

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
 Data File : BM020416.D
 Acq On : 19 May 2019 01:41
 Operator : JU/SJ
 Sample : K2633-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJA0

Manual Integrations
 APPROVED

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 5/20/2019 2:48:26 PM

Quant Time: May 21 10:16:59 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	118724	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	451915	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.40	164	242720	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.15	188	466625	20.00	ng/ul	0.02
77) Chrysene-d12	21.34	240	451359	20.00	ng/ul	0.02
85) Perylene-d12	23.49	264	677830	20.00	ng/ul	-0.11

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	11794	3.67	ng/uL	0.00
5) Phenol-d5	6.91	99	227509	24.02	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.08	67	145493	24.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	176857	25.46	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	174510	25.30	ng/ul	0.01
19) Nitrobenzene-d5	8.91	128	82194	27.95	ng/ul	0.01
22) 2-Nitrophenol-d4	9.63	143	90499	27.91	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.16	165	179657	26.20	ng/ul	0.01
29) 4-Chloroaniline-d4	10.69	131	98657	13.93	ng/ul	0.02
43) Dimethylphthalate-d6	13.80	166	507953	29.09	ng/ul	0.01
46) Acenaphthylene-d8	14.09	160	607252	27.80	ng/ul	0.02
51) 4-Nitrophenol-d4	14.62	143	41733	16.46	ng/ul	0.02
57) Fluorene-d10	15.39	176	402116	25.89	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.54	200	25240	9.50	ng/ul	0.03
70) Anthracene-d10	17.25	188	557089	27.83	ng/ul	0.02
78) Pyrene-d10	19.56	212	588601	27.07	ng/ul	0.03
89) Benzo(a)pyrene-d12	23.49	264	700262m	22.73	ng/ul	0.04

Target Compounds

					Ovalue
6) Phenol	6.93	94	16907	1.697	ng/ul 90
34) 2-Methylnaphthalene	12.20	142	138745	9.229	ng/ul 97
44) Dimethylphthalate	13.85	163	129377	7.489	ng/ul 99
47) Acenaphthylene	14.12	152	1463613	71.054	ng/ul 100
49) Acenaphthene	14.46	153	37717	2.663	ng/ul 95
58) Fluorene	15.47	166	150884m	8.783	ng/ul
69) Phenanthrene	17.19	178	356967	16.055	ng/ul 97
71) Anthracene	17.29	178	644233	28.485	ng/ul 100
76) Fluoranthene	19.22	202	2284750	81.350	ng/ul 99
79) Pyrene	19.59	202	6245646	230.539	ng/ul 96
82) Benzo(a)anthracene	21.33	228	2369440	87.220	ng/ul# 78
84) Chrysene	21.39	228	2219759	85.502	ng/ul 92
87) Benzo(b)fluoranthene	22.95	252	2652225m	68.558	ng/ul
88) Benzo(k)fluoranthene	22.98	252	940604m	24.754	ng/ul
90) Benzo(a)pyrene	23.54	252	3246434m	89.172	ng/ul
91) Indeno(1,2,3-cd)pyrene	25.97	276	1274502m	30.723	ng/ul
92) Dibenzo(a,h)anthracene	25.96	278	435158m	12.267	ng/ul
93) Benzo(g,h,i)perylene	26.68	276	972483m	28.320	ng/ul

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

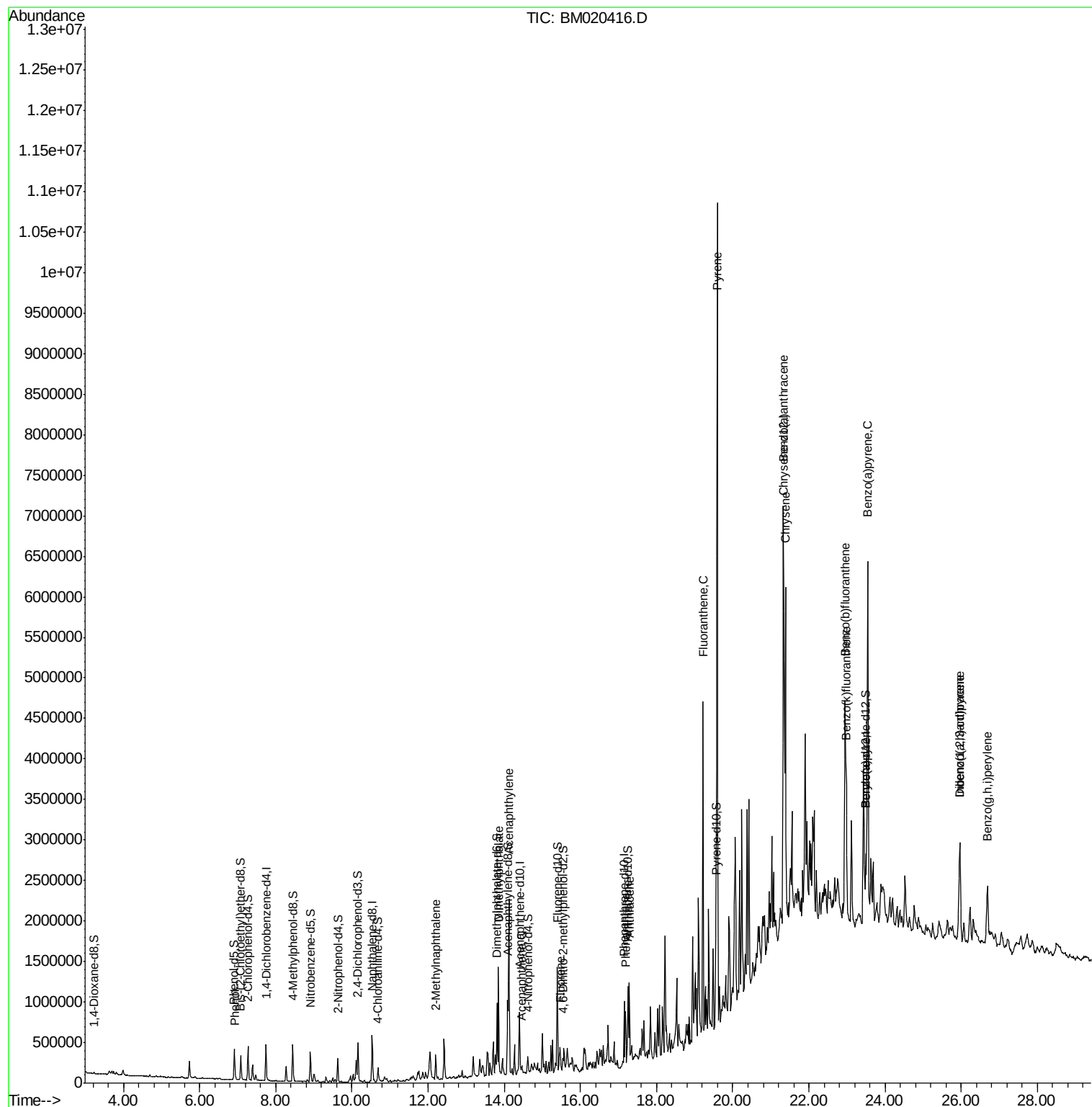
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020416.D
Acq On : 19 May 2019 01:41
Operator : JU/SJ
Sample : K2633-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

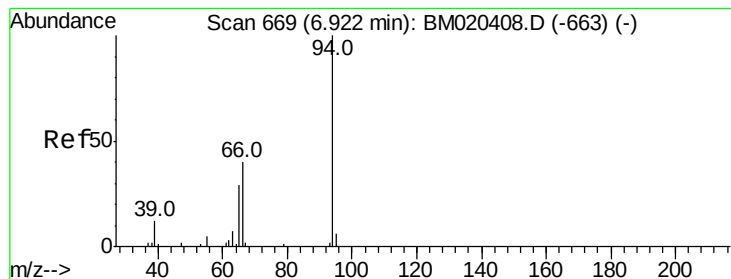
Instrument :
BNA_M
ClientSampleId :
GAJA0

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Quant Time: May 21 10:16:59 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
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#6

Phenol

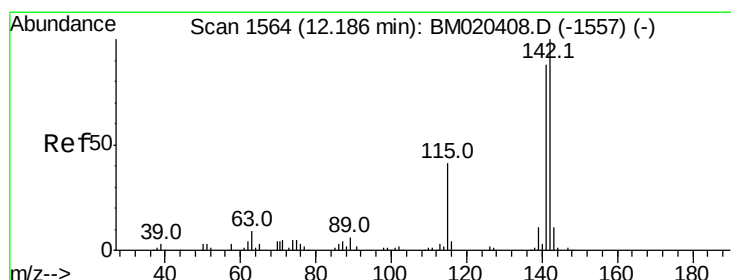
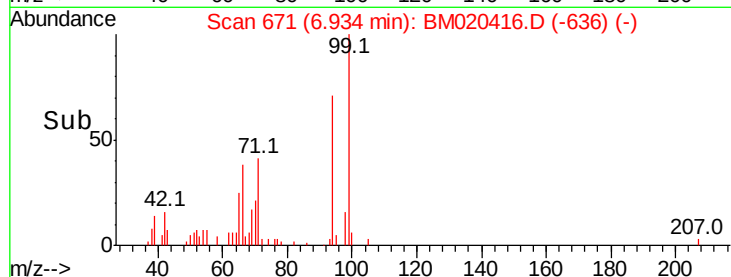
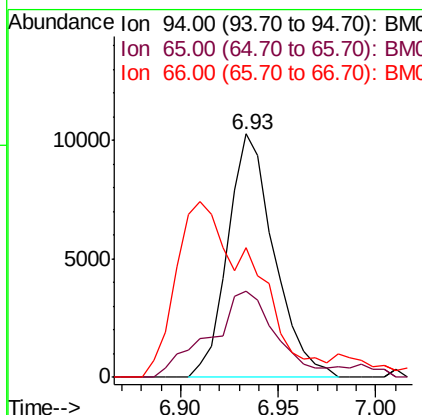
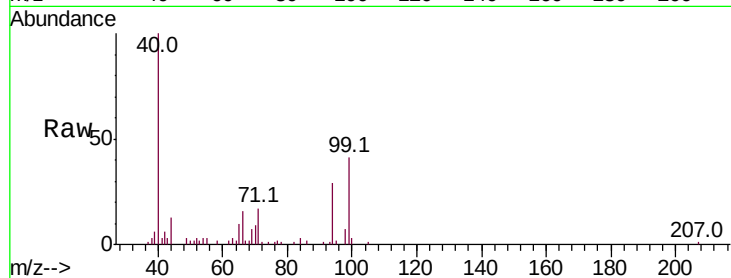
Concen: 1.697 ng/ul
RT: 6.93 min Scan# 671
Delta R.T. 0.01 min
Lab File: BM020416.D
Acq: 19 May 2019 01:41

Instrument :
BNA_M
ClientSampled :
GAJA0

Tot Ion	Ratio	Lower	Upper
94	100		
65	35.4	25.4	38.0
66	53.4	36.5	54.7

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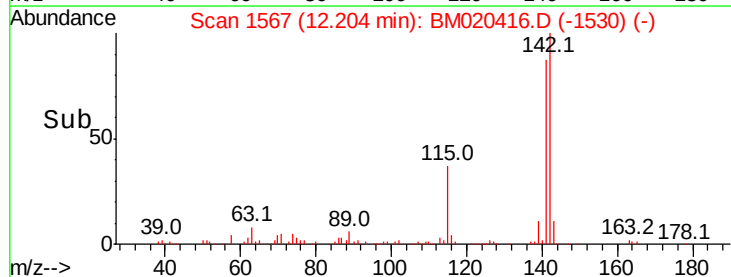
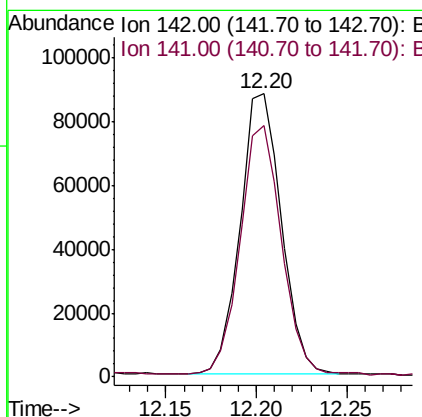
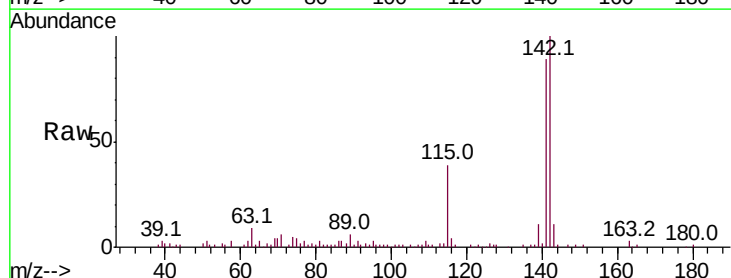


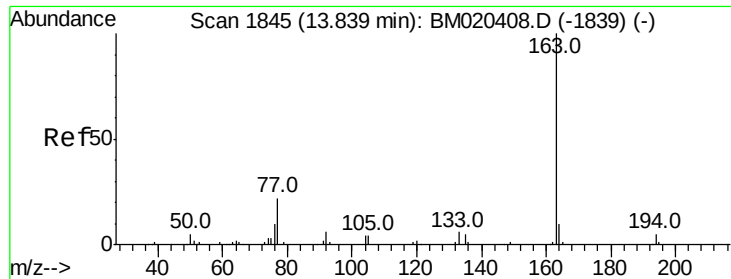
#34

2-Methylnaphthalene

Concen: 9.229 ng/ul
RT: 12.20 min Scan# 1567
Delta R.T. 0.02 min
Lab File: BM020416.D
Acq: 19 May 2019 01:41

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.7	68.6	102.8





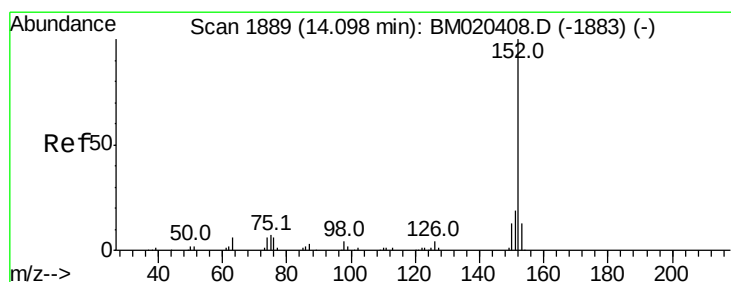
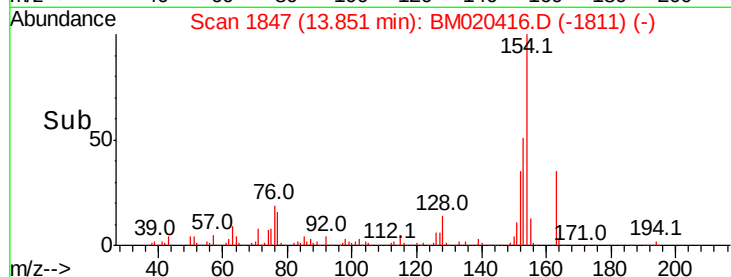
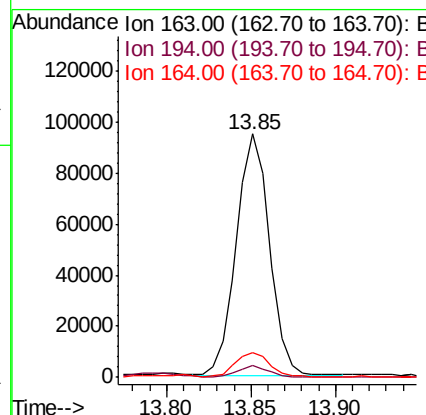
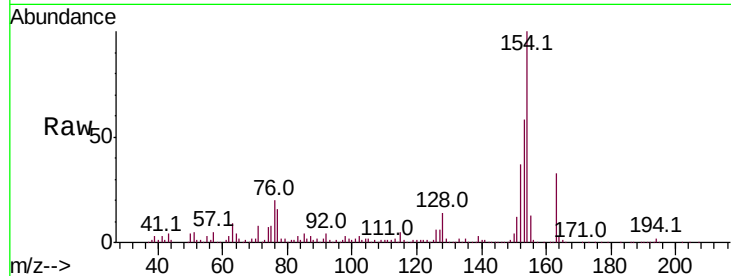
#44
Dimethylphthalate
Concen: 7.489 ng/ul
RT: 13.85 min Scan# 1847
Delta R.T. 0.01 min
Lab File: BM020416.D
Acq: 19 May 2019 01:41

Instrument :
BNA_M
ClientSampleId :
GAJA0

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.3	4.9
164	10.3	8.0	12.0

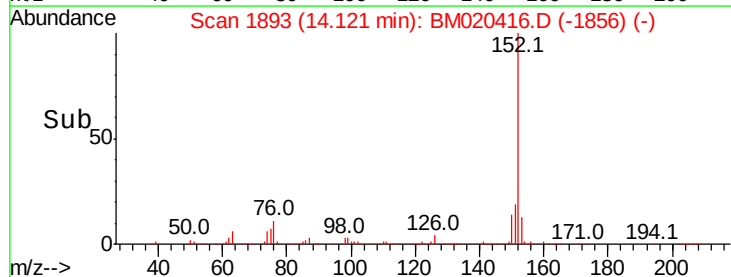
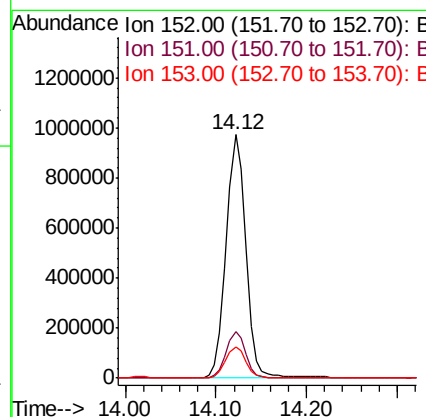
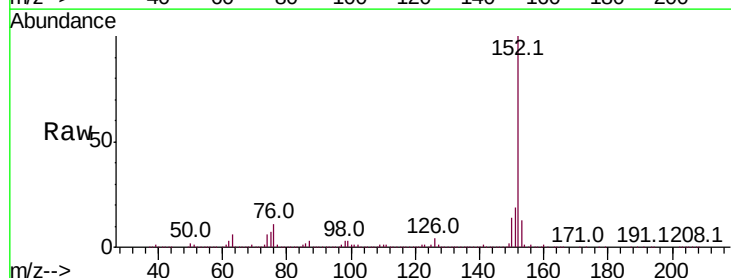
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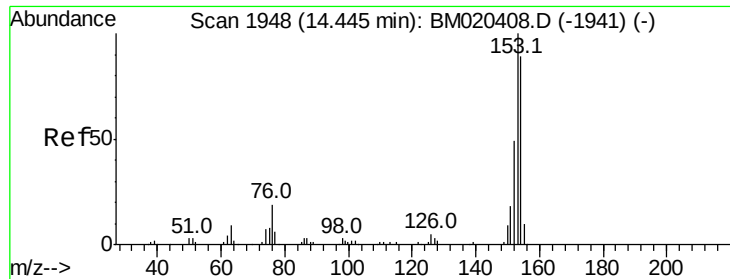
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#47
Acenaphthylene
Concen: 71.054 ng/ul
RT: 14.12 min Scan# 1893
Delta R.T. 0.02 min
Lab File: BM020416.D
Acq: 19 May 2019 01:41

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.4	23.0
153	12.9	10.3	15.5





#49

Acenaphthene

Concen: 2.663 ng/ul

RT: 14.46 min Scan# 1951

Delta R.T. 0.02 min

Lab File: BM020416.D

Acq: 19 May 2019 01:41

Instrument :

BNA_M

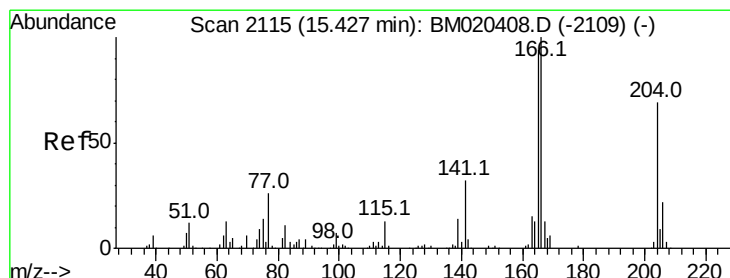
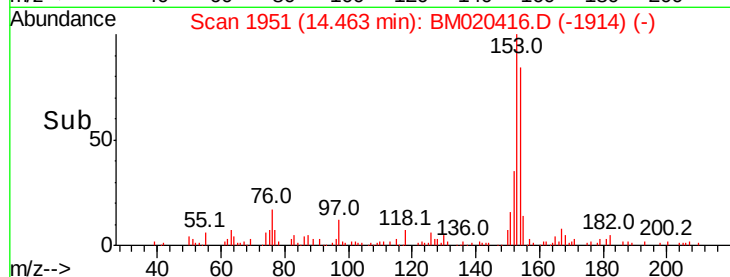
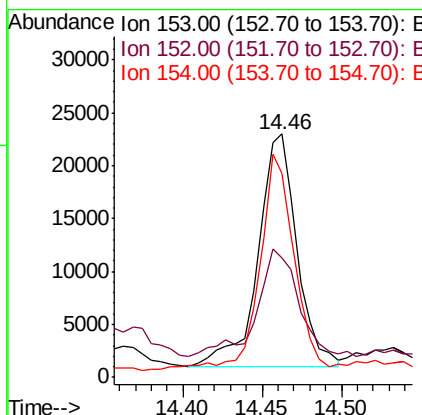
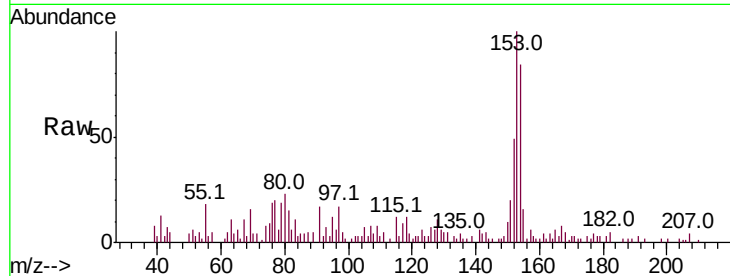
ClientSampleId :

GAJA0

Tot Ion:153	Resp:	37717
Ion Ratio	Lower	Upper
153	100	
152	49.3	37.9 56.9
154	83.6	71.2 106.8

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#58

Fluorene

Concen: 8.783 ng/ul m

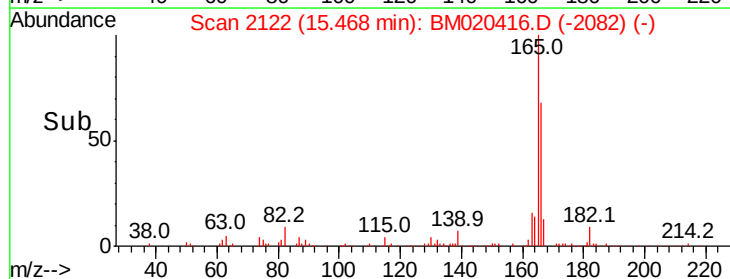
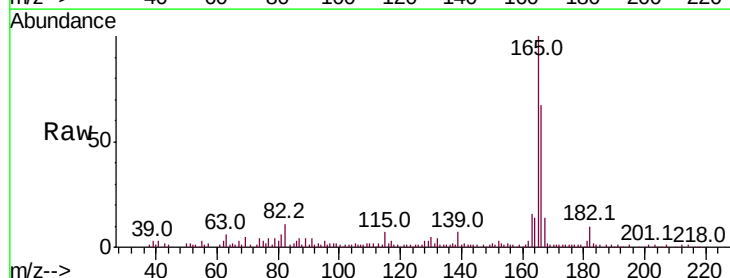
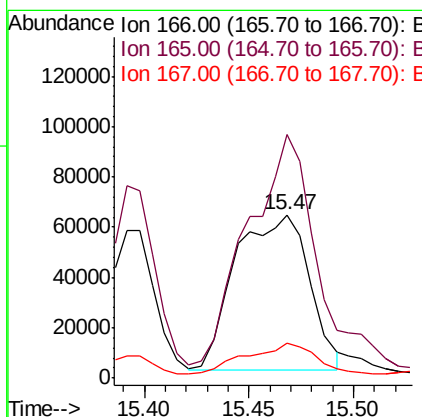
RT: 15.47 min Scan# 2122

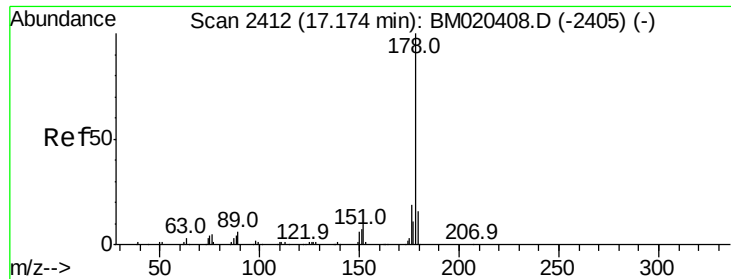
Delta R.T. 0.04 min

Lab File: BM020416.D

Acq: 19 May 2019 01:41

Tgt Ion:166	Resp:	150884
Ion Ratio	Lower	Upper
166	100	
165	149.1	77.1 115.7#
167	21.4	11.1 16.7#





#69

Phenanthrene

Concen: 16.055 ng/ul

RT: 17.19 min Scan# 2415

Delta R.T. 0.02 min

Lab File: BM020416.D

Acq: 19 May 2019 01:41

Instrument :

BNA_M

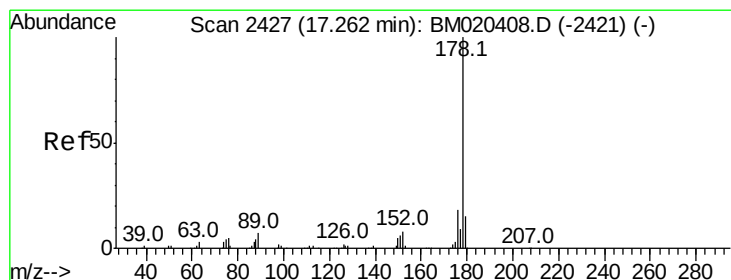
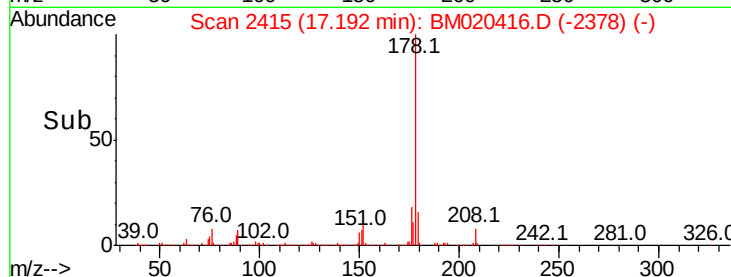
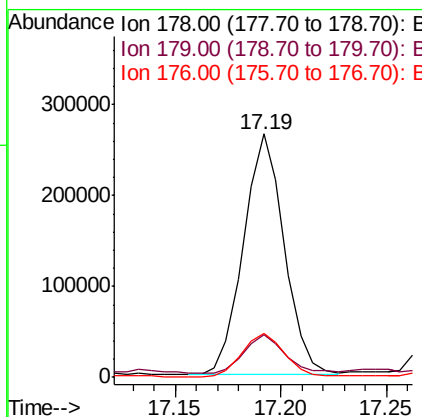
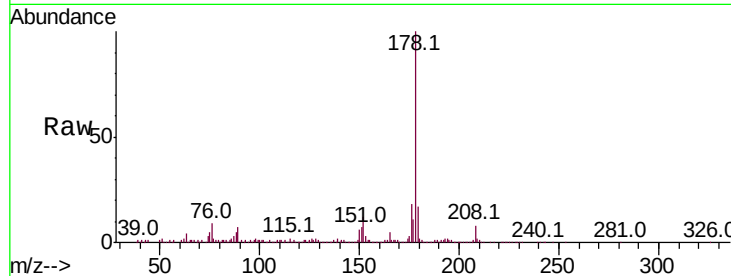
ClientSampleId :

GAJA0

Tot Ion:	178	Resp:	356967
Ion	Ratio	Lower	Upper
178	100		
179	17.3	11.9	17.9
176	17.9	14.6	22.0

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#71

Anthracene

Concen: 28.485 ng/ul

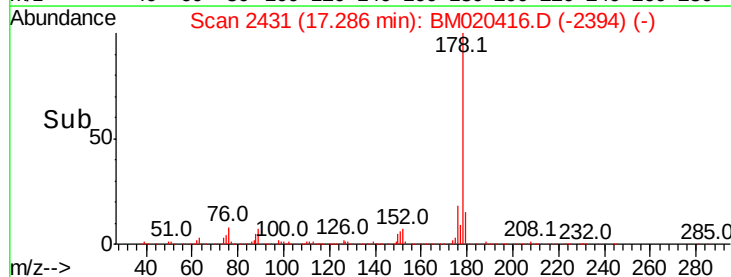
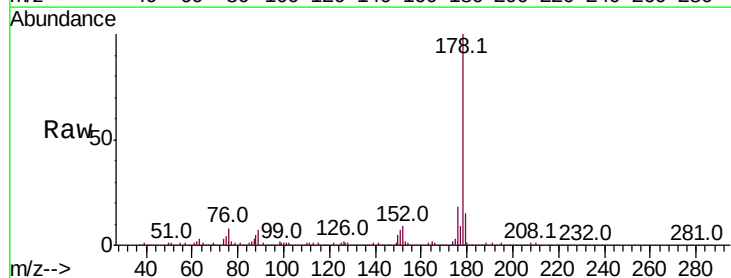
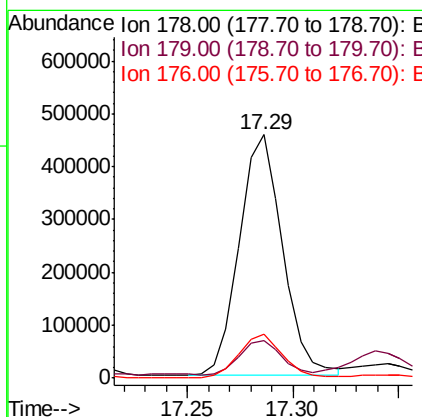
RT: 17.29 min Scan# 2431

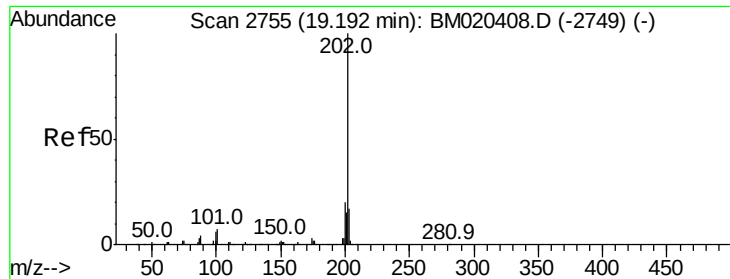
Delta R.T. 0.02 min

Lab File: BM020416.D

Acq: 19 May 2019 01:41

Tgt Ion:	178	Resp:	644233
Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6
176	18.2	14.4	21.6





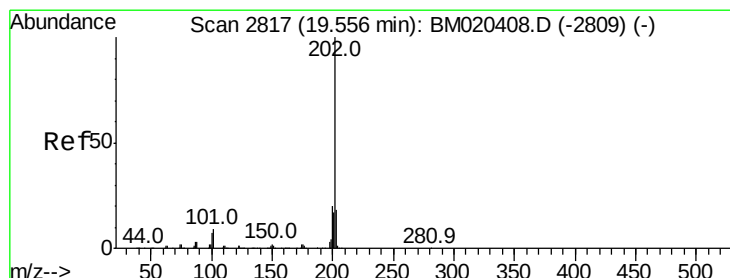
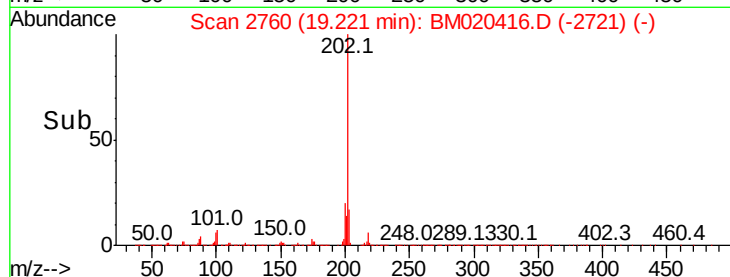
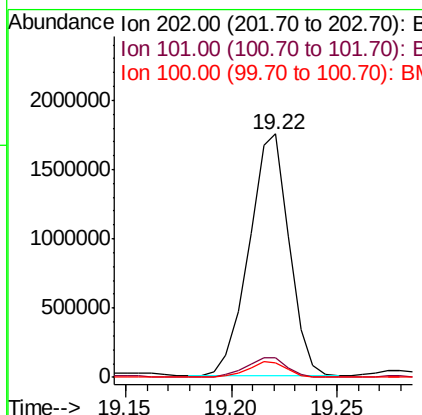
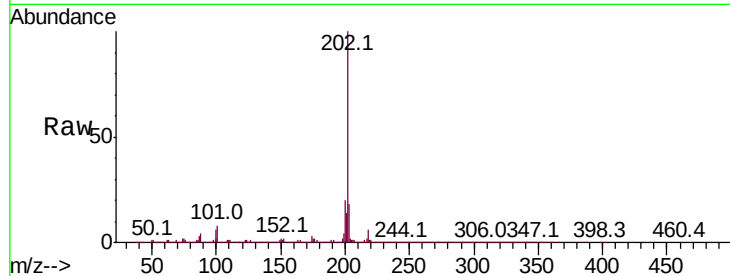
#76
Fluoranthene
Concen: 81.350 ng/ul
RT: 19.22 min Scan# 2760
Delta R.T. 0.03 min
Lab File: BM020416.D
Acq: 19 May 2019 01:41

Instrument :
BNA_M
ClientSampleId :
GAJA0

Tot Ion	Ratio	Lower	Upper
202	100		
101	7.9	6.4	9.6
100	6.0	5.2	7.8

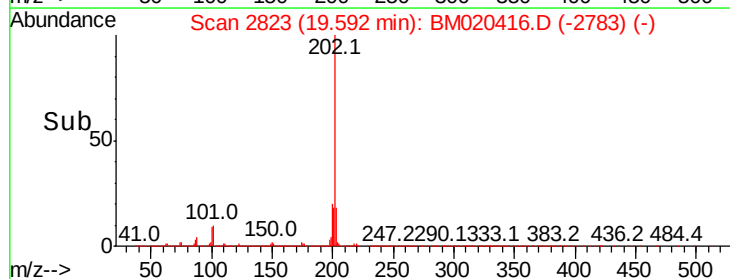
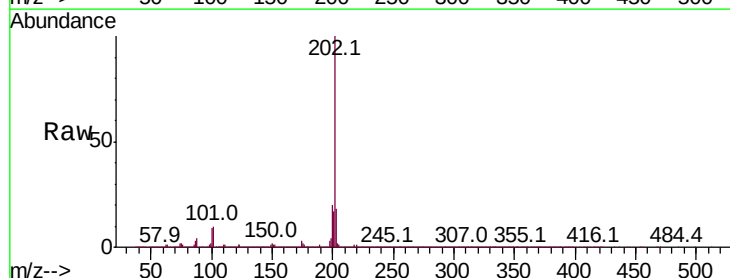
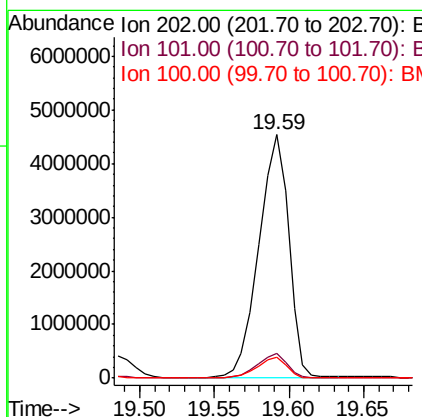
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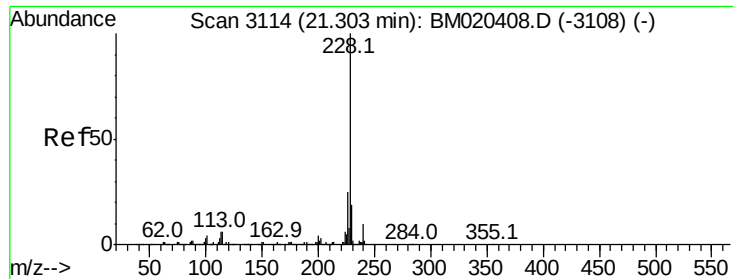
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#79
Pyrene
Concen: 230.539 ng/ul
RT: 19.59 min Scan# 2823
Delta R.T. 0.04 min
Lab File: BM020416.D
Acq: 19 May 2019 01:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	7.1	10.7
100	8.5	5.9	8.9





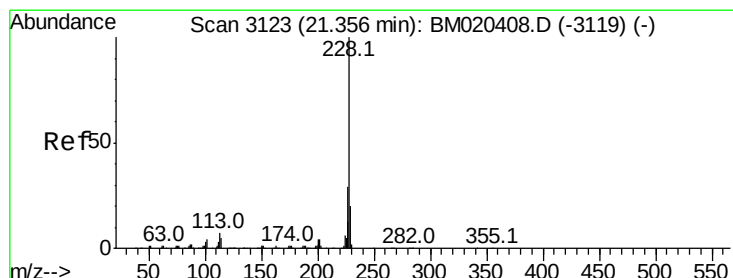
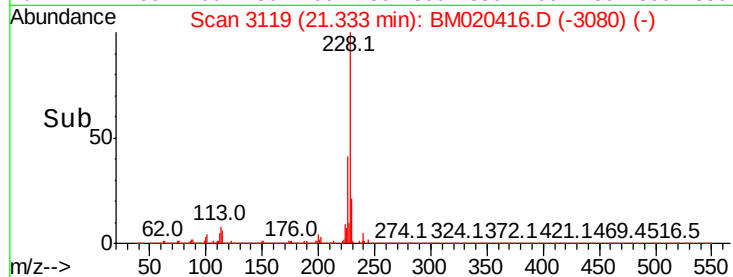
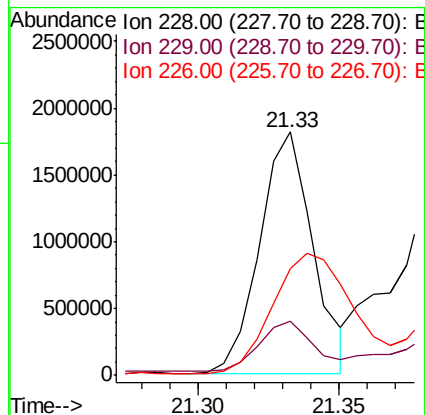
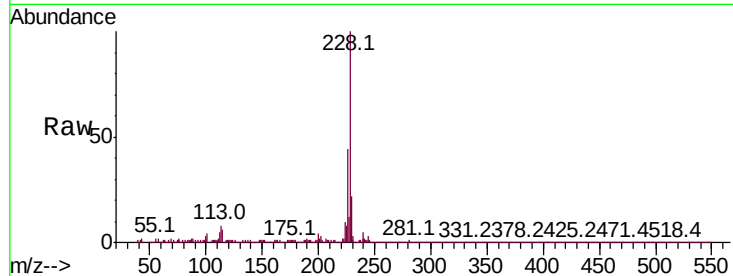
#82
Benzo(a)anthracene
Concen: 87.220 ng/ul
RT: 21.33 min Scan# 3119
Delta R.T. 0.03 min
Lab File: BM020416.D
Acq: 19 May 2019 01:41

Instrument :
BNA_M
ClientSampleId :
GAJA0

Tot Ion	Ratio	Lower	Upper
228	100		
229	22.0	15.8	23.8
226	43.9	20.6	30.8

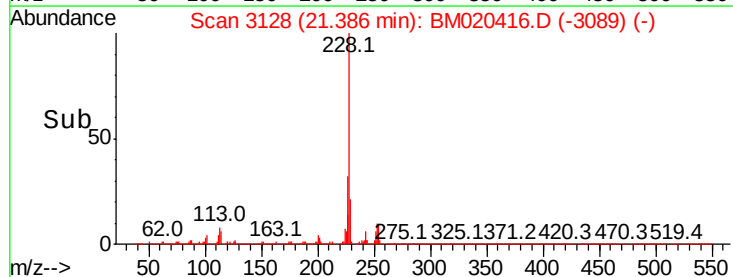
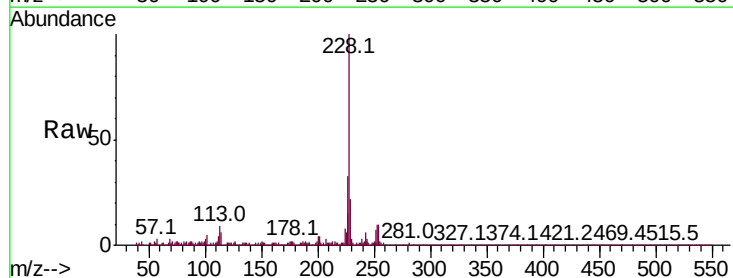
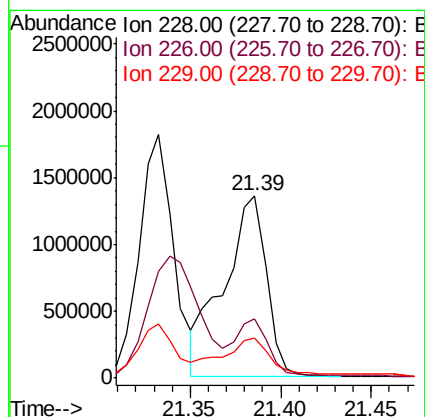
Manual Integrations
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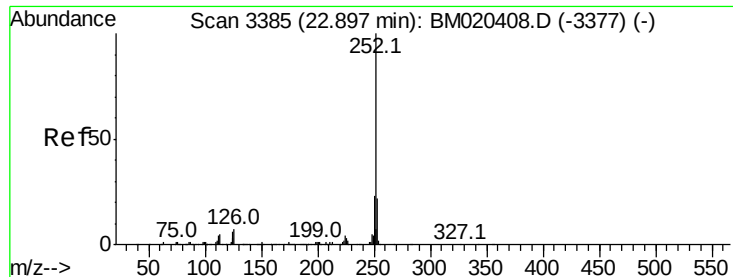
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#84
Chrysene
Concen: 85.502 ng/ul
RT: 21.39 min Scan# 3128
Delta R.T. 0.03 min
Lab File: BM020416.D
Acq: 19 May 2019 01:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.6	22.2	33.4
229	22.1	15.4	23.2





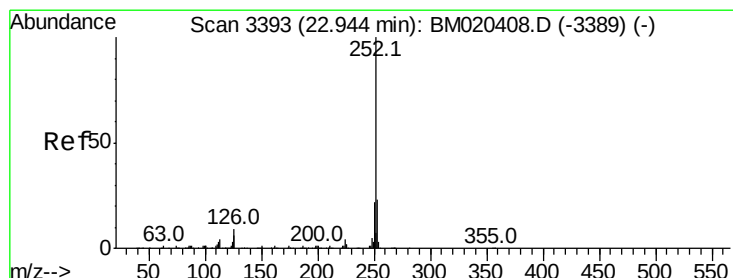
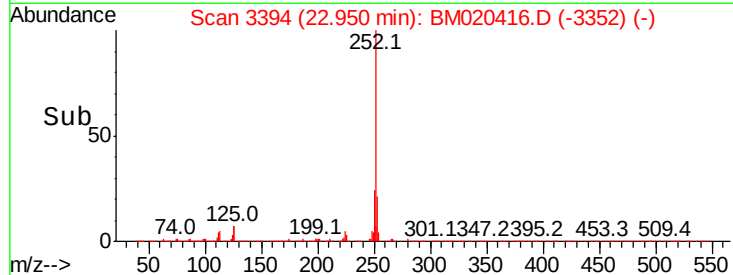
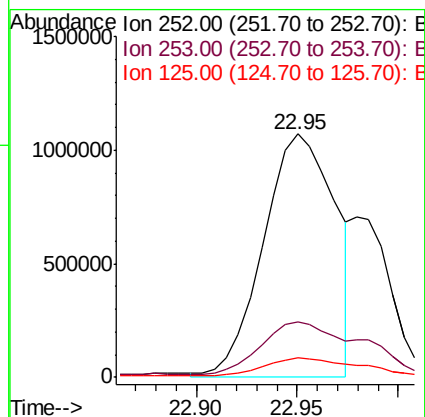
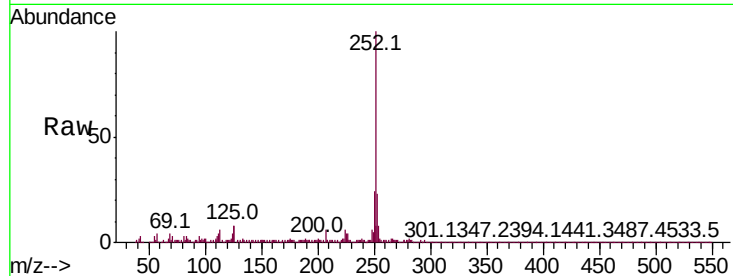
#87
Benzo(b)fluoranthene
Concen: 68.558 ng/ul m
RT: 22.95 min Scan# 3394
Delta R.T. 0.05 min
Lab File: BM020416.D
Acq: 19 May 2019 01:41

Instrument :
BNA_M
ClientSampleId :
GAJA0

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	7.9	5.0	7.4#

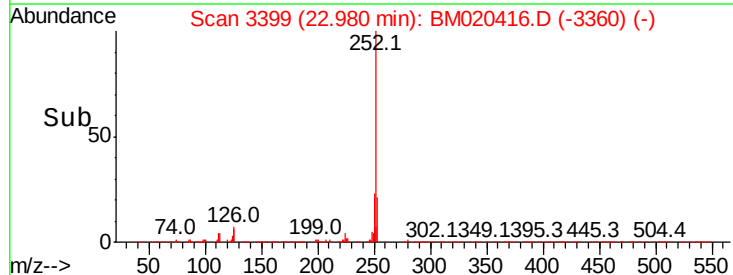
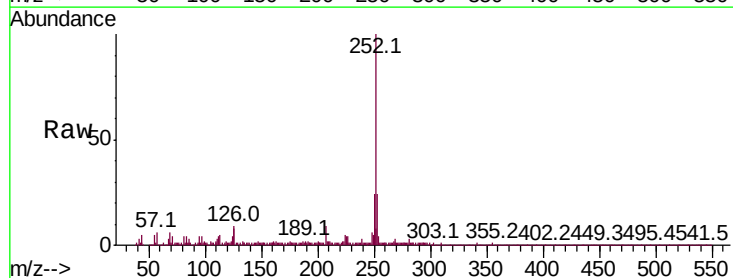
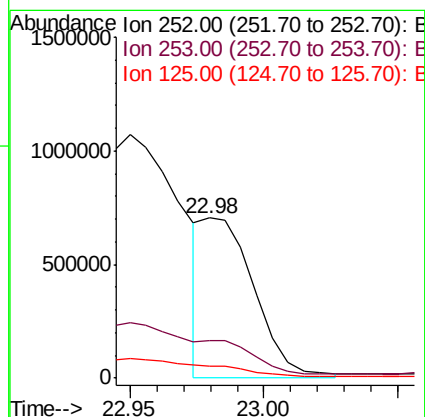
Manual Integrations
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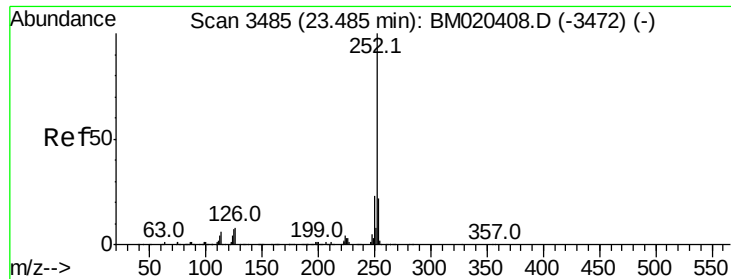
mohammad
5/20/2019 2:48:26 PM



#88
Benzo(k)fluoranthene
Concen: 24.754 ng/ul m
RT: 22.98 min Scan# 3399
Delta R.T. 0.03 min
Lab File: BM020416.D
Acq: 19 May 2019 01:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	7.6	5.0	7.6





#90

Benzo(a)pyrene

Concen: 89.172 ng/ul m

RT: 23.54 min Scan# 3495

Delta R.T. 0.05 min

Lab File: BM020416.D

Acq: 19 May 2019 01:41

Instrument :

BNA_M

ClientSampleId :

GAJA0

Tot Ion:252 Resp: 3246434

Ion Ratio Lower Upper

252 100

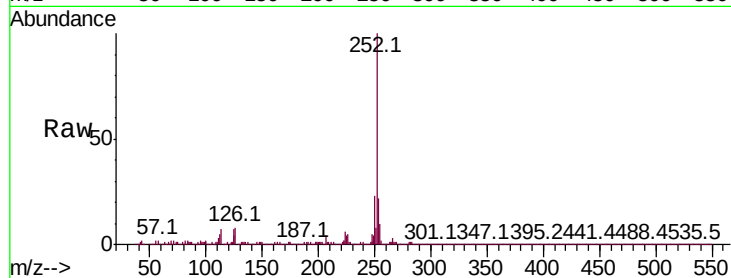
253 22.4 17.4 26.2

125 6.8 5.4 8.2

Manual Integrations
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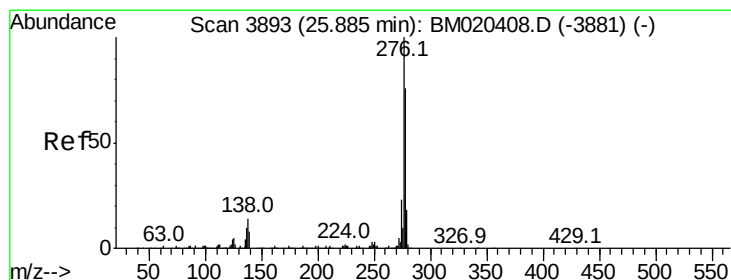
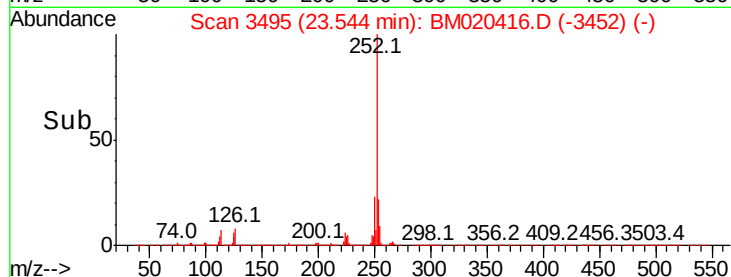
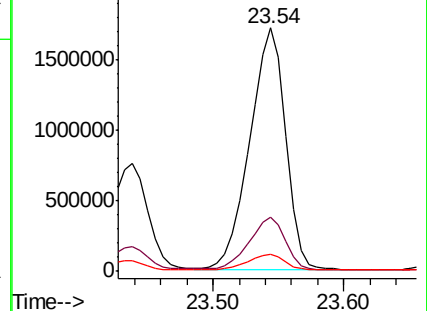
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Indeno(1,2,3-cd)pyrene

Concen: 30.723 ng/ul m

RT: 25.97 min Scan# 3907

Delta R.T. 0.08 min

Lab File: BM020416.D

Acq: 19 May 2019 01:41

Tgt Ion:276 Resp: 1274502

Ion Ratio Lower Upper

276 100

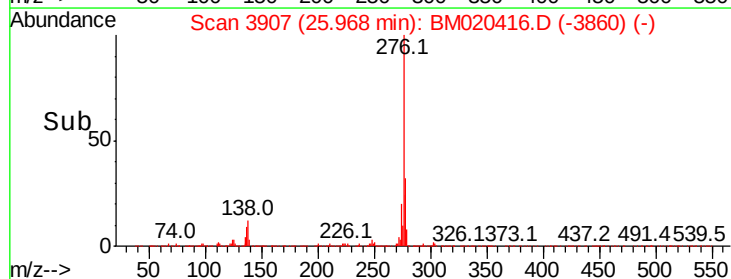
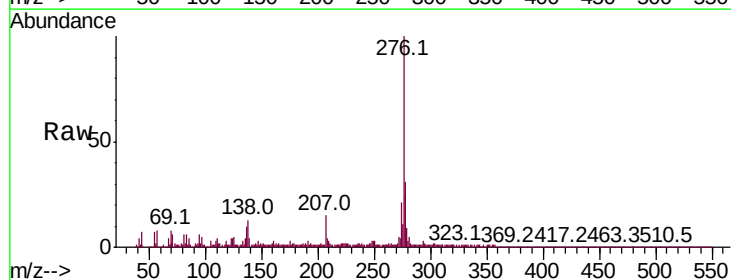
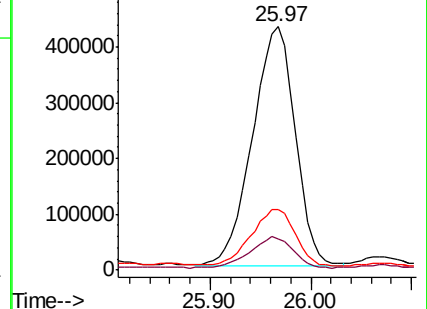
138 12.7 12.3 18.5

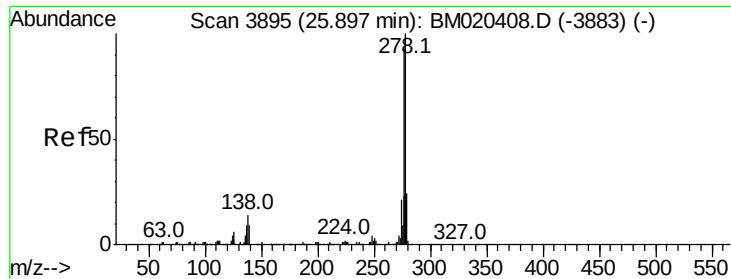
277 24.9 20.0 30.0

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





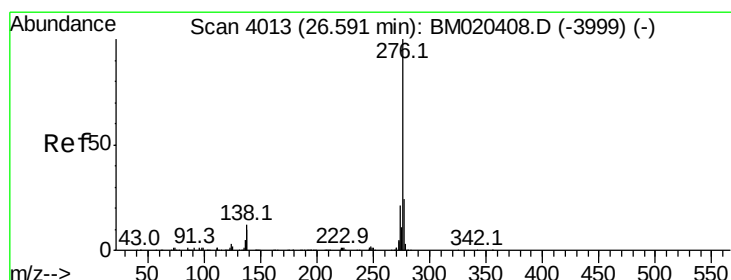
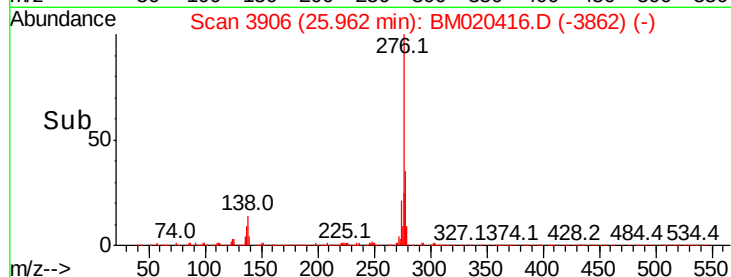
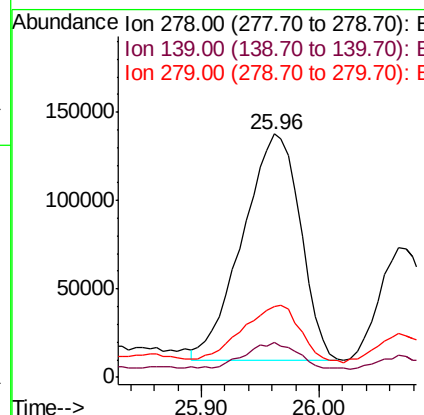
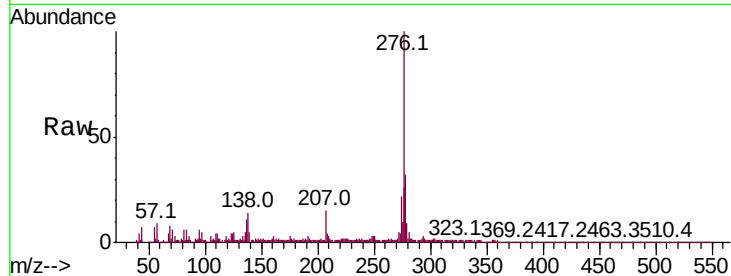
#92
Dibenzo(a,h)anthracene
Concen: 12.267 ng/ul m
RT: 25.96 min Scan# 3906
Delta R.T. 0.06 min
Lab File: BM020416.D
Acq: 19 May 2019 01:41

Instrument :
BNA_M
ClientSampleId :
GAJA0

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.2	8.1	12.1#
279	29.0	18.7	28.1#

Manual Integrations
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#93
Benzo(g,h,i)perylene
Concen: 28.320 ng/ul m
RT: 26.68 min Scan# 4028
Delta R.T. 0.08 min
Lab File: BM020416.D
Acq: 19 May 2019 01:41

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.4	10.0	15.0
277	25.1	18.2	27.4

