

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020620\
 Data File : BN009615.D
 Acq On : 06 Feb 2020 18:35
 Operator : CG/JU
 Sample : L1323-18DL2 25X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 06 21:09:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Feb 03 16:39:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	151605	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.19	136	642818	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.07	164	396025	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.83	188	813221	20.00	ng/ul	0.00
77) Chrysene-d12	21.04	240	741857	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	810282	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	273	0.07	ng/uL	0.02
5) Phenol-d5	6.65	99	9638	0.73	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.80	67	7636	0.86	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	7588	0.78	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	6821	0.65	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	3103	0.65	ng/ul	0.00
22) 2-Nitrophenol-d4	9.30	143	3533	0.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	5545	0.55	ng/ul	0.02
29) 4-Chloroaniline-d4	10.35	131	10069	0.94	ng/ul	0.01
43) Dimethylphthalate-d6	13.50	166	26867	0.93	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	29589	0.85	ng/ul	-0.01
51) 4-Nitrophenol-d4	14.35	143	125	0.02	ng/ul	0.04
57) Fluorene-d10	15.07	176	24747	0.97	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	389	0.08	ng/ul	0.01
70) Anthracene-d10	16.83	188	813221	22.01	ng/ul	-0.11
78) Pyrene-d10	19.23	212	40490	1.04	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.02	264	42079	1.05	ng/ul	0.00

Target Compounds

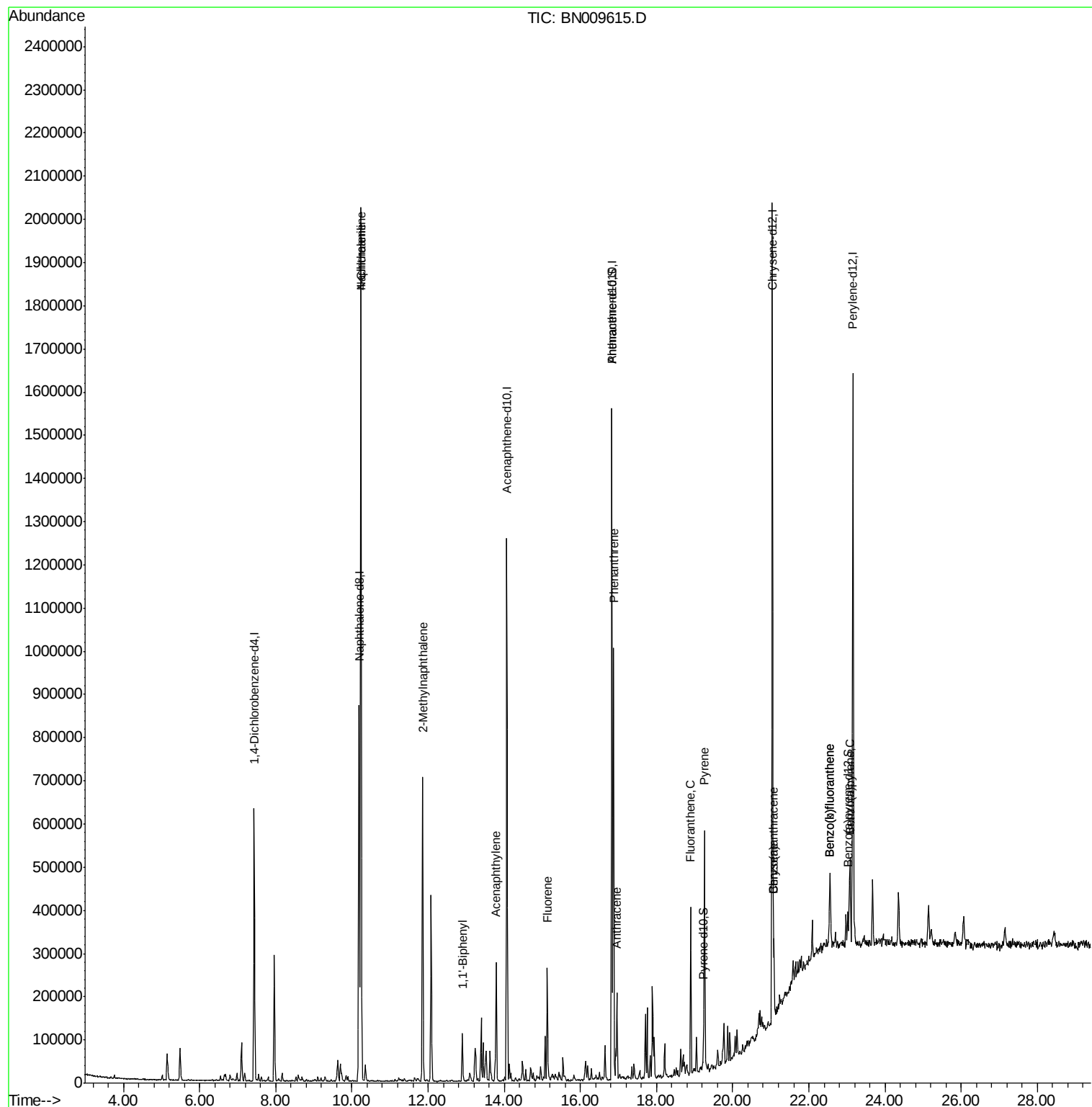
					Ovalue	
28) Naphthalene	10.23	128	1439533	41.295	ng/ul	99
30) 4-Chloroaniline	10.23	127	184562	16.632	ng/ul#	7
34) 2-Methylnaphthalene	11.86	142	325697	13.351	ng/ul	95
40) 1,1'-Biphenyl	12.90	154	51776	1.679	ng/ul#	95
47) Acenaphthylene	13.79	152	170455	4.459	ng/ul	97
58) Fluorene	15.13	166	117870	3.897	ng/ul	93
69) Phenanthrene	16.87	178	553045	11.925	ng/ul	98
71) Anthracene	16.96	178	124044	2.636	ng/ul	100
76) Fluoranthene	18.90	202	208644	3.942	ng/ul	98
79) Pyrene	19.26	202	315249	5.821	ng/ul	97
82) Benzo(a)anthracene	21.07	228	90405	1.765	ng/ul	98
84) Chrysene	21.07	228	90405	1.773	ng/ul	95
87) Benzo(b)fluoranthene	22.54	252	71955	1.419	ng/ul#	90
88) Benzo(k)fluoranthene	22.54	252	71955	1.441	ng/ul#	89
90) Benzo(a)pyrene	23.06	252	79694	1.697	ng/ul#	88

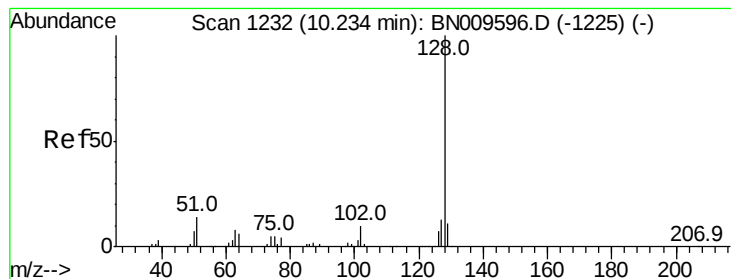
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 03 16:39:56 2020
Response via : Initial Calibration





#28

Naphthalene

Concen: 41.295 ng/ul

RT: 10.23 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BN009615.D

Acq: 06 Feb 2020 18:35

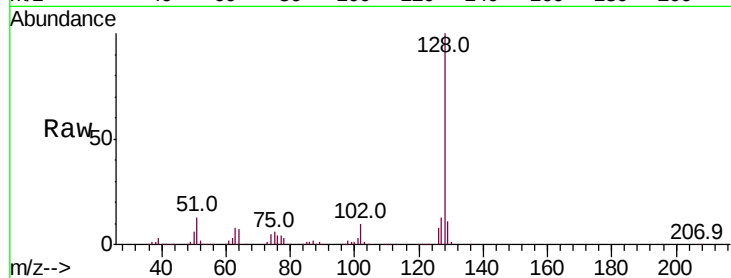
Instrument :

BNA_N

ClientSampled :

Tot Ion:128 Resp: 1439533

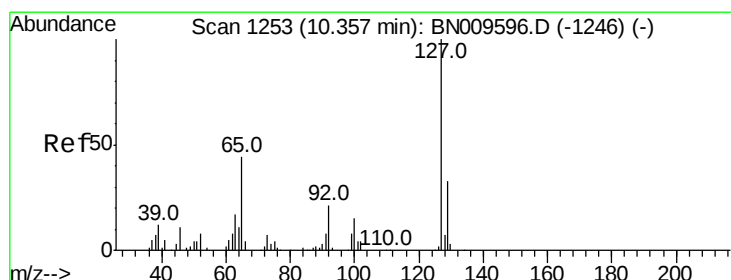
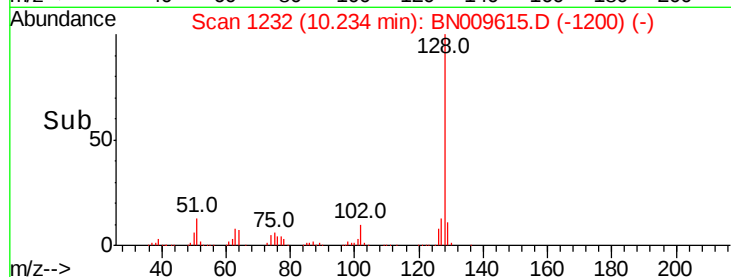
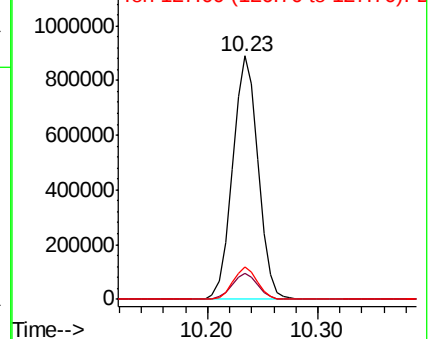
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.1	10.7	16.1



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



#30

4-Chloroaniline

Concen: 16.632 ng/ul

RT: 10.23 min Scan# 1232

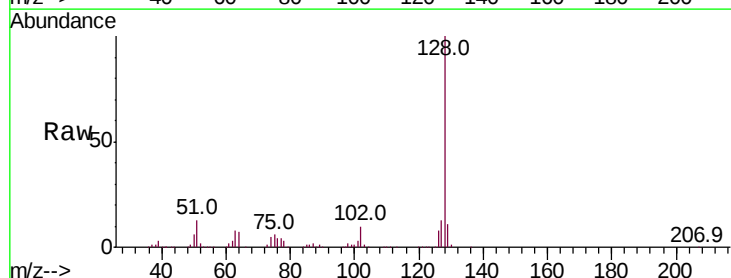
Delta R.T. -0.13 min

Lab File: BN009615.D

Acq: 06 Feb 2020 18:35

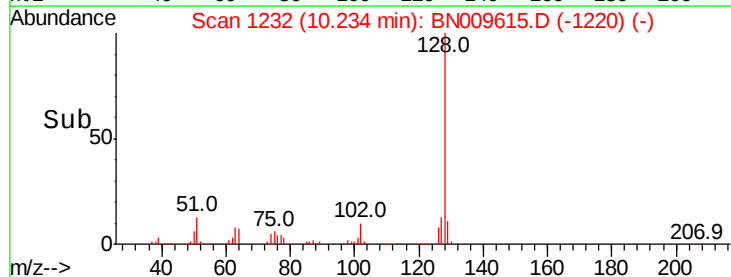
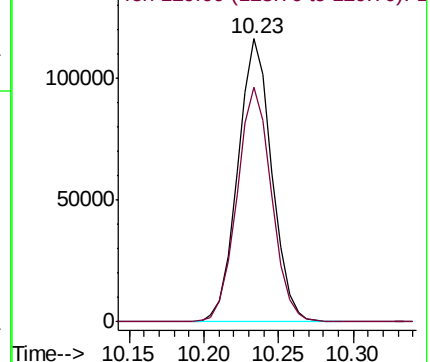
Tgt Ion:127 Resp: 184562

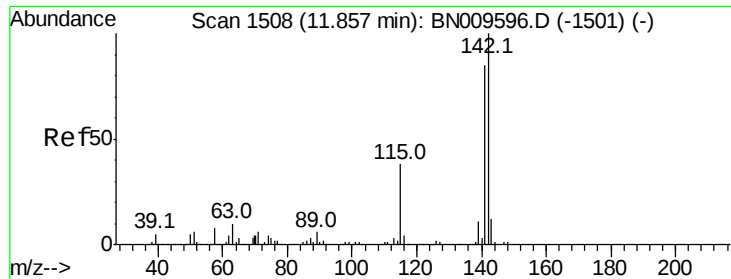
Ion	Ratio	Lower	Upper
127	100		
129	82.9	25.2	37.8



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

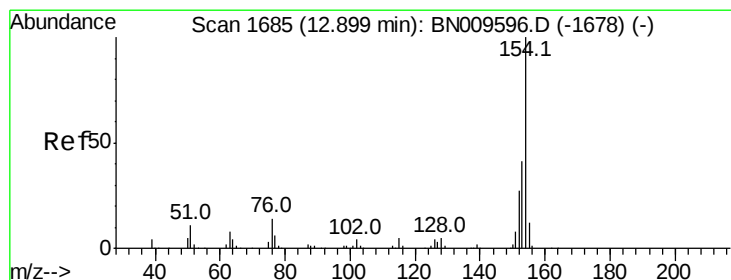
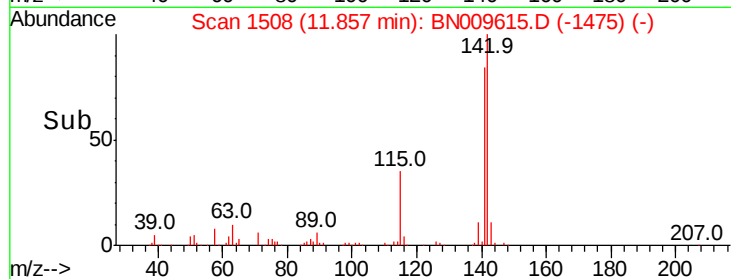
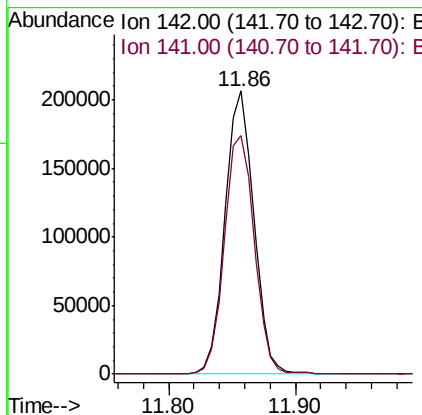
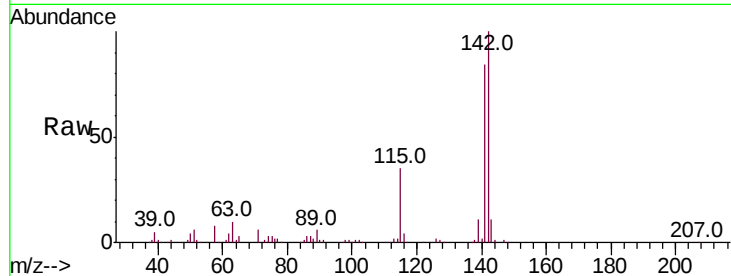




#34
 2-Methylnaphthalene
 Concen: 13.351 ng/ul
 RT: 11.86 min Scan# 1508
 Delta R.T. -0.01 min
 Lab File: BN009615.D
 Acq: 06 Feb 2020 18:35

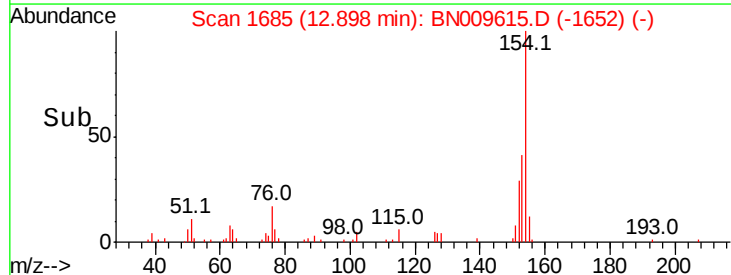
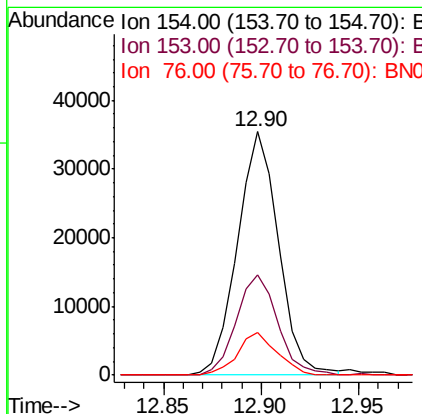
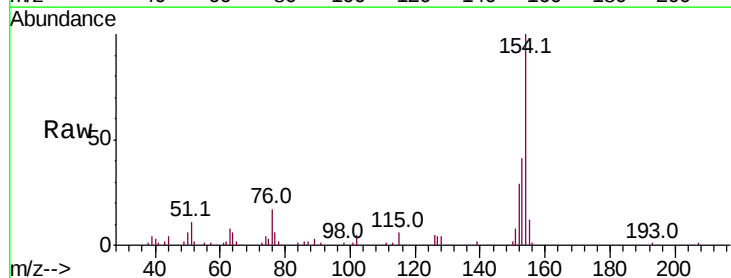
Instrument :
 BNA_N
 ClientSampleId :

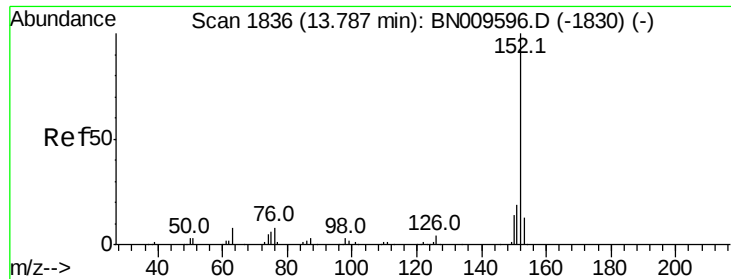
Tot Ion:142 Resp: 325697
 Ion Ratio Lower Upper
 142 100
 141 84.4 71.5 107.3



#40
 1,1'-Biphenyl
 Concen: 1.679 ng/ul
 RT: 12.90 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: BN009615.D
 Acq: 06 Feb 2020 18:35

Tgt Ion:154 Resp: 51776
 Ion Ratio Lower Upper
 154 100
 153 41.2 31.2 46.8
 76 17.4 11.4 17.2#





#47

Acenaphthylene

Concen: 4.459 ng/ul

RT: 13.79 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BN009615.D

Acq: 06 Feb 2020 18:35

Instrument :

BNA_N

ClientSampleId :

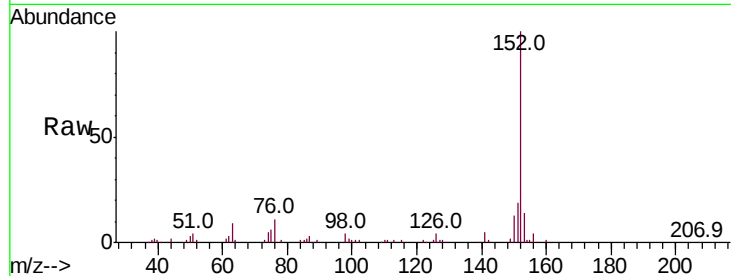
Tot Ion:152 Resp: 170455

Ion Ratio Lower Upper

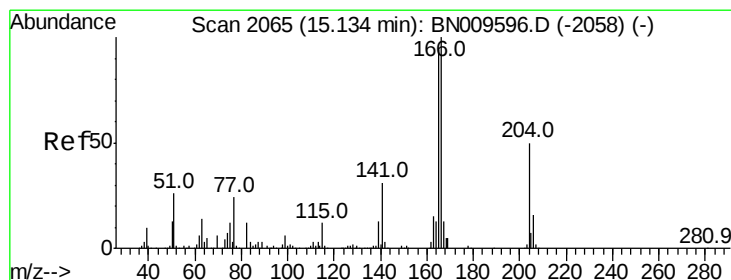
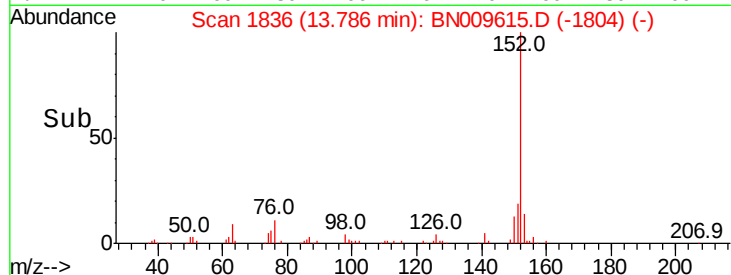
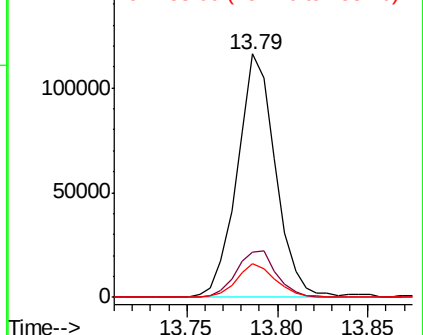
152 100

151 18.5 16.2 24.2

153 13.7 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



#58

Fluorene

Concen: 3.897 ng/ul

RT: 15.13 min Scan# 2065

Delta R.T. -0.01 min

Lab File: BN009615.D

Acq: 06 Feb 2020 18:35

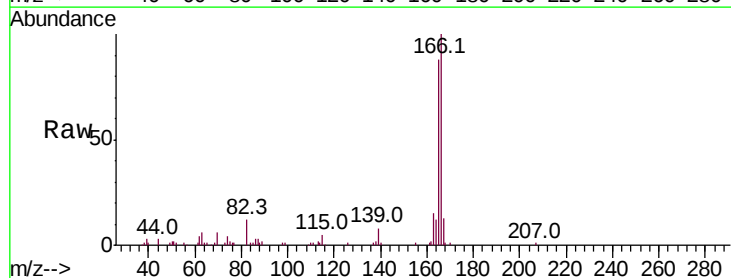
Tgt Ion:166 Resp: 117870

Ion Ratio Lower Upper

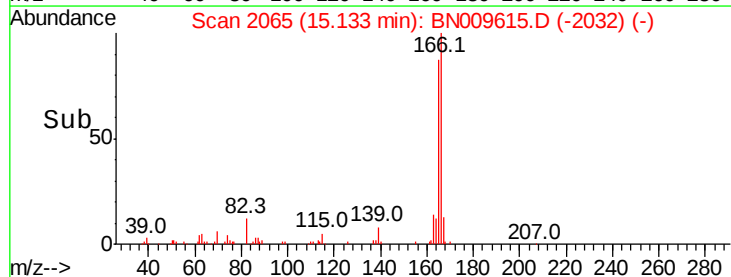
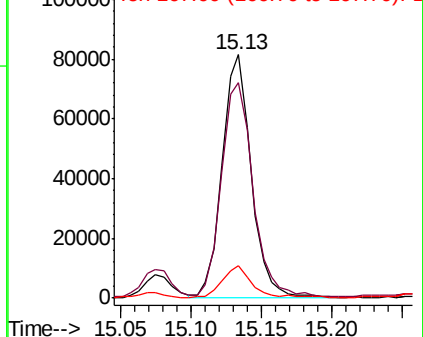
166 100

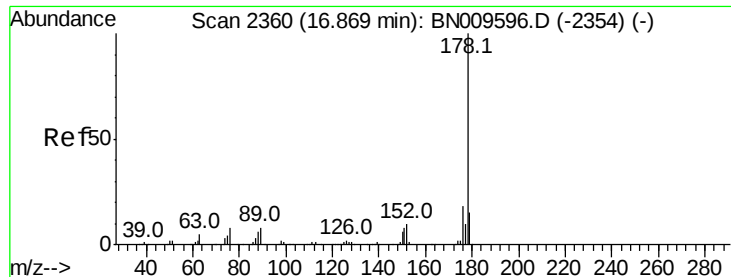
165 88.5 76.7 115.1

167 13.1 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: 11.925 ng/ul

RT: 16.87 min Scan# 2360

Delta R.T. -0.01 min

Lab File: BN009615.D

Acq: 06 Feb 2020 18:35

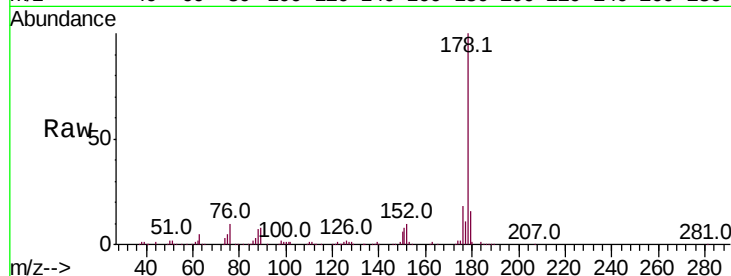
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 553045

Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.2	18.2
176	17.8	14.8	22.2

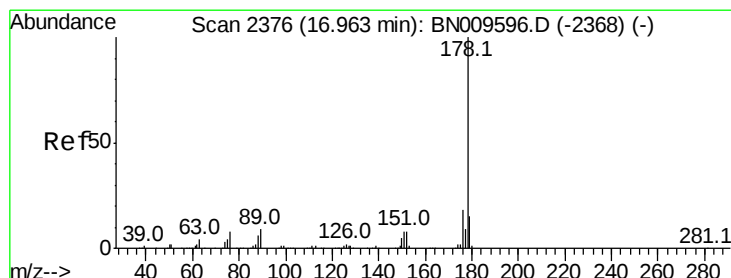
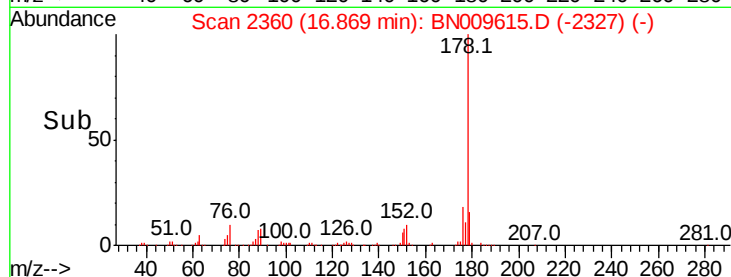
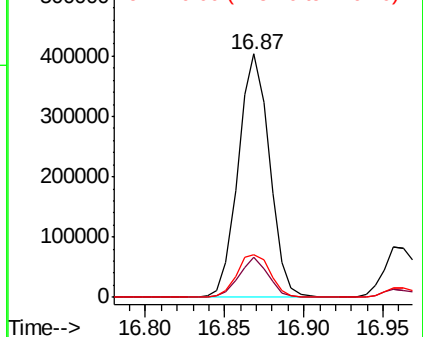


Abundance

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: 2.636 ng/ul

RT: 16.96 min Scan# 2375

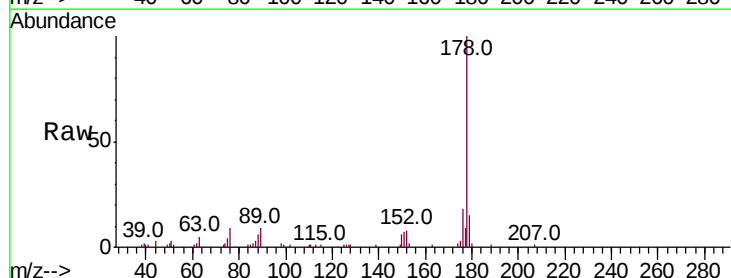
Delta R.T. -0.01 min

Lab File: BN009615.D

Acq: 06 Feb 2020 18:35

Tgt Ion:178 Resp: 124044

Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.1	18.1
176	18.1	14.6	21.8

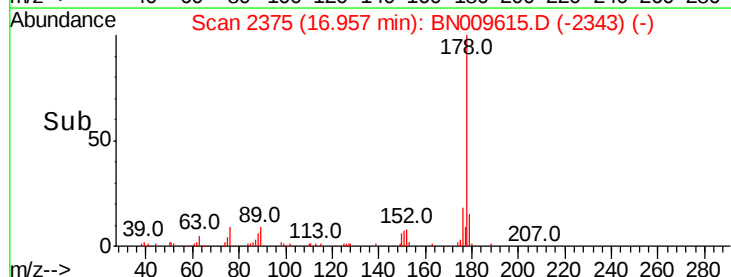
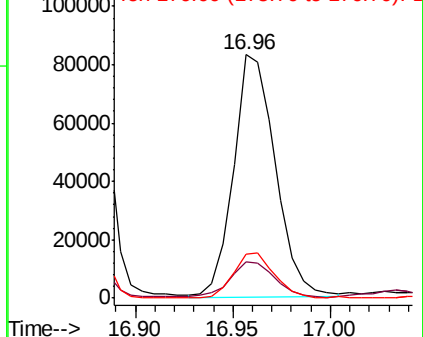


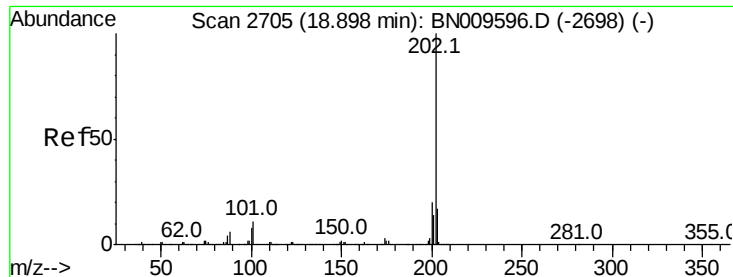
Abundance

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: 3.942 ng/ul

RT: 18.90 min Scan# 2705

Delta R.T. -0.01 min

Lab File: BN009615.D

Acq: 06 Feb 2020 18:35

Instrument :

BNA_N

ClientSampleId :

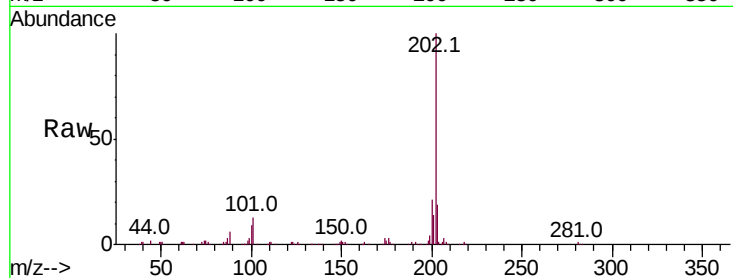
Tot Ion:202 Resp: 208644

Ion Ratio Lower Upper

202 100

101 12.7 9.2 13.8

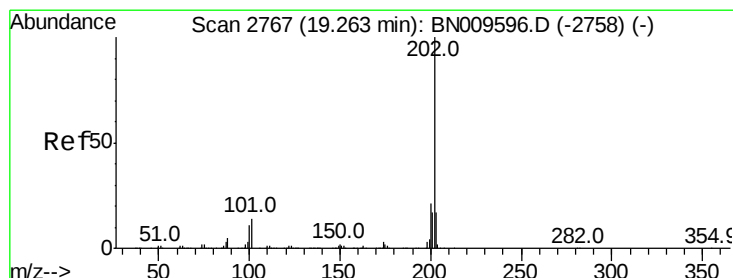
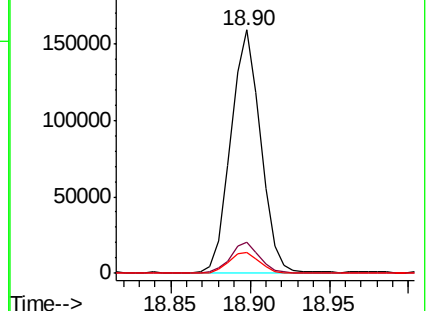
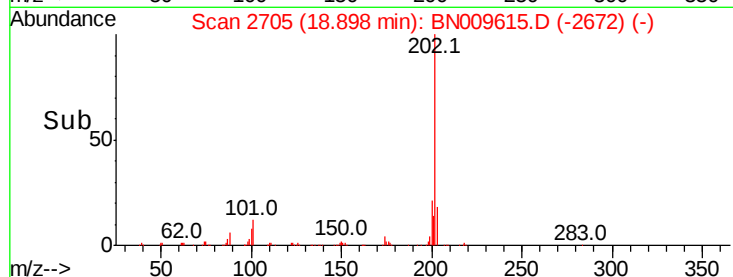
100 8.7 6.9 10.3



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

Pyrene

Concen: 5.821 ng/ul

RT: 19.26 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BN009615.D

Acq: 06 Feb 2020 18:35

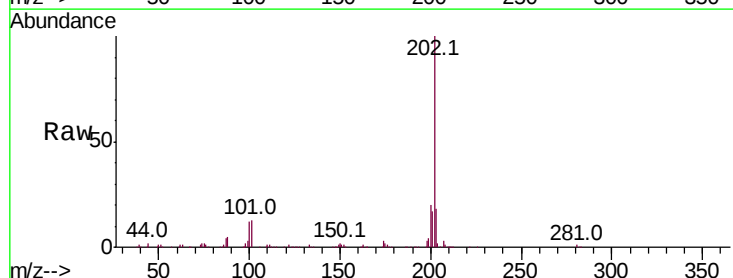
Tgt Ion:202 Resp: 315249

Ion Ratio Lower Upper

202 100

101 13.4 10.3 15.5

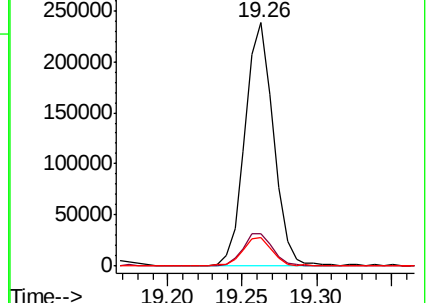
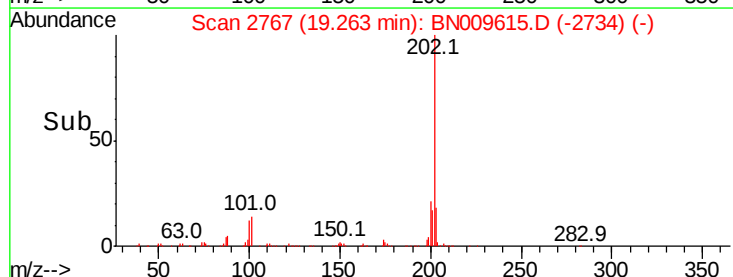
100 12.0 8.4 12.6

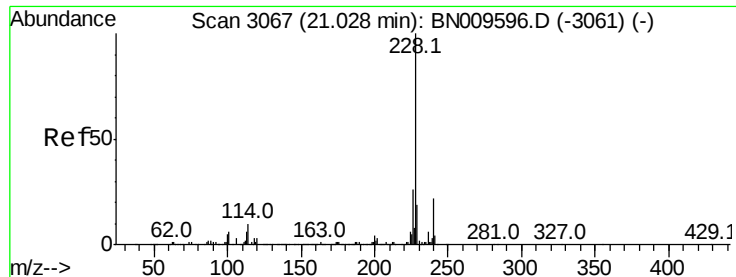


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 1.765 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. 0.05 min

Lab File: BN009615.D

Acq: 06 Feb 2020 18:35

Instrument :

BNA_N

ClientSampled :

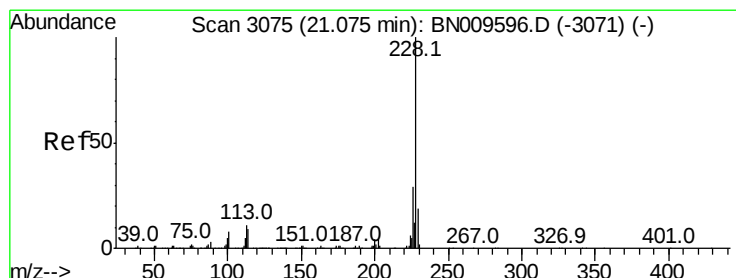
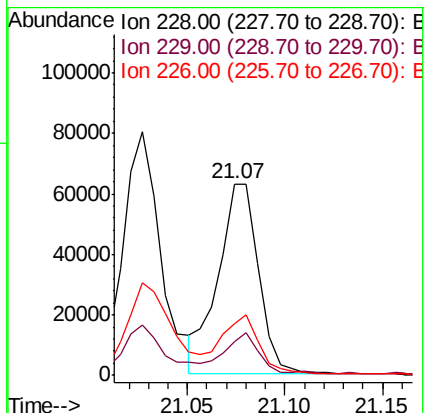
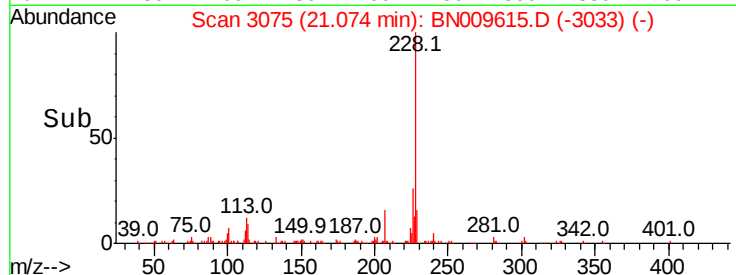
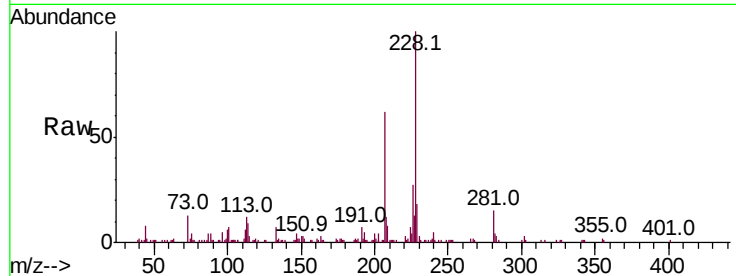
Tot Ion:228 Resp: 90405

Ion Ratio Lower Upper

228 100

229 17.5 15.0 22.4

226 27.1 20.9 31.3



#84

Chrysene

Concen: 1.773 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. -0.01 min

Lab File: BN009615.D

Acq: 06 Feb 2020 18:35

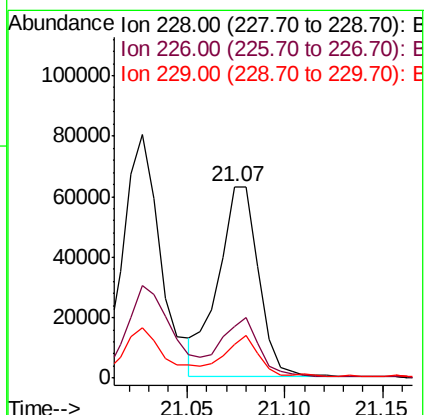
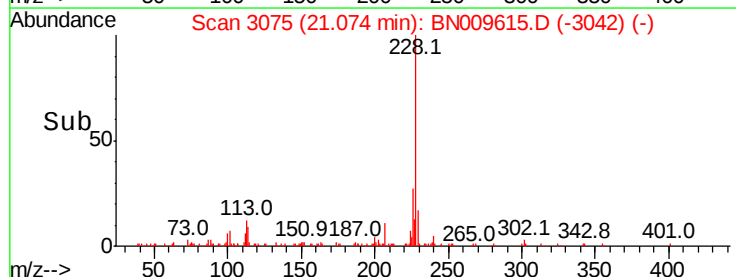
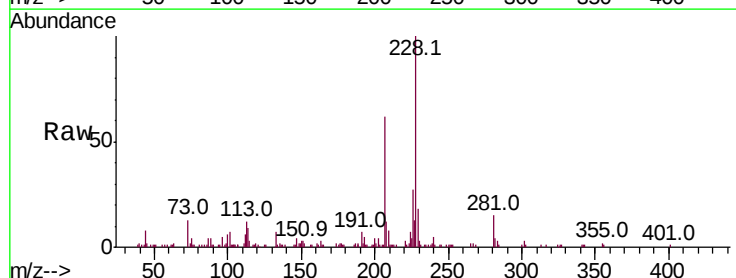
Tgt Ion:228 Resp: 90405

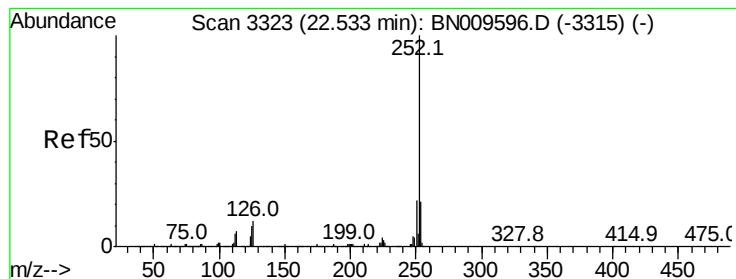
Ion Ratio Lower Upper

228 100

226 27.1 23.5 35.3

229 17.5 15.8 23.8





#87

Benzo(b)fluoranthene

Concen: 1.419 ng/ul

RT: 22.54 min Scan# 3324

Delta R.T. 0.01 min

Lab File: BN009615.D

Acq: 06 Feb 2020 18:35

Instrument :

BNA_N

ClientSampleId :

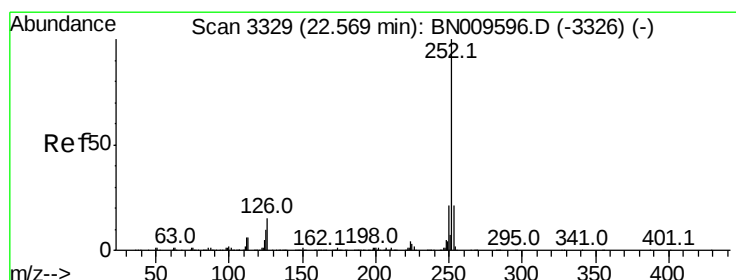
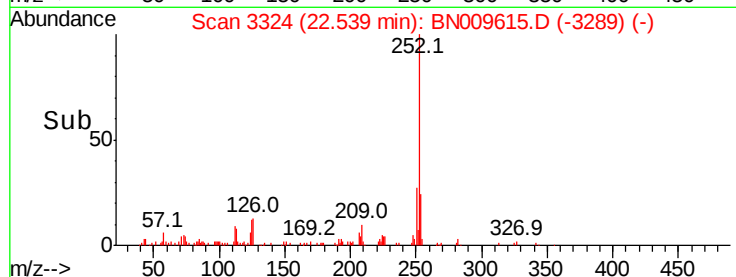
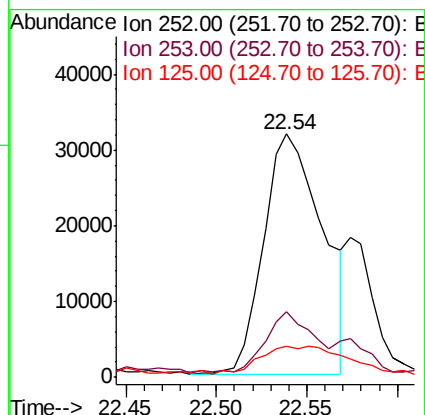
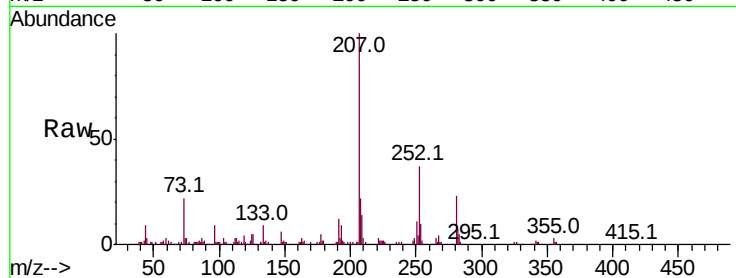
Tot Ion:252 Resp: 71955

Ion Ratio Lower Upper

252 100

253 26.8 17.0 25.6#

125 12.8 8.2 12.2#



#88

Benzo(k)fluoranthene

Concen: 1.441 ng/ul

RT: 22.54 min Scan# 3324

Delta R.T. -0.04 min

Lab File: BN009615.D

Acq: 06 Feb 2020 18:35

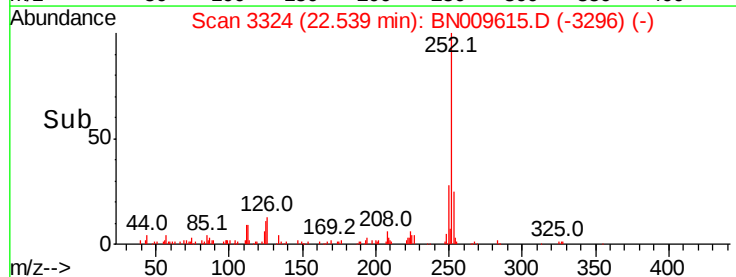
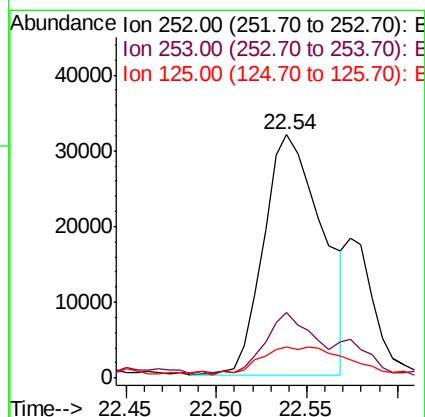
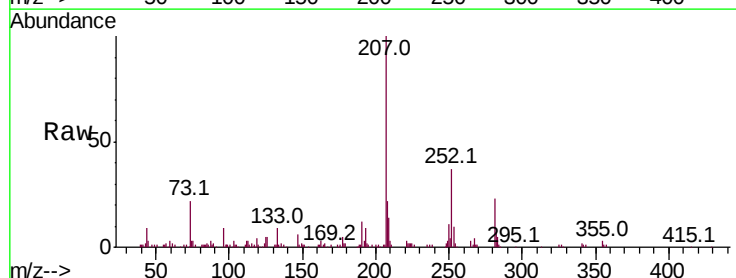
Tgt Ion:252 Resp: 71955

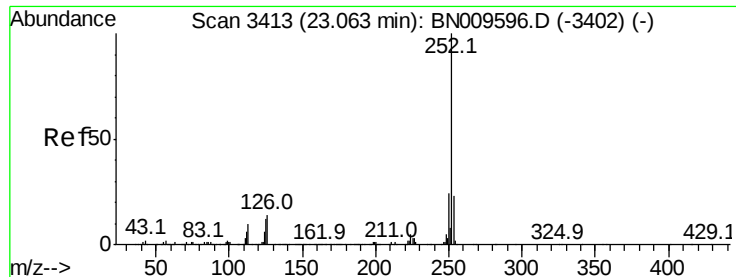
Ion Ratio Lower Upper

252 100

253 26.8 17.0 25.4#

125 12.8 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 1.697 ng/ul

RT: 23.06 min Scan# 3413

Delta R.T. -0.01 min

Lab File: BN009615.D

Acq: 06 Feb 2020 18:35

Instrument :

BNA_N

ClientSampleId :

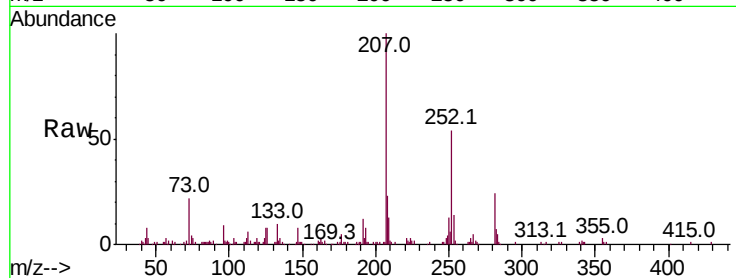
Tot Ion:252 Resp: 79694

Ion Ratio Lower Upper

252 100

253 25.9 15.8 23.8#

125 14.1 8.7 13.1#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

