

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN043019\
 Data File : BN005385.D
 Acq On : 30 Apr 2019 23:07
 Operator : JU/SJ
 Sample : K2481-22ME
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHX5ME

Manual Integrations
 APPROVED

Sohil
 5/1/2019 12:05:55 PM

Quant Time: May 01 07:25:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 25 03:19:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	333768	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1472050	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	941171	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	2264129	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	2361705	20.00	ng/ul	-0.02
85) Perylene-d12	23.40	264	2503919	20.00	ng/ul	-0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	30701	4.44	ng/uL	0.00
5) Phenol-d5	6.78	99	665676	25.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	401803	24.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	550563	27.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	537081	26.21	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	286104	31.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	334406	36.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	578840	27.49	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	790471	36.41	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	2030606	29.72	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	2458659	29.30	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	334304	30.99	ng/ul	0.00
57) Fluorene-d10	15.23	176	1758820	30.67	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	329246	32.33	ng/ul	0.00
70) Anthracene-d10	17.08	188	2915178	30.71	ng/ul	0.00
78) Pyrene-d10	19.39	212	3589507	29.71	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	3504271	32.02	ng/ul	-0.03

Target Compounds

					Ovalue
6) Phenol	6.80	94	69242	2.568	ng/ul 98
11) 2-Methylphenol	8.03	108	22607	1.119	ng/ul 98
16) 4-Methylphenol	8.36	108	48730	2.233	ng/ul 98
28) Naphthalene	10.41	128	9091494	132.852	ng/ul 99
34) 2-Methylnaphthalene	12.02	142	3726901	74.378	ng/ul 98
40) 1,1'-Biphenyl	13.05	154	485869	6.929	ng/ul 97
44) Dimethylphthalate	13.69	163	412755	6.063	ng/ul 99
47) Acenaphthylene	13.95	152	1793271	21.746	ng/ul 98
49) Acenaphthene	14.29	153	300595	5.339	ng/ul 98
53) Dibenzofuran	14.63	168	1120483	13.823	ng/ul 99
58) Fluorene	15.28	166	1569838	24.820	ng/ul 96
69) Phenanthrene	17.03	178	6793859	61.613	ng/ul 99
71) Anthracene	17.12	178	1951748	17.375	ng/ul 98
74) Carbazole	17.39	167	454627	4.711	ng/ul 98
76) Fluoranthene	19.06	202	3829302	31.309	ng/ul 96
79) Pyrene	19.42	202	3613249	23.762	ng/ul 96
82) Benzo(a)anthracene	21.19	228	1759021	11.972	ng/ul 95
84) Chrysene	21.25	228	1418683	10.404	ng/ul 97
87) Benzo(b)fluoranthene	22.75	252	1220901	8.674	ng/ul 99
88) Benzo(k)fluoranthene	22.79	252	456959m	3.399	ng/ul
90) Benzo(a)pyrene	23.31	252	1030231	7.787	ng/ul 99
91) Indeno(1,2,3-cd)pyrene	25.57	276	407121	2.783	ng/ul 96
92) Dibenzo(a,h)anthracene	25.57	278	130116	1.048	ng/ul# 82

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(q,h,i)perylene	26.24	276	253735	2.098	ng/ul	98

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

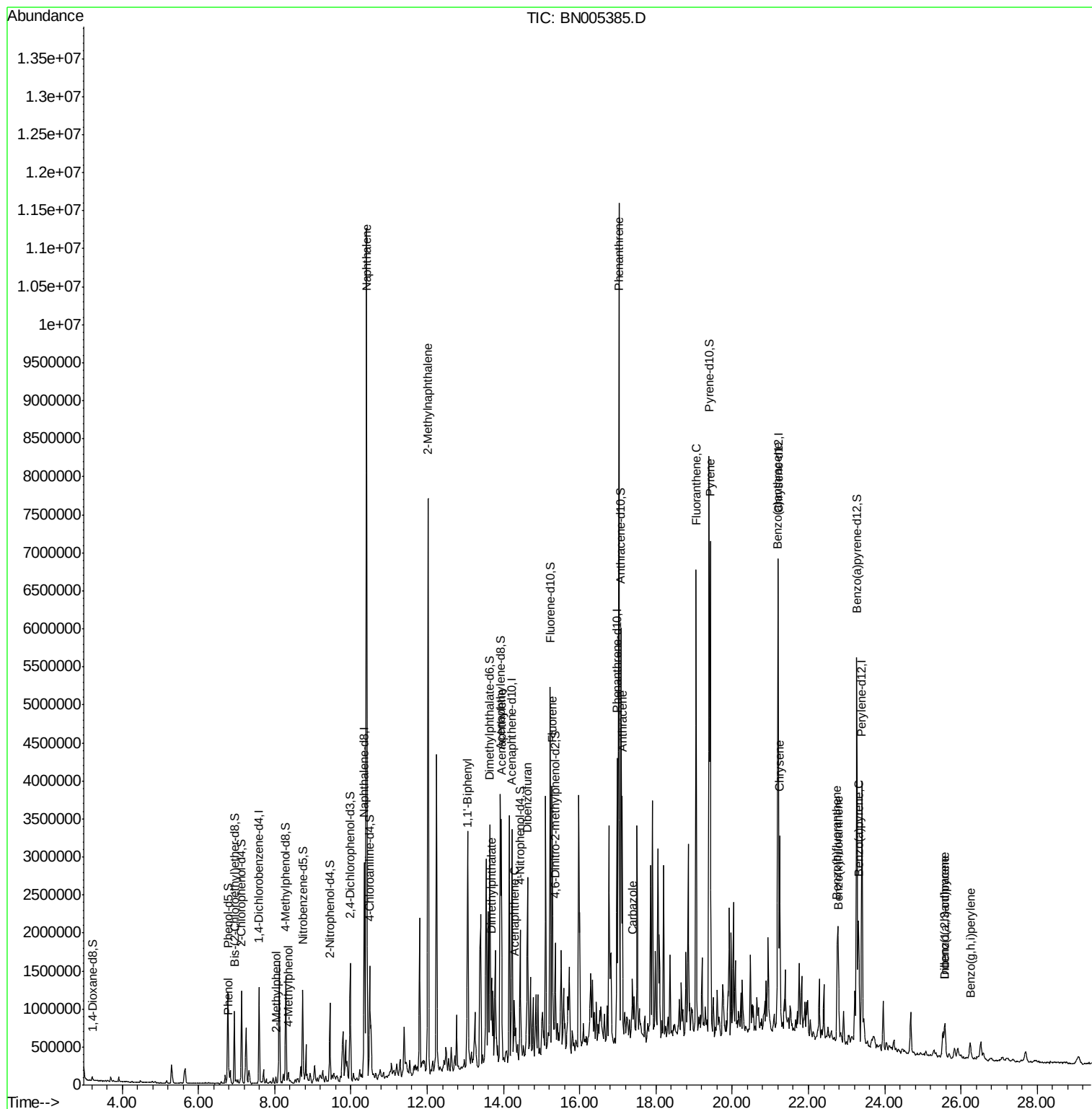
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN043019\
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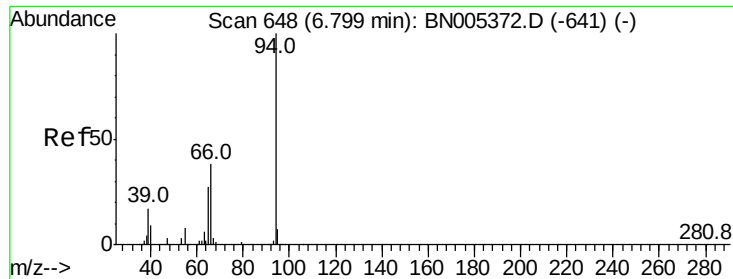
Instrument :
BNA_N
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GAHX5ME

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#6

Phenol

Concen: 2.568 ng/ul

RT: 6.80 min Scan# 648

Delta R.T. -0.01 min

Lab File: BN005385.D

Acq: 30 Apr 2019 23:07

Instrument :

BNA_N

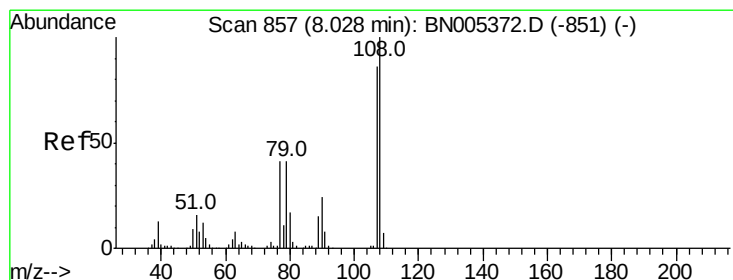
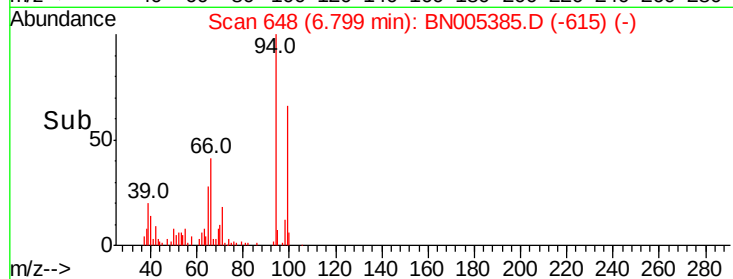
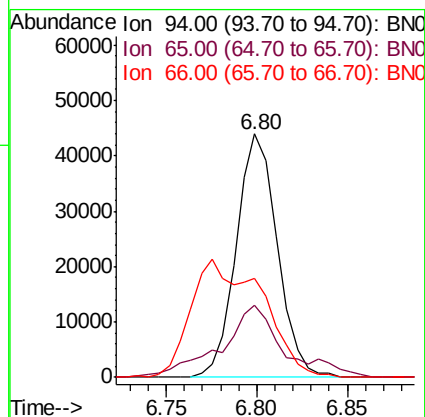
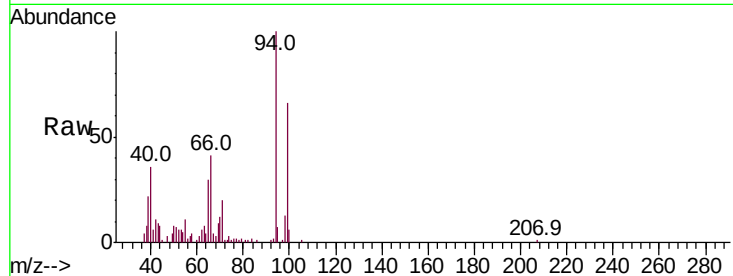
ClientSampleId :

GAHX5ME

Tot Ion:	94	Resp:	69242
Ion	Ratio	Lower	Upper
94	100		
65	29.7	24.2	36.4
66	40.5	33.8	50.6

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#11

2-Methylphenol

Concen: 1.119 ng/ul

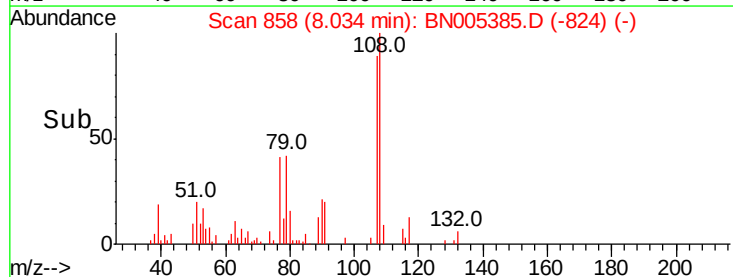
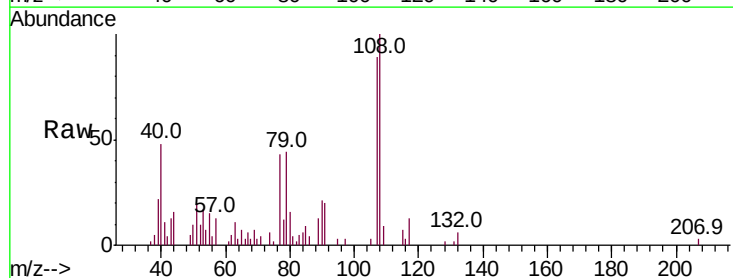
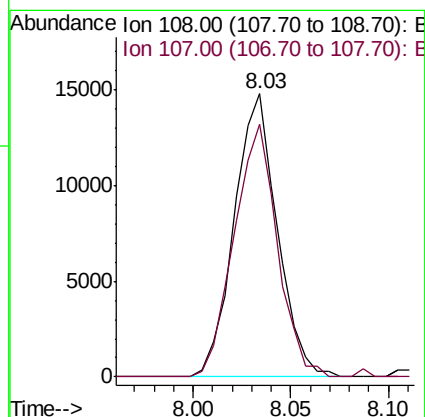
RT: 8.03 min Scan# 858

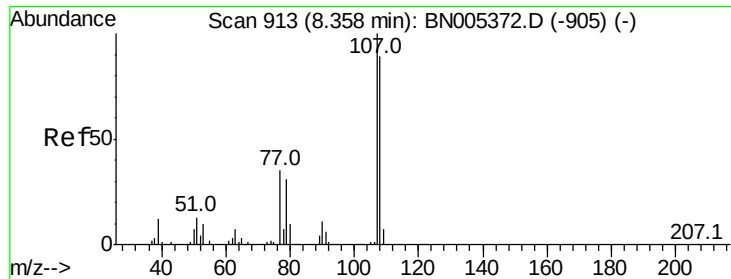
Delta R.T. 0.00 min

Lab File: BN005385.D

Acq: 30 Apr 2019 23:07

Tgt Ion:	108	Resp:	22607
Ion	Ratio	Lower	Upper
108	100		
107	89.5	72.9	109.3





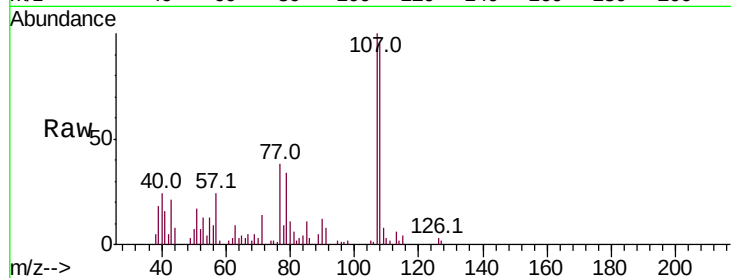
#16
4-Methylphenol
Concen: 2.233 ng/ul
RT: 8.36 min Scan# 913
Delta R.T. -0.01 min
Lab File: BN005385.D
Acq: 30 Apr 2019 23:07

Instrument :
BNA_N
ClientSampleId :
GAHX5ME

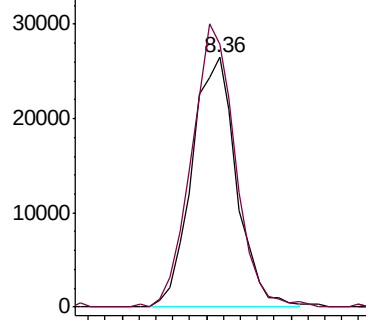
Tot Ion	Ratio	Lower	Upper
108	100		
107	105.2	86.1	129.1

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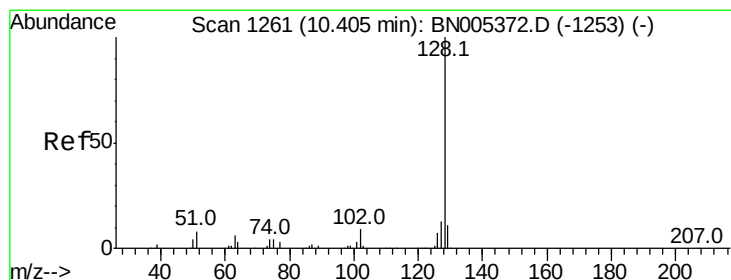
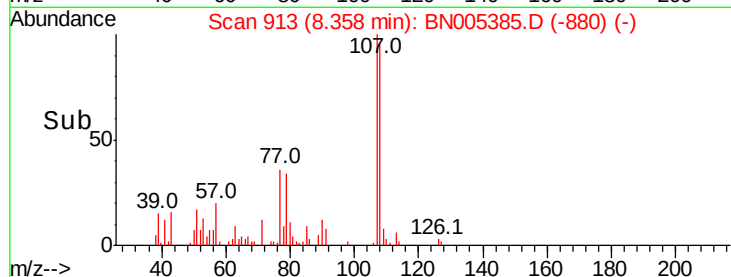
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Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E

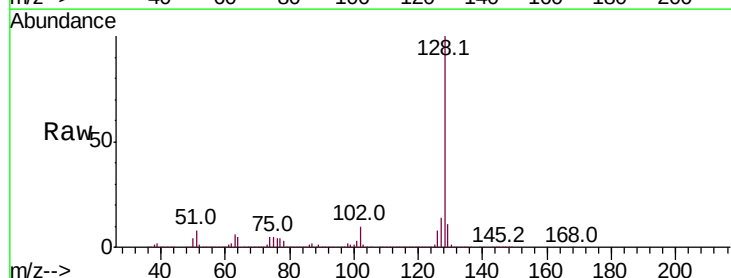


Time-->

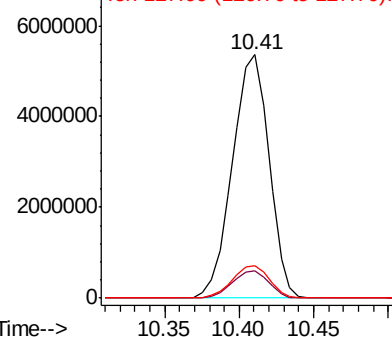


#28
Naphthalene
Concen: 132.852 ng/ul
RT: 10.41 min Scan# 1262
Delta R.T. 0.00 min
Lab File: BN005385.D
Acq: 30 Apr 2019 23:07

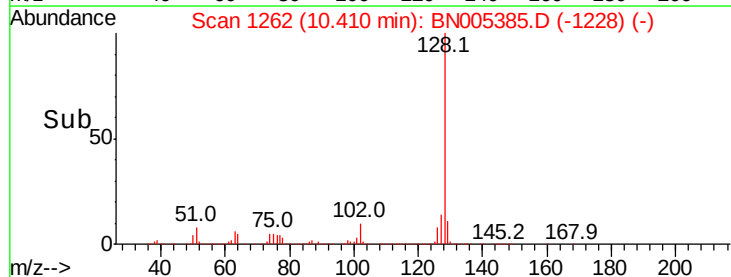
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.2	13.8
127	13.6	10.7	16.1

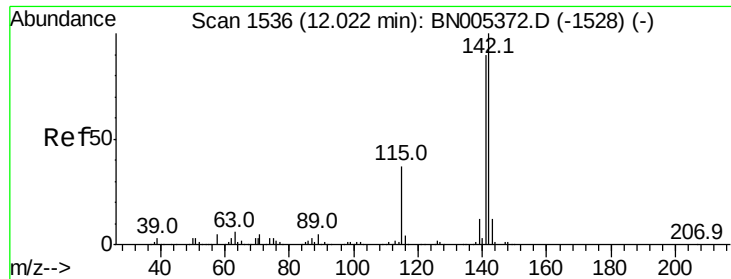


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



Time-->





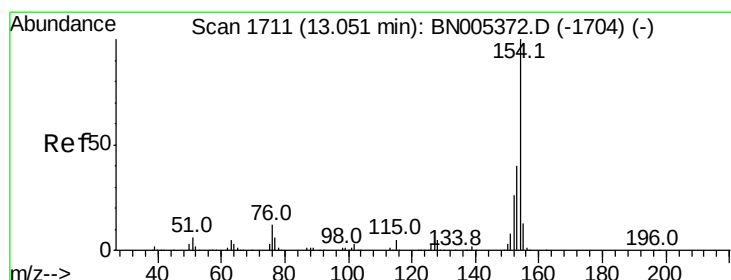
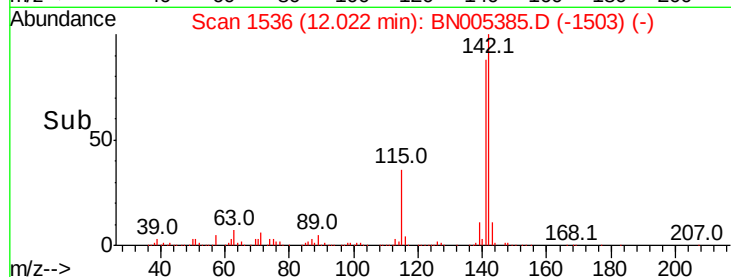
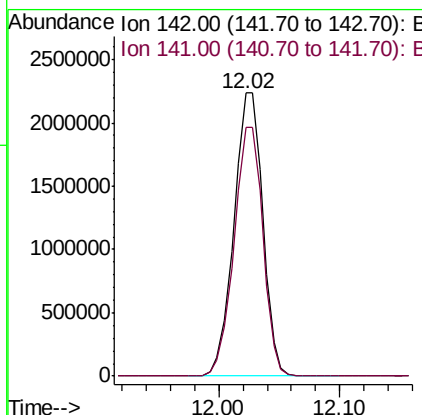
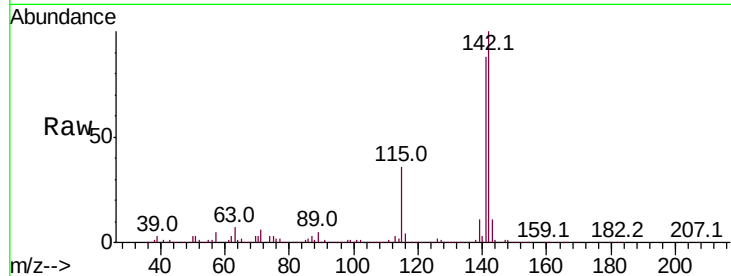
#34
 2-Methylnaphthalene
 Concen: 74.378 ng/ul
 RT: 12.02 min Scan# 1536
 Delta R.T. -0.01 min
 Lab File: BN005385.D
 Acq: 30 Apr 2019 23:07

Instrument :
 BNA_N
 ClientSampled :
 GAHX5ME

Tot Ion:142 Resp: 3726901
 Ion Ratio Lower Upper
 142 100
 141 87.9 72.0 108.0

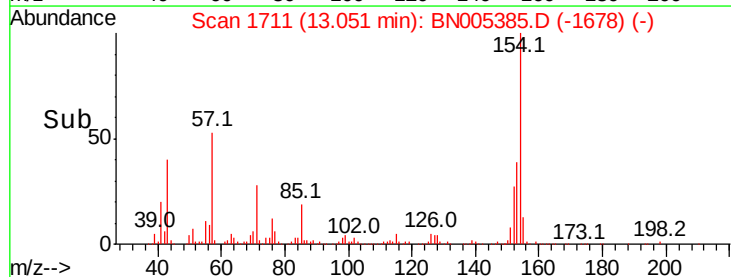
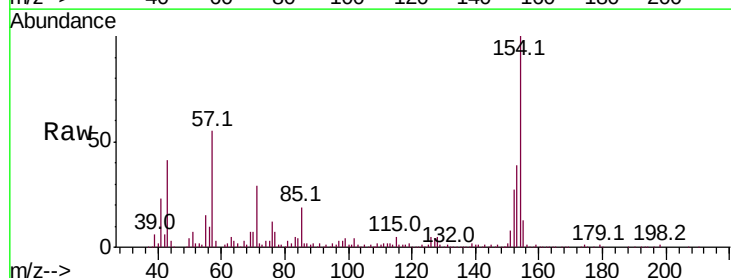
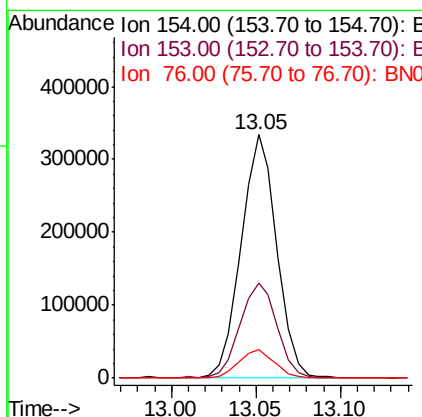
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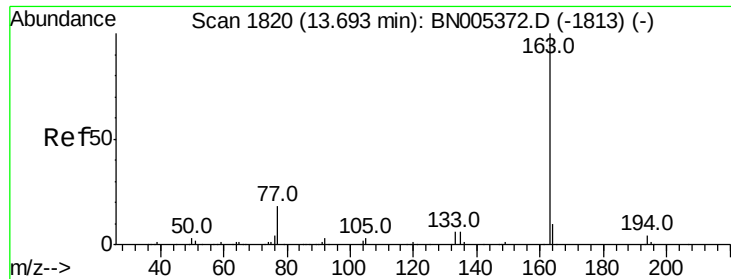
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#40
 1,1'-Biphenyl
 Concen: 6.929 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BN005385.D
 Acq: 30 Apr 2019 23:07

Tgt Ion:154 Resp: 485869
 Ion Ratio Lower Upper
 154 100
 153 39.0 32.6 49.0
 76 11.7 10.4 15.6





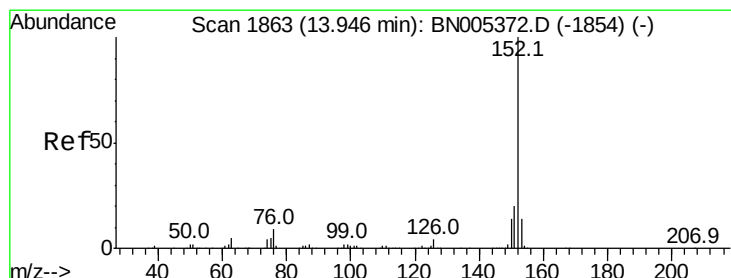
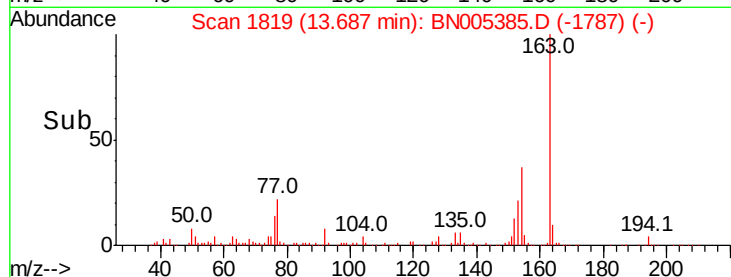
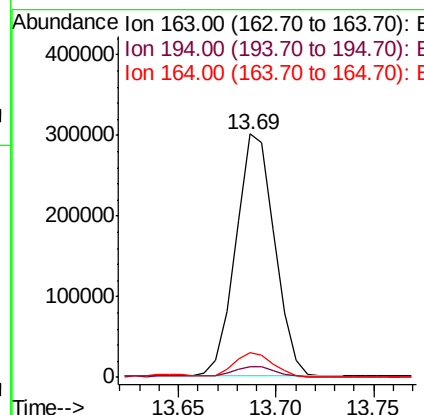
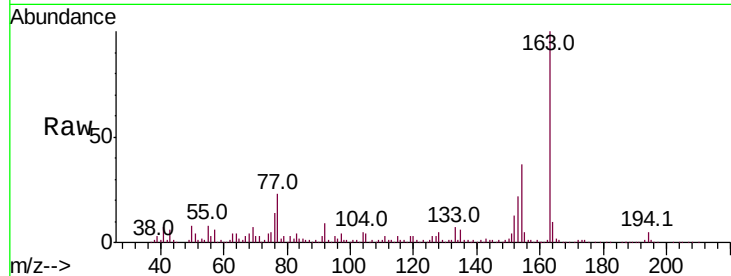
#44
Dimethylphthalate
Concen: 6.063 ng/ul
RT: 13.69 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BN005385.D
Acq: 30 Apr 2019 23:07

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Tot Ion	Ratio	Resp	Lower	Upper
163	100	412755		
194	4.6		3.4	5.0
164	10.2		8.1	12.1

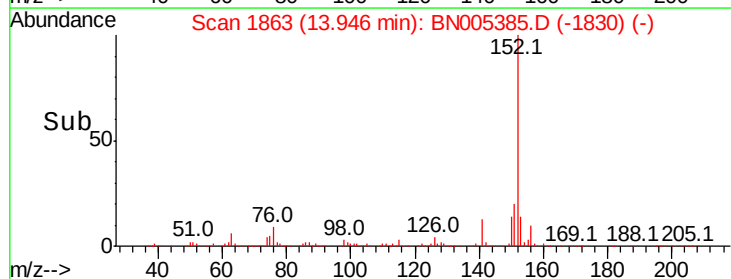
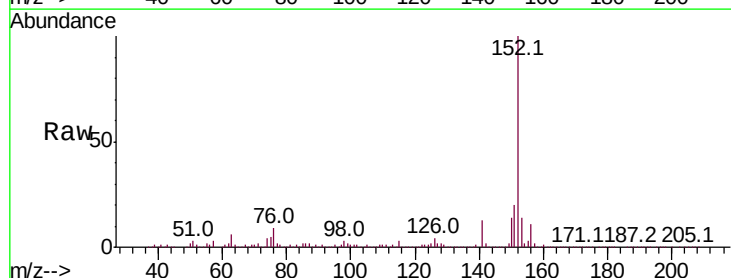
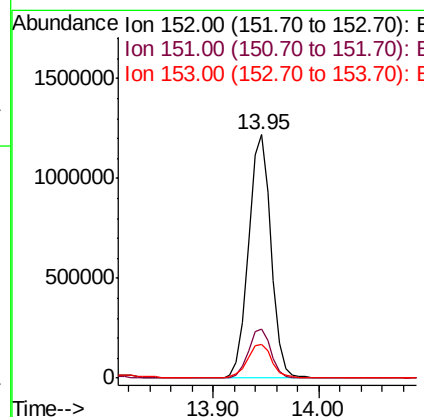
Manual Integrations
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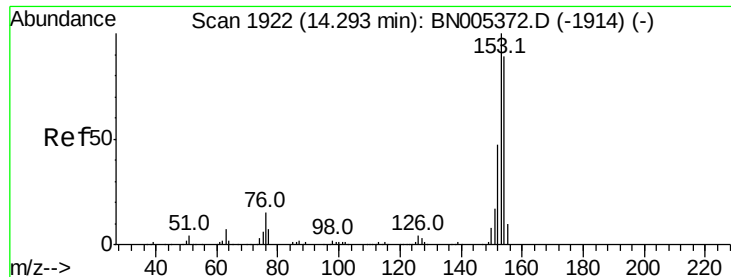
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#47
Acenaphthylene
Concen: 21.746 ng/ul
RT: 13.95 min Scan# 1863
Delta R.T. -0.01 min
Lab File: BN005385.D
Acq: 30 Apr 2019 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	1793271		
151	19.9		15.8	23.8
153	14.1		9.8	14.8





#49

Acenaphthene

Concen: 5.339 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BN005385.D

Acq: 30 Apr 2019 23:07

Instrument :

BNA_N

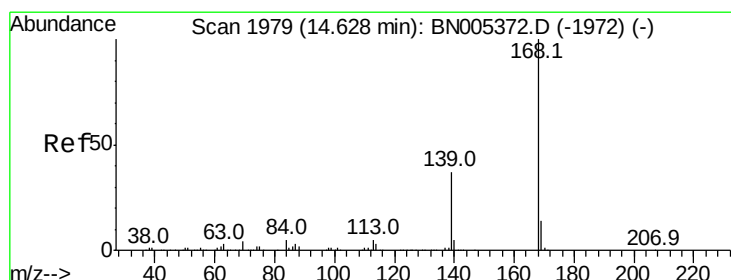
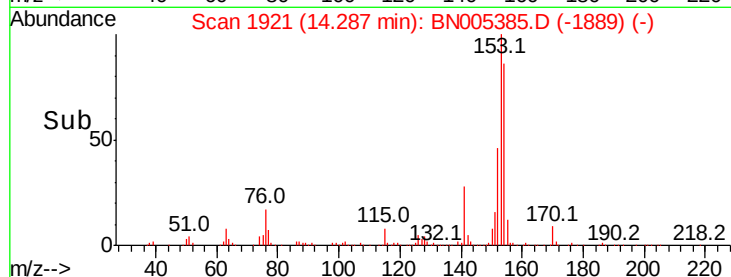
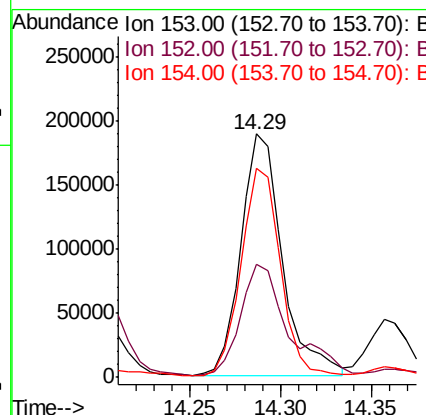
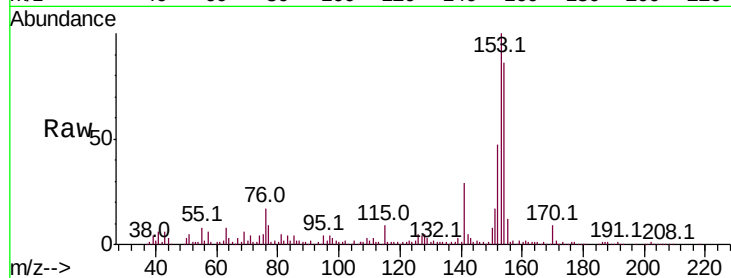
ClientSampleId :

GAHX5ME

Tot Ion:	153	Resp:	300595
Ion Ratio	Lower	Upper	
153	100		
152	46.6	37.4	56.0
154	85.7	71.2	106.8

Manual Integrations
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#53

Dibenzofuran

Concen: 13.823 ng/ul

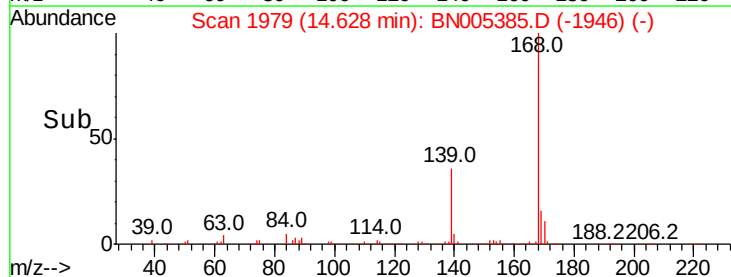
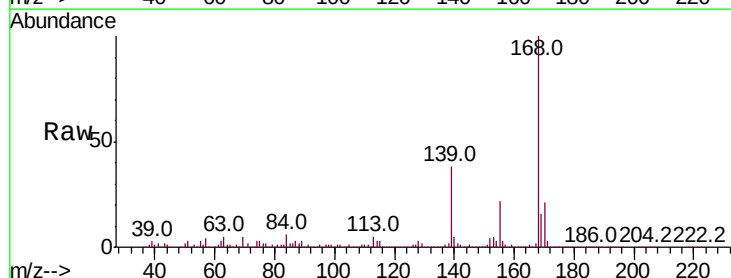
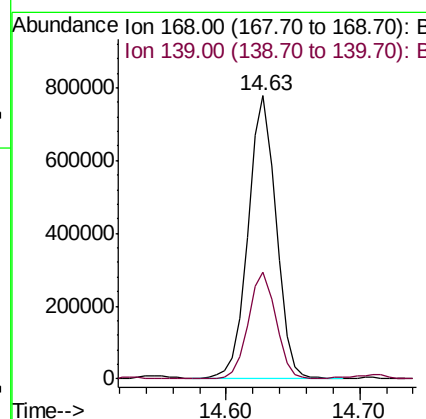
RT: 14.63 min Scan# 1979

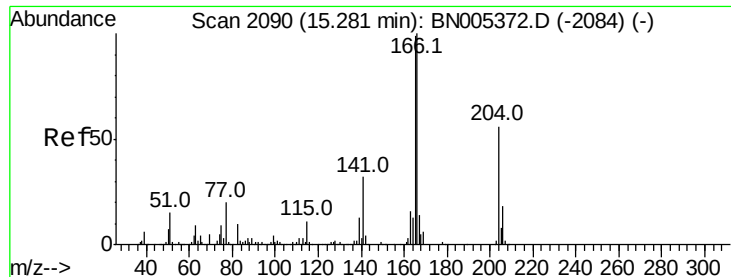
Delta R.T. -0.01 min

Lab File: BN005385.D

Acq: 30 Apr 2019 23:07

Tgt Ion:	168	Resp:	1120483
Ion Ratio	Lower	Upper	
168	100		
139	37.8	30.9	46.3





#58

Fluorene

Concen: 24.820 ng/ul

RT: 15.28 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BN005385.D

Acq: 30 Apr 2019 23:07

Instrument :

BNA_N

ClientSampleId :

GAHX5ME

Tot Ion:166 Resp: 1569838

Ion Ratio Lower Upper

166 100

165 96.3 80.0 120.0

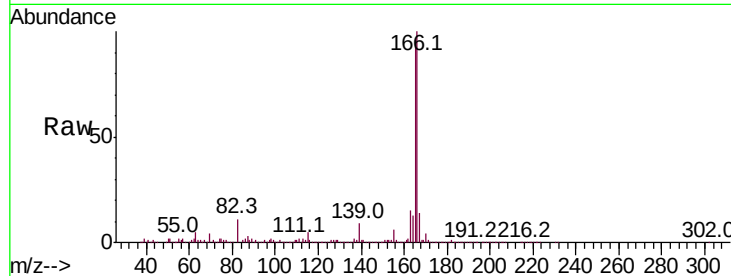
167 14.4 10.7 16.1

Manual Integrations

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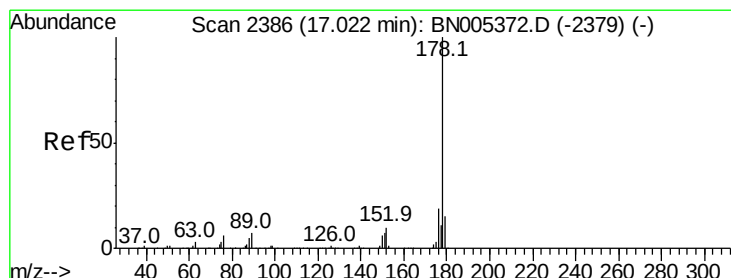
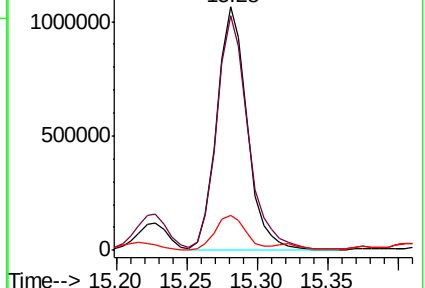
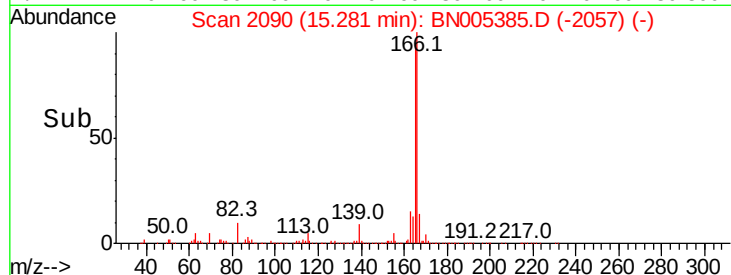
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 61.613 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. 0.00 min

Lab File: BN005385.D

Acq: 30 Apr 2019 23:07

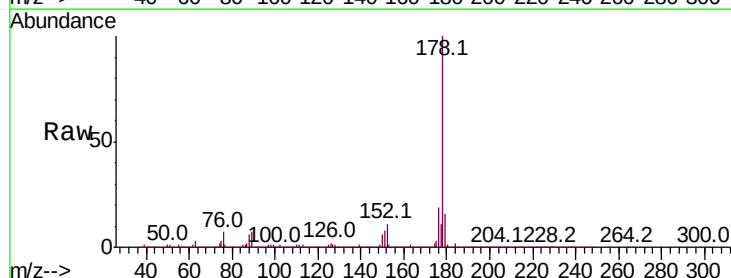
Tgt Ion:178 Resp: 6793859

Ion Ratio Lower Upper

178 100

179 16.1 12.2 18.4

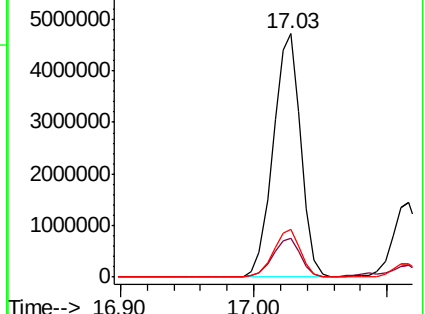
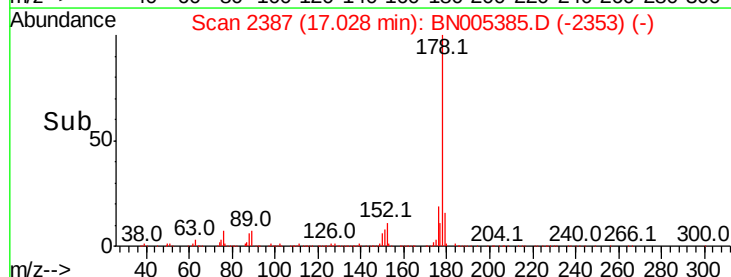
176 19.4 15.1 22.7

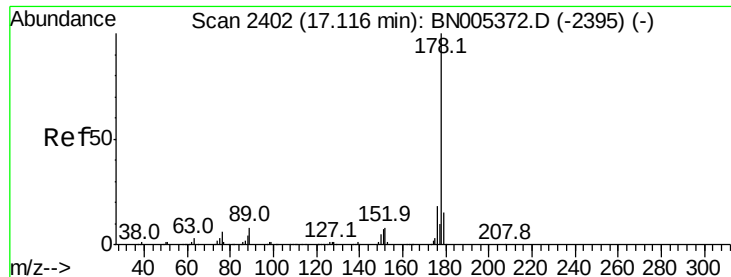


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 17.375 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. 0.00 min

Lab File: BN005385.D

Acq: 30 Apr 2019 23:07

Instrument :

BNA_N

ClientSampleId :

GAHX5ME

Tot Ion:178 Resp: 1951748

Ion Ratio Lower Upper

178 100

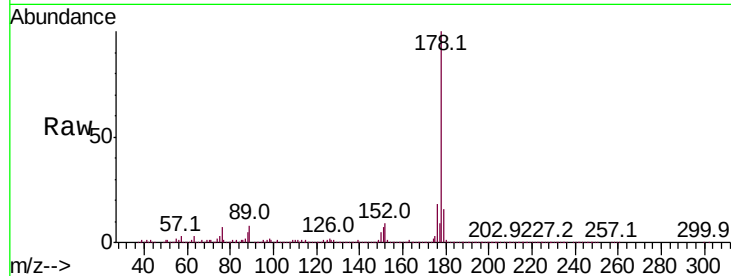
179 15.9 12.3 18.5

176 17.9 15.1 22.7

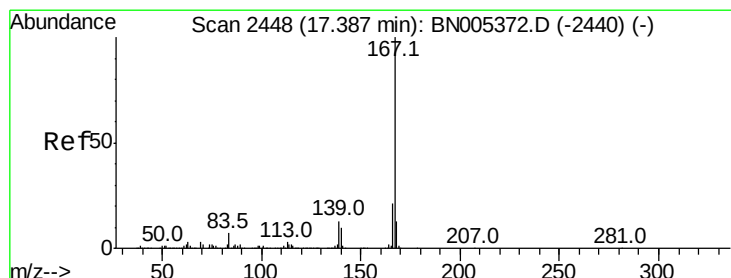
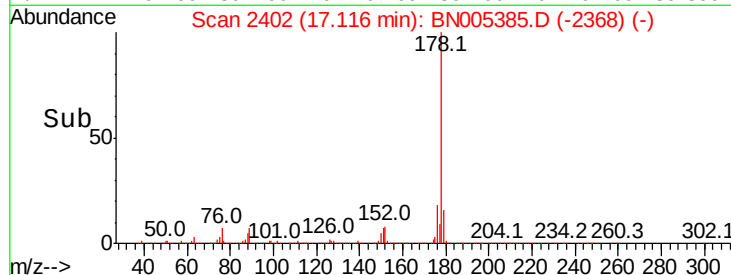
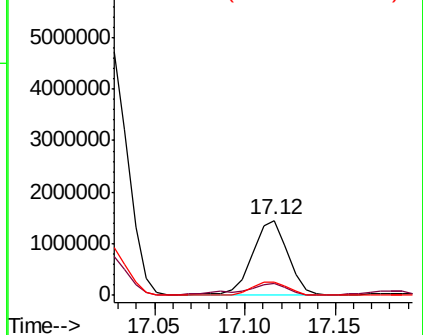
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#74

Carbazole

Concen: 4.711 ng/ul

RT: 17.39 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BN005385.D

Acq: 30 Apr 2019 23:07

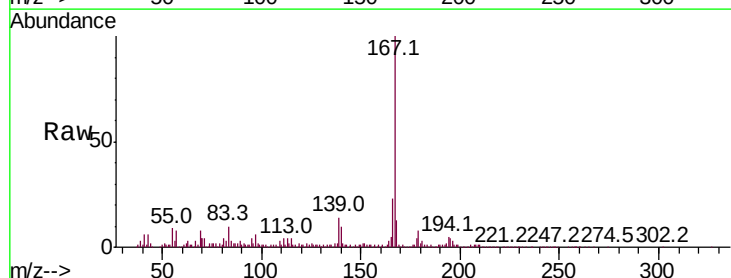
Tgt Ion:167 Resp: 454627

Ion Ratio Lower Upper

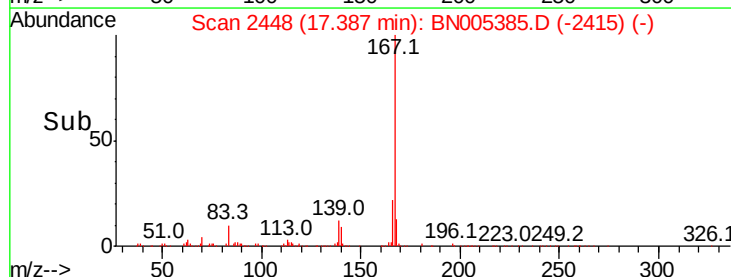
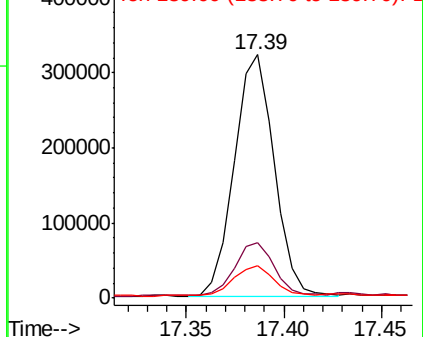
167 100

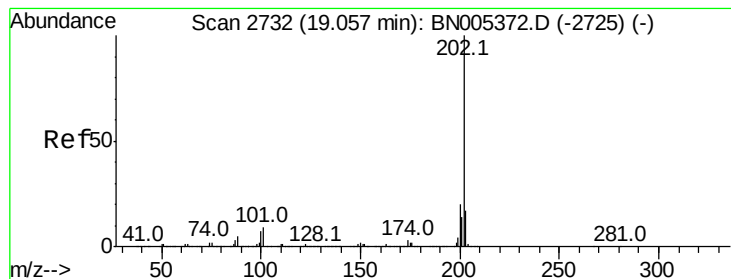
166 22.9 17.2 25.8

139 13.6 10.6 16.0



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#76

Fluoranthene

Concen: 31.309 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. -0.01 min

Lab File: BN005385.D

Acq: 30 Apr 2019 23:07

Instrument :

BNA_N

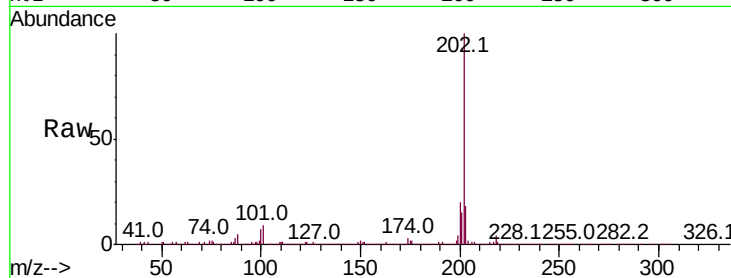
ClientSampleId :

GAHX5ME

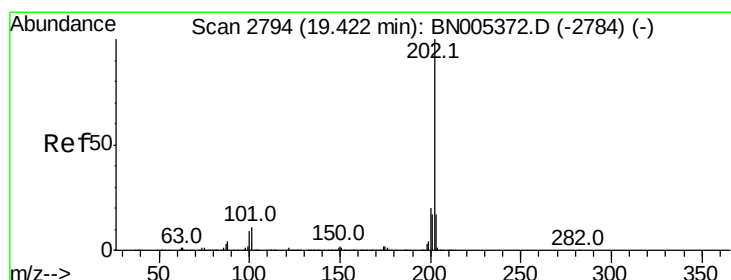
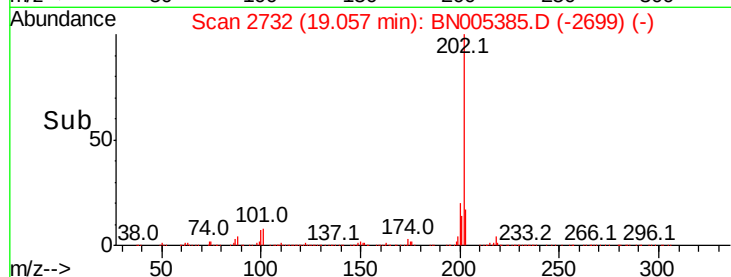
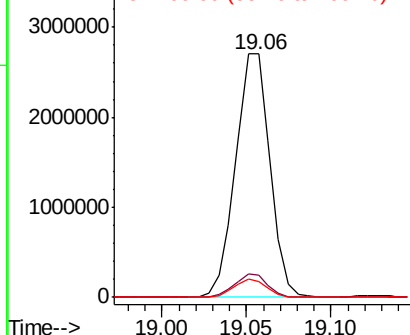
Tot Ion:	202	Resp:	3829302
Ion	Ratio	Lower	Upper
202	100		
101	8.9	8.6	12.8
100	6.7	6.3	9.5

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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): B



#79

Pyrene

Concen: 23.762 ng/ul

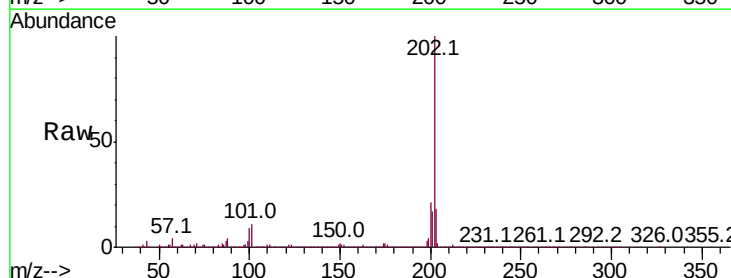
RT: 19.42 min Scan# 2794

Delta R.T. -0.01 min

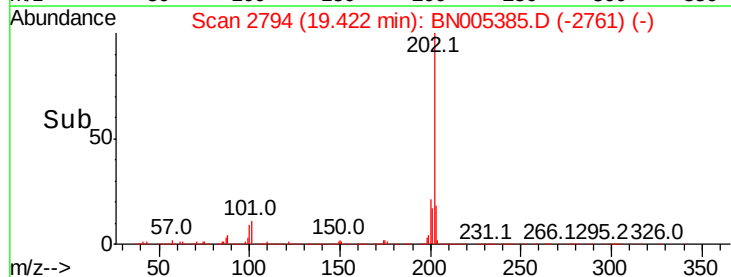
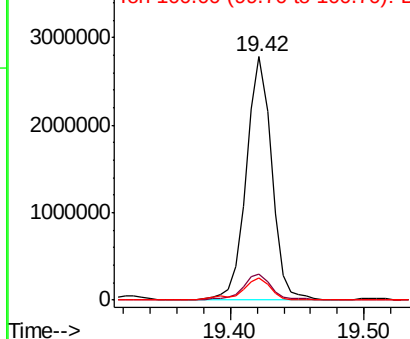
Lab File: BN005385.D

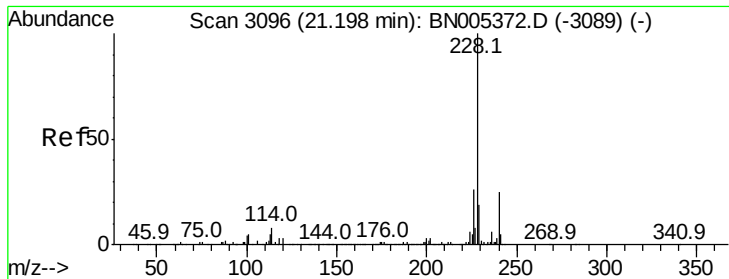
Acq: 30 Apr 2019 23:07

Tgt Ion:	202	Resp:	3613249
Ion	Ratio	Lower	Upper
202	100		
101	10.8	10.3	15.5
100	8.9	7.9	11.9



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: 11.972 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. -0.02 min

Lab File: BN005385.D

Acq: 30 Apr 2019 23:07

Instrument :

BNA_N

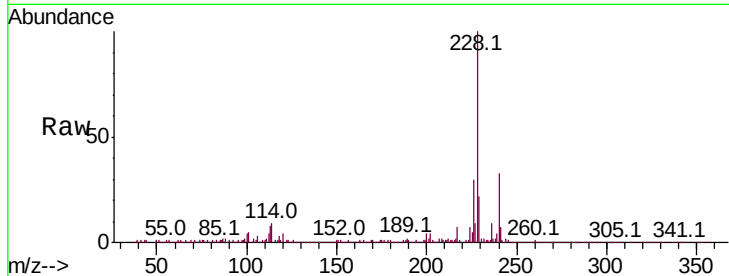
ClientSampleId :

GAHX5ME

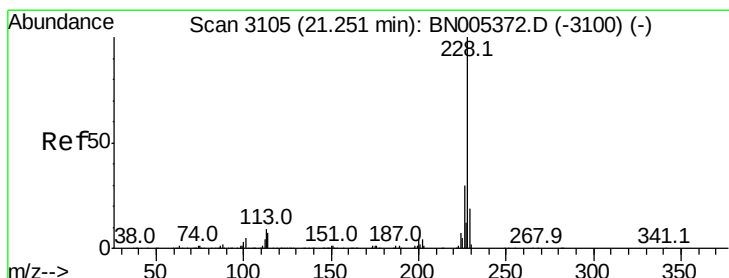
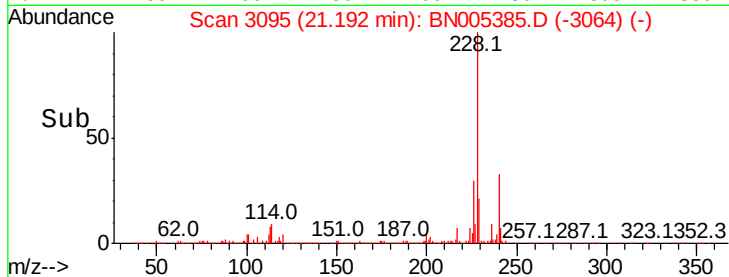
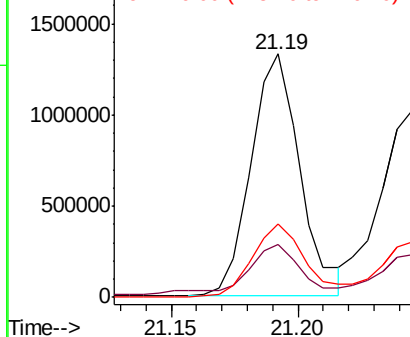
Tot Ion:	228	Resp:	1759021
Ion	Ratio	Lower	Upper
228	100		
229	21.5	15.8	23.6
226	29.9	21.4	32.2

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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: 10.404 ng/ul

RT: 21.25 min Scan# 3104

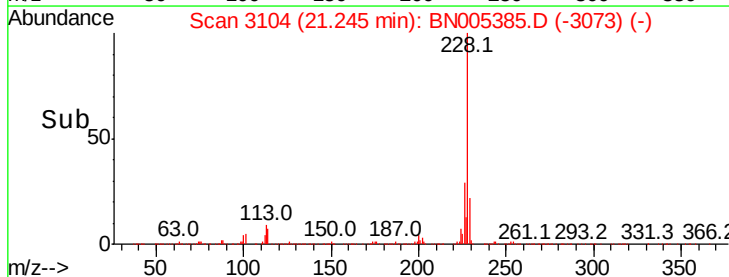
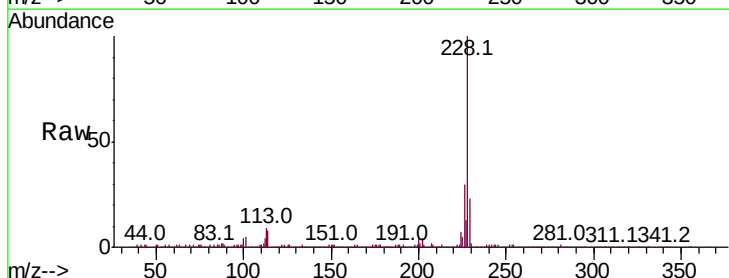
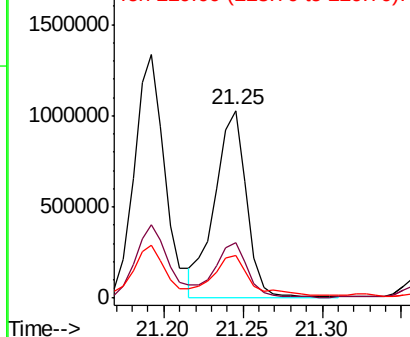
Delta R.T. -0.02 min

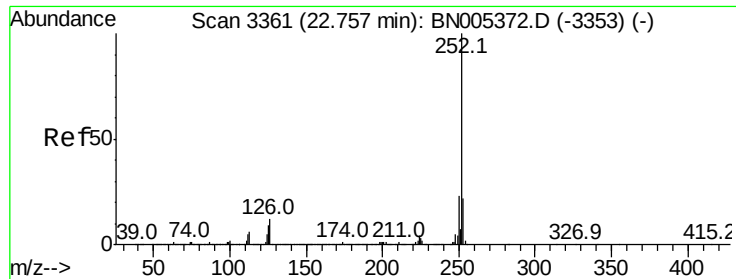
Lab File: BN005385.D

Acq: 30 Apr 2019 23:07

Tgt Ion:	228	Resp:	1418683
Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.0	36.0
229	22.6	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: 8.674 ng/ul

RT: 22.75 min Scan# 3360

Delta R.T. -0.03 min

Lab File: BN005385.D

Acq: 30 Apr 2019 23:07

Instrument :

BNA_N

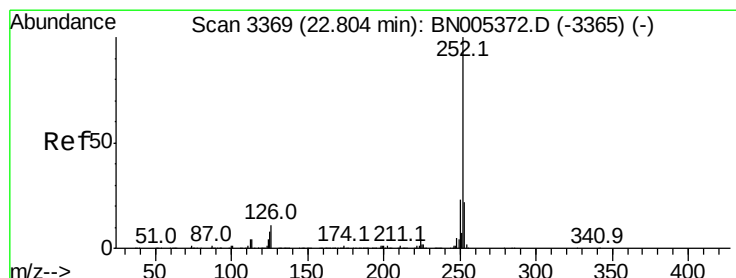
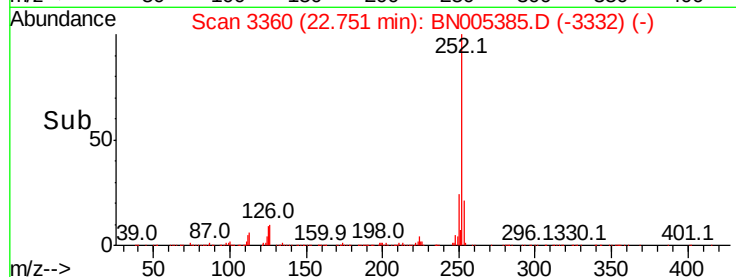
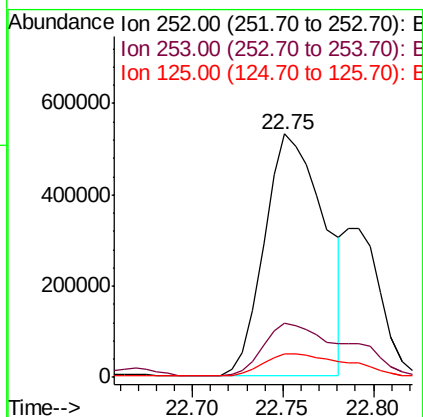
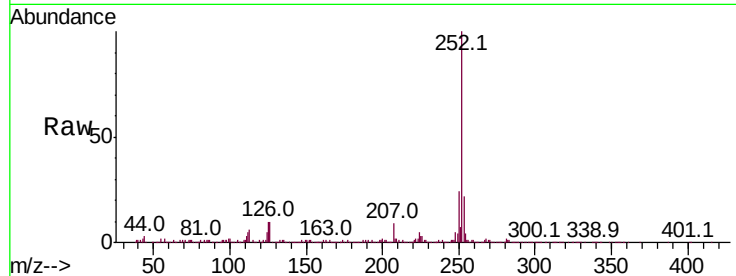
ClientSampleId :

GAHX5ME

Tot Ion:	252	Resp:	1220901
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.7	26.5
125	9.6	8.4	12.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.399 ng/ul m

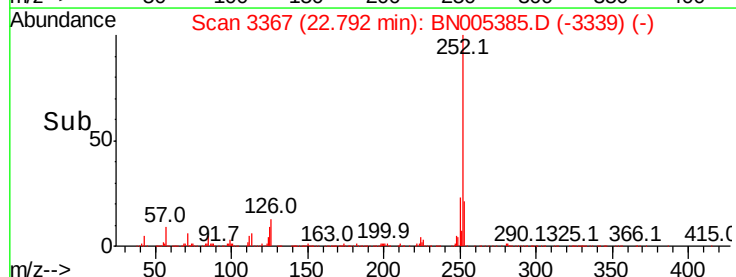
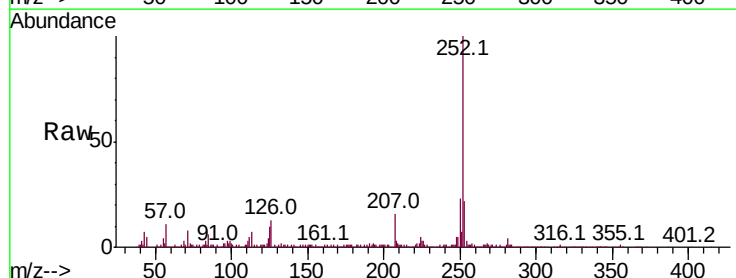
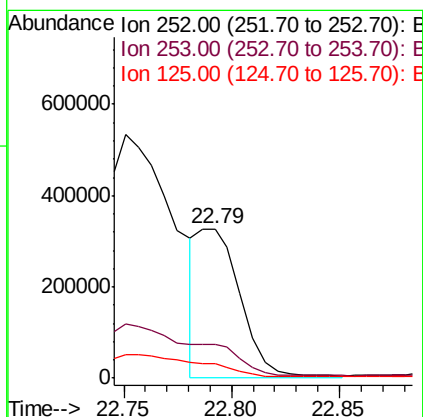
RT: 22.79 min Scan# 3367

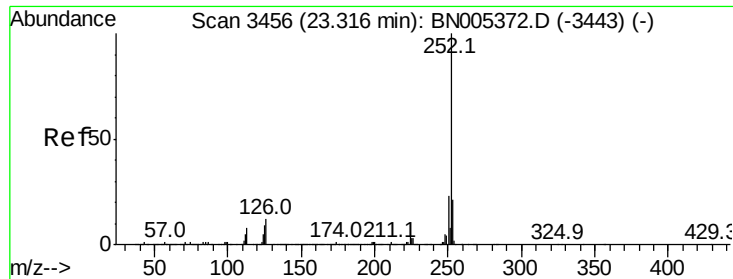
Delta R.T. -0.03 min

Lab File: BN005385.D

Acq: 30 Apr 2019 23:07

Tgt Ion:	252	Resp:	456959
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.4	26.0
125	9.7	7.5	11.3





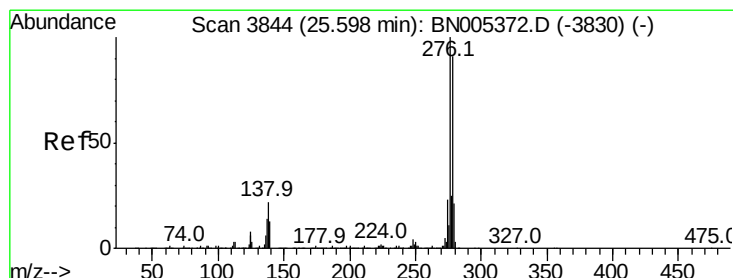
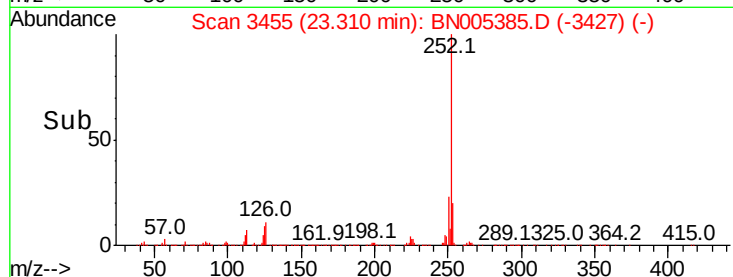
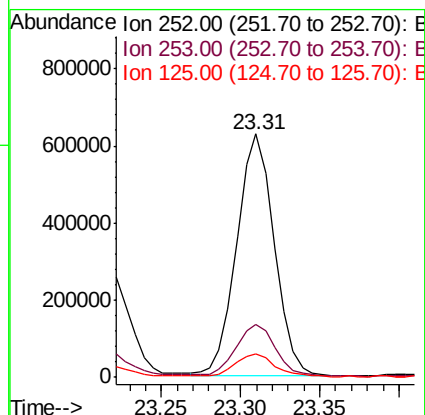
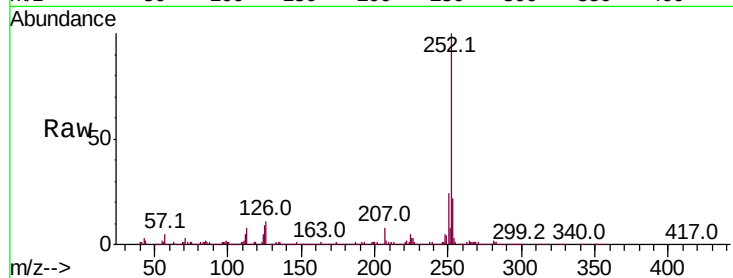
#90
Benzo(a)pyrene
Concen: 7.787 ng/ul
RT: 23.31 min Scan# 3455
Delta R.T. -0.03 min
Lab File: BN005385.D
Acq: 30 Apr 2019 23:07

Instrument :
BNA_N
ClientSampleId :
GAHX5ME

Tot Ion:	252	Resp:	1030231
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.3	25.9
125	9.5	8.6	13.0

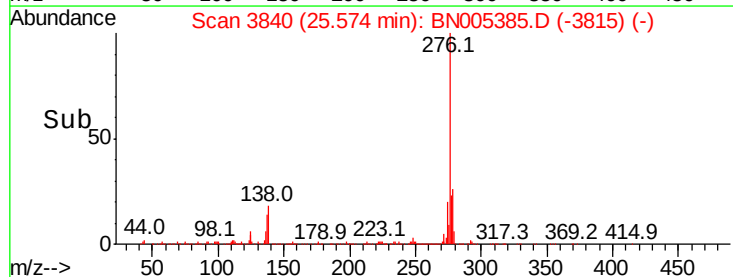
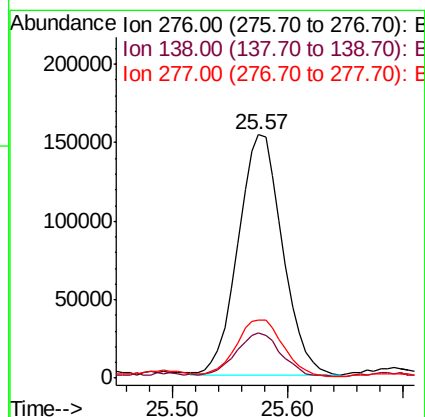
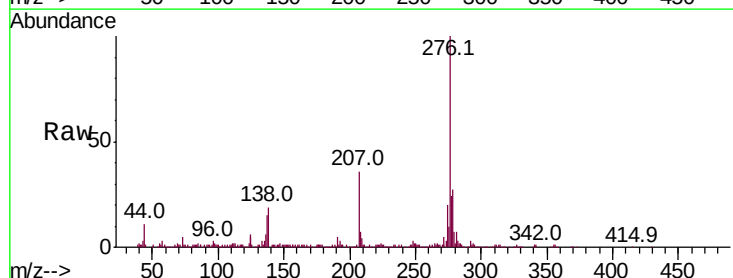
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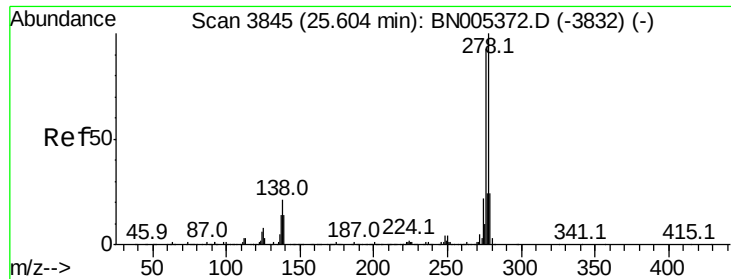
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#91
Indeno(1,2,3-cd)pyrene
Concen: 2.783 ng/ul
RT: 25.57 min Scan# 3840
Delta R.T. -0.05 min
Lab File: BN005385.D
Acq: 30 Apr 2019 23:07

Tgt Ion:	276	Resp:	407121
Ion Ratio	Lower	Upper	
276	100		
138	18.7	17.9	26.9
277	24.0	19.7	29.5





#92

Dibenzo(a,h)anthracene

Concen: 1.048 ng/ul

RT: 25.57 min Scan# 3840

Delta R.T. -0.06 min

Lab File: BN005385.D

Acq: 30 Apr 2019 23:07

Instrument :

BNA_N

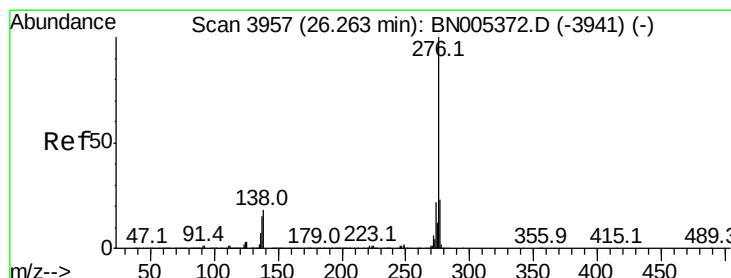
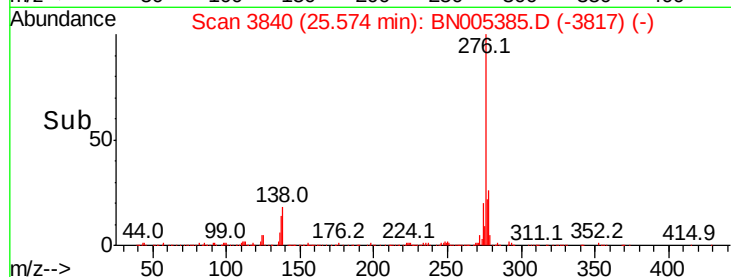
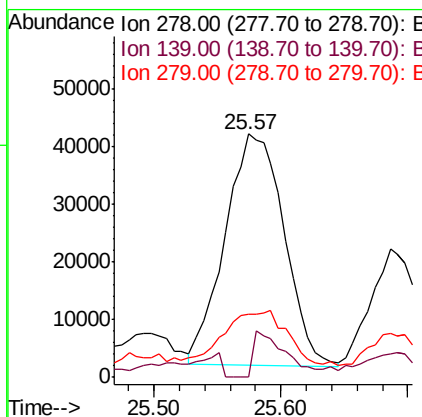
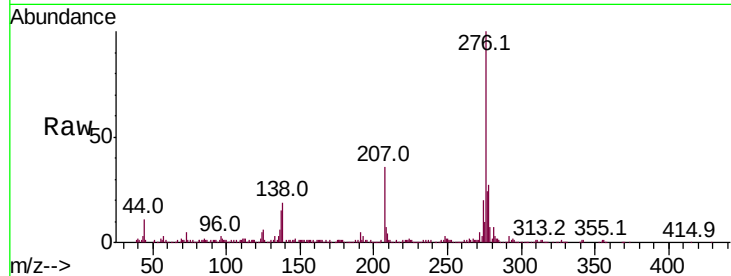
ClientSampled :

GAHX5ME

Tot Ion:	278	Resp:	130116
Ion Ratio	Lower	Upper	
278	100		
139	0.0	13.1	19.7#
279	26.1	19.4	29.0

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#93

Benzo(g,h,i)perylene

Concen: 2.098 ng/ul

RT: 26.24 min Scan# 3953

Delta R.T. -0.05 min

Lab File: BN005385.D

Acq: 30 Apr 2019 23:07

Tgt Ion:	276	Resp:	253735
Ion Ratio	Lower	Upper	
276	100		
138	18.9	16.7	25.1
277	22.5	18.2	27.2

