

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
 Data File : BM020419.D
 Acq On : 19 May 2019 03:30
 Operator : JU/SJ
 Sample : K2633-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJA2

Manual Integrations
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 5/20/2019 2:48:37 PM

Quant Time: May 21 10:18:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat May 18 05:13:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	124562	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	478099	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.39	164	266741	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.14	188	531761	20.00	ng/ul	0.01
77) Chrysene-d12	21.34	240	417501	20.00	ng/ul	0.02
85) Perylene-d12	23.62	264	511149	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	14726	4.36	ng/uL	0.00
5) Phenol-d5	6.90	99	279390	28.12	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.07	67	177335	28.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	210991	28.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	212150	29.32	ng/ul	0.01
19) Nitrobenzene-d5	8.91	128	102914	33.08	ng/ul	0.01
22) 2-Nitrophenol-d4	9.62	143	112496	32.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.16	165	217862	30.03	ng/ul	0.01
29) 4-Chloroaniline-d4	10.68	131	180995	24.16	ng/ul	0.01
43) Dimethylphthalate-d6	13.80	166	650001	33.87	ng/ul	0.01
46) Acenaphthylene-d8	14.09	160	779753	32.48	ng/ul	0.01
51) 4-Nitrophenol-d4	14.61	143	61788m	22.17	ng/ul	0.01
57) Fluorene-d10	15.39	176	527023	30.88	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.53	200	36524	12.06	ng/ul	0.02
70) Anthracene-d10	17.24	188	738070	32.36	ng/ul	0.01
78) Pyrene-d10	19.54	212	724105	36.01	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.47	264	740883	31.90	ng/ul	0.03

Target Compounds

					Ovalue	
6) Phenol	6.93	94	50125	4.795	ng/ul	98
28) Naphthalene	10.58	128	159554	7.264	ng/ul	99
34) 2-Methylnaphthalene	12.20	142	106021	6.666	ng/ul	97
40) 1,1'-Biphenyl	13.22	154	35710	1.870	ng/ul	97
44) Dimethylphthalate	13.85	163	184766	9.732	ng/ul#	98
47) Acenaphthylene	14.12	152	381196	16.839	ng/ul	98
58) Fluorene	15.45	166	90351	4.786	ng/ul	99
69) Phenanthrene	17.19	178	413959	16.338	ng/ul	99
71) Anthracene	17.28	178	230572	8.946	ng/ul	98
76) Fluoranthene	19.21	202	644168	20.127	ng/ul	99
79) Pyrene	19.57	202	1484150	59.226	ng/ul	98
82) Benzo(a)anthracene	21.32	228	568866m	22.638	ng/ul	
84) Chrysene	21.37	228	558435	23.254	ng/ul	95
87) Benzo(b)fluoranthene	22.93	252	879798	30.158	ng/ul	97
88) Benzo(k)fluoranthene	22.97	252	233754m	8.158	ng/ul	
90) Benzo(a)pyrene	23.52	252	968554	35.279	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.94	276	520658	16.644	ng/ul#	96
92) Dibenzo(a,h)anthracene	25.94	278	135747	5.074	ng/ul#	93
93) Benzo(g,h,i)perylene	26.66	276	484922	18.726	ng/ul	97

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

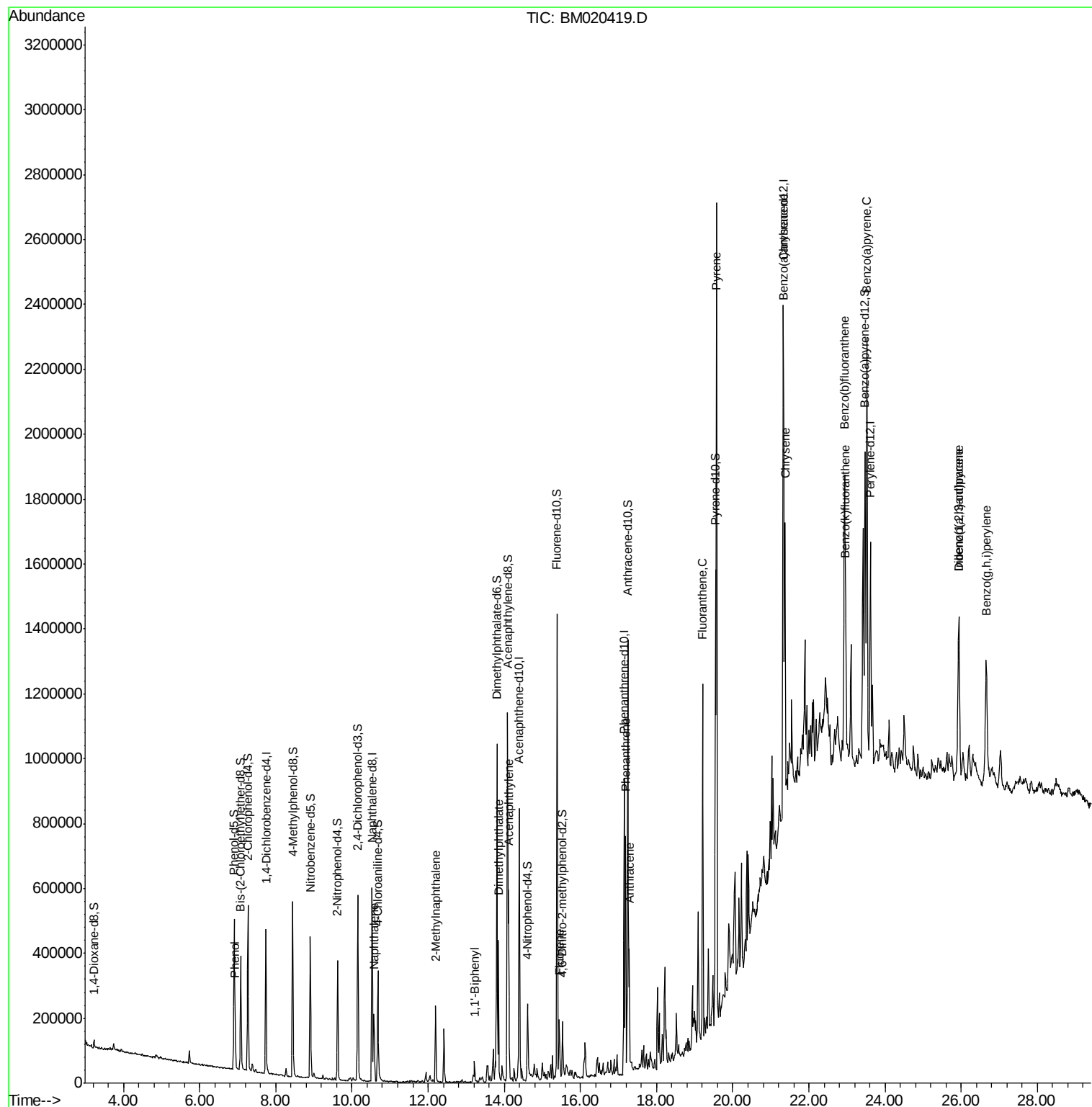
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020419.D
Acq On : 19 May 2019 03:30
Operator : JU/SJ
Sample : K2633-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

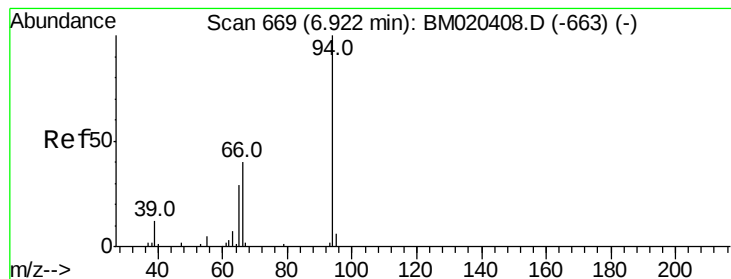
Instrument :
BNA_M
ClientSampleId :
GAJA2

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Quant Time: May 21 10:18:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration





#6

Phenol

Concen: 4.795 ng/ul

RT: 6.93 min Scan# 671

Delta R.T. 0.01 min

Lab File: BM020419.D

Acq: 19 May 2019 03:30

Instrument :

BNA_M

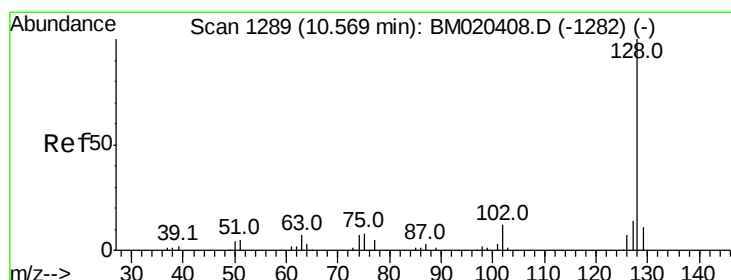
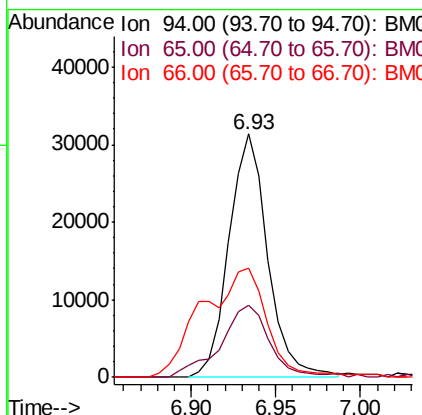
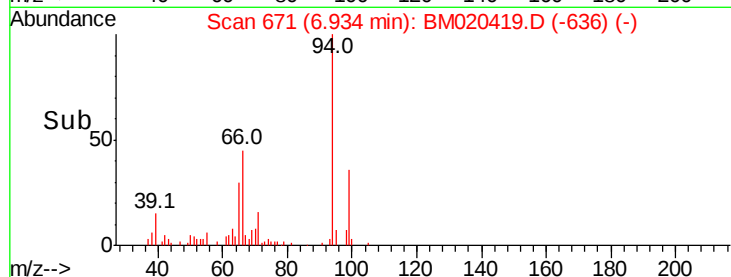
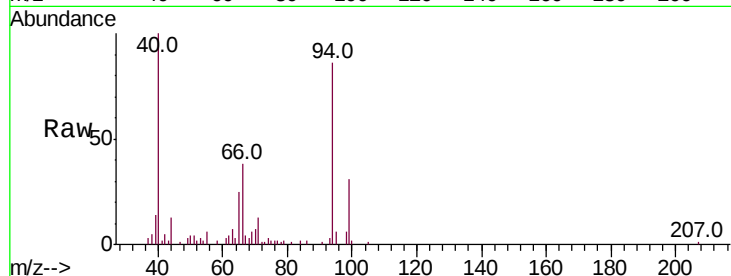
ClientSampleId :

GAJA2

Tot Ion:	94	Resp:	50125
Ion Ratio	Lower	Upper	
94	100		
65	29.7	25.4	38.0
66	44.6	36.5	54.7

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#28

Naphthalene

Concen: 7.264 ng/ul

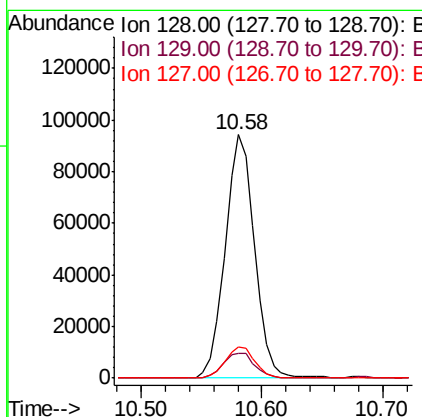
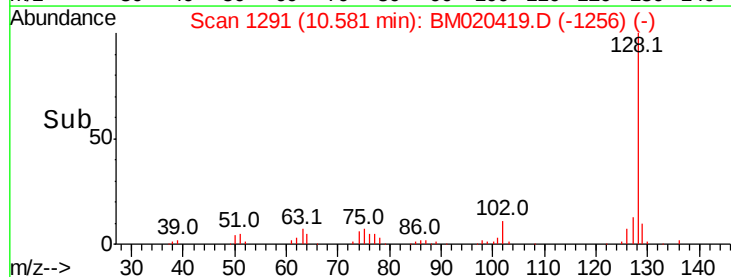
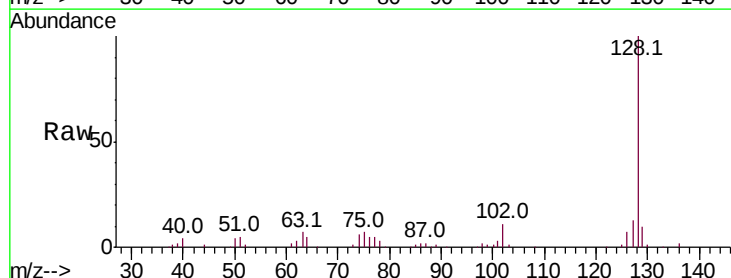
RT: 10.58 min Scan# 1291

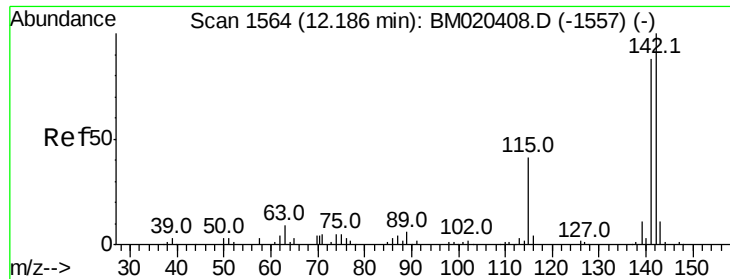
Delta R.T. 0.01 min

Lab File: BM020419.D

Acq: 19 May 2019 03:30

Tgt Ion:	128	Resp:	159554
Ion Ratio	Lower	Upper	
128	100		
129	10.4	8.6	13.0
127	12.6	10.6	15.8





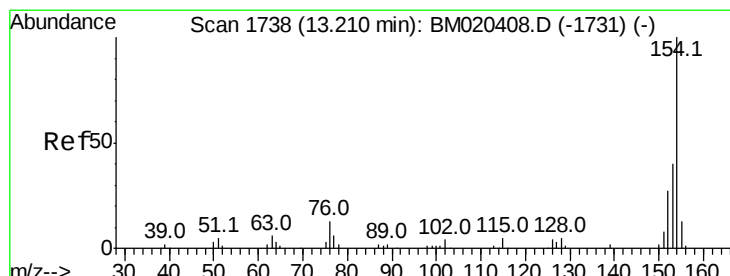
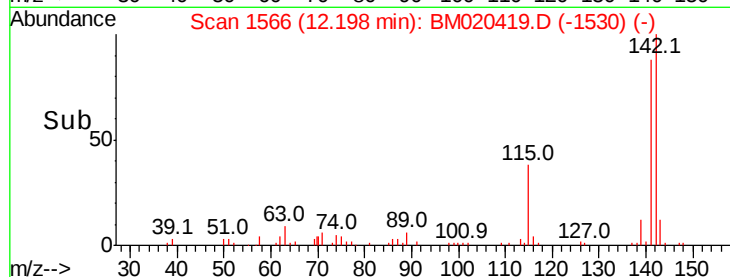
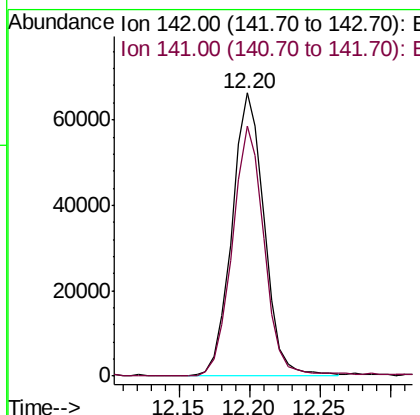
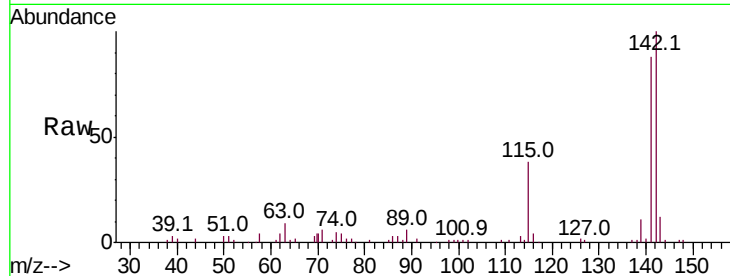
#34
 2-Methylnaphthalene
 Concen: 6.666 ng/ul
 RT: 12.20 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: BM020419.D
 Acq: 19 May 2019 03:30

Instrument :
 BNA_M
 ClientSampleId :
 GAJA2

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.4	68.6	102.8

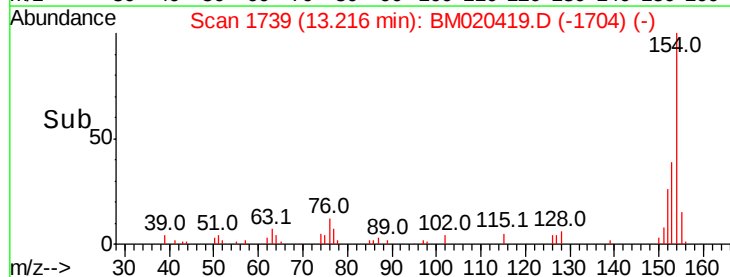
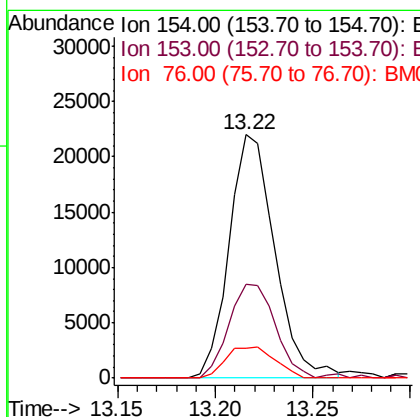
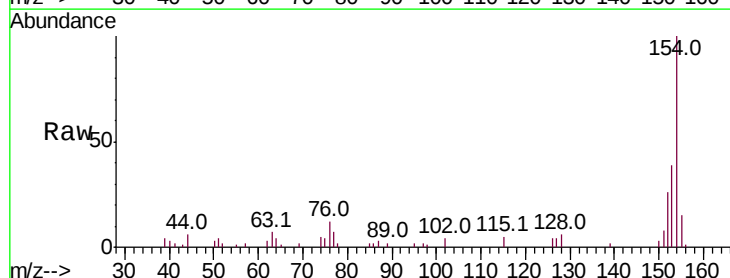
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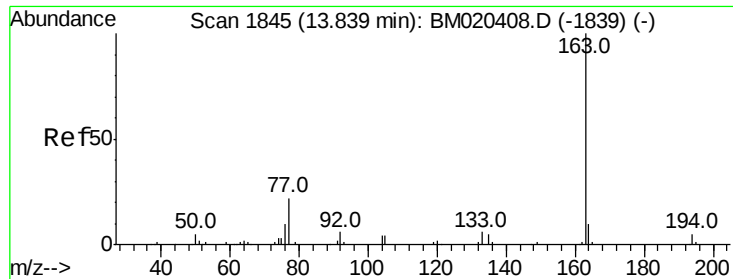
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#40
 1,1'-Biphenyl
 Concen: 1.870 ng/ul
 RT: 13.22 min Scan# 1739
 Delta R.T. 0.01 min
 Lab File: BM020419.D
 Acq: 19 May 2019 03:30

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.8	32.2	48.4
76	12.0	11.0	16.4





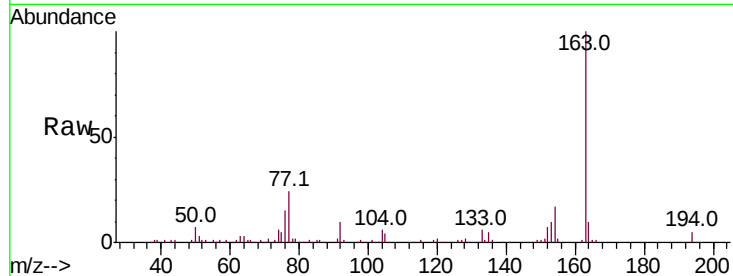
#44
Dimethylphthalate
Concen: 9.732 ng/ul
RT: 13.85 min Scan# 1847
Delta R.T. 0.01 min
Lab File: BM020419.D
Acq: 19 May 2019 03:30

Instrument :
BNA_M
ClientSampleId :
GAJA2

Tot Ion	Ratio	Resp	Lower	Upper
163	100	184766		
194	5.2	3.3	4.9#	
164	9.6	8.0	12.0	

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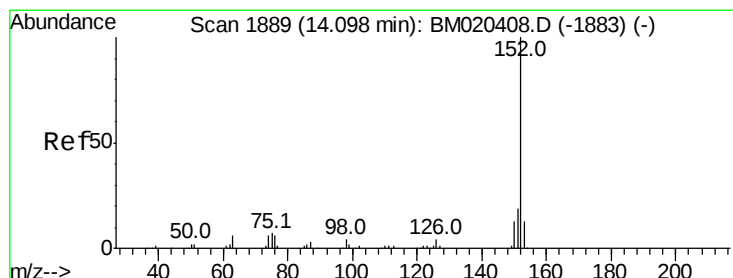
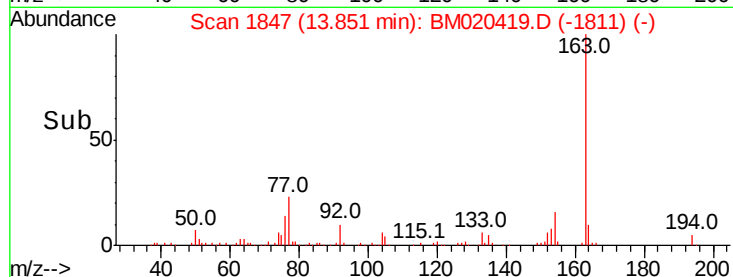
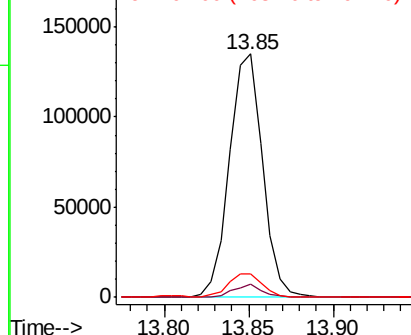


Abundance

Ion 163.00 (162.70 to 163.70): E

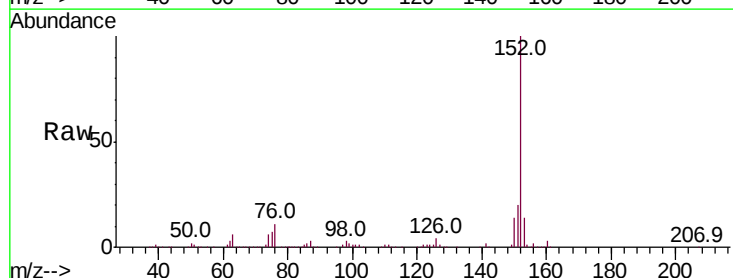
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#47
Acenaphthylene
Concen: 16.839 ng/ul
RT: 14.12 min Scan# 1892
Delta R.T. 0.01 min
Lab File: BM020419.D
Acq: 19 May 2019 03:30

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	381196		
151	20.1	15.4	23.0	
153	13.7	10.3	15.5	

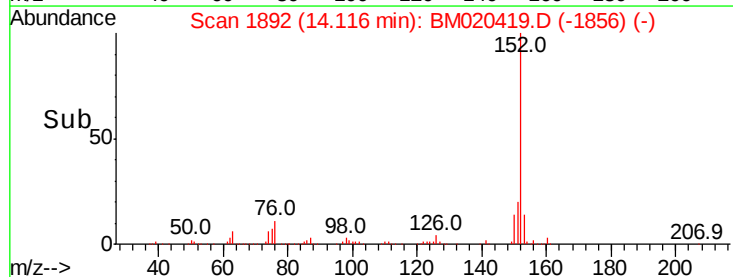
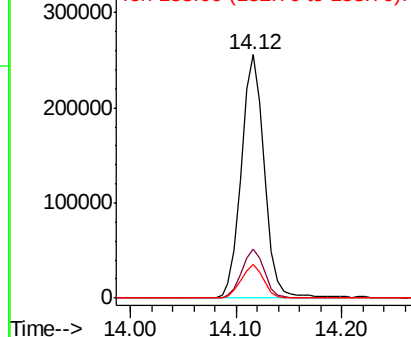


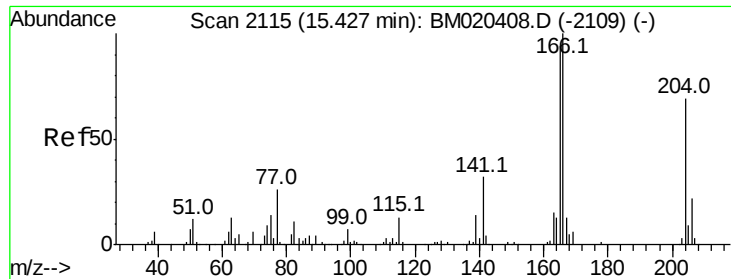
Abundance

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: 4.786 ng/ul

RT: 15.45 min Scan# 2118

Delta R.T. 0.01 min

Lab File: BM020419.D

Acq: 19 May 2019 03:30

Instrument :

BNA_M

ClientSampleId :

GAJA2

Tot Ion:166 Resp: 90351

Ion Ratio Lower Upper

166 100

165 97.0 77.1 115.7

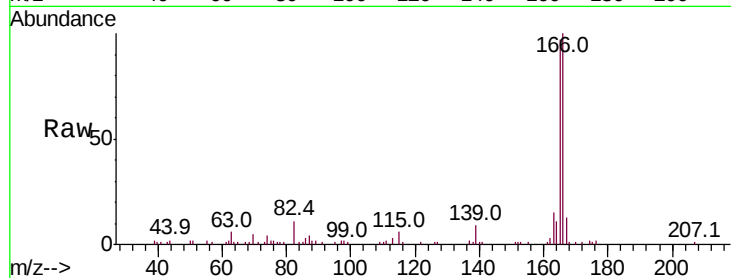
167 13.3 11.1 16.7

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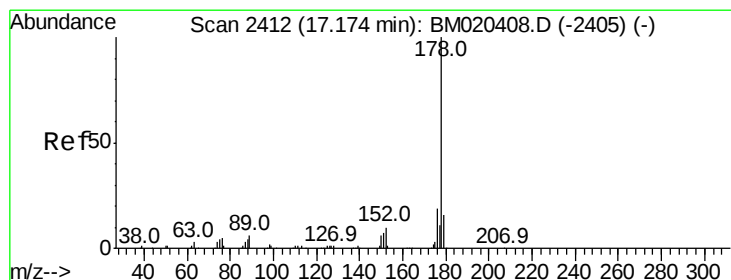
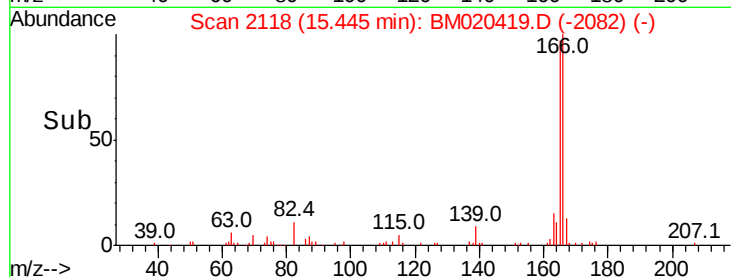
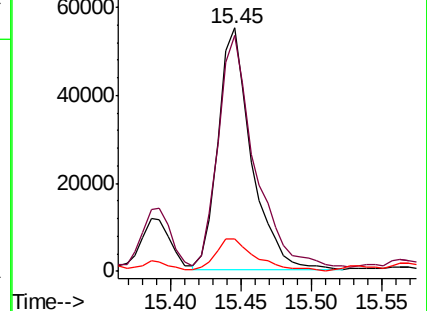
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 16.338 ng/ul

RT: 17.19 min Scan# 2414

Delta R.T. 0.01 min

Lab File: BM020419.D

Acq: 19 May 2019 03:30

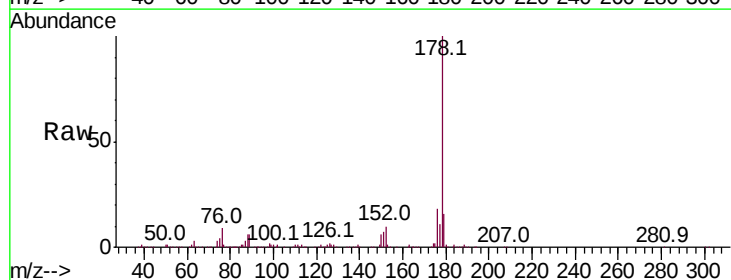
Tgt Ion:178 Resp: 413959

Ion Ratio Lower Upper

178 100

179 15.6 11.9 17.9

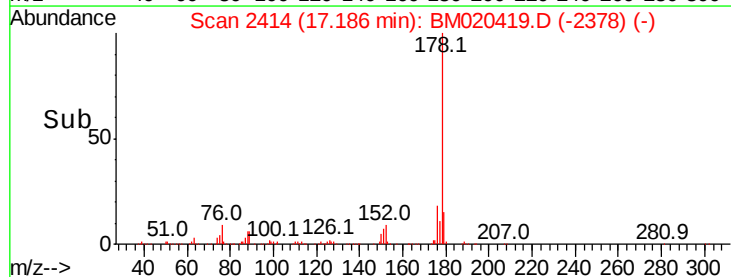
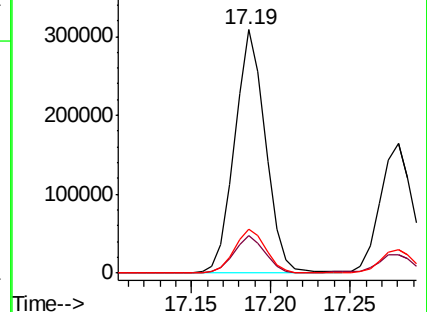
176 18.2 14.6 22.0

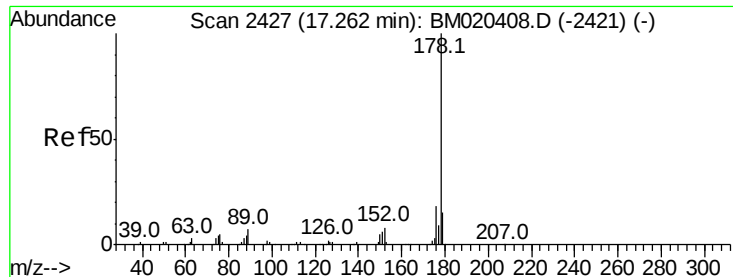


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





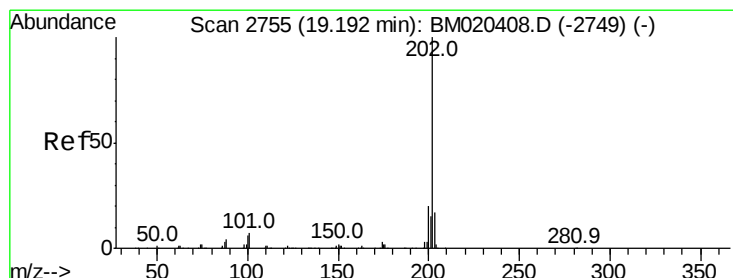
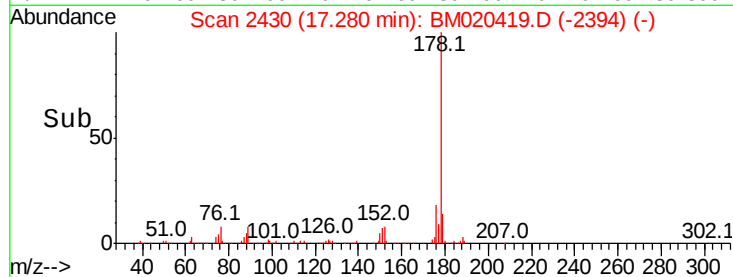
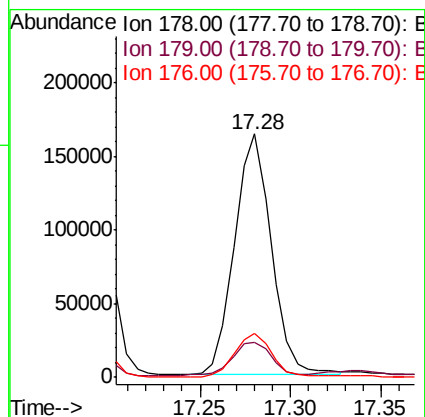
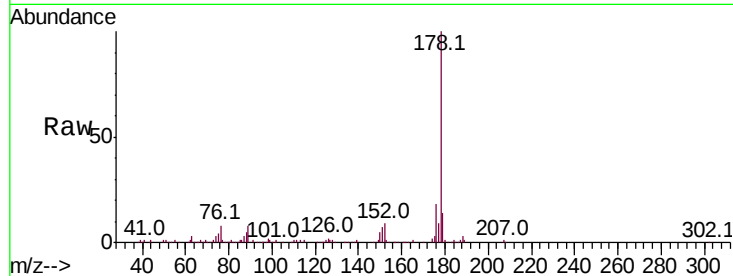
#71
 Anthracene
 Concen: 8.946 ng/ul
 RT: 17.28 min Scan# 2430
 Delta R.T. 0.01 min
 Lab File: BM020419.D
 Acq: 19 May 2019 03:30

Instrument :
 BNA_M
 ClientSampleId :
 GAJA2

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.3	12.4	18.6
176	18.2	14.4	21.6

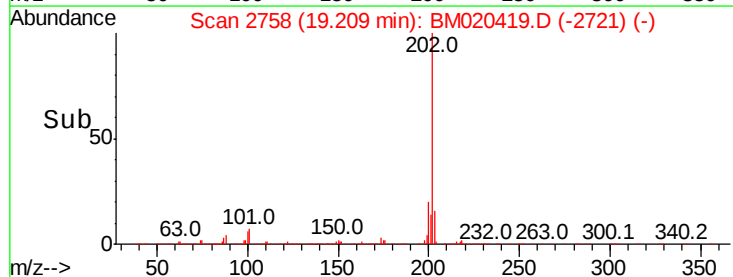
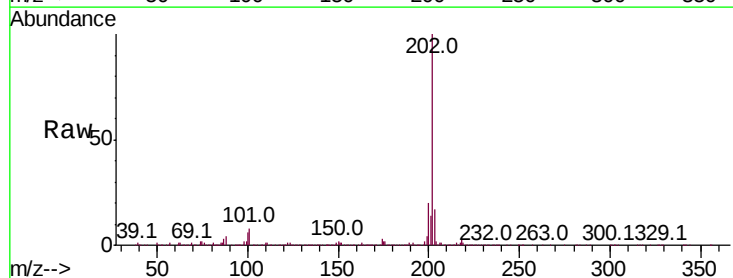
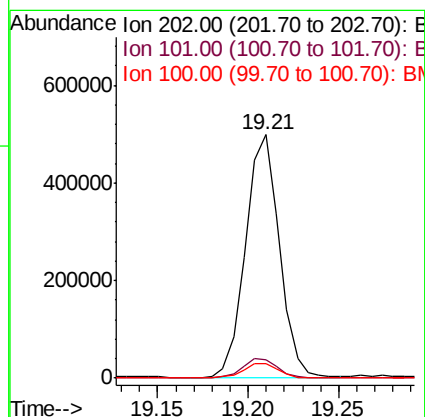
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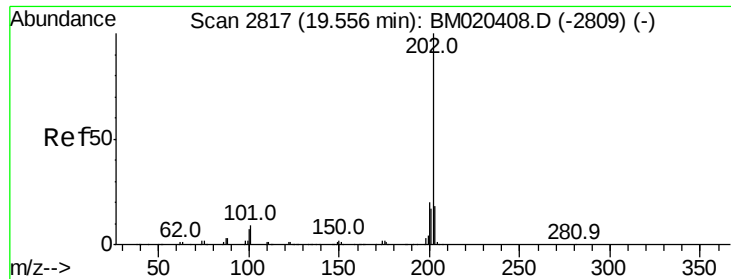
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#76
 Fluoranthene
 Concen: 20.127 ng/ul
 RT: 19.21 min Scan# 2758
 Delta R.T. 0.02 min
 Lab File: BM020419.D
 Acq: 19 May 2019 03:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.6	6.4	9.6
100	6.0	5.2	7.8





#79

Pvrene

Concen: 59.226 ng/ul

RT: 19.57 min Scan# 2820

Delta R.T. 0.02 min

Lab File: BM020419.D

Acq: 19 May 2019 03:30

Instrument :

BNA_M

ClientSampleId :

GAJA2

Tot Ion:202 Resp: 1484150

Ion Ratio Lower Upper

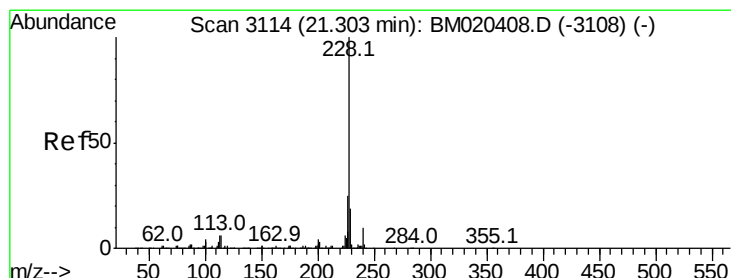
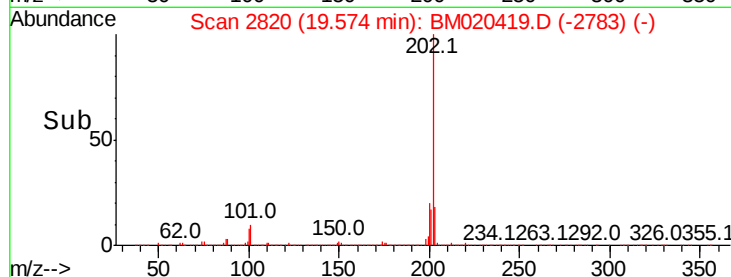
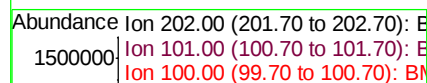
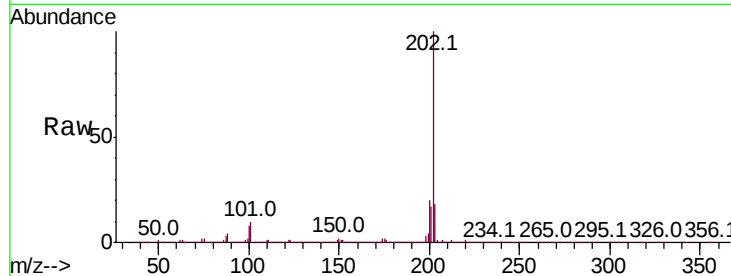
202 100

101 9.7 7.1 10.7

100 8.2 5.9 8.9

Manual Integrations
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#82

Benzo(a)anthracene

Concen: 22.638 ng/ul m

RT: 21.32 min Scan# 3117

Delta R.T. 0.02 min

Lab File: BM020419.D

Acq: 19 May 2019 03:30

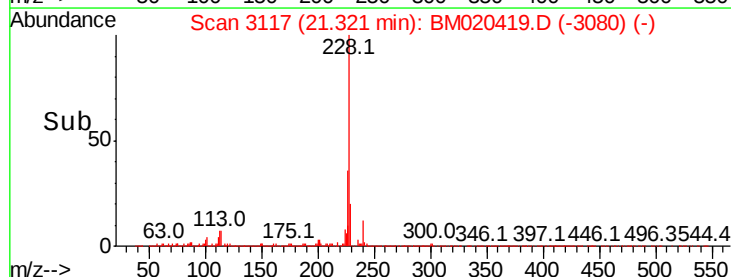
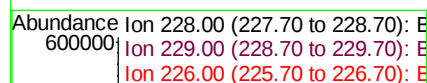
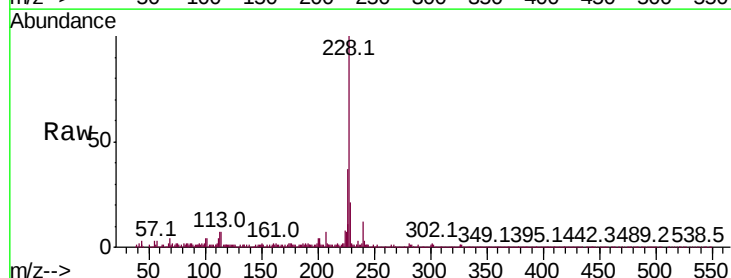
Tgt Ion:228 Resp: 568866

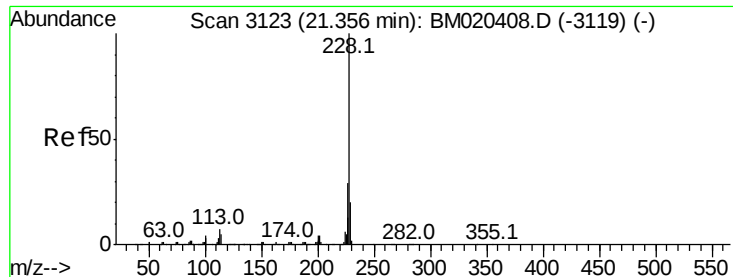
Ion Ratio Lower Upper

228 100

229 20.8 15.8 23.8

226 36.9 20.6 30.8#





#84

Chrysene

Concen: 23.254 ng/ul

RT: 21.37 min Scan# 3126

Delta R.T. 0.02 min

Lab File: BM020419.D

Acq: 19 May 2019 03:30

Instrument :

BNA_M

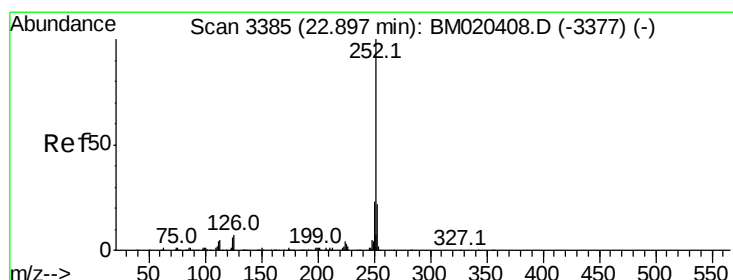
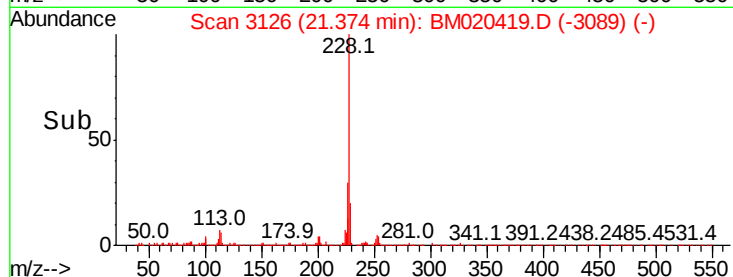
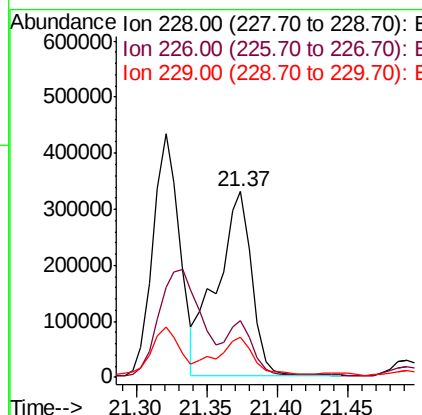
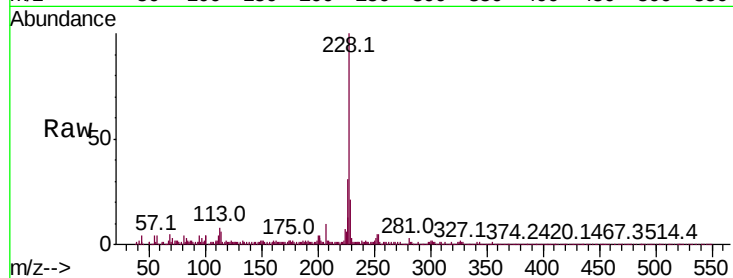
ClientSampleId :

GAJA2

Tot Ion:	228	Resp:	558435
Ion Ratio	Lower	Upper	
228	100		
226	30.5	22.2	33.4
229	21.4	15.4	23.2

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#87

Benzo(b)fluoranthene

Concen: 30.158 ng/ul

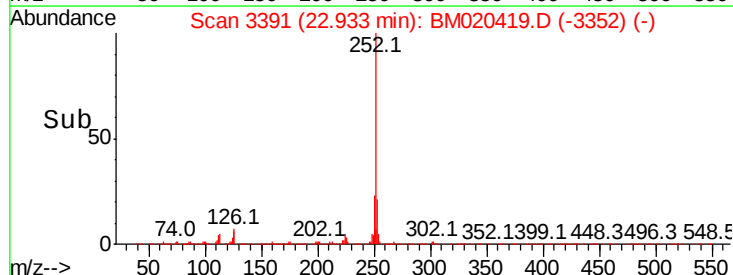
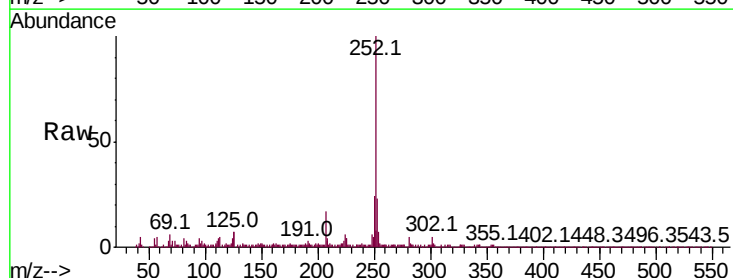
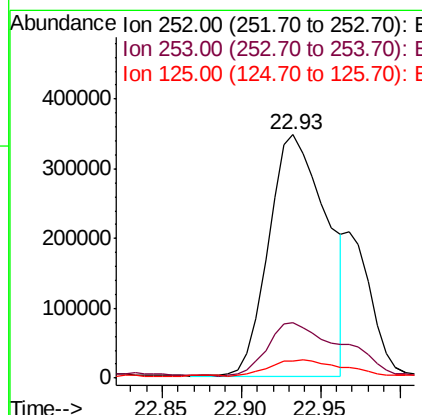
RT: 22.93 min Scan# 3391

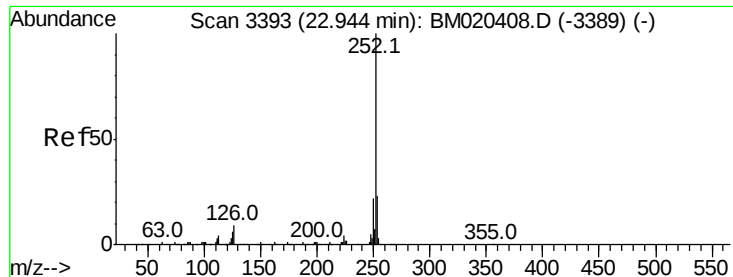
Delta R.T. 0.03 min

Lab File: BM020419.D

Acq: 19 May 2019 03:30

Tgt Ion:	252	Resp:	879798
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.0	25.6
125	7.0	5.0	7.4





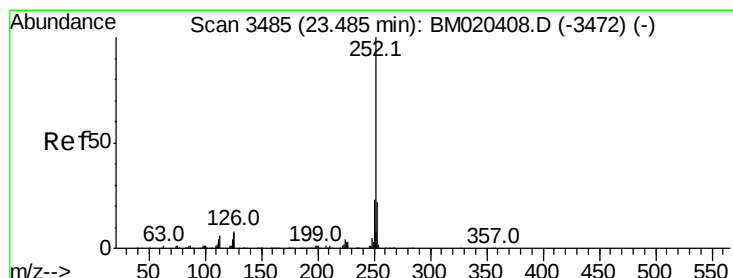
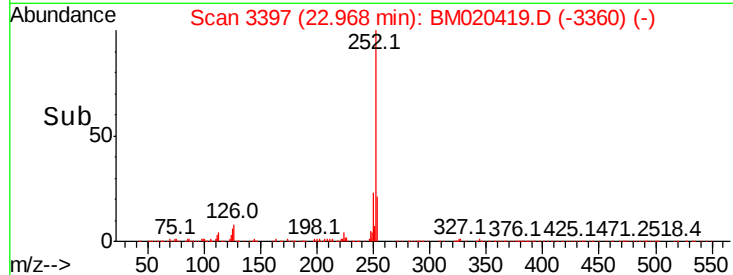
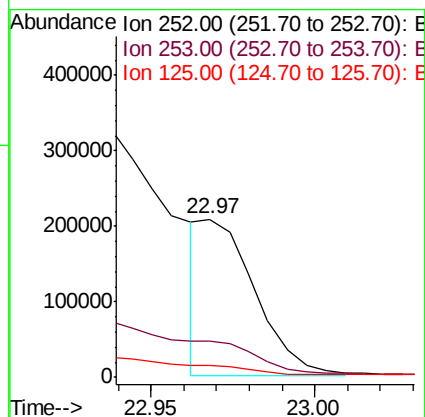
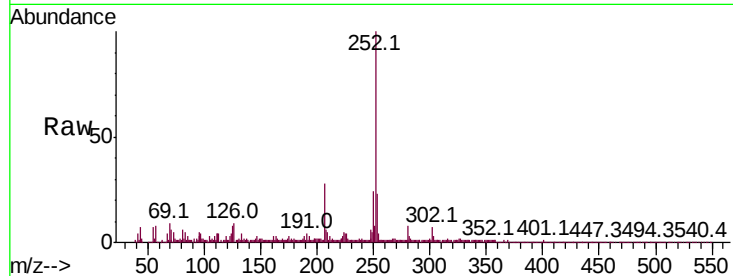
#88
Benzo(k)fluoranthene
Concen: 8.158 ng/ul m
RT: 22.97 min Scan# 3397
Delta R.T. 0.02 min
Lab File: BM020419.D
Acq: 19 May 2019 03:30

Instrument :
BNA_M
ClientSampleId :
GAJA2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	7.6	5.0	7.6#

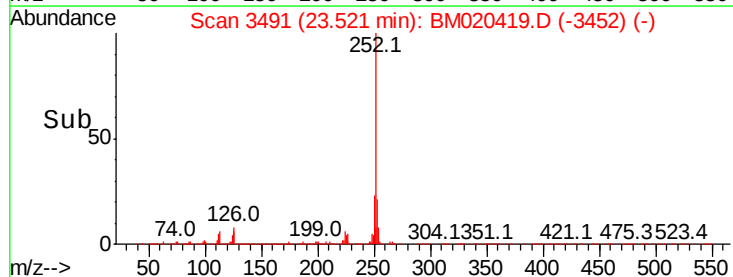
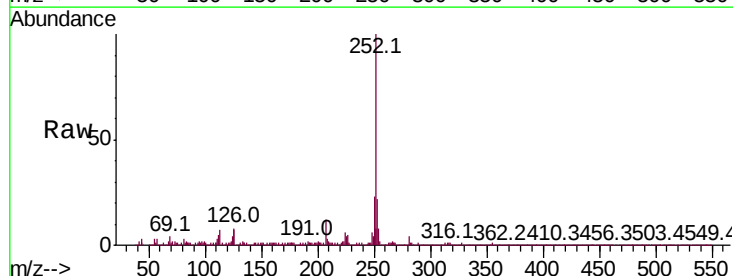
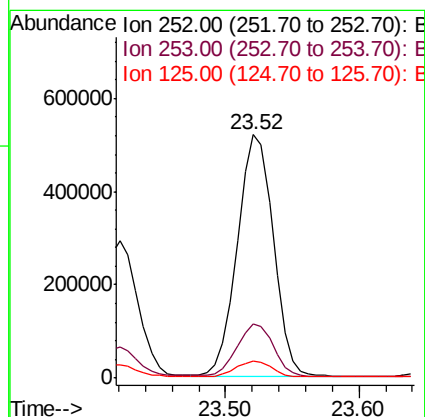
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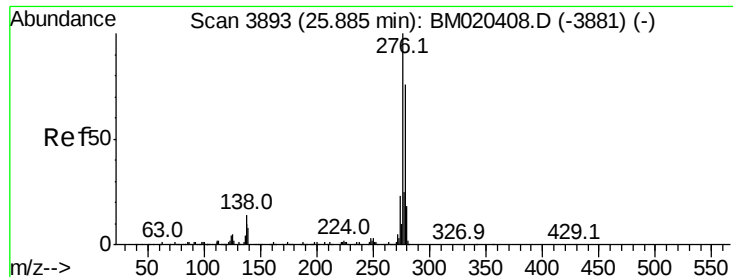
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#90
Benzo(a)pyrene
Concen: 35.279 ng/ul
RT: 23.52 min Scan# 3491
Delta R.T. 0.03 min
Lab File: BM020419.D
Acq: 19 May 2019 03:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	7.0	5.4	8.2





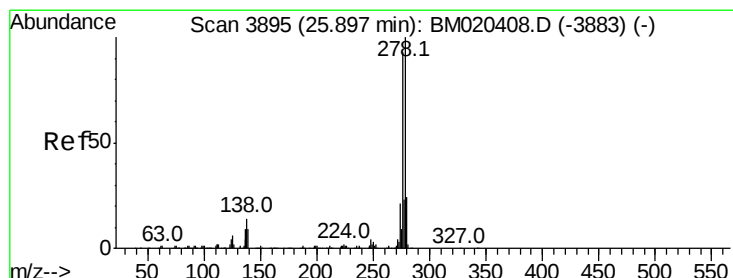
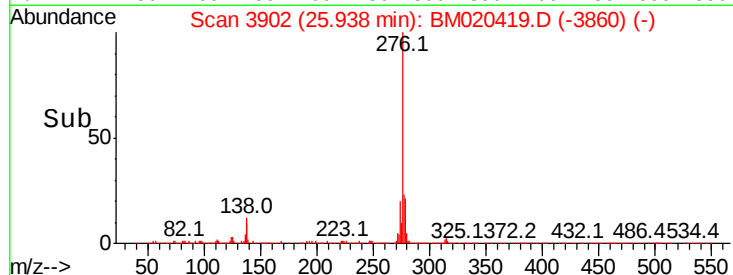
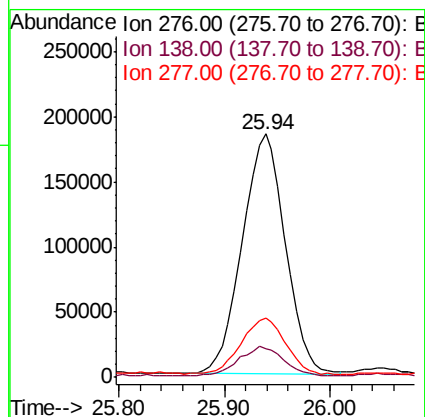
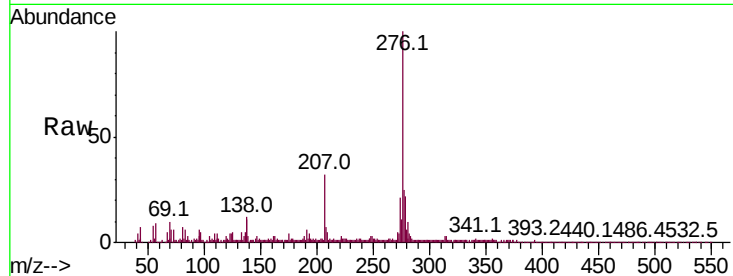
#91
Indeno(1,2,3-cd)pyrene
Concen: 16.644 ng/ul
RT: 25.94 min Scan# 3902
Delta R.T. 0.05 min
Lab File: BM020419.D
Acq: 19 May 2019 03:30

Instrument :
BNA_M
ClientSampleId :
GAJA2

Tot Ion	Ratio	Lower	Upper
276	100		
138	11.8	12.3	18.5#
277	24.6	20.0	30.0

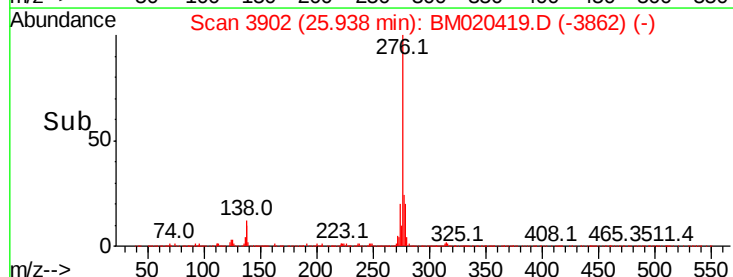
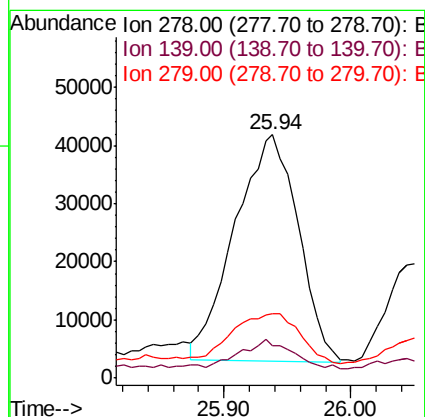
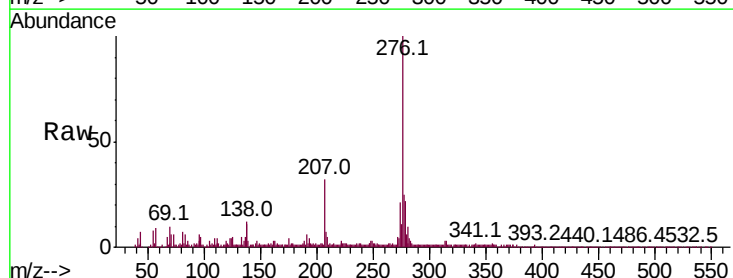
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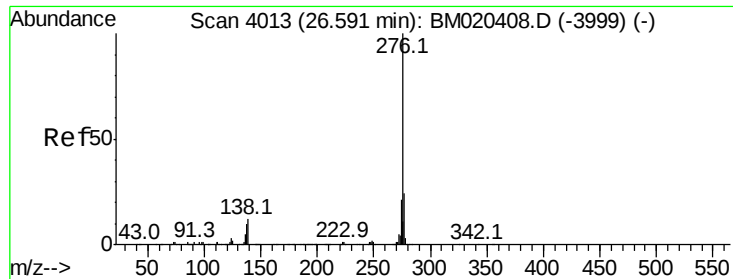
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#92
Dibenzo(a,h)anthracene
Concen: 5.074 ng/ul
RT: 25.94 min Scan# 3902
Delta R.T. 0.04 min
Lab File: BM020419.D
Acq: 19 May 2019 03:30

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.2	8.1	12.1#
279	26.6	18.7	28.1





#93

Benzo(a,h,i)perylene

Concen: 18.726 ng/ul

RT: 26.66 min Scan# 4024

Delta R.T. 0.06 min

Lab File: BM020419.D

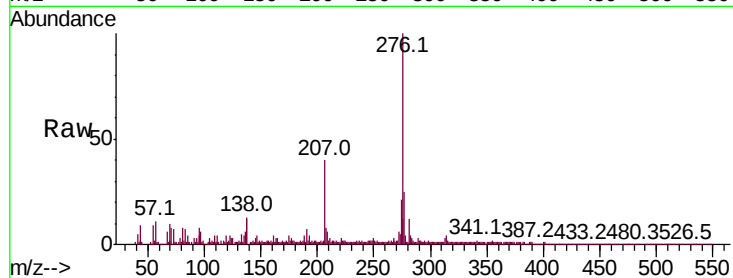
Acq: 19 May 2019 03:30

Instrument :

BNA_M

ClientSampleId :

GAJA2



Tot Ion:	276	Resp:	484922
Ion Ratio	Lower	Upper	
276	100		
138	12.6	10.0	15.0
277	24.7	18.2	27.4

Manual Integrations
APPROVED

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