

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009506.D
 Acq On : 31 Jan 2020 12:05
 Operator : CG/JU
 Sample : L1271-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASZ4

Manual Integrations
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Quant Time: Feb 01 02:32:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 22 15:13:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	182420	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.22	136	776241	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.09	164	567943	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.85	188	1009929	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	912892	20.00	ng/ul	0.00
85) Perylene-d12	23.17	264	961769	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	21074	4.78	ng/uL	0.00
5) Phenol-d5	6.65	99	162701	10.06	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	136627	11.90	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	135438	11.47	ng/ul	-0.01
13) 4-Methylphenol-d8	8.16	113	96590	7.50	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	75759	13.42	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	81678	13.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	138497	11.80	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	176091	12.42	ng/ul	0.00
43) Dimethylphthalate-d6	13.52	166	523290	12.45	ng/ul	0.00
46) Acenaphthylene-d8	13.78	160	591585	11.86	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	69675	8.91	ng/ul	0.00
57) Fluorene-d10	15.09	176	466909	12.66	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.25	200	64612	10.56	ng/ul	0.01
70) Anthracene-d10	16.95	188	646670	13.84	ng/ul	0.00
78) Pyrene-d10	19.25	212	694623	14.14	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	667536	13.75	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.68	94	57904	3.417 ng/ul	96
28) Naphthalene	10.26	128	36359916m	870.425 ng/ul	
34) 2-Methylnaphthalene	11.90	142	35051594m	1218.863 ng/ul	
40) 1,1'-Biphenyl	12.92	154	3436765	79.915 ng/ul	100
44) Dimethylphthalate	13.56	163	120650	2.788 ng/ul#	98
47) Acenaphthylene	13.81	152	539809	10.026 ng/ul#	70
49) Acenaphthene	14.16	153	681409	18.551 ng/ul	98
53) Dibenzofuran	14.50	168	1402876	27.489 ng/ul	98
58) Fluorene	15.15	166	2446707	57.215 ng/ul#	98
69) Phenanthrene	16.90	178	19342920m	339.439 ng/ul	
71) Anthracene	16.98	178	1388550	23.932 ng/ul	98
76) Fluoranthene	18.92	202	3924221	60.073 ng/ul	99
79) Pyrene	19.28	202	6069477	91.823 ng/ul	98
82) Benzo(a)anthracene	21.04	228	1964075	31.594 ng/ul	97
84) Chrysene	21.09	228	1730644	28.578 ng/ul	97
87) Benzo(b)fluoranthene	22.55	252	867297	14.262 ng/ul	96
88) Benzo(k)fluoranthene	22.58	252	239566m	4.006 ng/ul	
90) Benzo(a)pyrene	23.07	252	641139	11.746 ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.23	276	285296	4.313 ng/ul	96
92) Dibenz(a,h)anthracene	25.23	278	119088	2.134 ng/ul	92
93) Benzo(a,h,i)perylene	25.86	276	198476	3.607 ng/ul	96

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

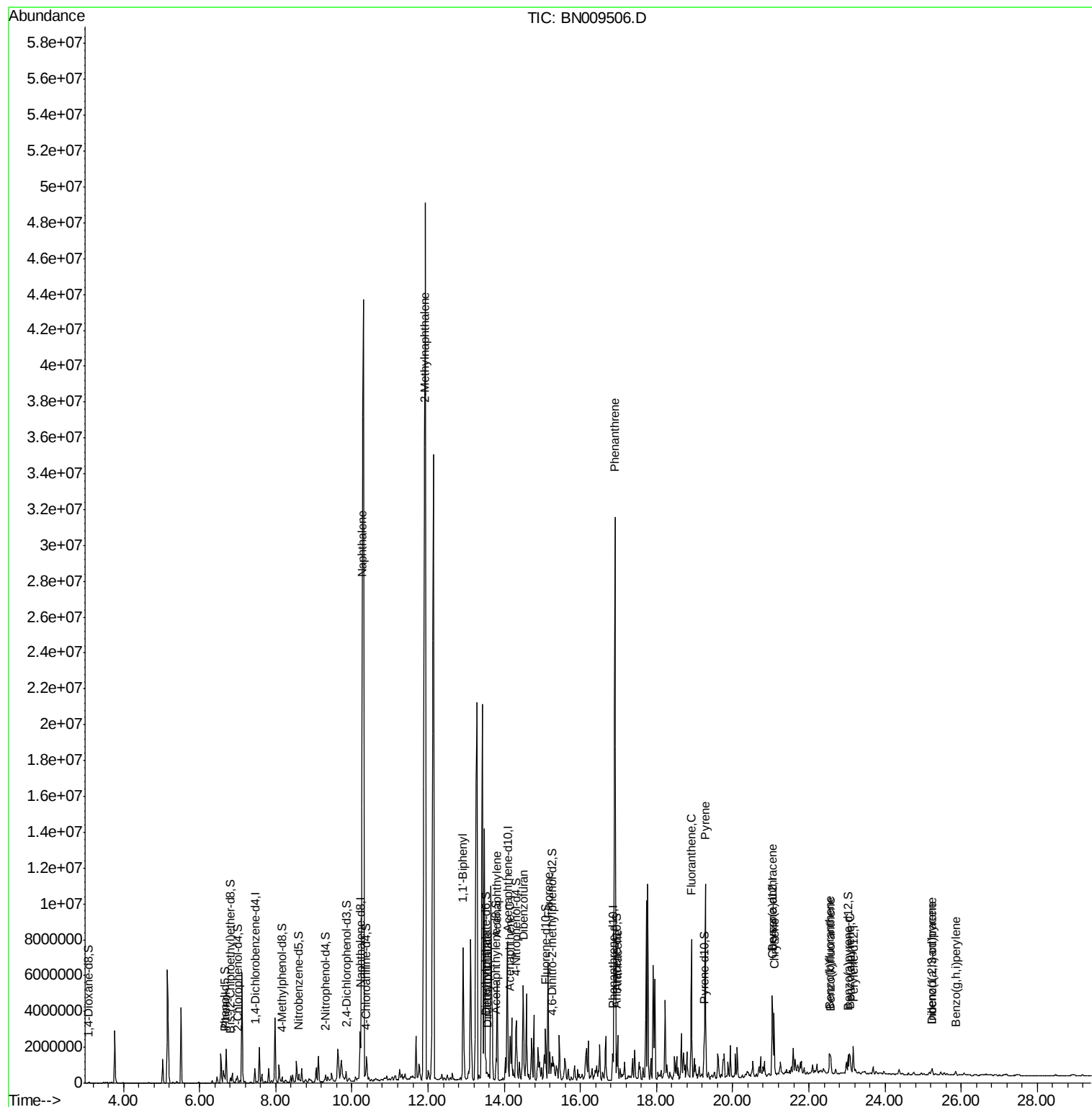
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
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ALS Vial : 31 Sample Multiplier: 1

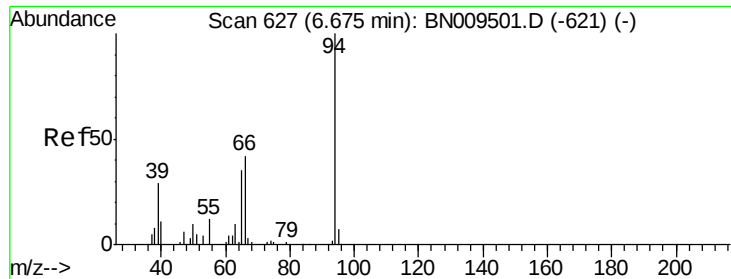
Instrument :
BNA_N
ClientSampleId :
GASZ4

Quant Time: Feb 01 02:32:36 2020
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#6

Phenol

Concen: 3.417 ng/ul

RT: 6.68 min Scan# 627

Delta R.T. -0.01 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

Instrument :

BNA_N

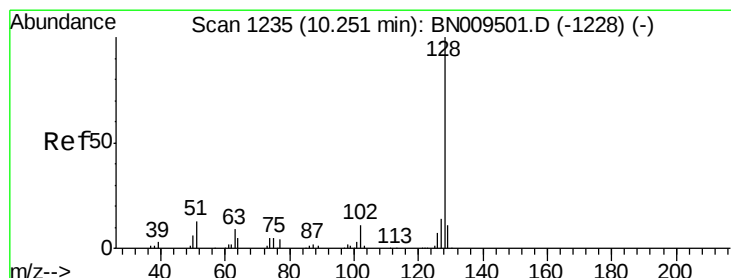
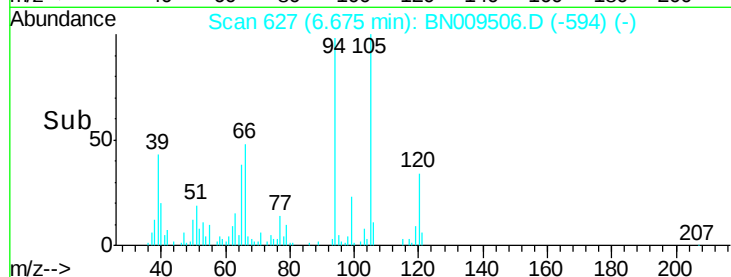
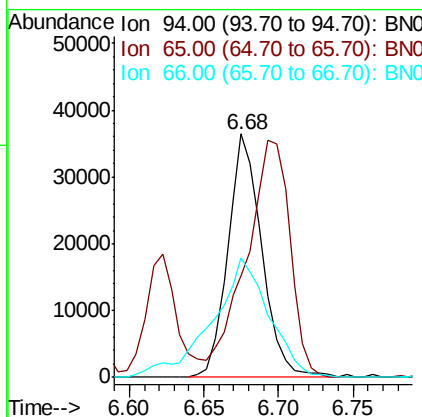
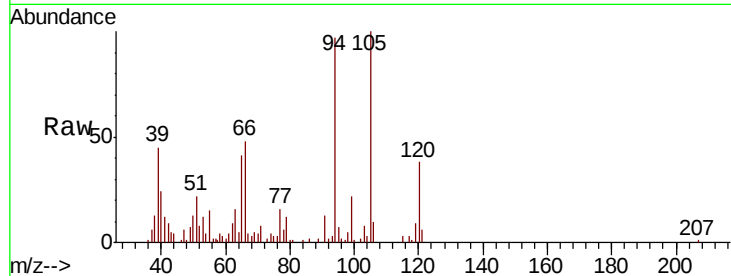
ClientSampled :

GASZ4

Tot Ion:	94	Resp:	57904
Ion	Ratio	Lower	Upper
94	100		
65	41.9	29.4	44.0
66	49.2	39.8	59.8

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#28

Naphthalene

Concen: 870.425 ng/ul m

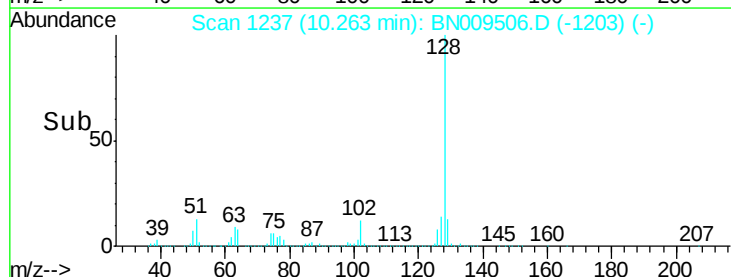
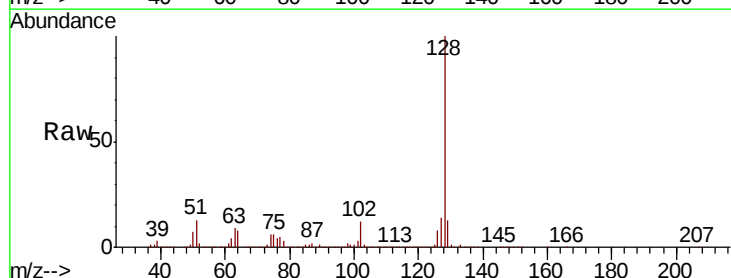
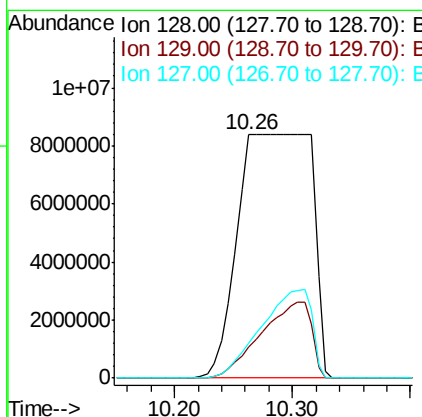
RT: 10.26 min Scan# 1237

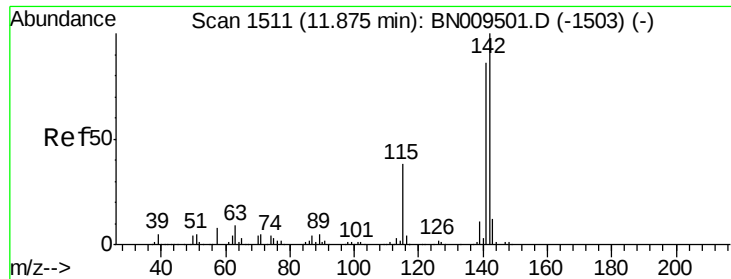
Delta R.T. -0.00 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

Tgt Ion:	128	Resp:	36359916
Ion	Ratio	Lower	Upper
128	100		
129	12.8	8.1	12.1#
127	14.4	11.0	16.6





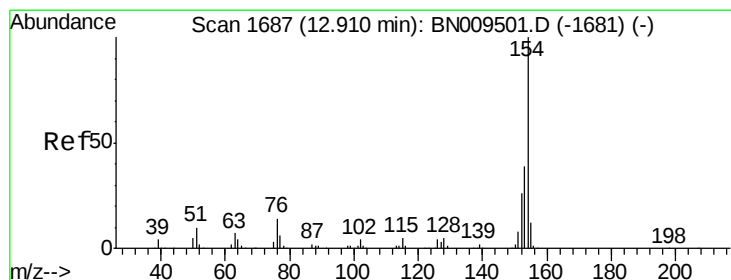
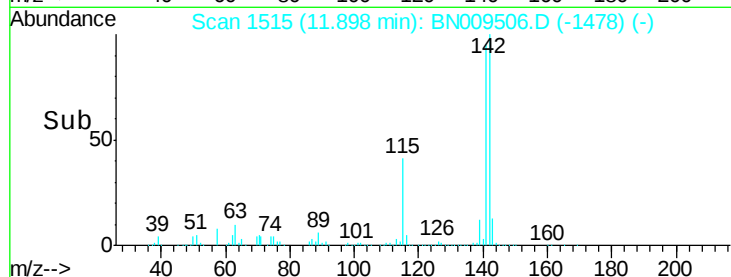
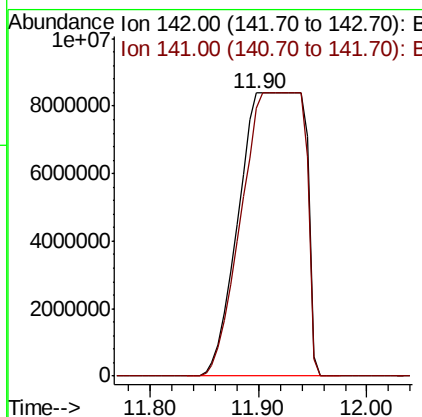
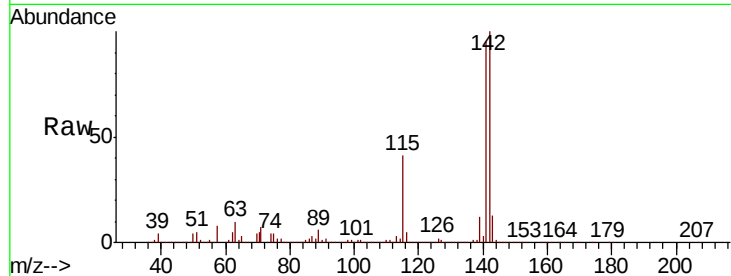
#34
2-Methylnaphthalene
Concen: 1218.863 ng/ul m
RT: 11.90 min Scan# 1515
Delta R.T. 0.02 min
Lab File: BN009506.D
Acq: 31 Jan 2020 12:05

Instrument :
BNA_N
ClientSampleId :
GASZ4

Tot Ion:142 Resp:35051594
Ion Ratio Lower Upper
142 100
141 94.6 69.3 103.9

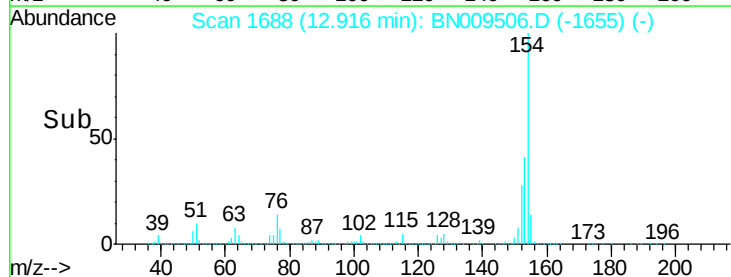
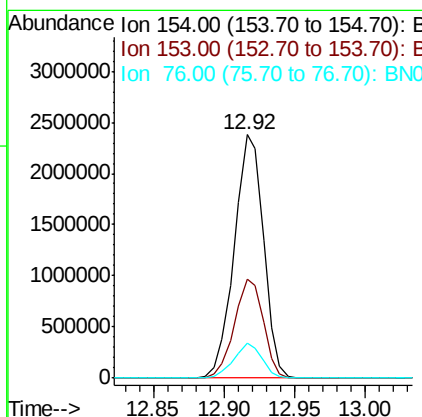
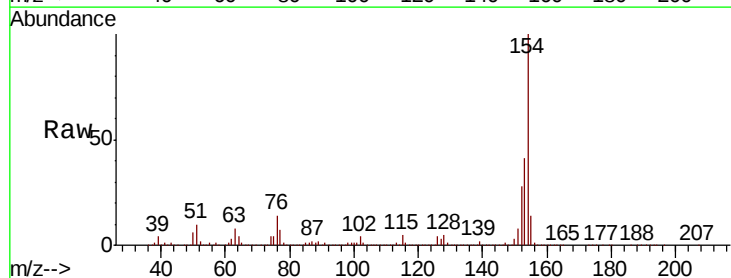
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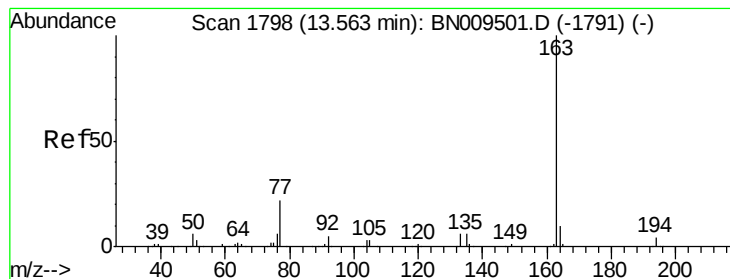
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#40
1,1'-Biphenyl
Concen: 79.915 ng/ul
RT: 12.92 min Scan# 1688
Delta R.T. -0.01 min
Lab File: BN009506.D
Acq: 31 Jan 2020 12:05

Tgt Ion:154 Resp: 3436765
Ion Ratio Lower Upper
154 100
153 40.7 32.6 49.0
76 14.2 11.4 17.0





#44

Dimethylphthalate

Concen: 2.788 ng/ul

RT: 13.56 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

Instrument :

BNA_N

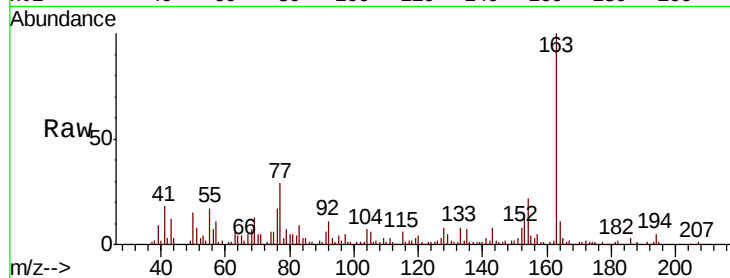
ClientSampled :

GASZ4

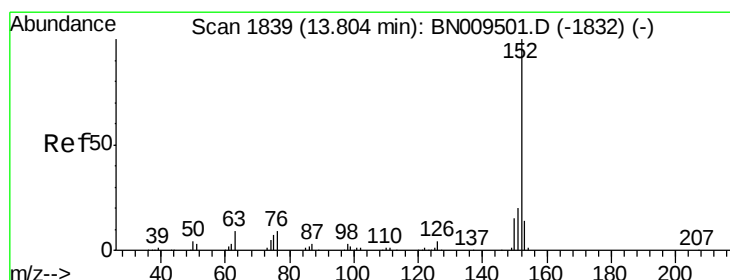
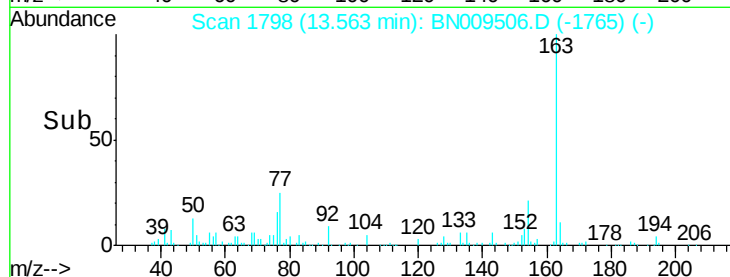
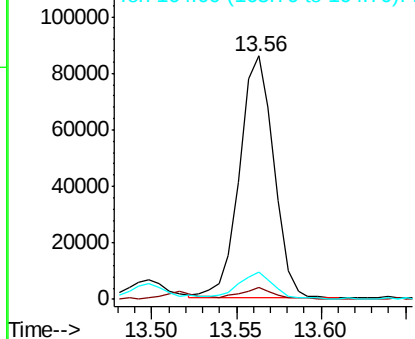
Tot Ion:	163	Resp:	120650
Ion Ratio	Lower	Upper	
163	100		
194	4.7	3.1	4.7#
164	11.3	8.3	12.5

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#47

Acenaphthylene

Concen: 10.026 ng/ul

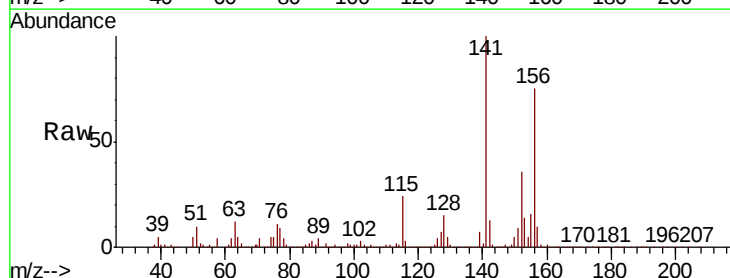
RT: 13.81 min Scan# 1840

Delta R.T. -0.00 min

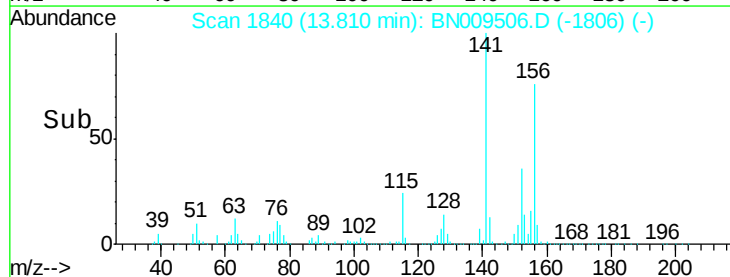
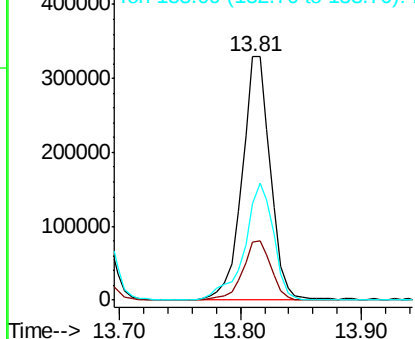
Lab File: BN009506.D

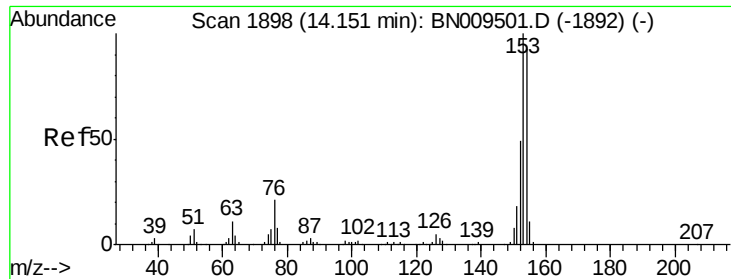
Acq: 31 Jan 2020 12:05

Tgt Ion:	152	Resp:	539809
Ion Ratio	Lower	Upper	
152	100		
151	23.7	16.2	24.4
153	39.6	10.8	16.2#



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: 18.551 ng/ul

RT: 14.16 min Scan# 1899

Delta R.T. -0.01 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

Instrument :

BNA_N

ClientSampleId :

GASZ4

Tot Ion:153 Resp: 681409

Ion Ratio Lower Upper

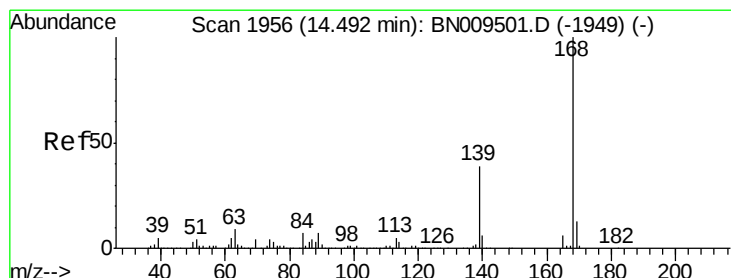
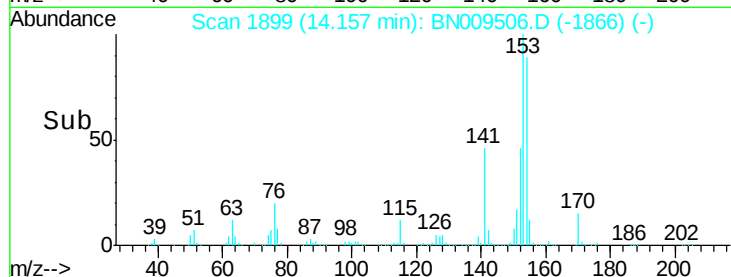
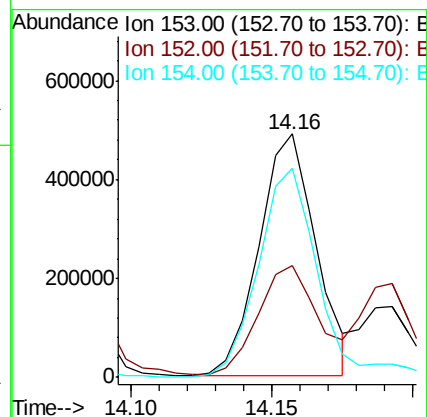
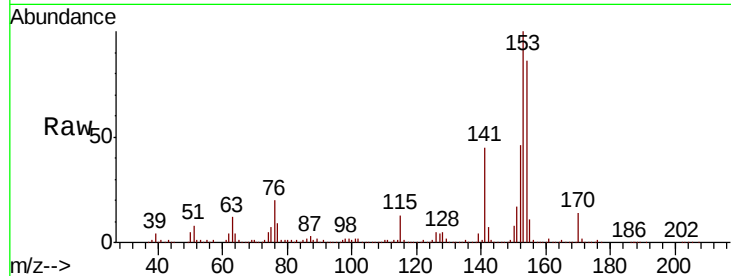
153 100

152 45.8 36.3 54.5

154 86.1 71.4 107.0

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#53

Dibenzofuran

Concen: 27.489 ng/ul

RT: 14.50 min Scan# 1957

Delta R.T. -0.00 min

Lab File: BN009506.D

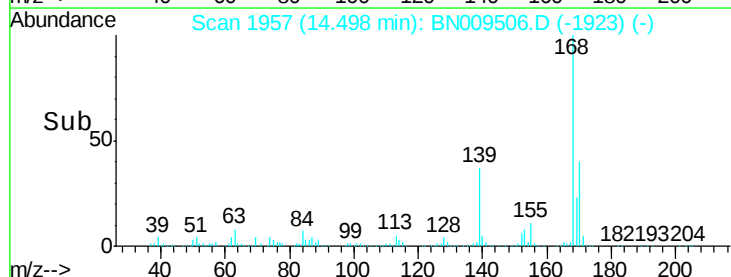
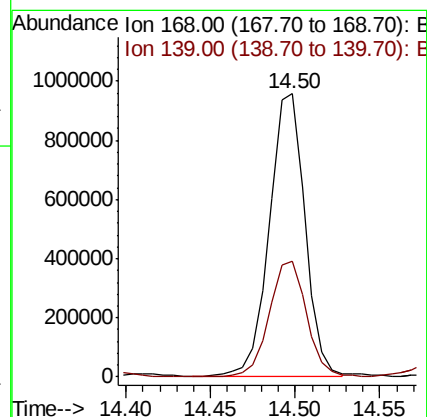
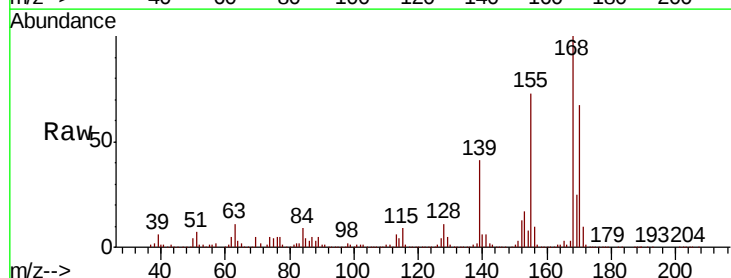
Acq: 31 Jan 2020 12:05

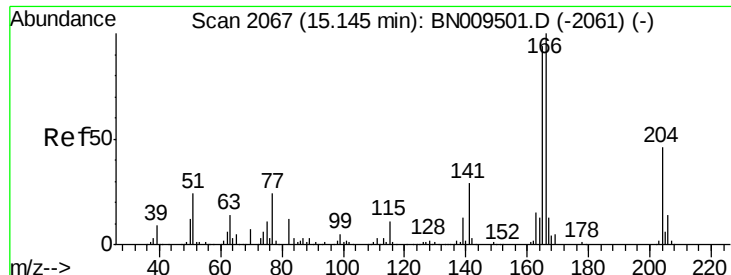
Tgt Ion:168 Resp: 1402876

Ion Ratio Lower Upper

168 100

139 40.7 31.4 47.2





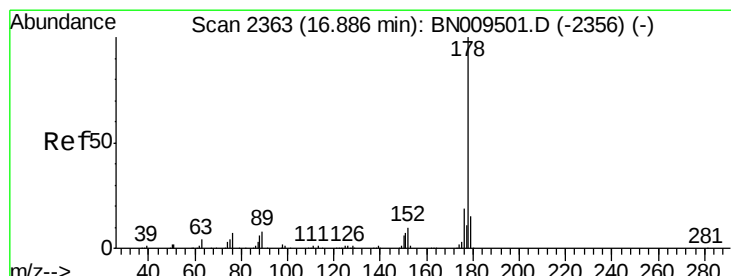
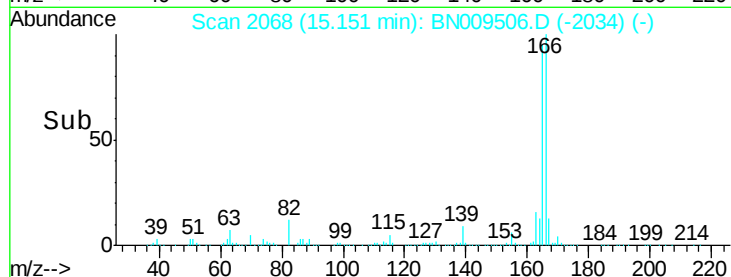
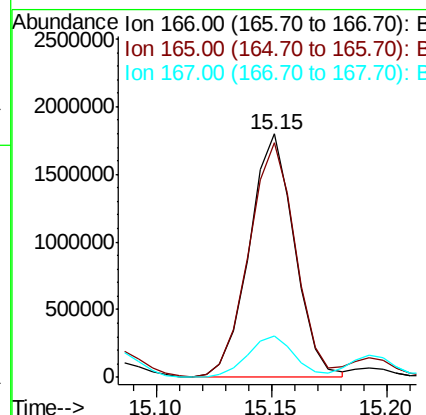
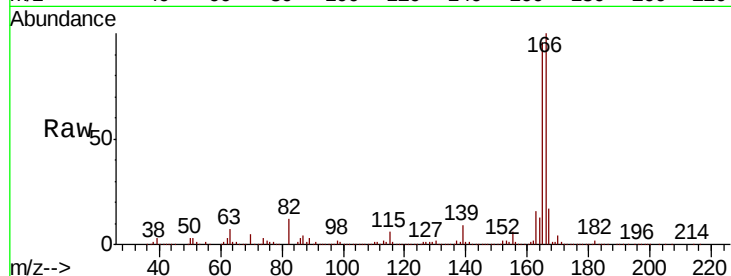
#58
Fluorene
Concen: 57.215 ng/ul
RT: 15.15 min Scan# 2068
Delta R.T. -0.00 min
Lab File: BN009506.D
Acq: 31 Jan 2020 12:05

Instrument :
BNA_N
ClientSampleId :
GASZ4

Tot Ion:166 Resp: 2446707
Ion Ratio Lower Upper
166 100
165 96.3 76.5 114.7
167 16.9 10.9 16.3#

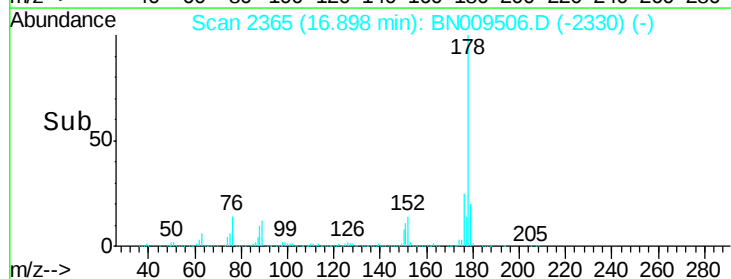
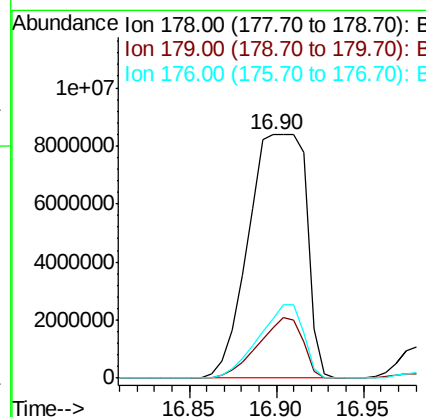
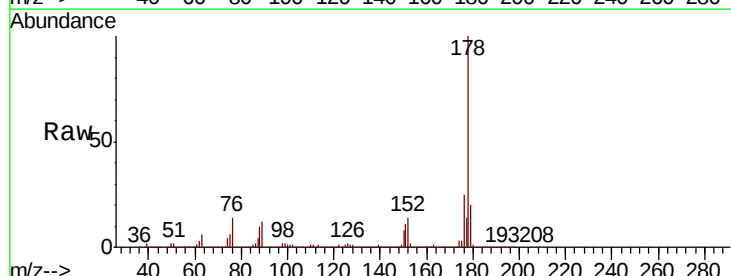
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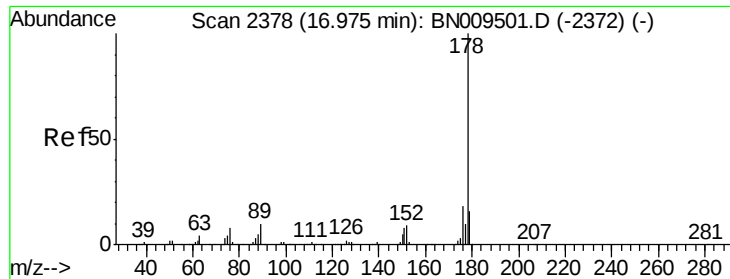
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#69
Phenanthrene
Concen: 339.439 ng/ul m
RT: 16.90 min Scan# 2365
Delta R.T. 0.01 min
Lab File: BN009506.D
Acq: 31 Jan 2020 12:05

Tgt Ion:178 Resp:19342920
Ion Ratio Lower Upper
178 100
179 20.5 13.3 19.9#
176 24.6 15.5 23.3#





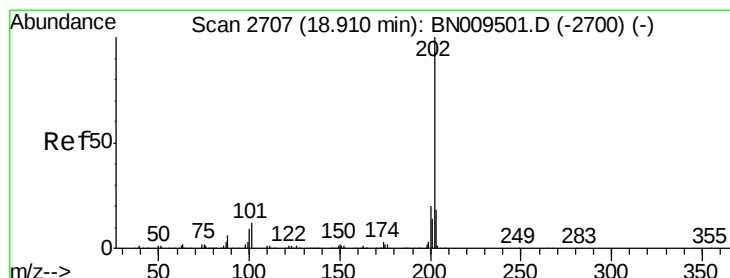
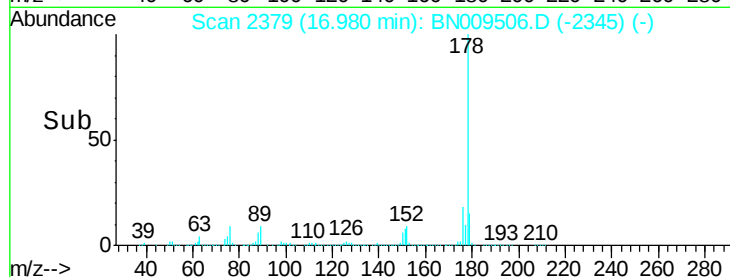
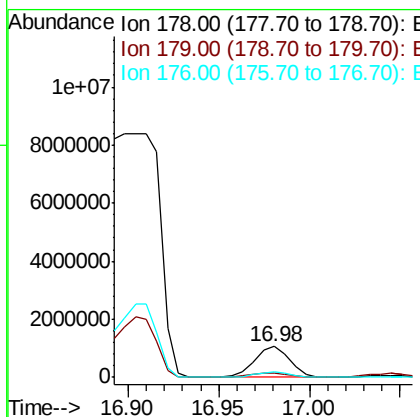
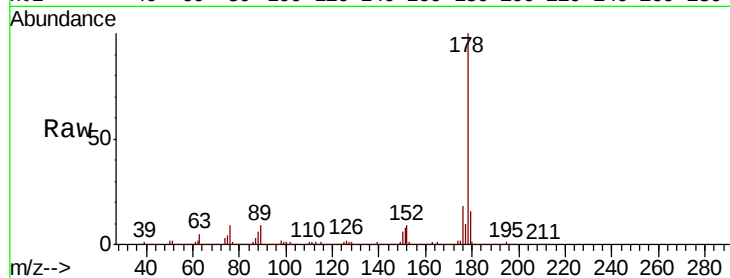
#71
 Anthracene
 Concen: 23.932 ng/ul
 RT: 16.98 min Scan# 2379
 Delta R.T. -0.00 min
 Lab File: BN009506.D
 Acq: 31 Jan 2020 12:05

Instrument :
 BNA_N
 ClientSampled :
 GASZ4

Tot Ion:178 Resp: 1388550
 Ion Ratio Lower Upper
 178 100
 179 15.7 11.8 17.6
 176 17.7 14.6 22.0

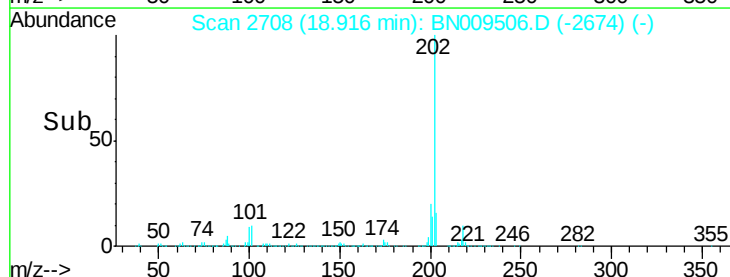
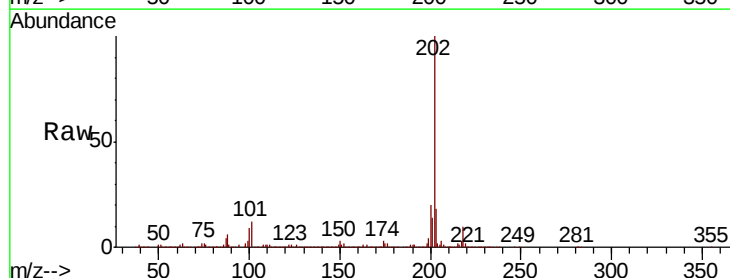
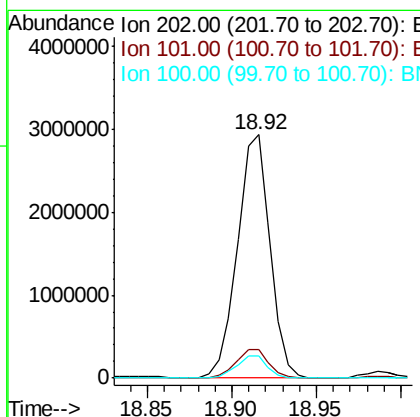
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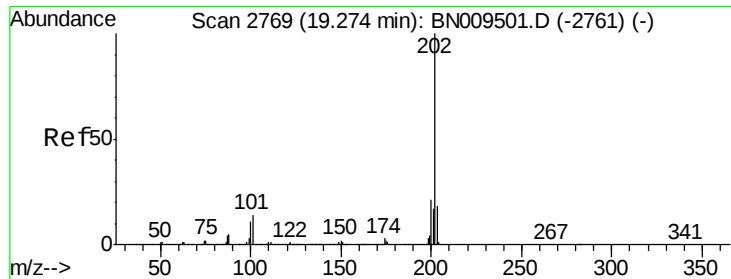
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#76
 Fluoranthene
 Concen: 60.073 ng/ul
 RT: 18.92 min Scan# 2708
 Delta R.T. -0.00 min
 Lab File: BN009506.D
 Acq: 31 Jan 2020 12:05

Tgt Ion:202 Resp: 3924221
 Ion Ratio Lower Upper
 202 100
 101 11.8 9.7 14.5
 100 9.0 7.1 10.7





#79

Pvrene

Concen: 91.823 ng/ul

RT: 19.28 min Scan# 2770

Delta R.T. -0.00 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

Instrument :

BNA_N

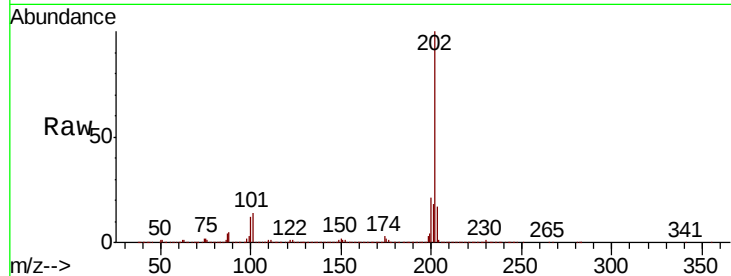
ClientSampleId :

GASZ4

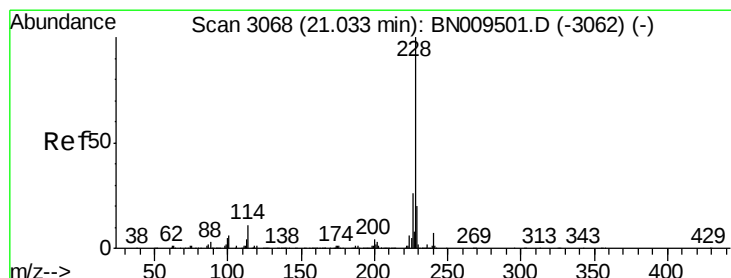
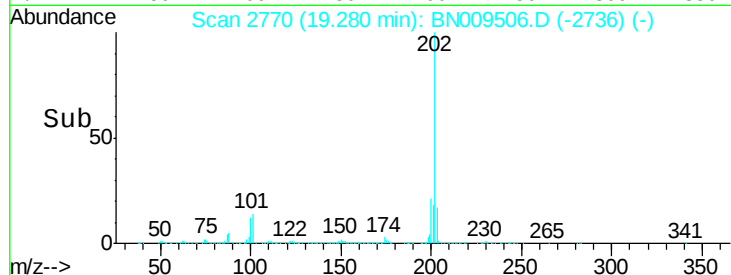
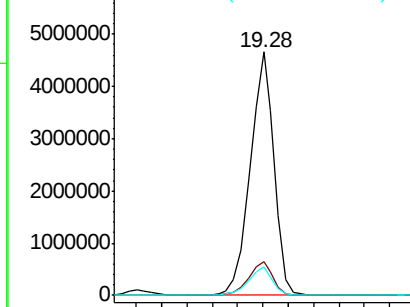
Tot Ion:	202	Resp:	6069477
Ion	Ratio	Lower	Upper
202	100		
101	14.1	10.9	16.3
100	11.6	8.6	12.8

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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): E



#82

Benzo(a)anthracene

Concen: 31.594 ng/ul

RT: 21.04 min Scan# 3069

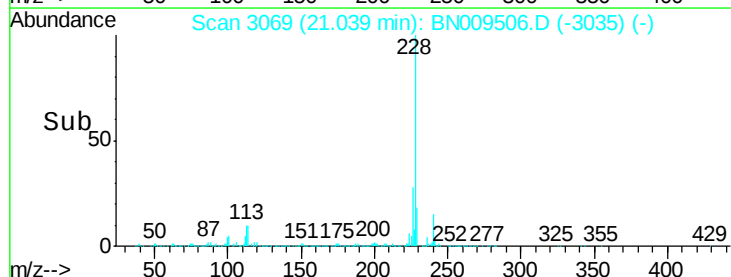
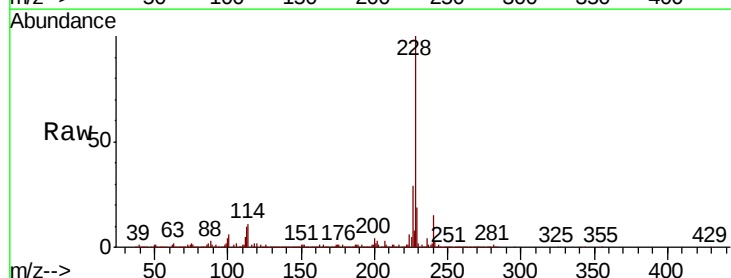
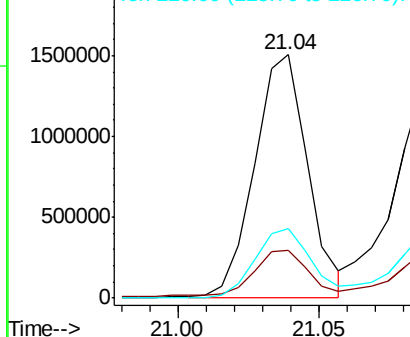
Delta R.T. -0.00 min

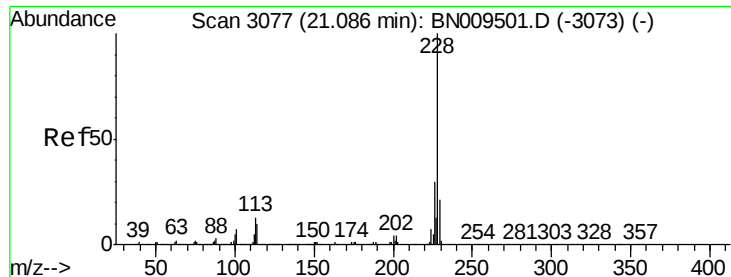
Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

Tgt Ion:	228	Resp:	1964075
Ion	Ratio	Lower	Upper
228	100		
229	19.5	15.9	23.9
226	28.7	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: 28.578 ng/ul

RT: 21.09 min Scan# 3077

Delta R.T. -0.01 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

Instrument :

BNA_N

ClientSampleId :

GASZ4

Tot Ion:228 Resp: 1730644

Ion Ratio Lower Upper

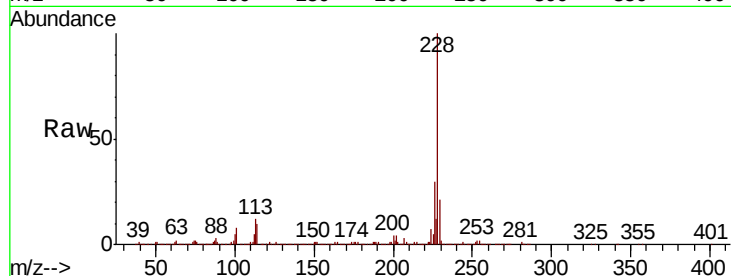
228 100

226 30.2 22.9 34.3

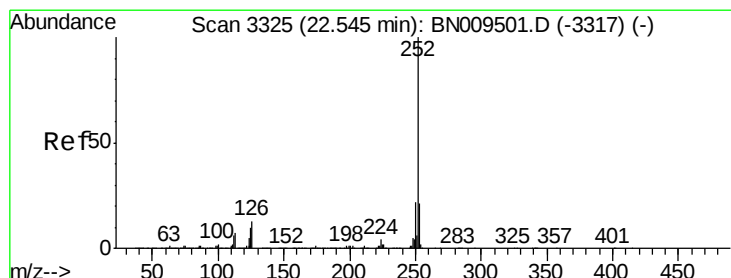
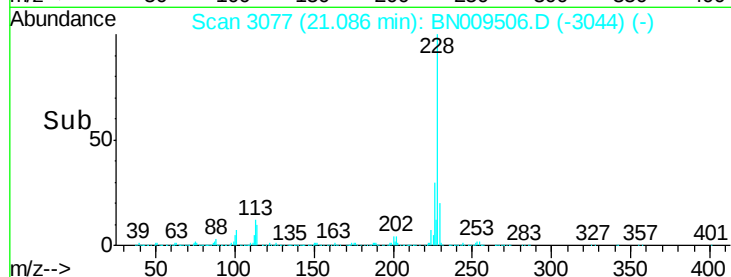
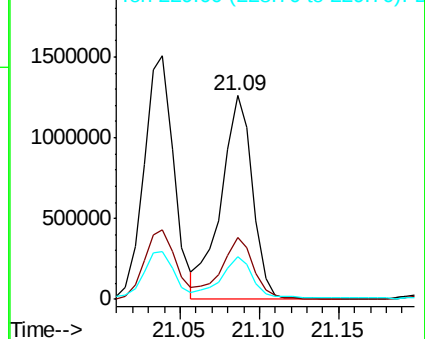
229 20.8 15.4 23.0

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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: 14.262 ng/ul

RT: 22.55 min Scan# 3326

Delta R.T. -0.00 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

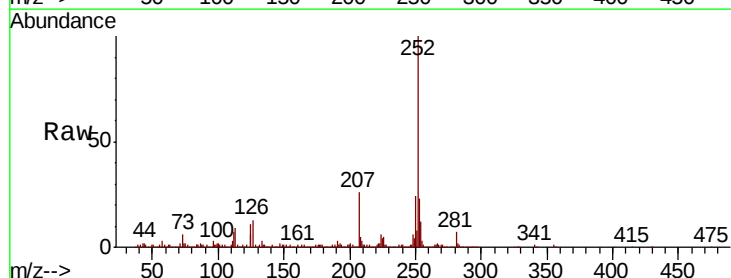
Tgt Ion:252 Resp: 867297

Ion Ratio Lower Upper

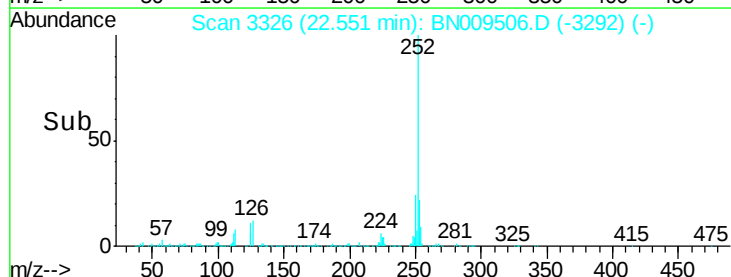
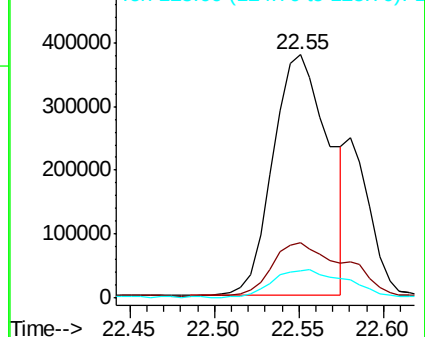
252 100

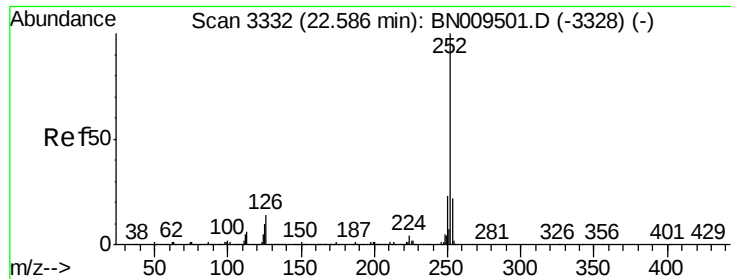
253 22.7 16.5 24.7

125 11.4 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: 4.006 ng/ul

RT: 22.58 min Scan# 3331

Delta R.T. -0.01 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

Instrument :

BNA_N

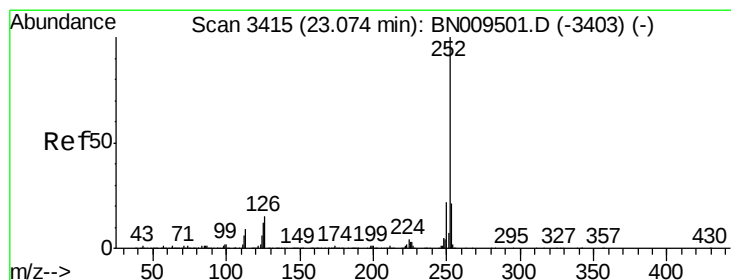
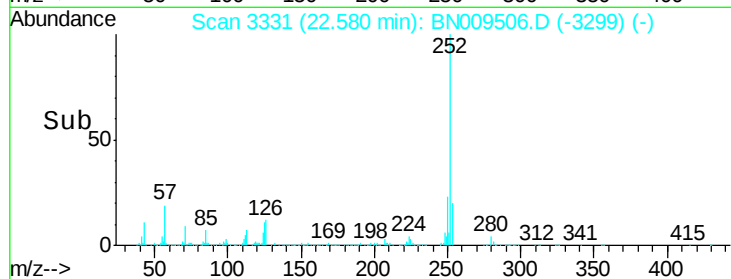
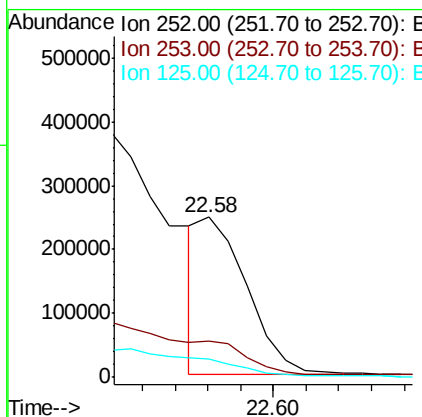
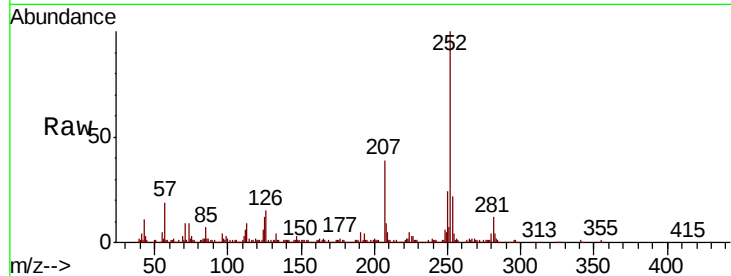
ClientSampled :

GASZ4

Tot Ion:	252	Resp:	239566
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.0	25.4
125	11.6	7.8	11.8

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#90

Benzo(a)pyrene

Concen: 11.746 ng/ul

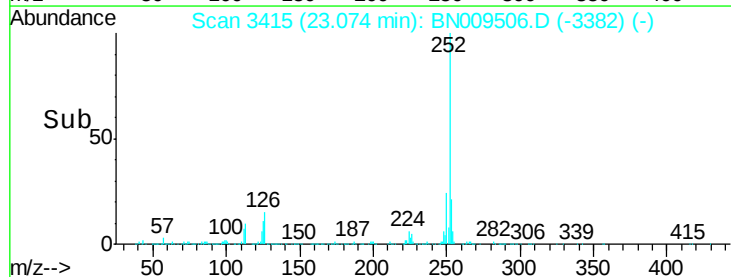
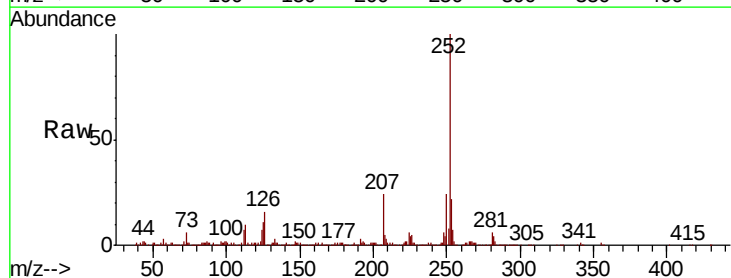
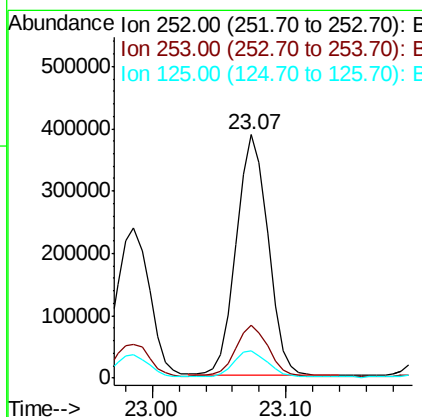
RT: 23.07 min Scan# 3415

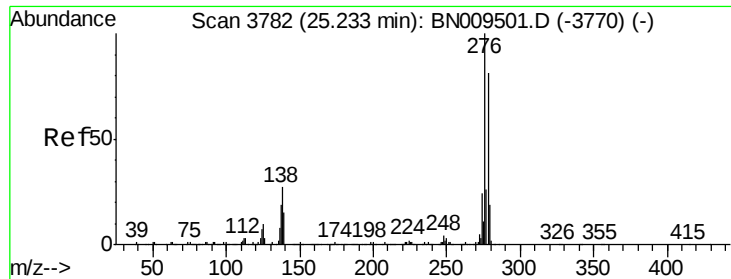
Delta R.T. -0.01 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

Tgt Ion:	252	Resp:	641139
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.0	27.0
125	11.3	9.8	14.6





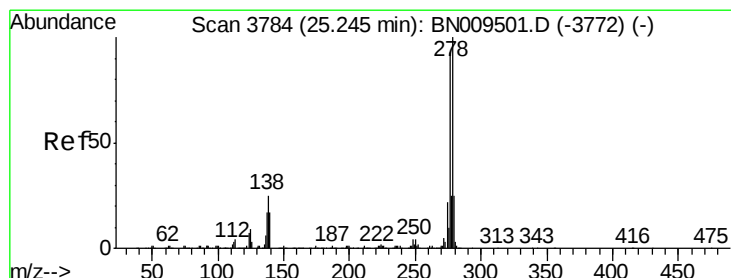
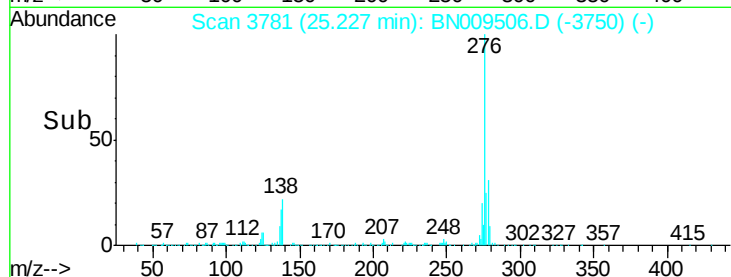
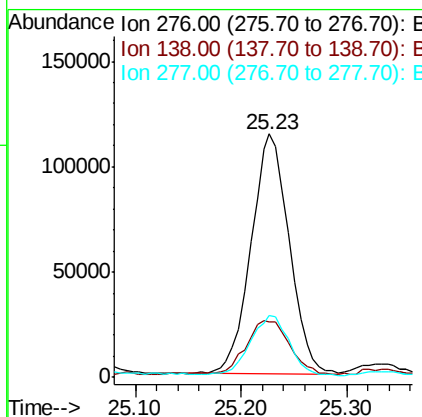
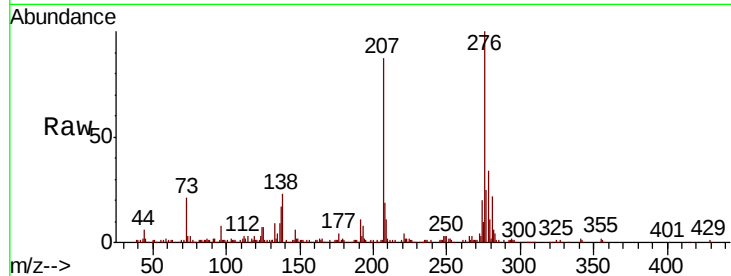
#91
Indeno(1,2,3-cd)pyrene
Concen: 4.313 ng/ul
RT: 25.23 min Scan# 3781
Delta R.T. -0.02 min
Lab File: BN009506.D
Acq: 31 Jan 2020 12:05

Instrument :
BNA_N
ClientSampleId :
GASZ4

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.8	21.4	32.0
277	25.4	20.4	30.6

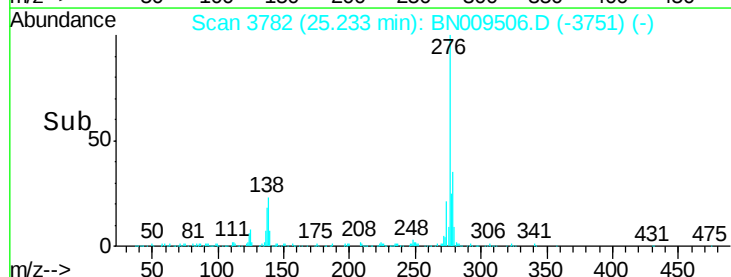
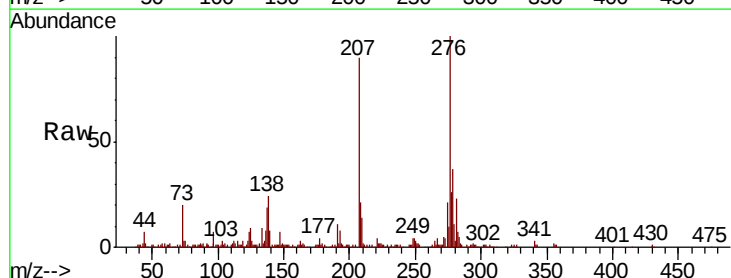
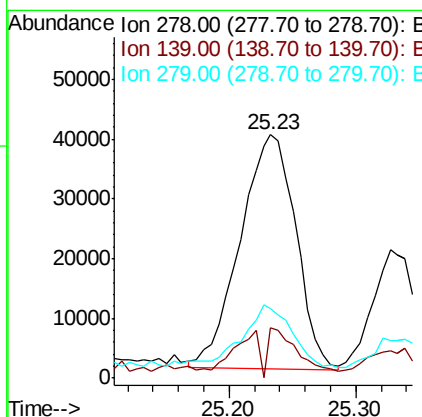
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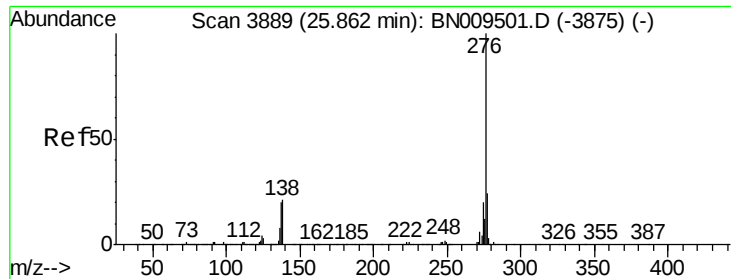
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#92
Dibenzo(a,h)anthracene
Concen: 2.134 ng/ul
RT: 25.23 min Scan# 3782
Delta R.T. -0.02 min
Lab File: BN009506.D
Acq: 31 Jan 2020 12:05

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.4	13.9	20.9
279	28.8	19.3	28.9





#93

Benzo(a,h,i)perylene

Concen: 3.607 ng/ul

RT: 25.86 min Scan# 3888

Delta R.T. -0.02 min

Lab File: BN009506.D

Acq: 31 Jan 2020 12:05

Instrument :

BNA_N

ClientSampleId :

GASZ4

Tot Ion:	276	Resp:	198476
Ion Ratio	Lower	Upper	
276	100		
138	23.5	16.6	24.8
277	22.4	18.7	28.1

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