

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050319\
 Data File : BN005454.D
 Acq On : 03 May 2019 16:28
 Operator : JU/SJ
 Sample : K2604-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ80

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:09 AM

Quant Time: May 04 01:28:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	301330	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1301884	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	793844	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	1719693	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	1555129	20.00	ng/ul	0.00
85) Perylene-d12	23.41	264	1661313	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	24562	3.94	ng/uL	0.00
5) Phenol-d5	6.78	99	549567	23.22	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	322711	21.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	445413	24.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	421619	22.79	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	240887	30.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	275563	33.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	474693	25.49	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	543530	28.30	ng/ul	0.00
43) Dimethylphthalate-d6	13.64	166	1572067	27.28	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	1894604	26.77	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	208846	22.95	ng/ul	0.00
57) Fluorene-d10	15.22	176	1307534	27.04	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	204071	26.38	ng/ul	0.00
70) Anthracene-d10	17.08	188	1998405	27.72	ng/ul	0.00
78) Pyrene-d10	19.39	212	2197835	27.63	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	2030860	27.97	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.80	94	42639	1.752	ng/ul	98
28) Naphthalene	10.40	128	6961150	115.018	ng/ul	99
34) 2-Methylnaphthalene	12.02	142	1694102	38.228	ng/ul	97
40) 1,1'-Biphenyl	13.05	154	336656	5.692	ng/ul#	97
44) Dimethylphthalate	13.69	163	366772	6.388	ng/ul	100
47) Acenaphthylene	13.94	152	1758991	25.289	ng/ul	98
49) Acenaphthene	14.29	153	105587	2.224	ng/ul	98
53) Dibenzofuran	14.63	168	123754	1.810	ng/ul	99
58) Fluorene	15.28	166	787697	14.765	ng/ul	97
69) Phenanthrene	17.02	178	3691793	44.080	ng/ul	99
71) Anthracene	17.11	178	904388	10.600	ng/ul	99
76) Fluoranthene	19.05	202	1477607	15.906	ng/ul	96
79) Pyrene	19.42	202	2066637	20.640	ng/ul#	94
82) Benzo(a)anthracene	21.19	228	735669m	7.604	ng/ul	
84) Chrysene	21.25	228	625425	6.966	ng/ul	98
87) Benzo(b)fluoranthene	22.76	252	477350	5.112	ng/ul	98
88) Benzo(k)fluoranthene	22.80	252	128838m	1.445	ng/ul	
90) Benzo(a)pyrene	23.32	252	526739m	6.001	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.59	276	192175	1.980	ng/ul#	93
93) Benzo(g,h,i)perylene	26.26	276	146363	1.824	ng/ul	93

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

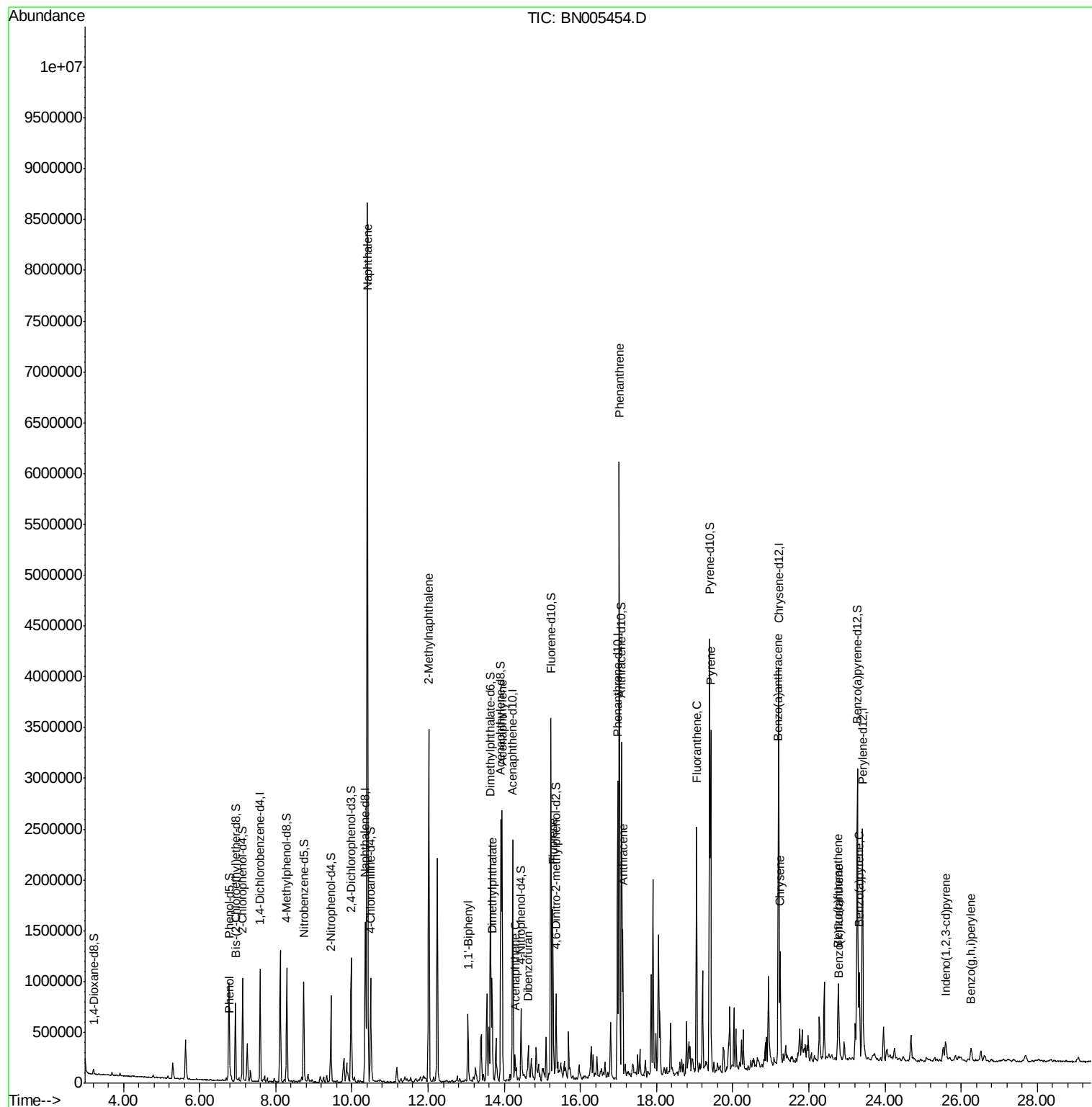
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050319\
Data File : BN005454.D
Acq On : 03 May 2019 16:28
Operator : JU/SJ
Sample : K2604-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

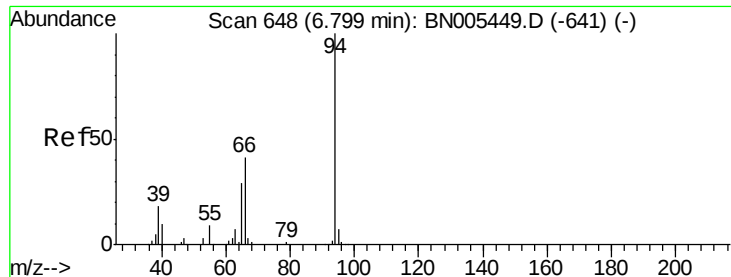
Instrument :
BNA_N
ClientSampleId :
GAJ80

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Quant Time: May 04 01:28:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration





#6

Phenol

Concen: 1.752 ng/ul

RT: 6.80 min Scan# 648

Delta R.T. -0.00 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

Instrument :

BNA_N

ClientSampleId :

GAJ80

Tot Ion: 94 Resp: 42639

Ion Ratio Lower Upper

94 100

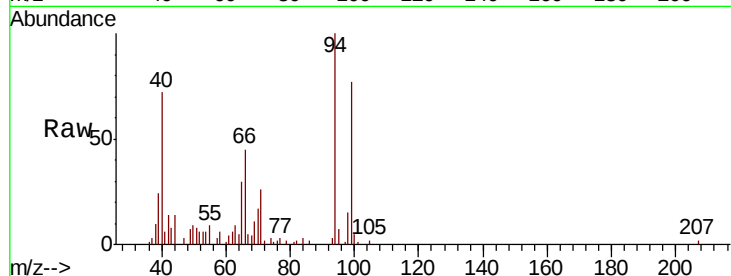
65 30.5 24.2 36.4

66 44.7 33.8 50.6

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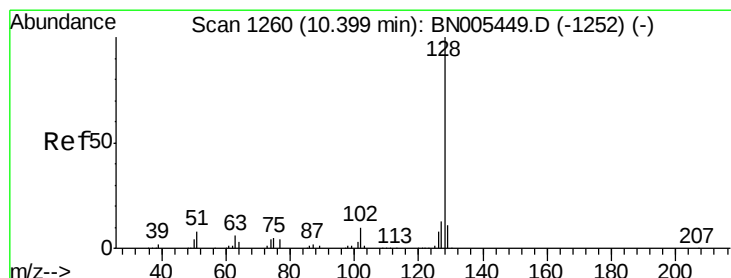
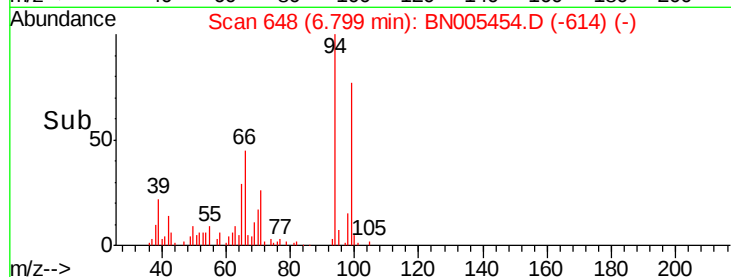
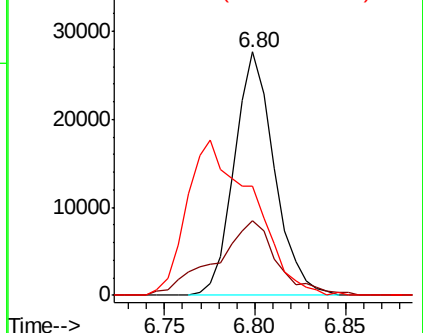
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Abundance Ion 94.00 (93.70 to 94.70): BN005449.D (-641) (-)

Ion 65.00 (64.70 to 65.70): BN005449.D (-641) (-)

Ion 66.00 (65.70 to 66.70): BN005449.D (-641) (-)



#28

Naphthalene

Concen: 115.018 ng/ul

RT: 10.40 min Scan# 1261

Delta R.T. 0.01 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

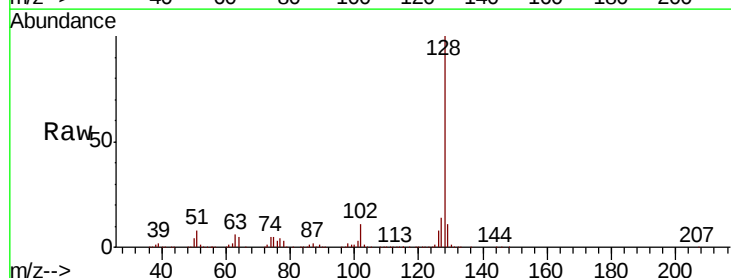
Tgt Ion:128 Resp: 6961150

Ion Ratio Lower Upper

128 100

129 11.2 9.2 13.8

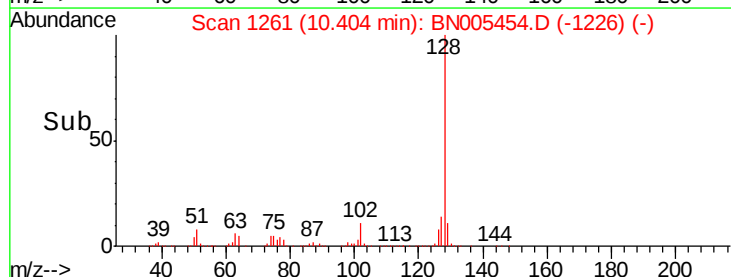
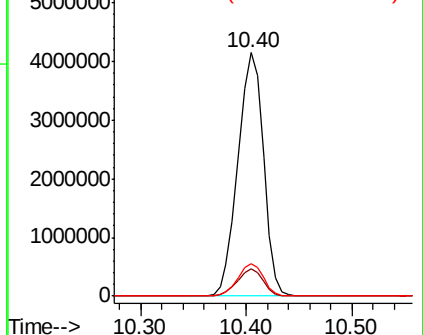
127 13.6 10.7 16.1

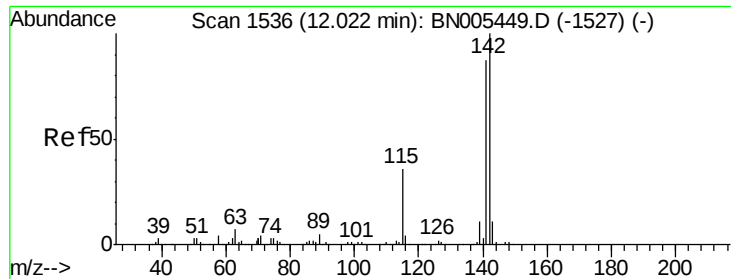


Abundance Ion 128.00 (127.70 to 128.70): BN005449.D (-1252) (-)

Ion 129.00 (128.70 to 129.70): BN005449.D (-1252) (-)

Ion 127.00 (126.70 to 127.70): BN005449.D (-1252) (-)





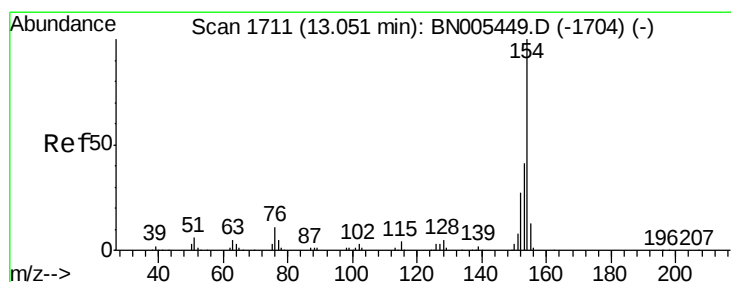
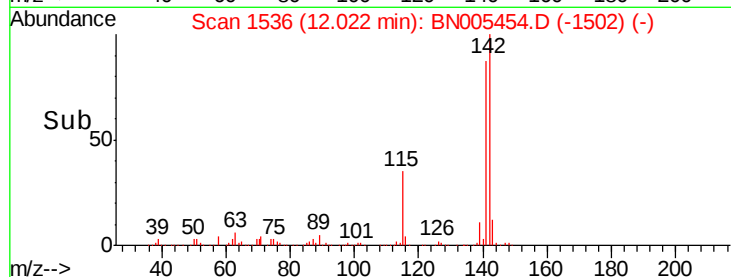
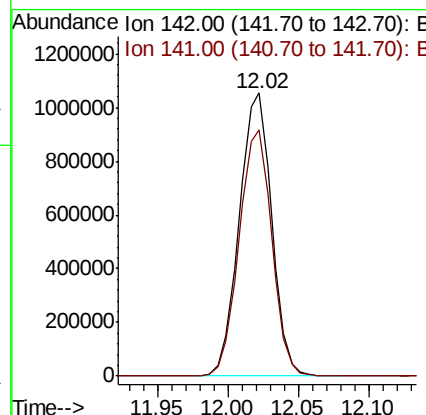
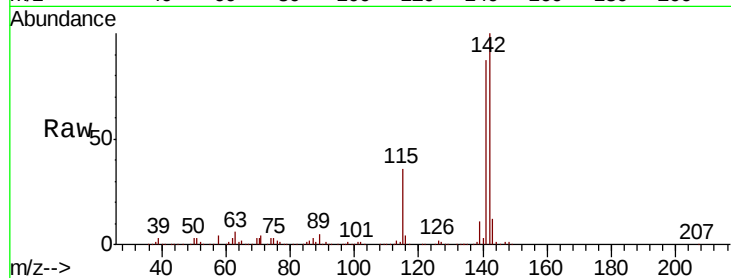
#34
 2-Methylnaphthalene
 Concen: 38.228 ng/ul
 RT: 12.02 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: BN005454.D
 Acq: 03 May 2019 16:28

Instrument :
 BNA_N
 ClientSampleId :
 GAJ80

Tot Ion:142 Resp: 1694102
 Ion Ratio Lower Upper
 142 100
 141 87.1 72.0 108.0

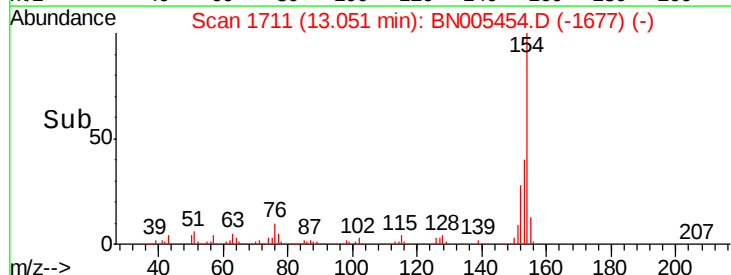
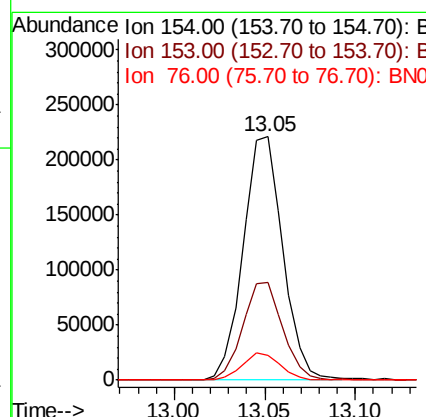
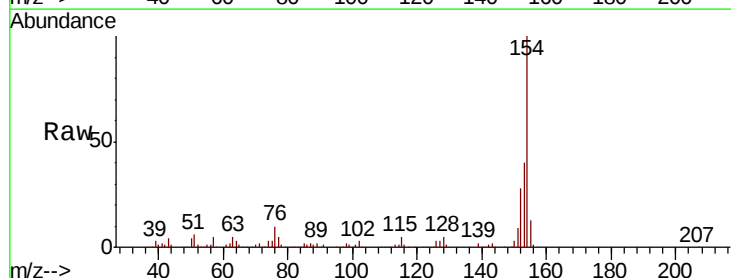
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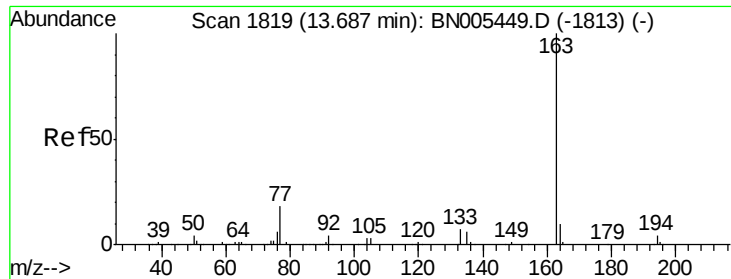
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#40
 1,1'-Biphenyl
 Concen: 5.692 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.00 min
 Lab File: BN005454.D
 Acq: 03 May 2019 16:28

Tgt Ion:154 Resp: 336656
 Ion Ratio Lower Upper
 154 100
 153 40.1 32.6 49.0
 76 10.0 10.4 15.6#





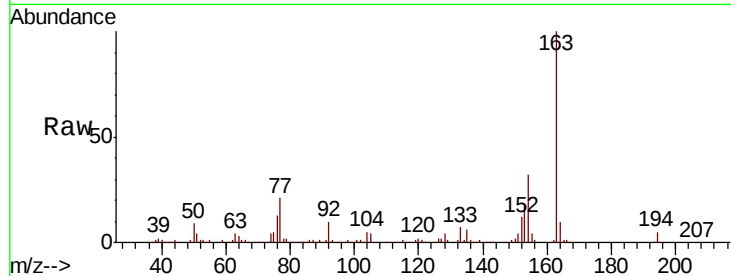
#44
Dimethylphthalate
Concen: 6.388 ng/ul
RT: 13.69 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BN005454.D
Acq: 03 May 2019 16:28

Instrument :
BNA_N
ClientSampleId :
GAJ80

Tot Ion	Ratio	Resp	Lower	Upper
163	100	366772		
194	4.6		3.4	5.0
164	10.1		8.1	12.1

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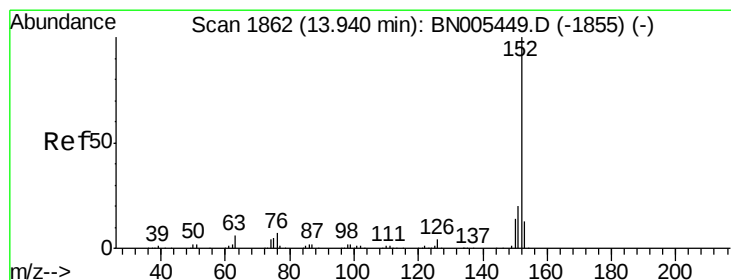
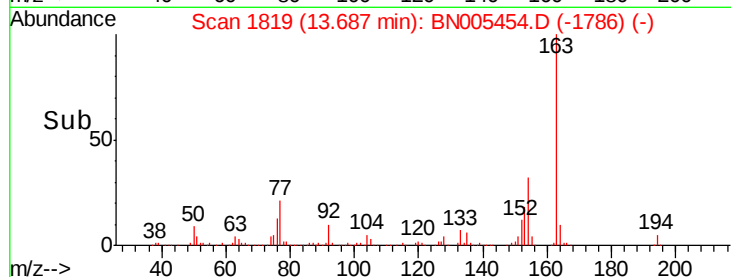
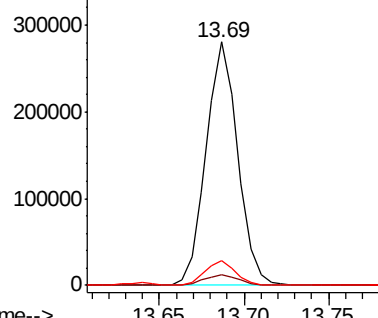


Abundance

Ion 163.00 (162.70 to 163.70): E

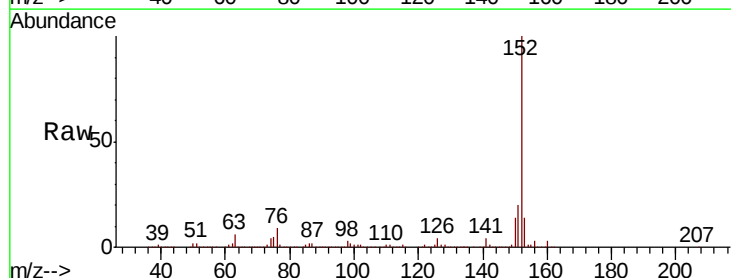
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#47
Acenaphthylene
Concen: 25.289 ng/ul
RT: 13.94 min Scan# 1862
Delta R.T. -0.01 min
Lab File: BN005454.D
Acq: 03 May 2019 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	1758991		
151	20.0		15.8	23.8
153	13.8		9.8	14.8

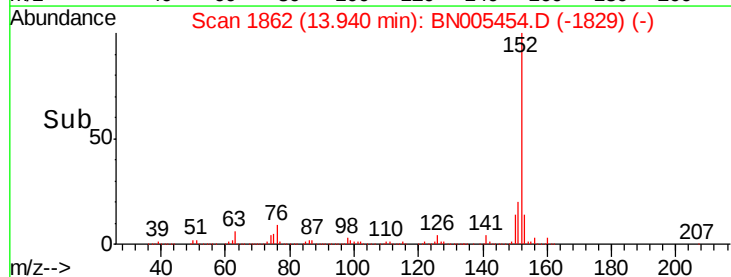
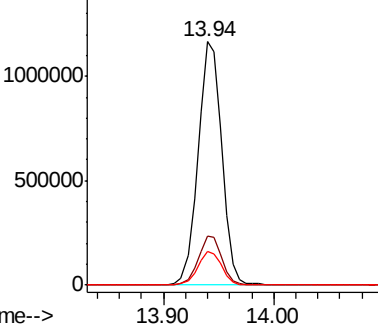


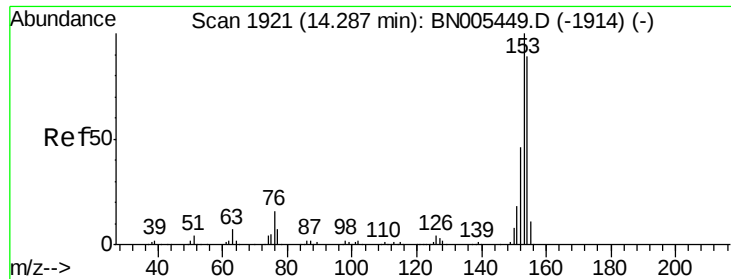
Abundance

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: 2.224 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

Instrument :

BNA_N

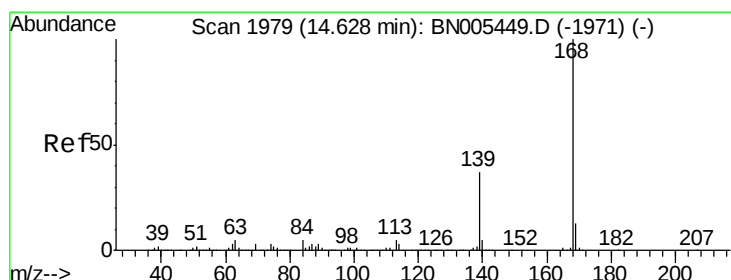
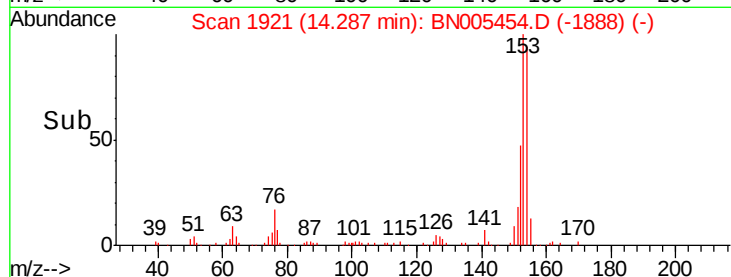
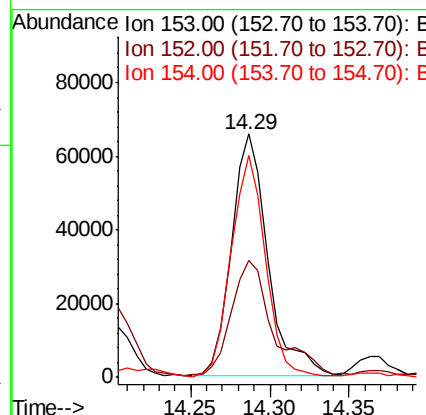
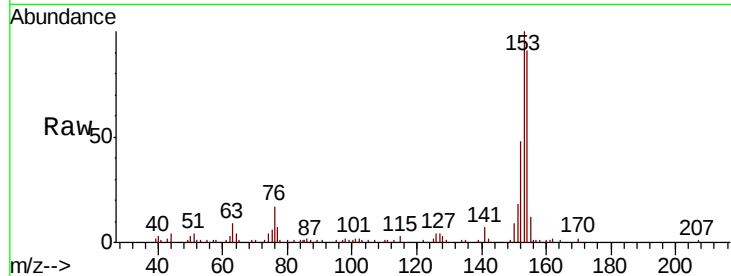
ClientSampleId :

GAJ80

Tot Ion:	153	Resp:	105587
Ion Ratio	Lower	Upper	
153	100		
152	47.9	37.4	56.0
154	91.0	71.2	106.8

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#53

Dibenzofuran

Concen: 1.810 ng/ul

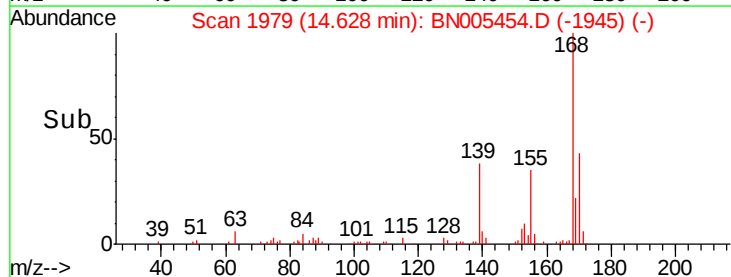
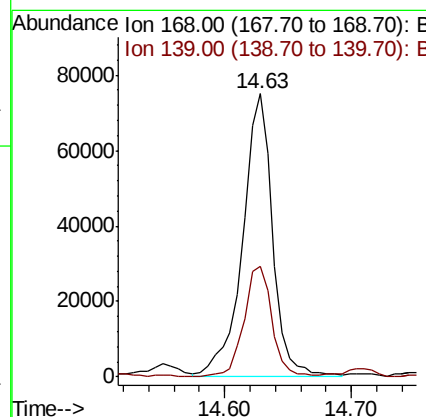
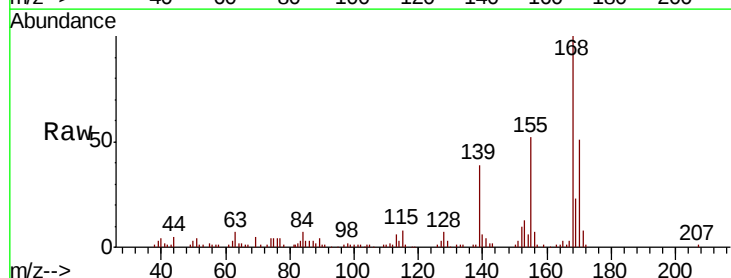
RT: 14.63 min Scan# 1979

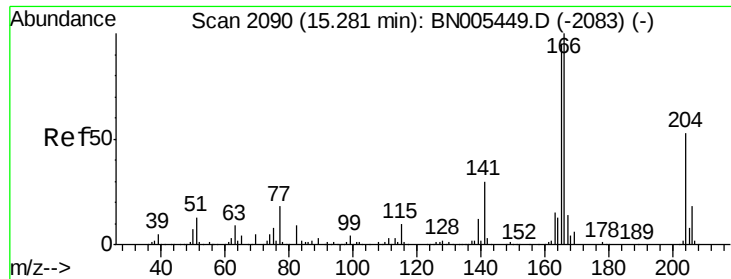
Delta R.T. -0.00 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

Tgt Ion:	168	Resp:	123754
Ion Ratio	Lower	Upper	
168	100		
139	39.2	30.9	46.3





#58

Fluorene

Concen: 14.765 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. -0.00 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

Instrument :

BNA_N

ClientSampleId :

GAJ80

Tot Ion:166 Resp: 787697

Ion Ratio Lower Upper

166 100

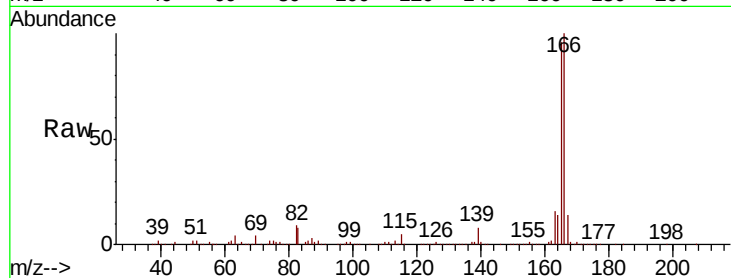
165 96.2 80.0 120.0

167 13.7 10.7 16.1

Manual Integrations
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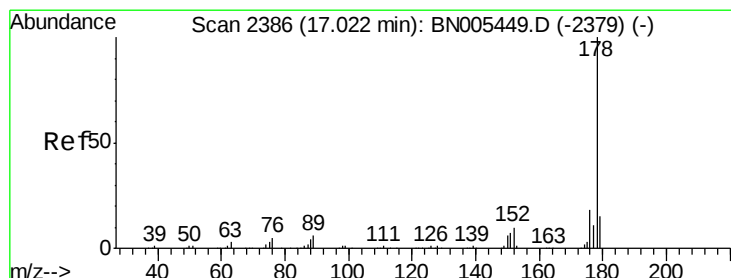
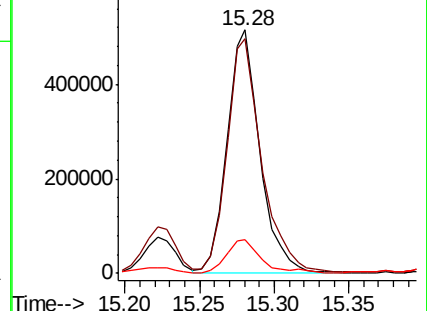
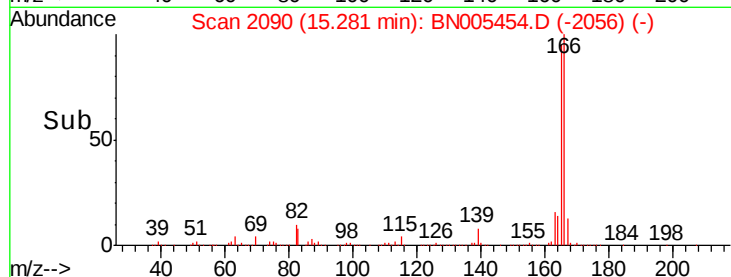
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 44.080 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. -0.00 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

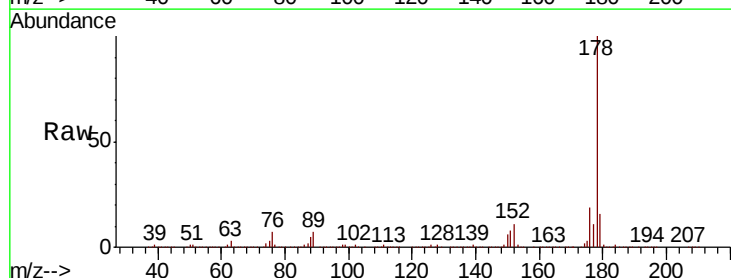
Tgt Ion:178 Resp: 3691793

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.4

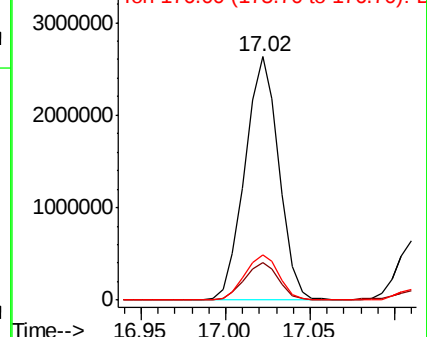
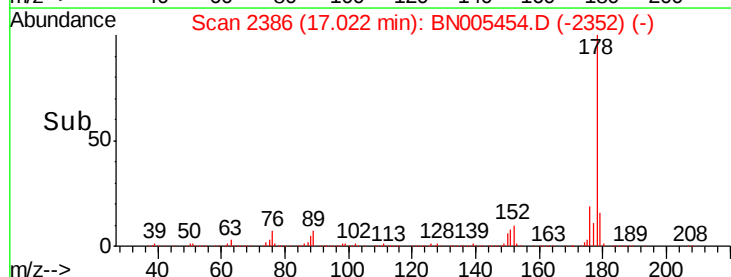
176 18.7 15.1 22.7

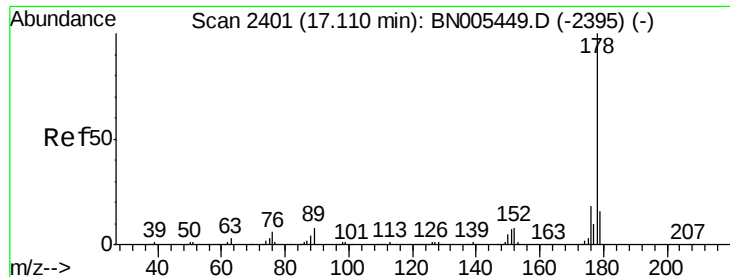


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





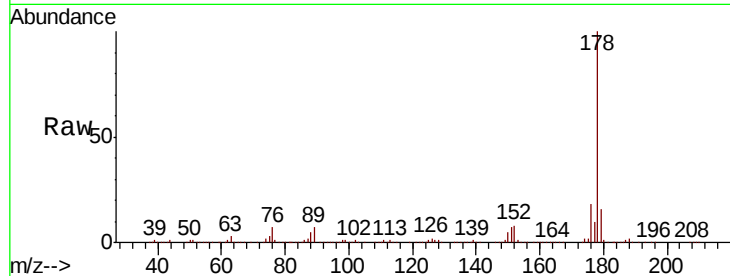
#71
 Anthracene
 Concen: 10.600 ng/ul
 RT: 17.11 min Scan# 2401
 Delta R.T. -0.01 min
 Lab File: BN005454.D
 Acq: 03 May 2019 16:28

Instrument :
 BNA_N
 ClientSampled :
 GAJ80

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.3	18.5
176	18.2	15.1	22.7

Manual Integrations
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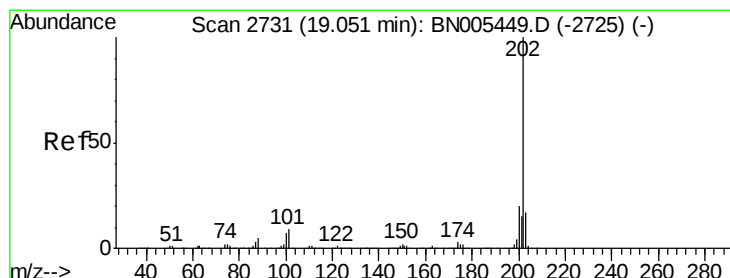
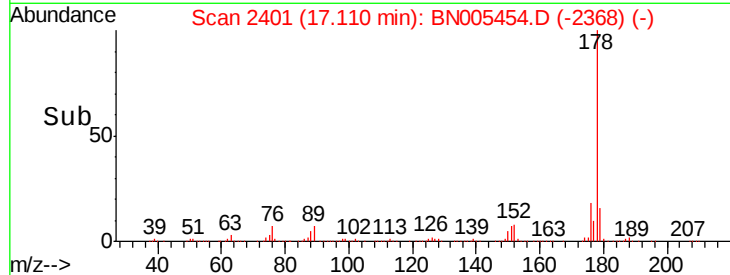
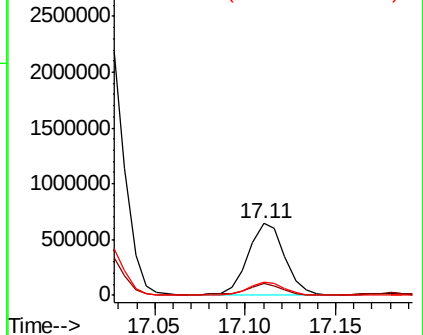


Abundance

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: 15.906 ng/ul
 RT: 19.05 min Scan# 2731
 Delta R.T. -0.01 min
 Lab File: BN005454.D
 Acq: 03 May 2019 16:28

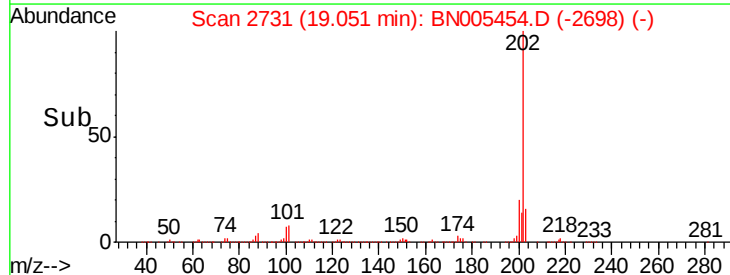
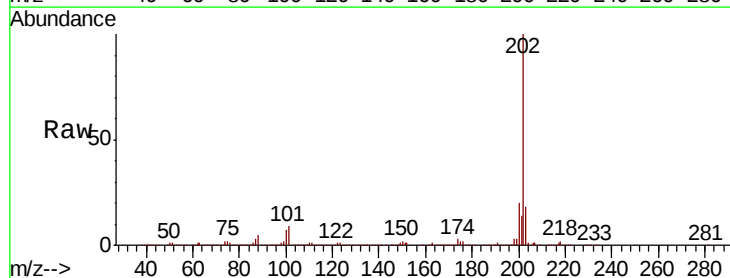
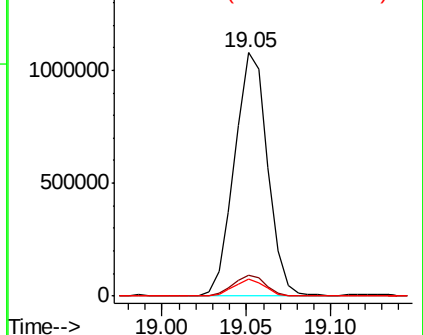
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.7	8.6	12.8
100	7.0	6.3	9.5

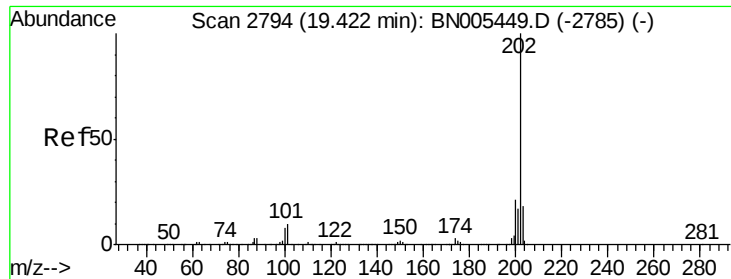
Abundance

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: 20.640 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. -0.00 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

Instrument :

BNA_N

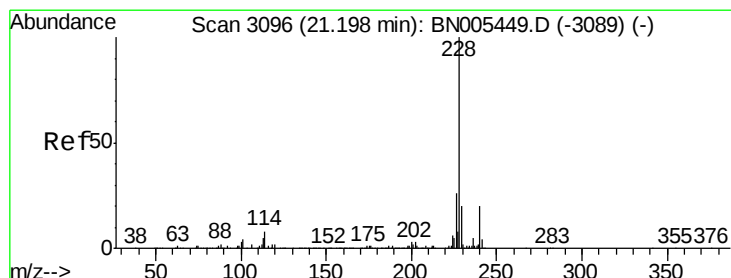
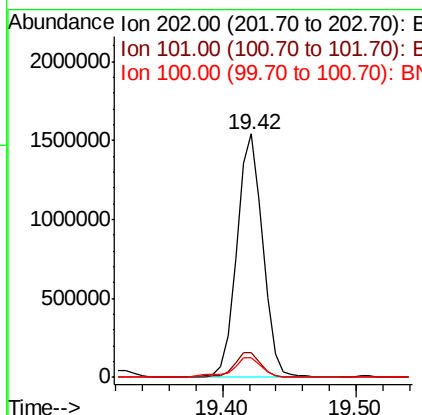
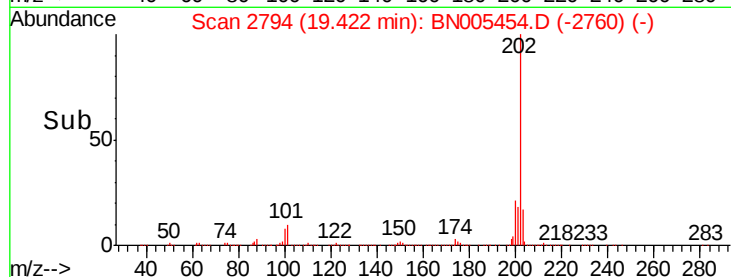
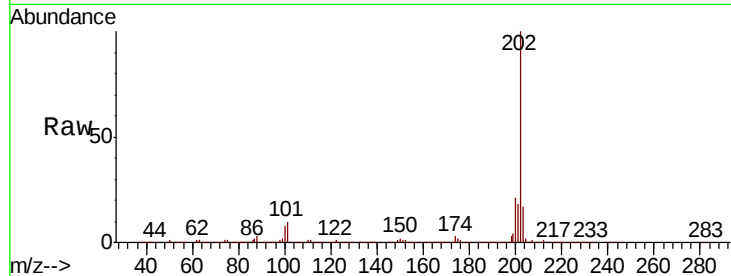
ClientSampleId :

GAJ80

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.9	10.3	15.5#
100	8.3	7.9	11.9

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#82

Benzo(a)anthracene

Concen: 7.604 ng/ul m

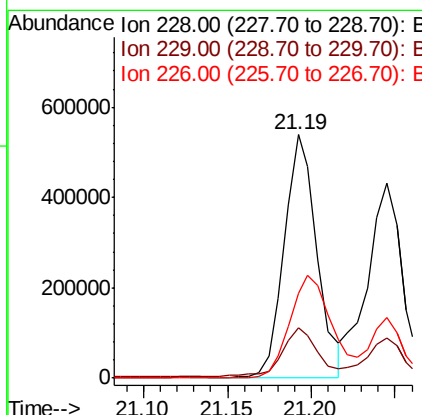
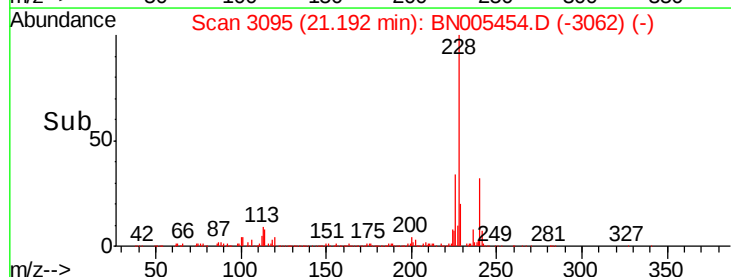
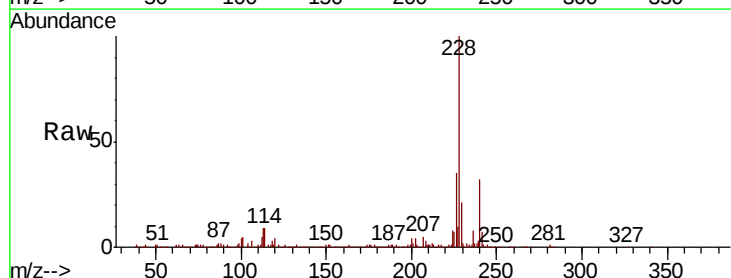
RT: 21.19 min Scan# 3095

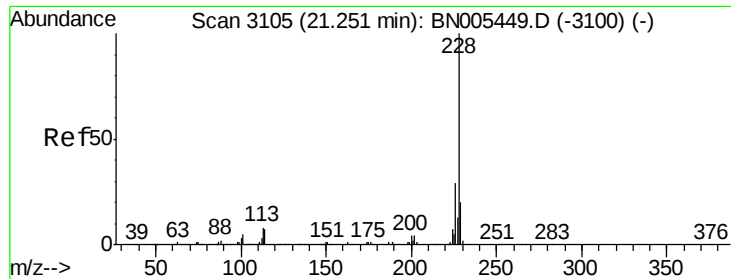
Delta R.T. -0.01 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.8	23.6
226	34.9	21.4	32.2#





#84

Chrysene

Concen: 6.966 ng/ul

RT: 21.25 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

Instrument :

BNA_N

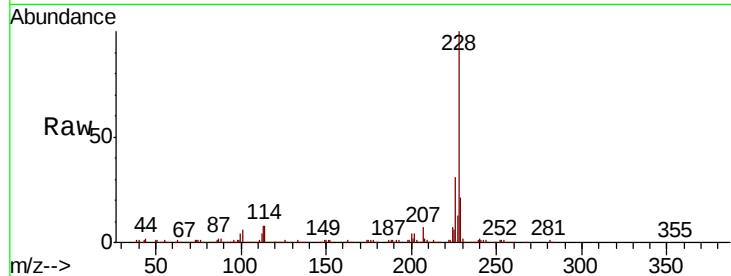
ClientSampled :

GAJ80

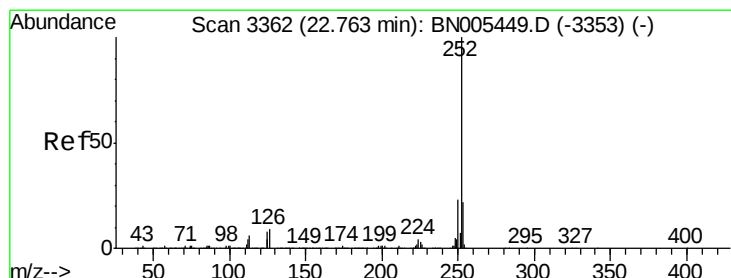
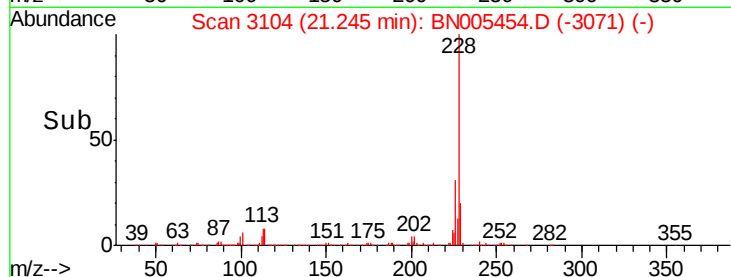
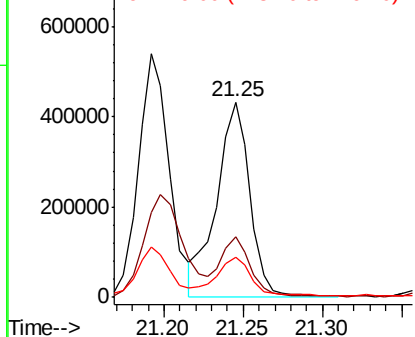
Tot Ion:	228	Resp:	625425
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.0	36.0
229	20.6	15.4	23.0

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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: 5.112 ng/ul

RT: 22.76 min Scan# 3362

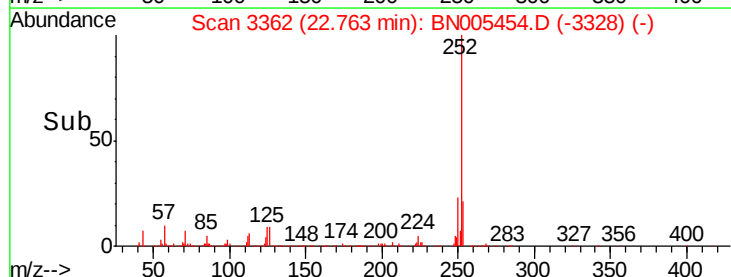
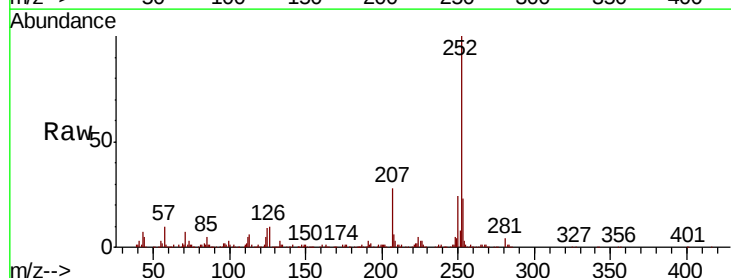
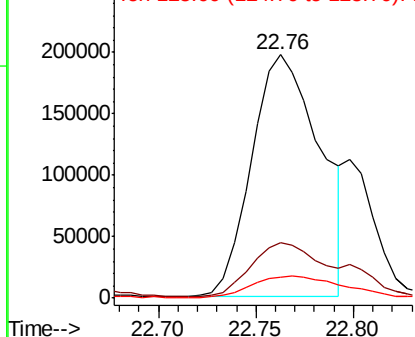
Delta R.T. -0.00 min

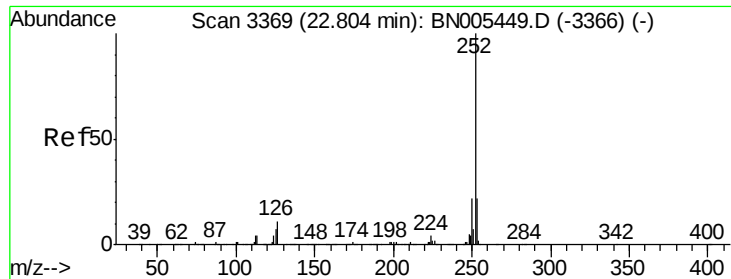
Lab File: BN005454.D

Acq: 03 May 2019 16:28

Tgt Ion:	252	Resp:	477350
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.7	26.5
125	8.6	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





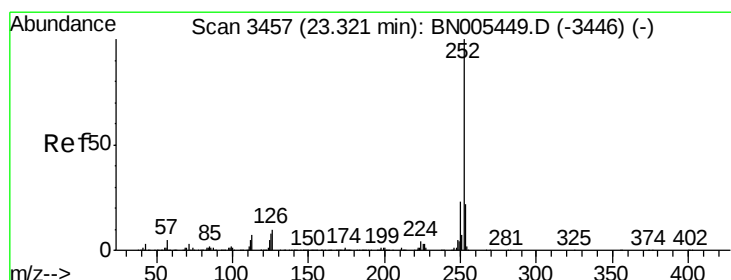
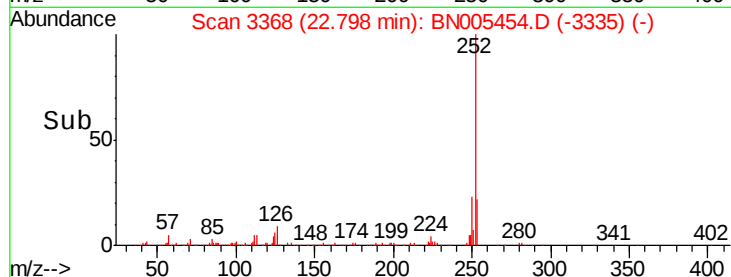
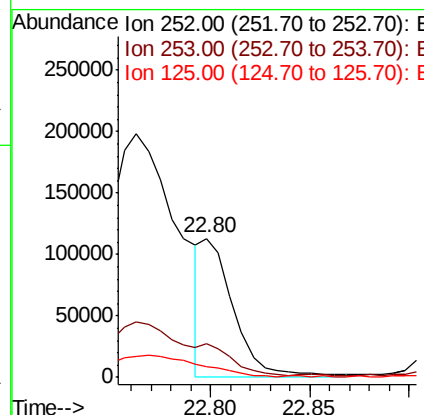
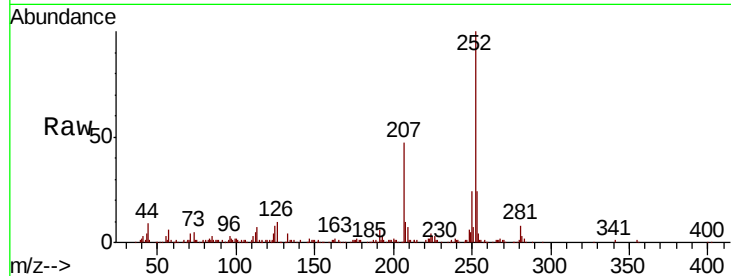
#88
Benzo(k)fluoranthene
Concen: 1.445 ng/ul m
RT: 22.80 min Scan# 3368
Delta R.T. -0.01 min
Lab File: BN005454.D
Acq: 03 May 2019 16:28

Instrument :
BNA_N
ClientSampled :
GAJ80

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.0
125	7.7	7.5	11.3

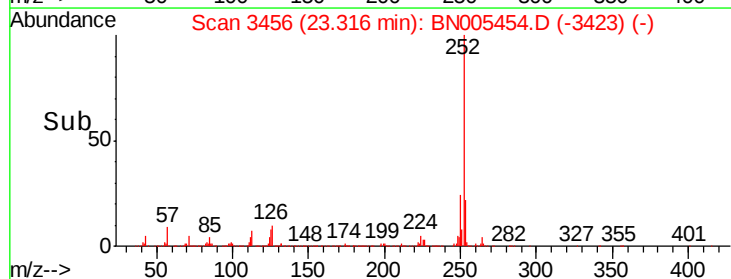
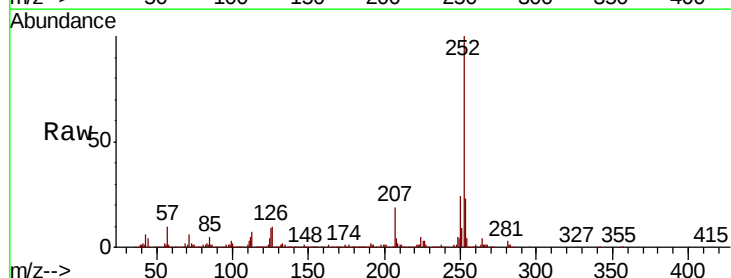
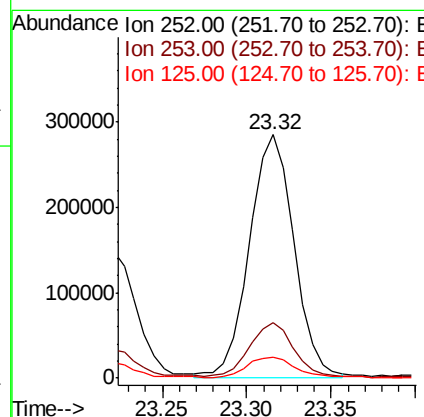
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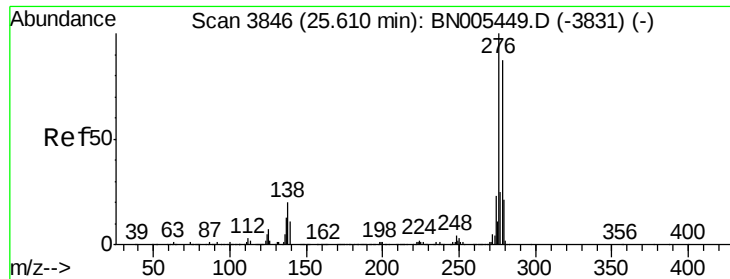
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#90
Benzo(a)pyrene
Concen: 6.001 ng/ul m
RT: 23.32 min Scan# 3456
Delta R.T. -0.01 min
Lab File: BN005454.D
Acq: 03 May 2019 16:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.3	25.9
125	8.6	8.6	13.0





#91

Indeno(1,2,3-cd)pyrene

Concen: 1.980 ng/ul

RT: 25.59 min Scan# 3842

Delta R.T. -0.02 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

Instrument :

BNA_N

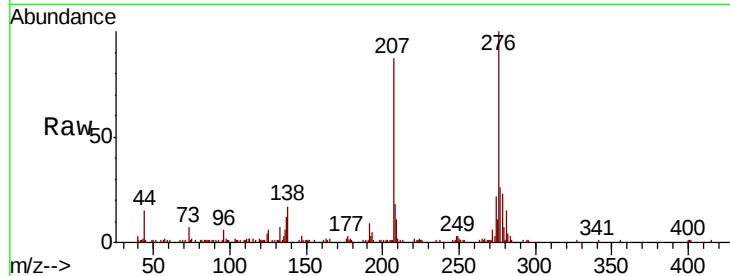
ClientSampleId :

GAJ80

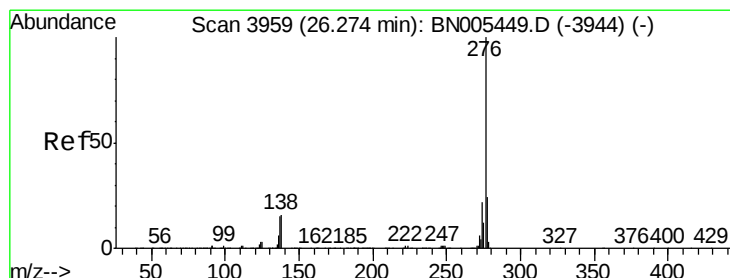
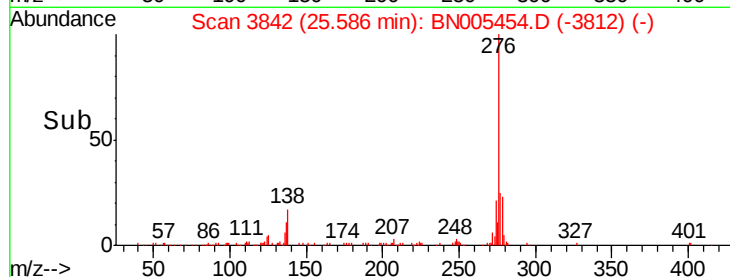
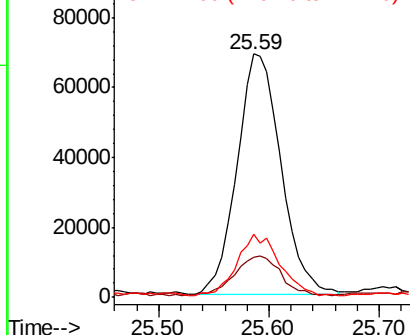
Tot Ion:	276	Resp:	192175
Ion Ratio		Lower	Upper
276	100		
138	16.5	17.9	26.9#
277	25.7	19.7	29.5

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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

Benzo(g,h,i)perylene

Concen: 1.824 ng/ul

RT: 26.26 min Scan# 3956

Delta R.T. -0.02 min

Lab File: BN005454.D

Acq: 03 May 2019 16:28

Tgt Ion:	276	Resp:	146363
Ion Ratio		Lower	Upper
276	100		
138	17.0	16.7	25.1
277	25.2	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

