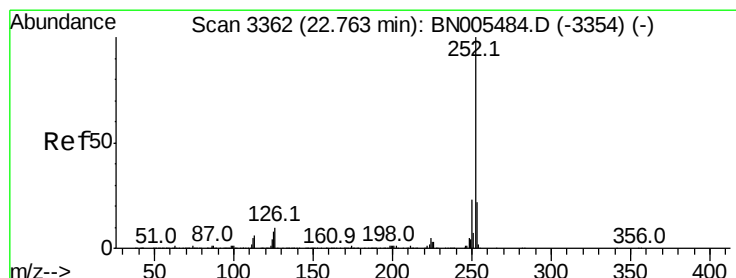
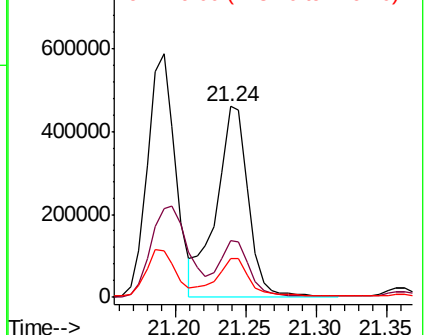
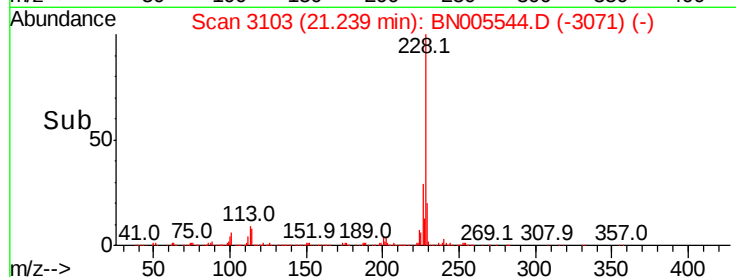


Abundance

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: 7.018 ng/ul

RT: 22.76 min Scan# 3361

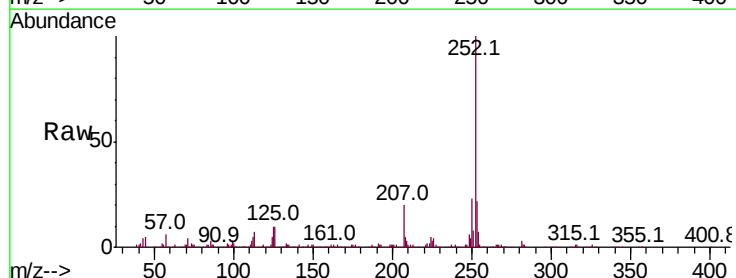
Delta R.T. -0.01 min

Lab File: BN005544.D

Acq: 08 May 2019 22:18

Tgt Ion:252 Resp: 452329

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.8	8.4	12.6

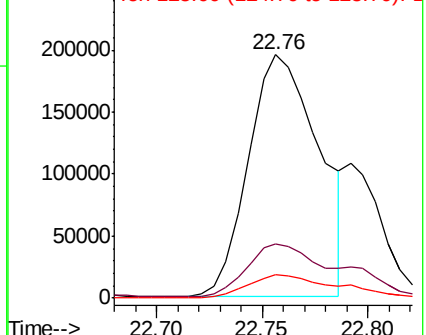
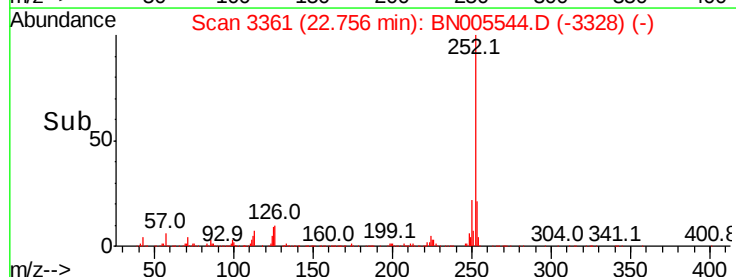


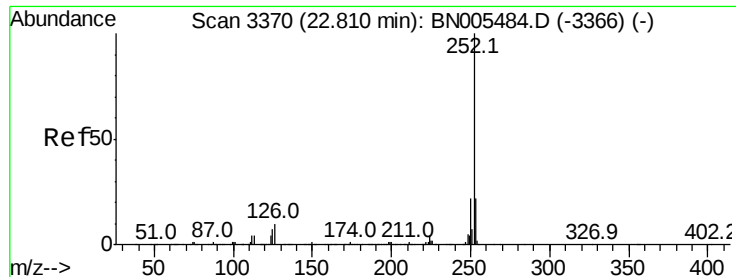
Abundance

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

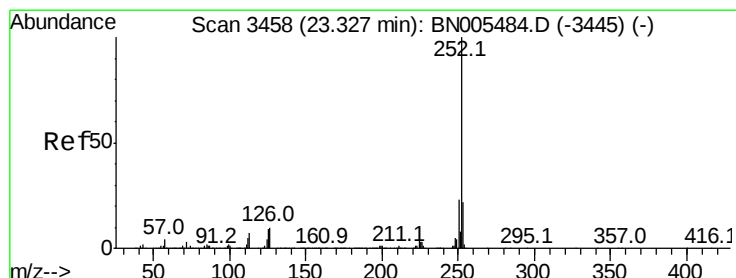
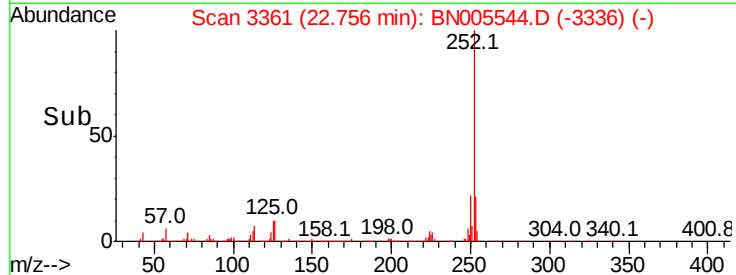
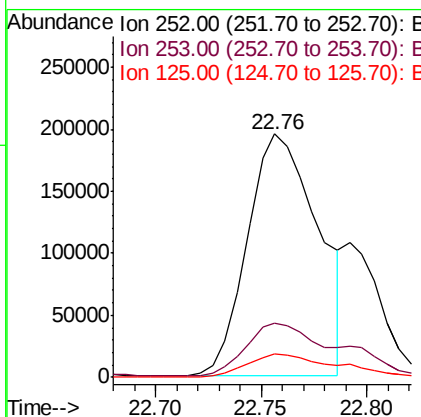
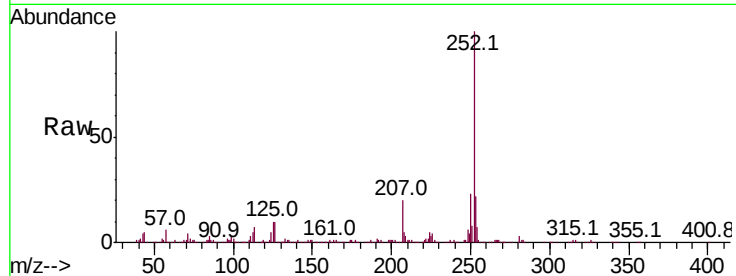




#88
Benzo(k)fluoranthene
Concen: 7.349 ng/ul
RT: 22.76 min Scan# 3361
Delta R.T. -0.05 min
Lab File: BN005544.D
Acq: 08 May 2019 22:18

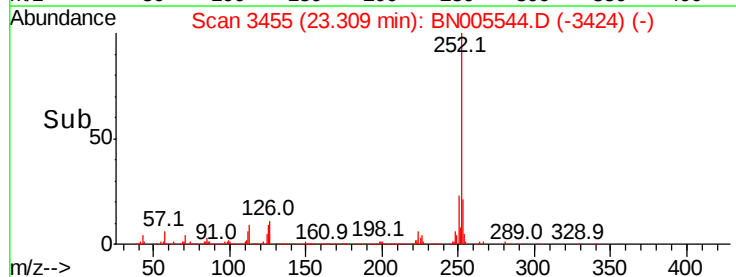
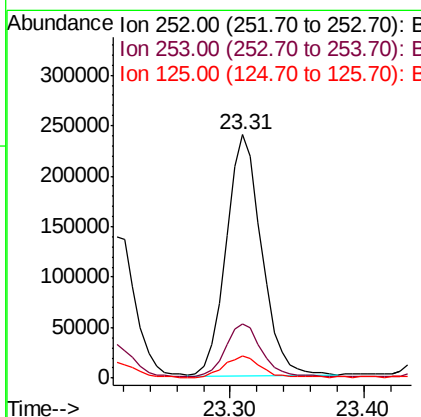
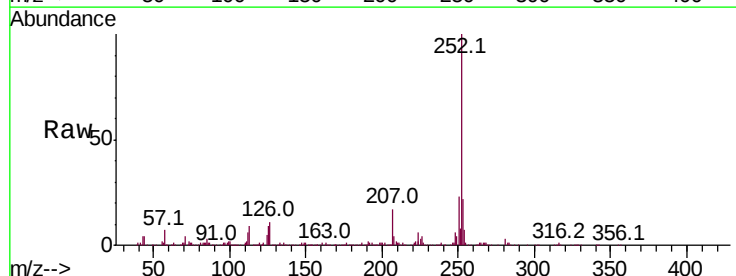
Instrument :
BNA_N
ClientSampleId :

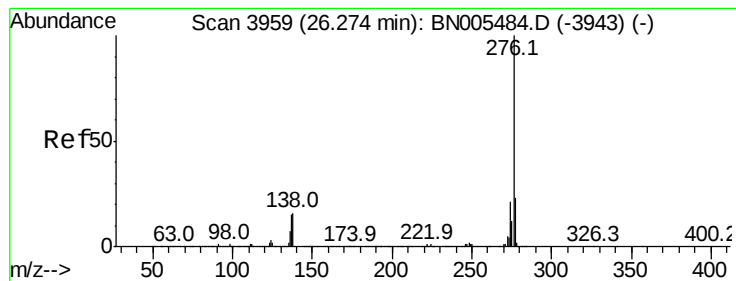
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	9.8	7.5	11.3



#90
Benzo(a)pyrene
Concen: 7.304 ng/ul
RT: 23.31 min Scan# 3455
Delta R.T. -0.02 min
Lab File: BN005544.D
Acq: 08 May 2019 22:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	9.0	8.6	13.0





#93

Benzo(a,h,i)perylene

Concen: 2.655 ng/ul

RT: 26.26 min Scan# 3956

Delta R.T. -0.02 min

Lab File: BN005544.D

Acq: 08 May 2019 22:18

Instrument :

BNA_N

ClientSampleId :

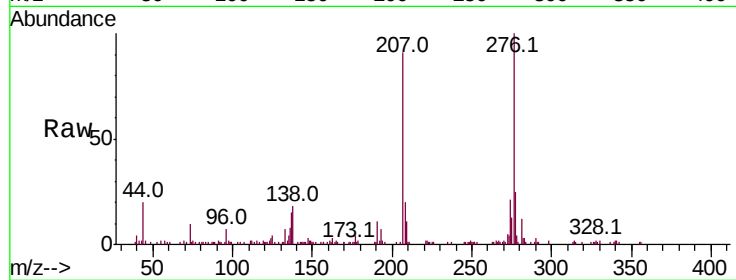
Tot Ion:276 Resp: 147022

Ion Ratio Lower Upper

276 100

138 17.7 16.7 25.1

277 24.7 18.2 27.2



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

