

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111319\
 Data File : BM023712.D
 Acq On : 14 Nov 2019 00:19
 Operator : JU
 Sample : K5678-16
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLMA1

Manual Integrations
 APPROVED

mohammad
 11/14/2019 6:59:47 AM

Quant Time: Nov 14 03:52:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM11119MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 14 03:45:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	429892	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	1973631	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.20	164	1334313	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.95	188	2777073	20.00	ng/ul	0.00
78) Chrysene-d12	21.15	240	2075141	20.00	ng/ul	0.00
86) Perylene-d12	23.32	264	2107249	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	24954	2.39	ng/uL	0.00
5) Phenol-d5	6.73	99	747576	19.08	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.89	67	420616	18.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.08	132	584739	20.60	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	598621	19.15	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	317449	22.47	ng/ul	0.00
22) 2-Nitrophenol-d4	9.41	143	353470	23.80	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.95	165	706143	20.86	ng/ul	0.00
29) 4-Chloroaniline-d4	10.46	131	348298	9.37	ng/ul	0.00
44) Dimethylphthalate-d6	13.62	166	2193546	21.08	ng/ul	0.00
47) Acenaphthylene-d8	13.89	160	2626473	22.12	ng/ul	0.00
52) 4-Nitrophenol-d4	14.43	143	151409	8.52	ng/ul	0.00
58) Fluorene-d10	15.20	176	1955796	21.29	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.33	200	217655	13.55	ng/ul	0.00
71) Anthracene-d10	17.05	188	2915742	22.13	ng/ul	0.00
79) Pyrene-d10	19.35	212	2911984	26.91	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.18	264	2425227	21.87	ng/ul	0.00

Target Compounds

					Ovalue	
14) Acetophenone	8.36	105	69144	1.418	ng/ul	95
28) Naphthalene	10.36	128	2343391	22.590	ng/ul	100
34) 2-Methylnaphthalene	11.99	142	1505473	18.972	ng/ul	99
41) 1,1'-Biphenyl	13.02	154	618088	6.005	ng/ul	99
45) Dimethylphthalate	13.66	163	224217	2.199	ng/ul	99
50) Acenaphthene	14.26	153	1371696	16.169	ng/ul	99
54) Dibenzofuran	14.60	168	1514069	12.056	ng/ul	97
59) Fluorene	15.25	166	881652	8.653	ng/ul	98
70) Phenanthrene	16.99	178	3075894	20.108	ng/ul	100
72) Anthracene	17.08	178	1044722	6.792	ng/ul	98
75) Carbazole	17.35	167	342126	2.668	ng/ul	97
77) Fluoranthene	19.02	202	2134657	13.025	ng/ul	99
80) Pyrene	19.38	202	1547078	11.534	ng/ul	98
81) Butylbenzylphthalate	20.30	149	57747	1.359	ng/ul#	78
83) Benzo(a)anthracene	21.13	228	594946	4.347	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.09	149	1695770	26.438	ng/ul	100
85) Chrysene	21.19	228	551647m	4.281	ng/ul	
88) Benzo(b)fluoranthene	22.67	252	587111	4.371	ng/ul#	76
89) Benzo(k)fluoranthene	22.71	252	178337m	1.378	ng/ul	
91) Benzo(a)pyrene	23.22	252	404741	3.291	ng/ul#	84
92) Indeno(1,2,3-cd)pyrene	25.47	276	234089	1.780	ng/ul	97
94) Benzo(a,h,i)perylene	26.12	276	218876	2.054	ng/ul#	92

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

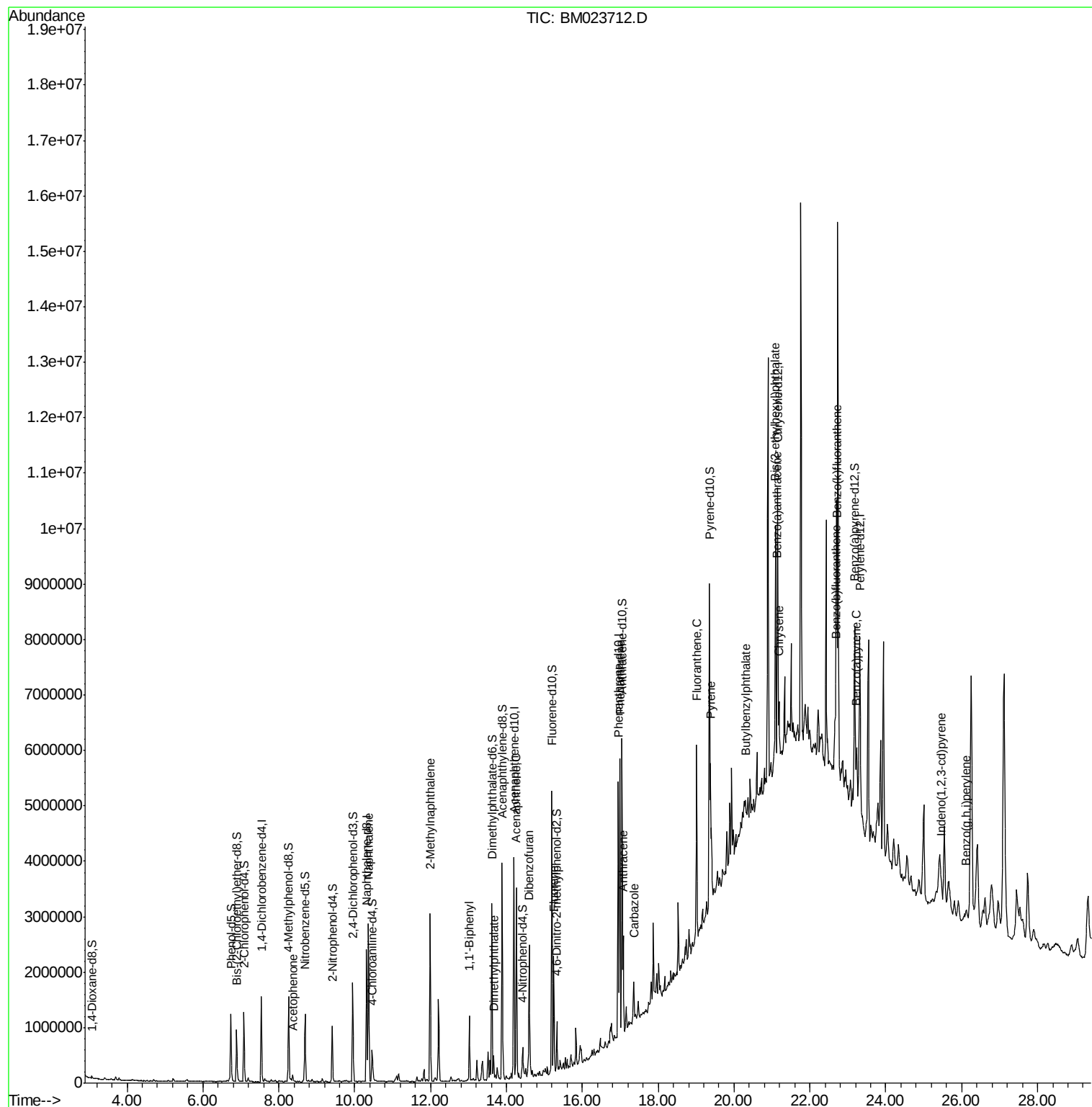
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111319\
Data File : BM023712.D
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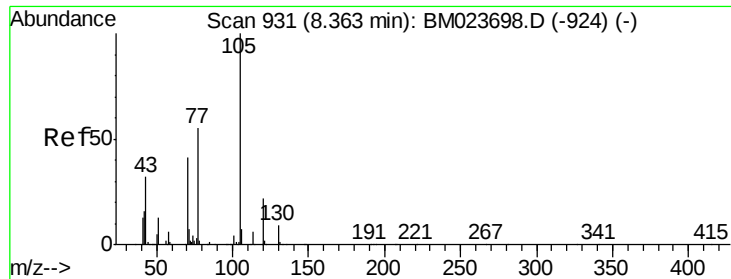
Instrument :
BNA_M
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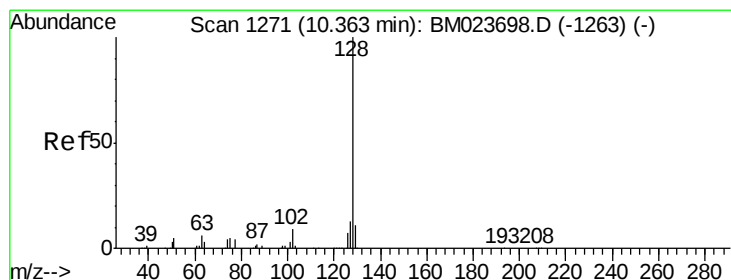
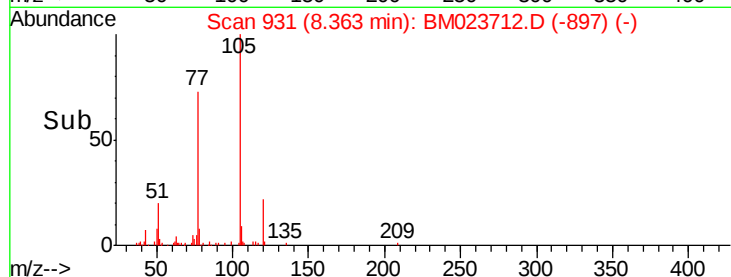
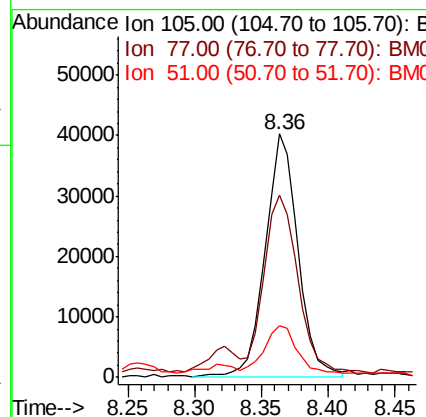
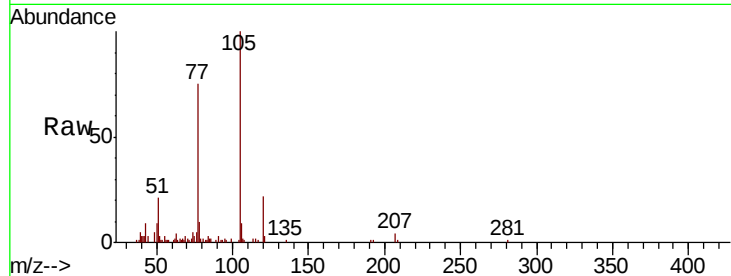
#14
Acetophenone
Concen: 1.418 ng/ul
RT: 8.36 min Scan# 931
Delta R.T. 0.00 min
Lab File: BM023712.D
Acq: 14 Nov 2019 00:19

Instrument :
BNA_M
ClientSampled :
JLMA1

Tot Ion:	105	Resp:	69144
Ion Ratio	Lower	Upper	
105	100		
77	74.6	63.8	95.6
51	21.4	16.3	24.5

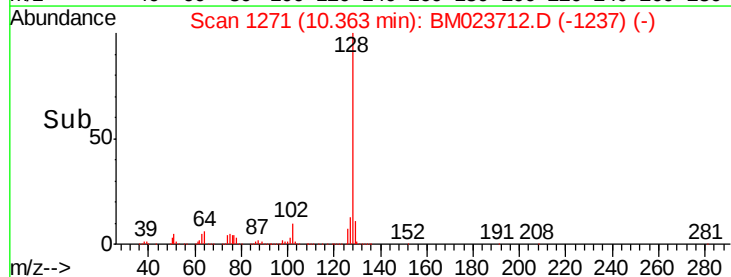
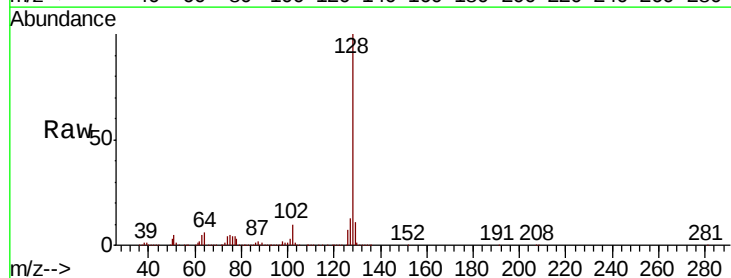
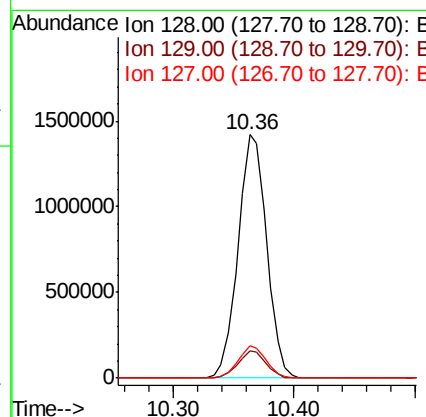
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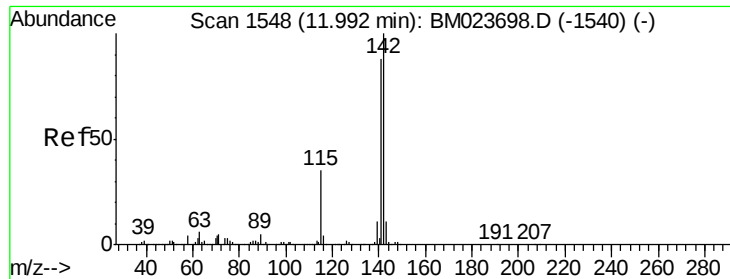
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#28
Naphthalene
Concen: 22.590 ng/ul
RT: 10.36 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BM023712.D
Acq: 14 Nov 2019 00:19

Tgt Ion:	128	Resp:	2343391
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.7	13.1
127	13.1	10.6	16.0





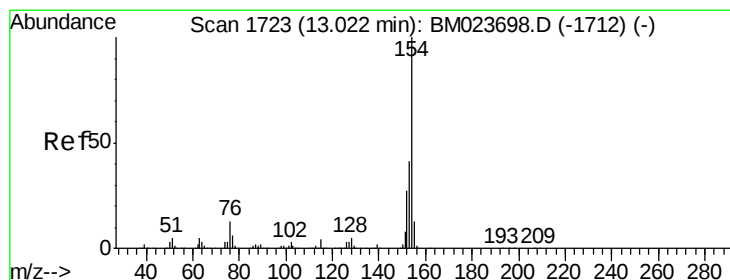
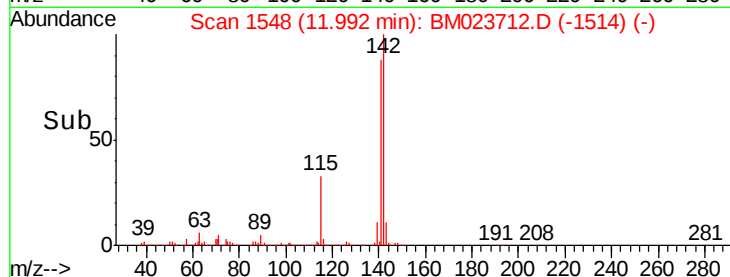
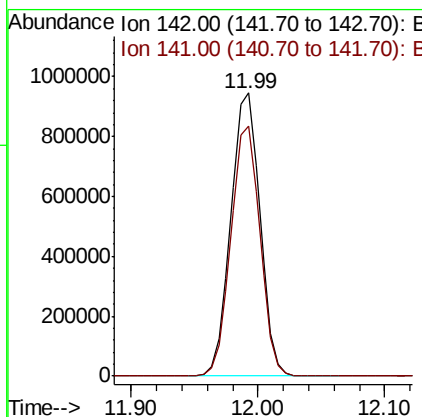
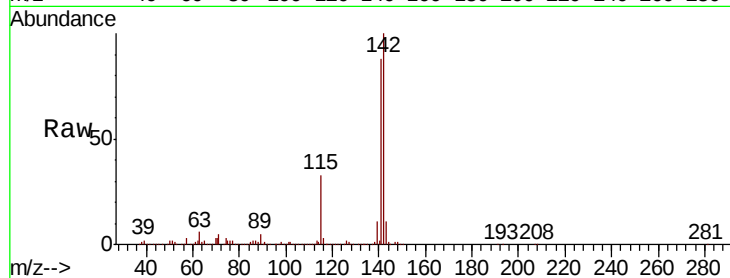
#34
 2-Methylnaphthalene
 Concen: 18.972 ng/ul
 RT: 11.99 min Scan# 1548
 Delta R.T. 0.00 min
 Lab File: BM023712.D
 Acq: 14 Nov 2019 00:19

Instrument :
 BNA_M
 ClientSampleId :
 JLMA1

Tot Ion:142 Resp: 1505473
 Ion Ratio Lower Upper
 142 100
 141 88.1 69.8 104.8

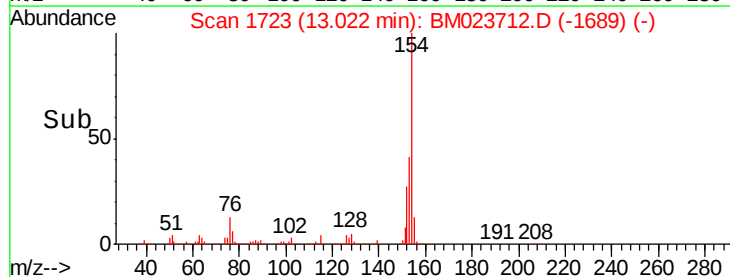
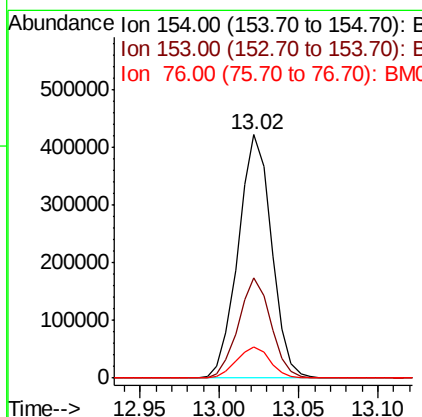
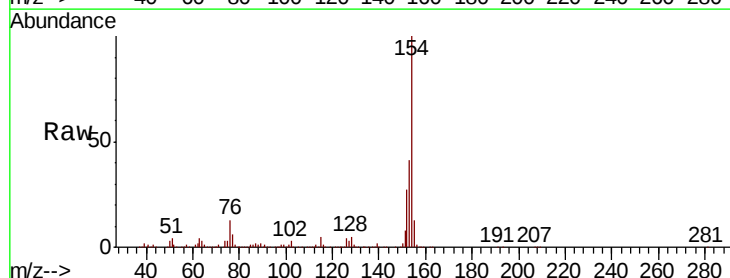
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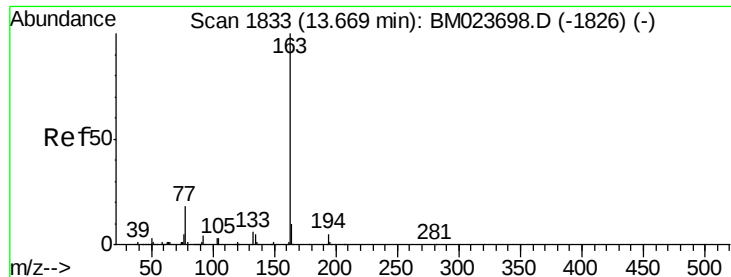
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#41
 1,1'-Biphenyl
 Concen: 6.005 ng/ul
 RT: 13.02 min Scan# 1723
 Delta R.T. 0.00 min
 Lab File: BM023712.D
 Acq: 14 Nov 2019 00:19

Tgt Ion:154 Resp: 618088
 Ion Ratio Lower Upper
 154 100
 153 41.3 32.3 48.5
 76 12.6 10.6 15.8





#45

Dimethylphthalate

Concen: 2.199 ng/ul

RT: 13.66 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BM023712.D

Acq: 14 Nov 2019 00:19

Instrument :

BNA_M

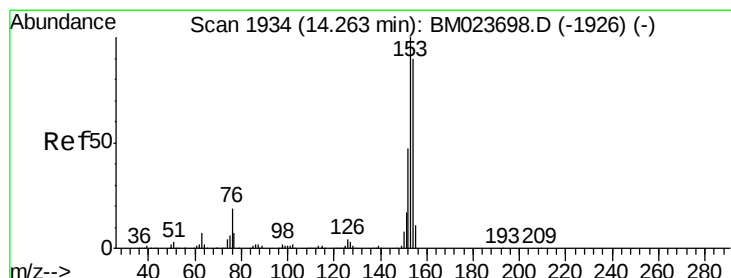
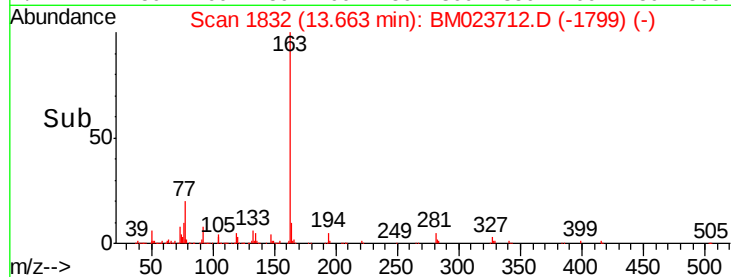
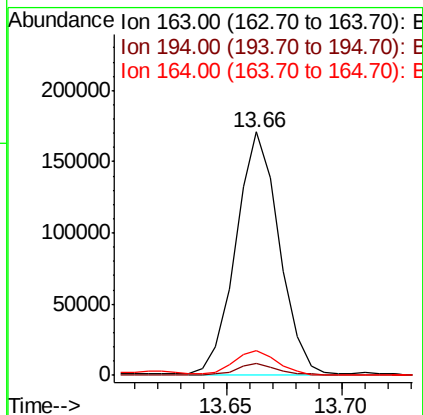
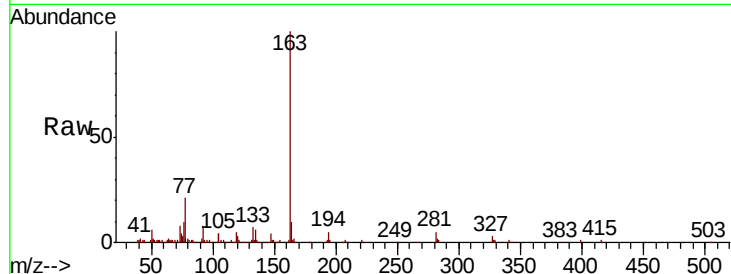
ClientSampled :

JLMA1

Tot Ion:	163	Resp:	224217
Ion Ratio	Lower	Upper	
163	100		
194	4.8	3.4	5.2
164	10.2	8.0	12.0

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#50

Acenaphthene

Concen: 16.169 ng/ul

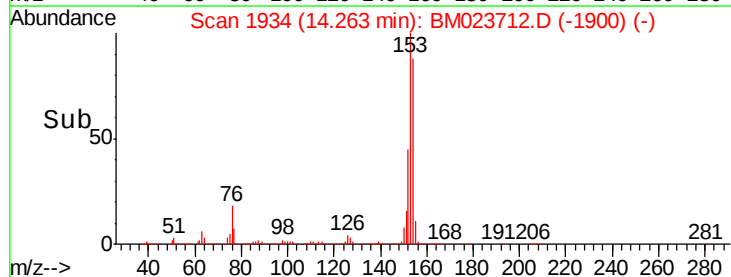
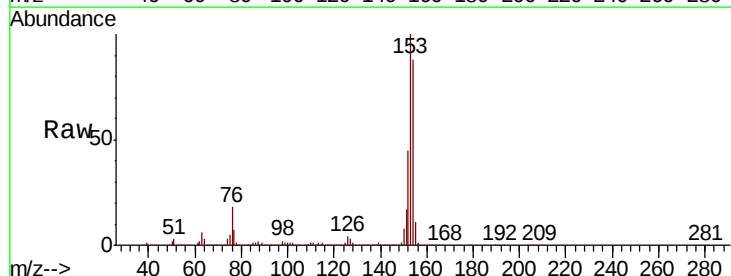
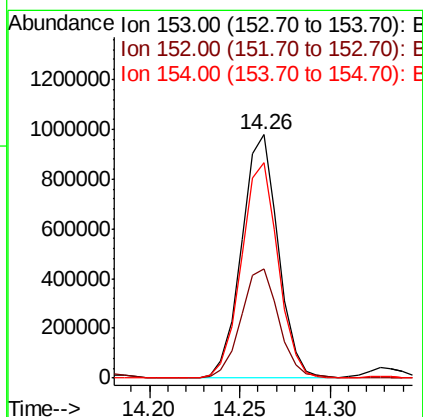
RT: 14.26 min Scan# 1934

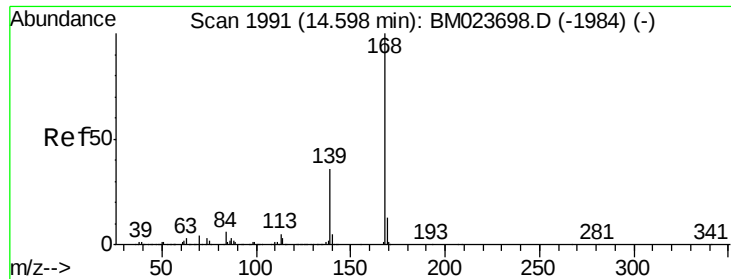
Delta R.T. 0.00 min

Lab File: BM023712.D

Acq: 14 Nov 2019 00:19

Tgt Ion:	153	Resp:	1371696
Ion Ratio	Lower	Upper	
153	100		
152	45.1	37.7	56.5
154	88.5	70.6	106.0





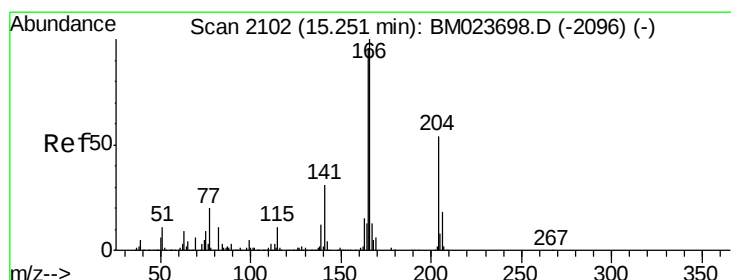
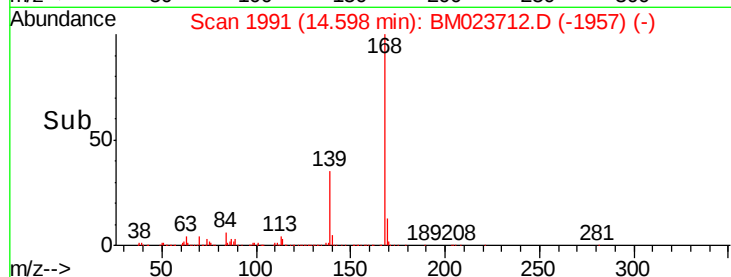
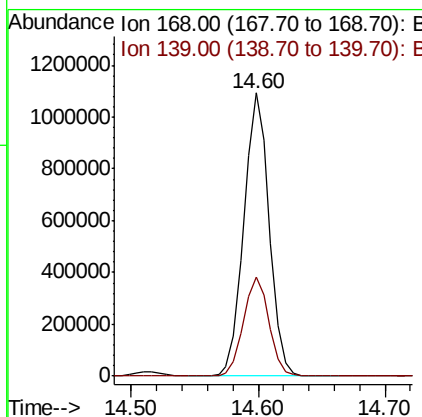
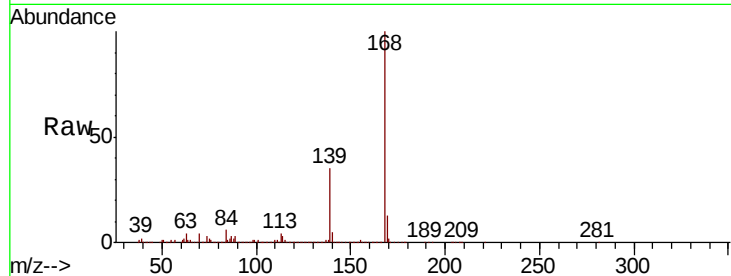
#54
Dibenzofuran
Concen: 12.056 ng/ul
RT: 14.60 min Scan# 1991
Delta R.T. 0.00 min
Lab File: BM023712.D
Acq: 14 Nov 2019 00:19

Instrument :
BNA_M
ClientSampleId :
JLMA1

Tot Ion:168 Resp: 1514069
Ion Ratio Lower Upper
168 100
139 35.1 29.3 43.9

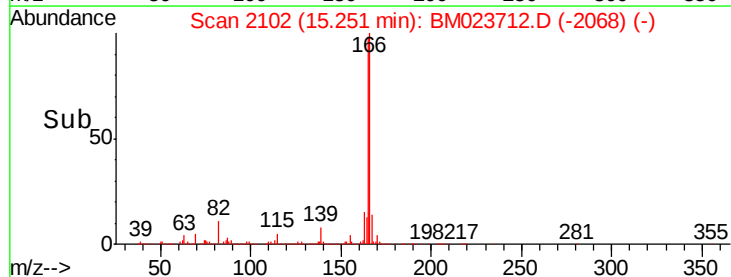
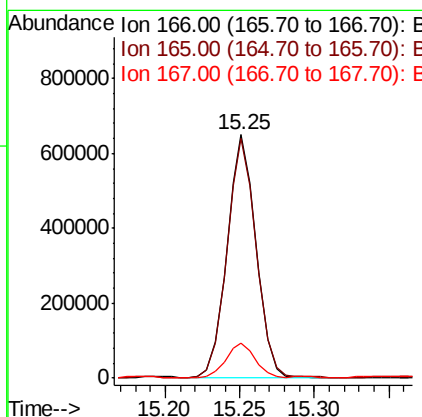
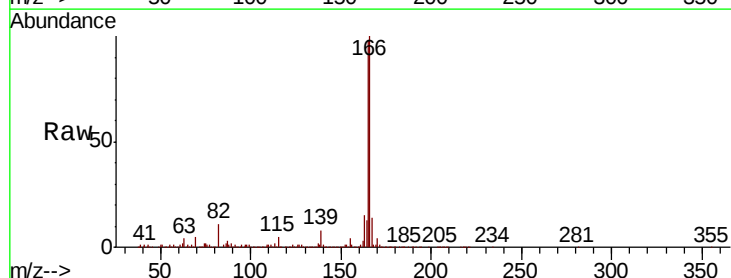
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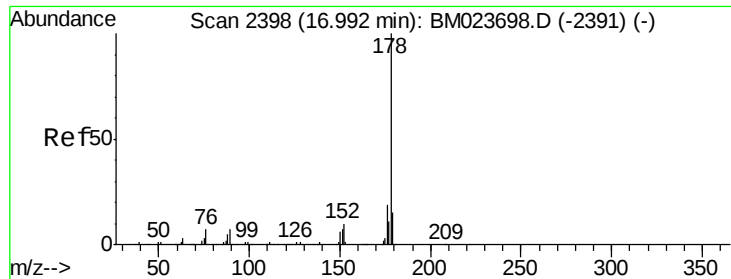
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#59
Fluorene
Concen: 8.653 ng/ul
RT: 15.25 min Scan# 2102
Delta R.T. 0.00 min
Lab File: BM023712.D
Acq: 14 Nov 2019 00:19

Tgt Ion:166 Resp: 881652
Ion Ratio Lower Upper
166 100
165 98.4 77.2 115.8
167 14.1 10.9 16.3





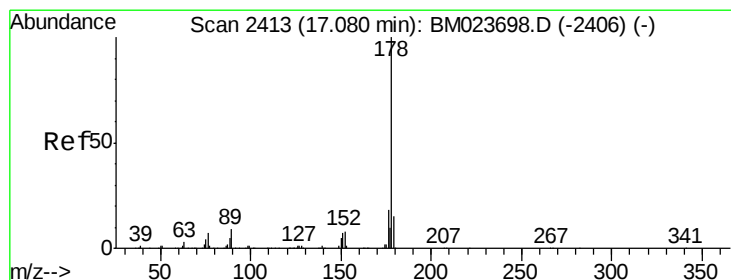
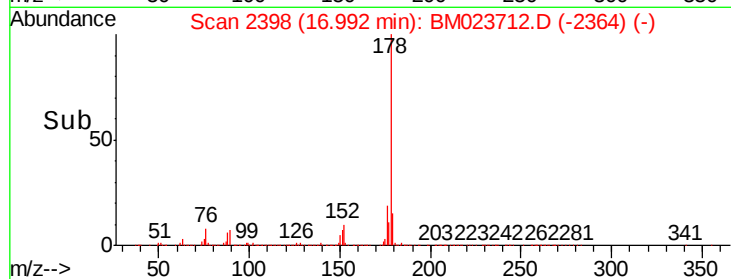
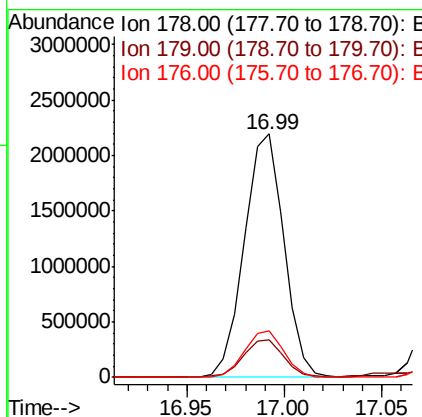
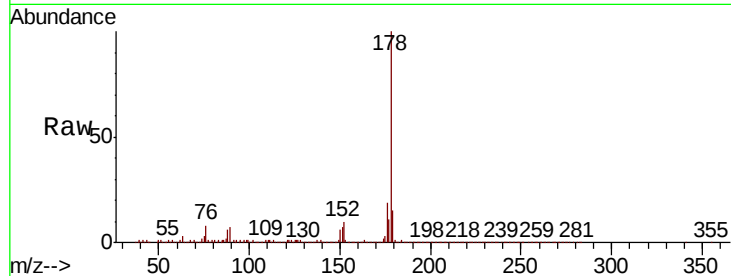
#70
Phenanthrene
Concen: 20.108 ng/ul
RT: 16.99 min Scan# 2398
Delta R.T. 0.00 min
Lab File: BM023712.D
Acq: 14 Nov 2019 00:19

Instrument :
BNA_M
ClientSampleId :
JLMA1

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5
176	19.0	15.0	22.6

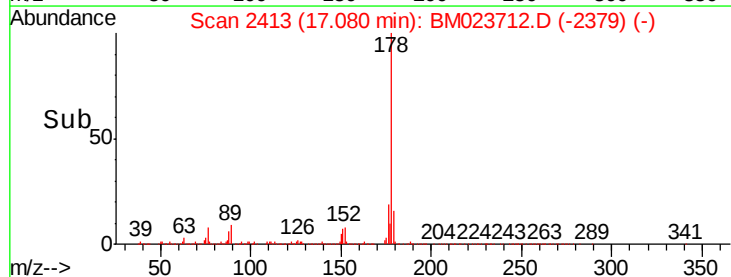
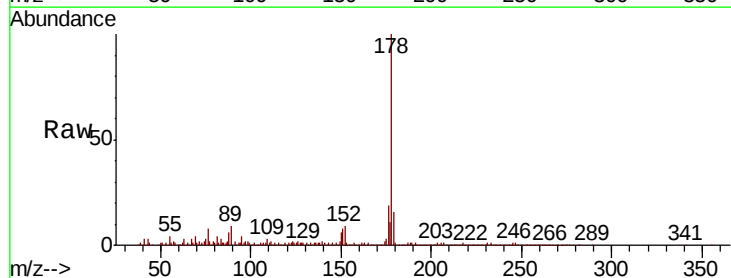
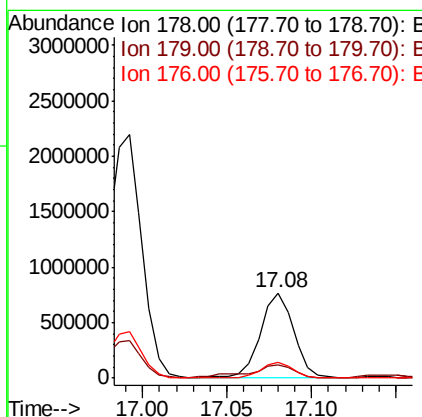
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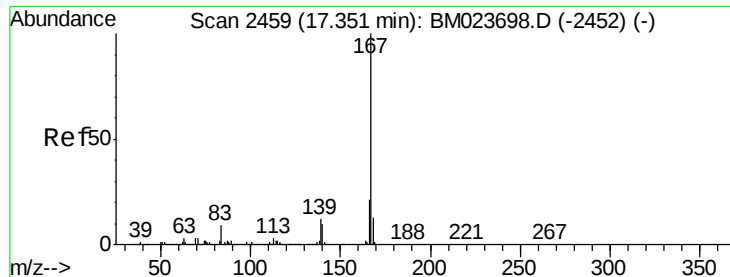
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#72
Anthracene
Concen: 6.792 ng/ul
RT: 17.08 min Scan# 2413
Delta R.T. 0.00 min
Lab File: BM023712.D
Acq: 14 Nov 2019 00:19

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.3	18.5
176	18.9	14.7	22.1





#75

Carbazole

Concen: 2.668 ng/ul

RT: 17.35 min Scan# 2459

Delta R.T. 0.00 min

Lab File: BM023712.D

Acq: 14 Nov 2019 00:19

Instrument :

BNA_M

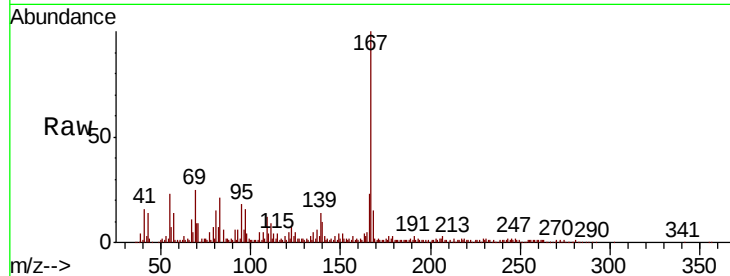
ClientSampleId :

JLMA1

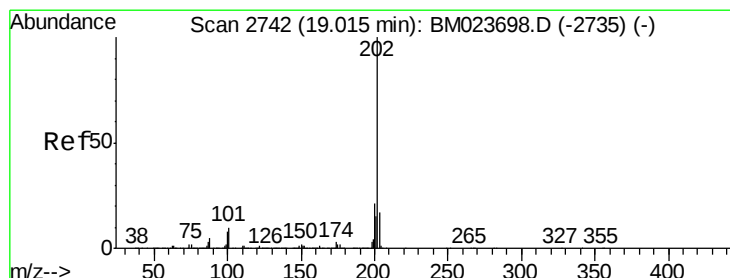
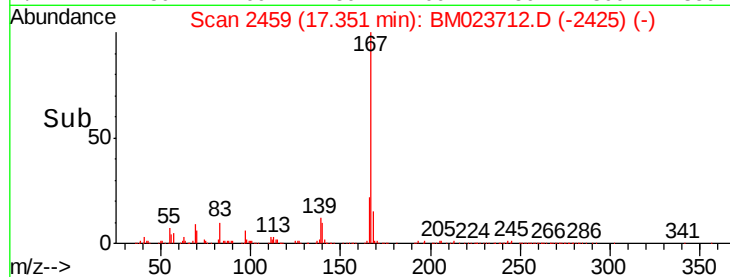
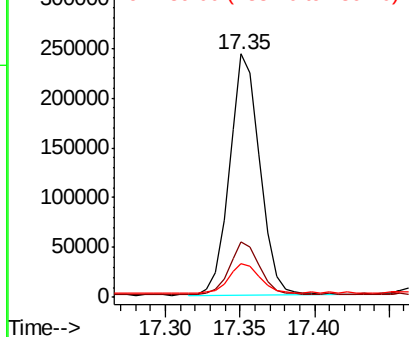
Tot Ion:	167	Resp:	342126
Ion Ratio	Lower	Upper	
167	100		
166	22.6	17.1	25.7
139	14.1	9.8	14.6

Manual Integrations
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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



#77

Fluoranthene

Concen: 13.025 ng/ul

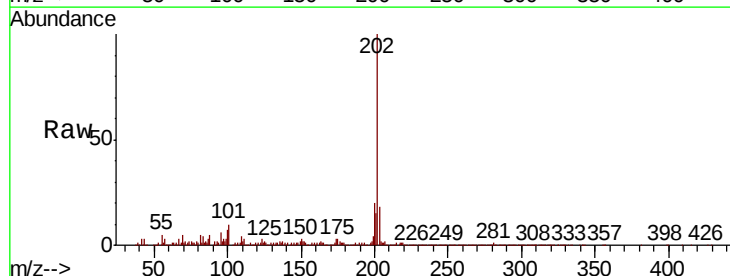
RT: 19.02 min Scan# 2742

Delta R.T. 0.00 min

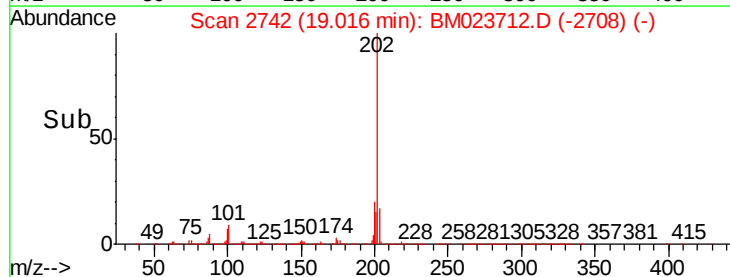
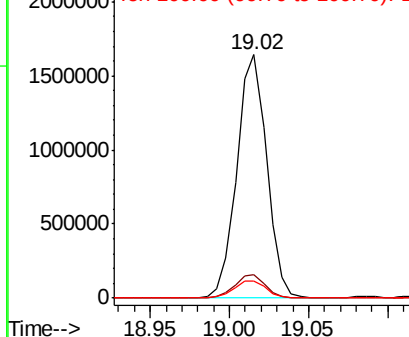
Lab File: BM023712.D

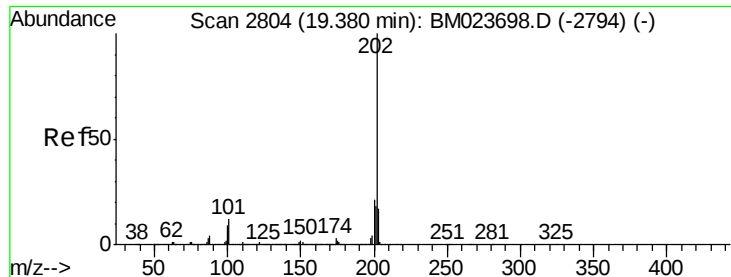
Acq: 14 Nov 2019 00:19

Tgt Ion:	202	Resp:	2134657
Ion Ratio	Lower	Upper	
202	100		
101	9.5	7.7	11.5
100	7.2	6.0	9.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): E





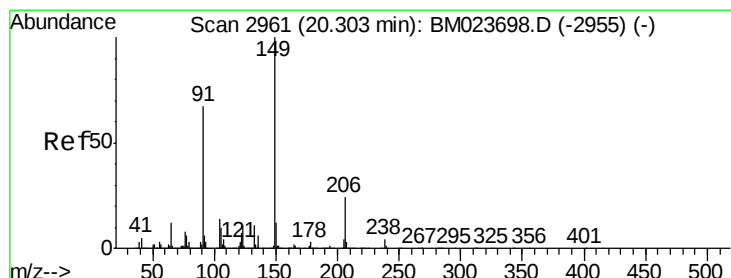
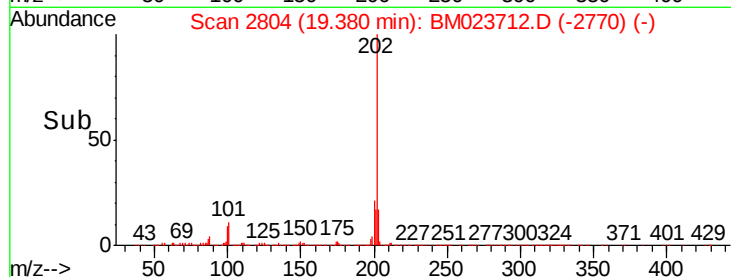
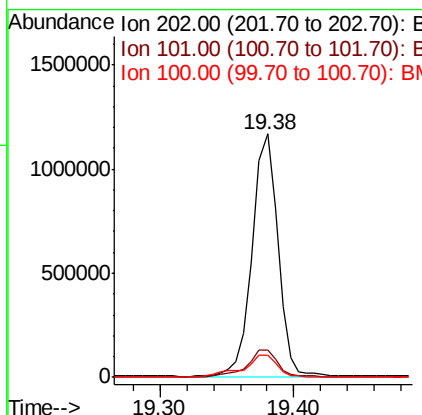
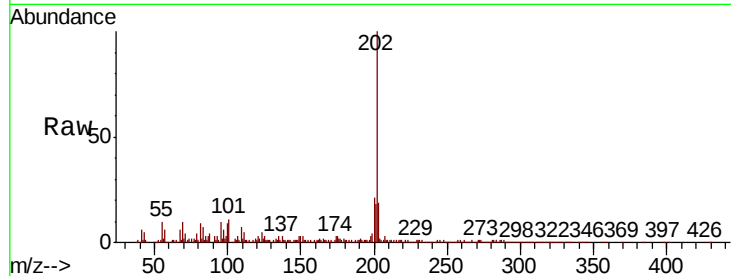
#80
Pvrene
Concen: 11.534 ng/ul
RT: 19.38 min Scan# 2804
Delta R.T. 0.00 min
Lab File: BM023712.D
Acq: 14 Nov 2019 00:19

Instrument :
BNA_M
ClientSampleId :
JLMA1

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.8	14.6
100	9.2	8.1	12.1

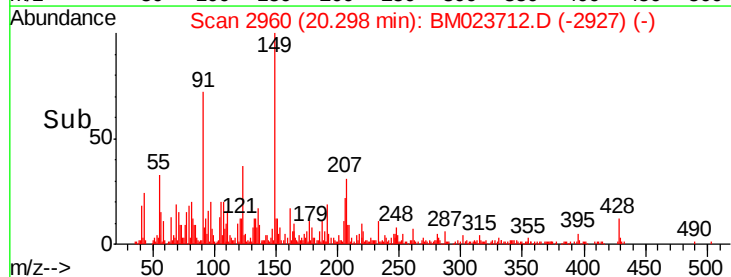
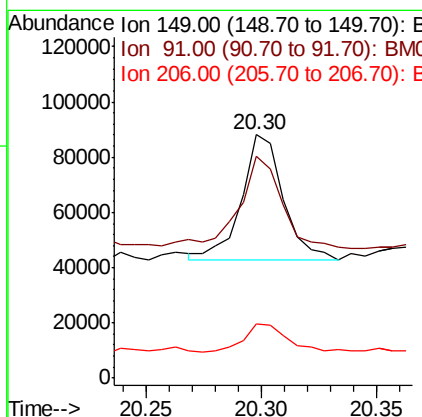
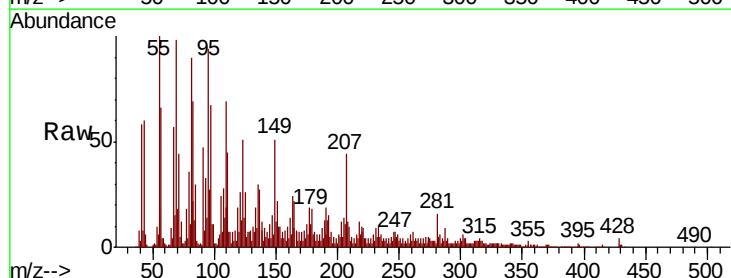
Manual Integrations
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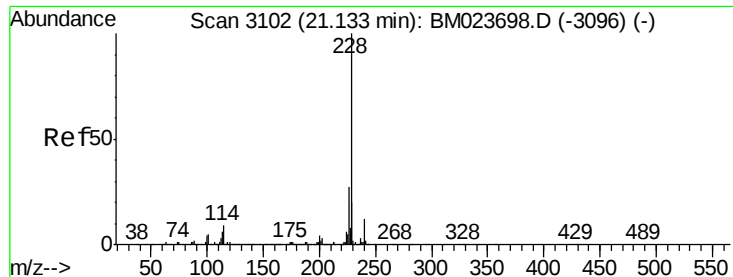
mohammad
11/14/2019 6:59:47 AM



#81
Butylbenzylphthalate
Concen: 1.359 ng/ul
RT: 20.30 min Scan# 2960
Delta R.T. -0.01 min
Lab File: BM023712.D
Acq: 14 Nov 2019 00:19

Tgt Ion	Ratio	Lower	Upper
149	100		
91	91.2	54.9	82.3#
206	22.0	19.3	28.9





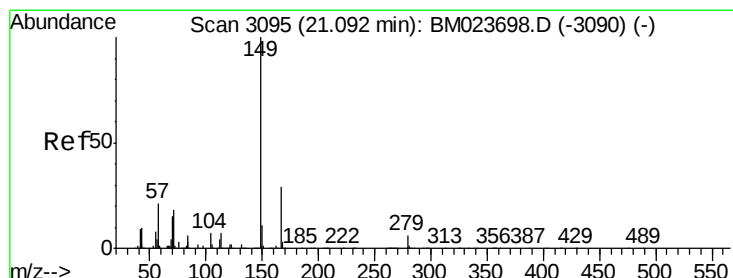
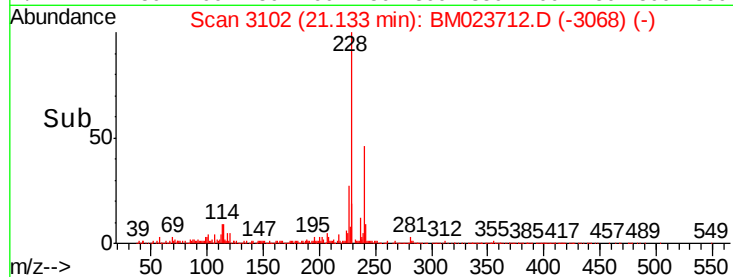
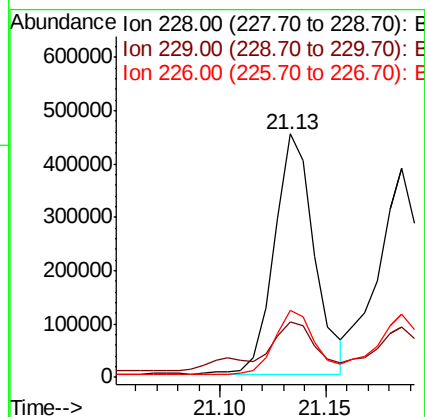
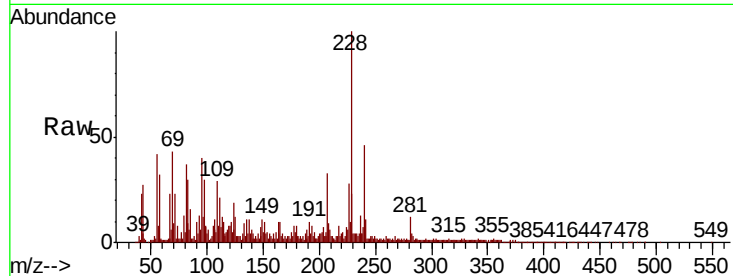
#83
Benzo(a)anthracene
Concen: 4.347 ng/ul
RT: 21.13 min Scan# 3102
Delta R.T. 0.00 min
Lab File: BM023712.D
Acq: 14 Nov 2019 00:19

Instrument :
BNA_M
ClientSampleId :
JLMA1

Tot Ion	Ratio	Lower	Upper
228	100		
229	22.9	15.6	23.4
226	27.7	21.4	32.2

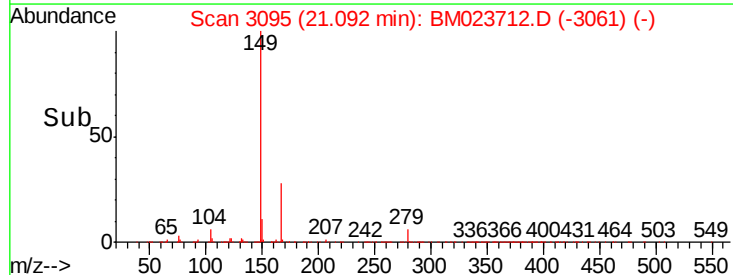
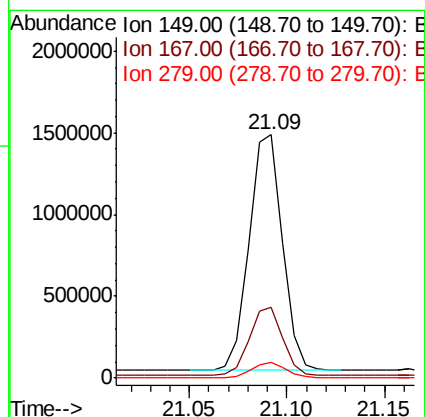
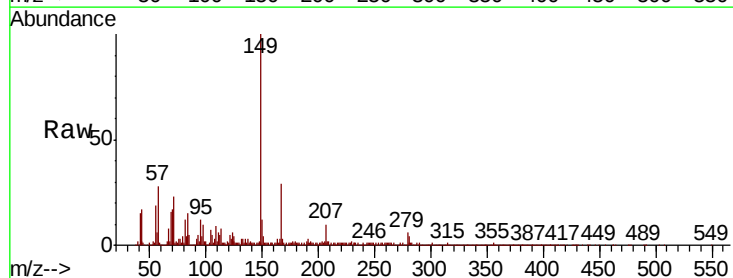
Manual Integrations
APPROVED

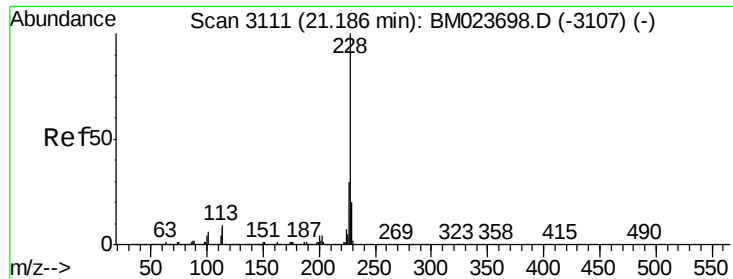
mohammad
11/14/2019 6:59:47 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 26.438 ng/ul
RT: 21.09 min Scan# 3095
Delta R.T. 0.00 min
Lab File: BM023712.D
Acq: 14 Nov 2019 00:19

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.1	23.4	35.2
279	6.5	5.0	7.4





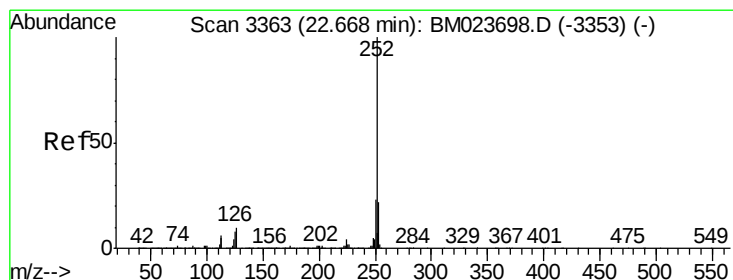
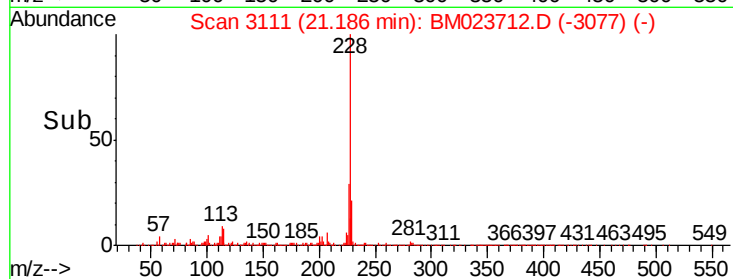
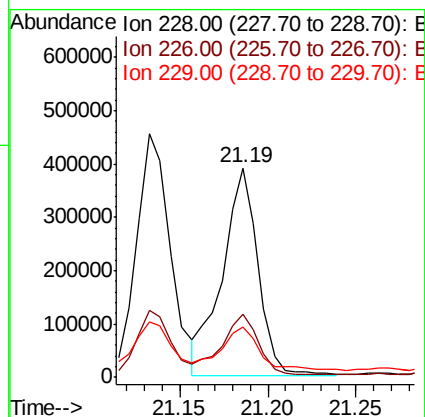
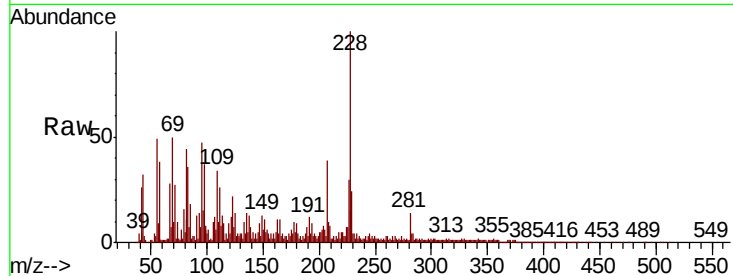
#85
Chrysene
Concen: 4.281 ng/ul m
RT: 21.19 min Scan# 3111
Delta R.T. 0.00 min
Lab File: BM023712.D
Acq: 14 Nov 2019 00:19

Instrument :
BNA_M
ClientSampleId :
JLMA1

Tot Ion:	228	Resp:	551647
Ion Ratio	Lower	Upper	
228	100		
226	30.1	23.8	35.8
229	24.2	15.8	23.6#

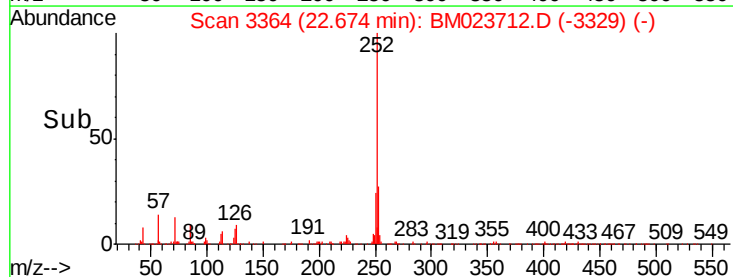
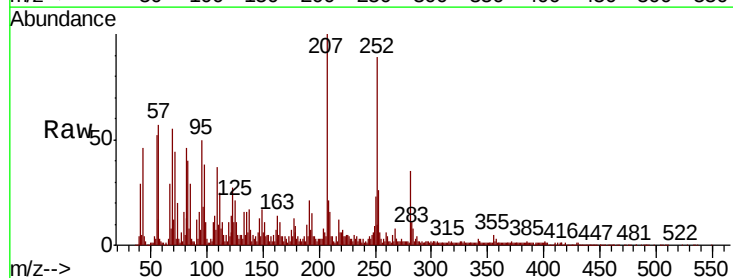
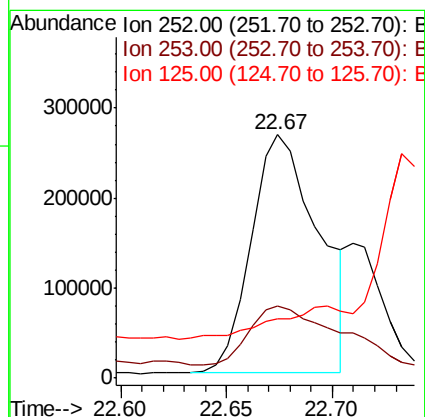
Manual Integrations
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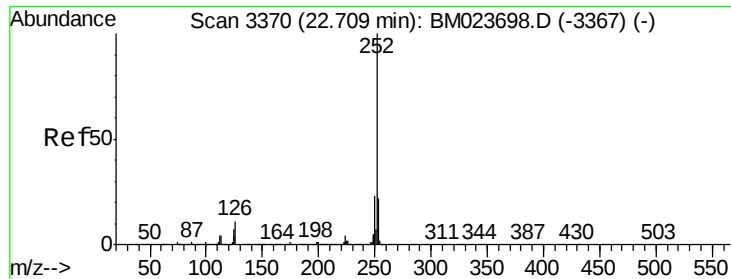
mohammad
11/14/2019 6:59:47 AM



#88
Benzo(b)fluoranthene
Concen: 4.371 ng/ul
RT: 22.67 min Scan# 3364
Delta R.T. 0.01 min
Lab File: BM023712.D
Acq: 14 Nov 2019 00:19

Tgt Ion:	252	Resp:	587111
Ion Ratio	Lower	Upper	
252	100		
253	29.8	17.8	26.8#
125	24.2	6.5	9.7#





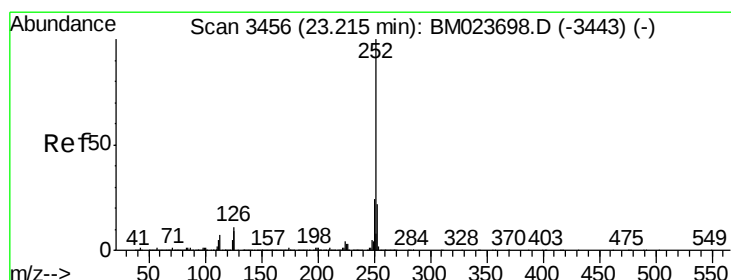
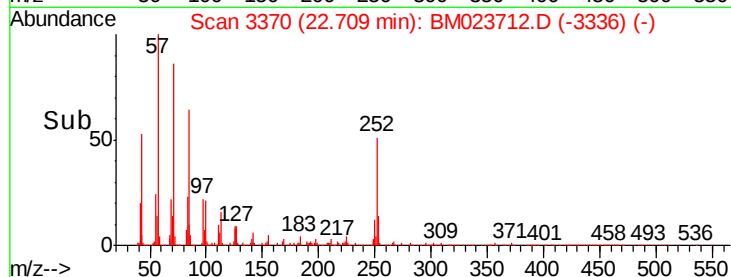
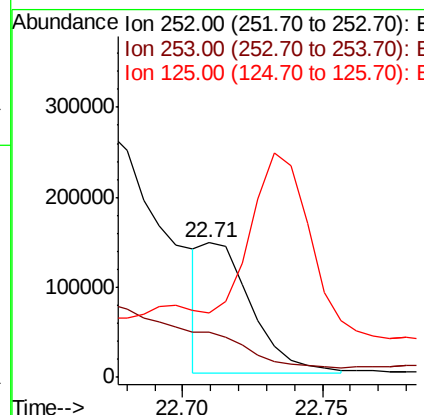
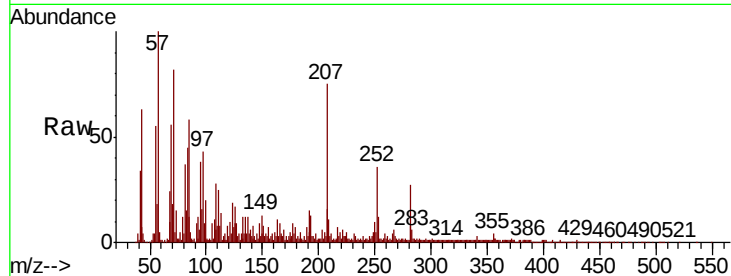
#89
Benzo(k)fluoranthene
Concen: 1.378 ng/ul m
RT: 22.71 min Scan# 3370
Delta R.T. 0.00 min
Lab File: BM023712.D
Acq: 14 Nov 2019 00:19

Instrument :
BNA_M
ClientSampleId :
JLMA1

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.3	17.2	25.8#
125	47.9	5.9	8.9#

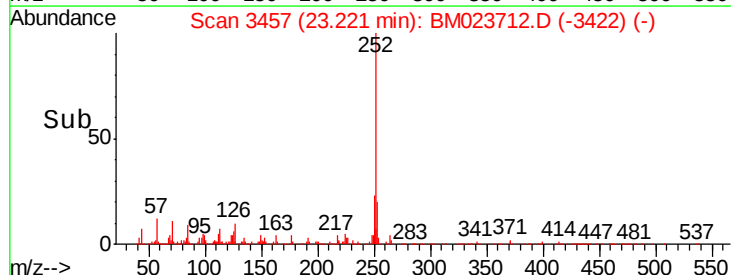
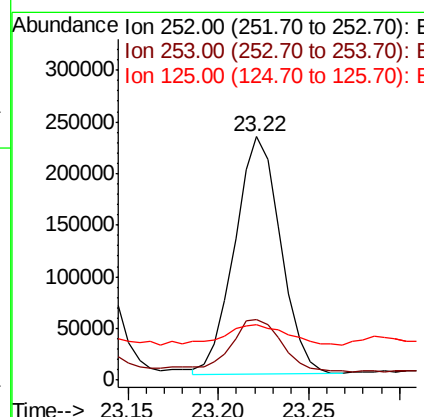
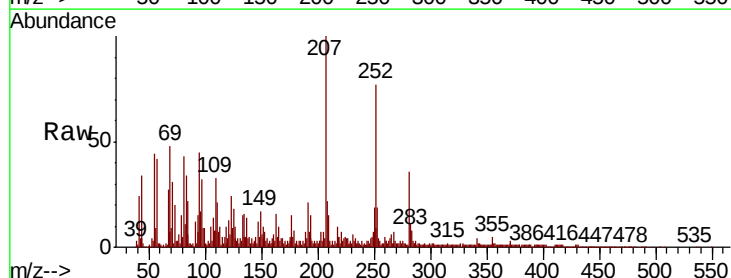
Manual Integrations
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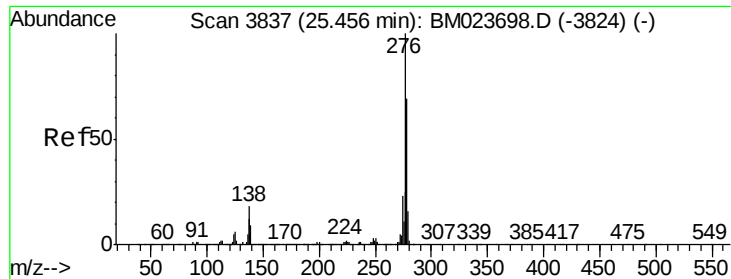
mohammad
11/14/2019 6:59:47 AM



#91
Benzo(a)pyrene
Concen: 3.291 ng/ul
RT: 23.22 min Scan# 3457
Delta R.T. 0.01 min
Lab File: BM023712.D
Acq: 14 Nov 2019 00:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.3	25.9
125	22.8	6.9	10.3#





#92

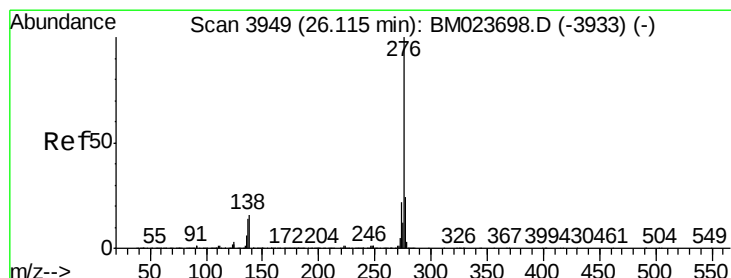
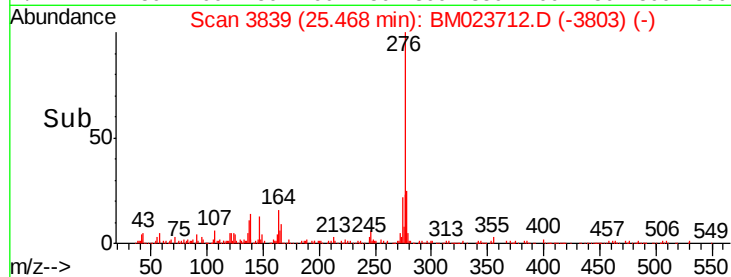
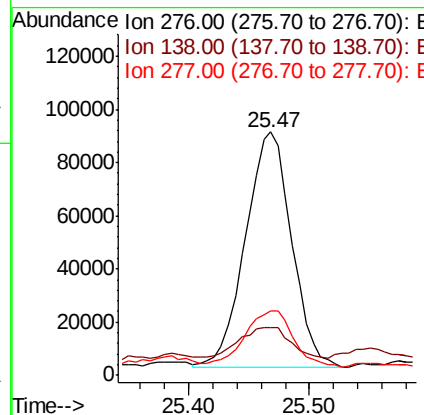
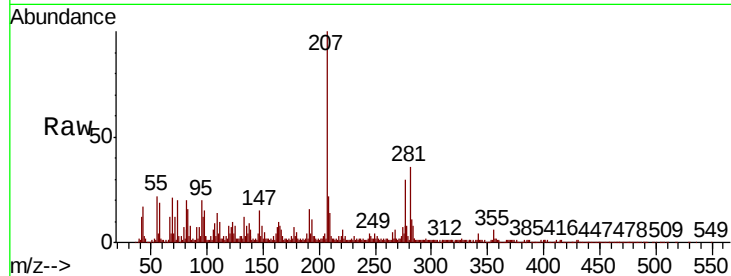
Indeno(1,2,3-cd)pyrene
Concen: 1.780 ng/ul
RT: 25.47 min Scan# 3839
Delta R.T. 0.01 min
Lab File: BM023712.D
Acq: 14 Nov 2019 00:19

Instrument :
BNA_M
ClientSampleId :
JLMA1

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.8	15.0	22.4
277	26.5	20.0	30.0

Manual Integrations
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mohammad
11/14/2019 6:59:47 AM



#94

Benzo(g,h,i)perylene
Concen: 2.054 ng/ul
RT: 26.12 min Scan# 3950
Delta R.T. 0.01 min
Lab File: BM023712.D
Acq: 14 Nov 2019 00:19

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.8	13.2	19.8#
277	26.3	18.6	28.0

