

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052119\
 Data File : BM020480.D
 Acq On : 22 May 2019 03:28
 Operator : JU/SJ
 Sample : K2923-05DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 A4252DL

Manual Integrations
 APPROVED

mohammad
 5/23/2019 8:43:39 AM

Quant Time: May 22 06:52:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 22 06:40:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	16611	20.00	ng/ul	0.00
18) Naphthalene-d8	10.51	136	64011	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.37	164	38335	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.12	188	101779	20.00	ng/ul	0.00
77) Chrysene-d12	21.32	240	122536	20.00	ng/ul	0.00
85) Perylene-d12	23.59	264	140424	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	1385	3.08	ng/uL	0.00
5) Phenol-d5	6.89	99	13714	10.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.07	67	8939	10.61	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	11589	11.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.43	113	7896	8.18	ng/ul	0.00
19) Nitrobenzene-d5	8.89	128	3988	9.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.61	143	4556	9.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	8830	9.09	ng/ul	0.01
29) 4-Chloroaniline-d4	10.68	131	6329m	6.31	ng/ul	0.02
43) Dimethylphthalate-d6	13.79	166	34691	12.58	ng/ul	0.00
46) Acenaphthylene-d8	14.06	160	40300	11.68	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.37	176	31526	12.85	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	1760	3.04	ng/ul	0.00
70) Anthracene-d10	17.22	188	56591	12.96	ng/ul	0.00
78) Pyrene-d10	19.52	212	72168	12.23	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.44	264	84489	13.24	ng/ul	0.00

Target Compounds

					Ovalue	
44) Dimethylphthalate	13.83	163	11427	4.188	ng/ul	100
49) Acenaphthene	14.43	153	6892	3.081	ng/ul#	86
53) Dibenzofuran	14.77	168	5900	1.742	ng/ul	96
58) Fluorene	15.42	166	7074	2.607	ng/ul	95
69) Phenanthrene	17.16	178	251597	51.881	ng/ul	99
71) Anthracene	17.26	178	39984	8.105	ng/ul	97
74) Carbazole	17.54	167	22408	5.352	ng/ul	98
76) Fluoranthene	19.19	202	456176	74.467	ng/ul	99
79) Pvrene	19.55	202	369365	50.221	ng/ul	99
82) Benzo(a)anthracene	21.30	228	183105	24.827	ng/ul	99
84) Chrysene	21.35	228	174664	24.782	ng/ul	98
87) Benzo(b)fluoranthene	22.90	252	249348	31.113	ng/ul	98
88) Benzo(k)fluoranthene	22.94	252	84783m	10.770	ng/ul	
90) Benzo(a)pyrene	23.49	252	151754	20.121	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.89	276	117576	13.681	ng/ul#	94
92) Dibenzo(a,h)anthracene	25.89	278	28460	3.872	ng/ul#	90
93) Benzo(g,h,i)perylene	26.60	276	96588	13.577	ng/ul	100

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

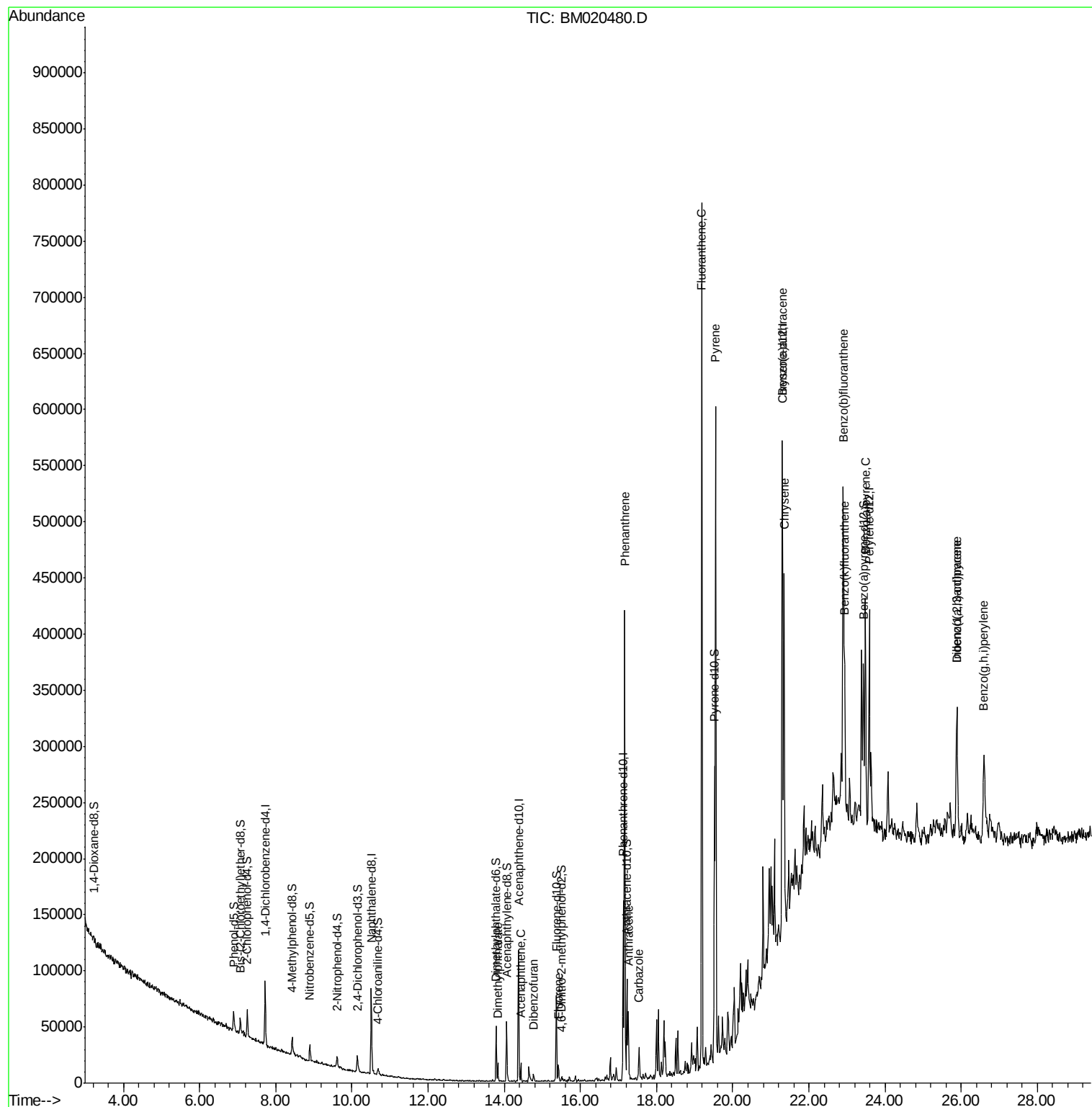
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052119\
Data File : BM020480.D
Acq On : 22 May 2019 03:28
Operator : JU/SJ
Sample : K2923-05DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

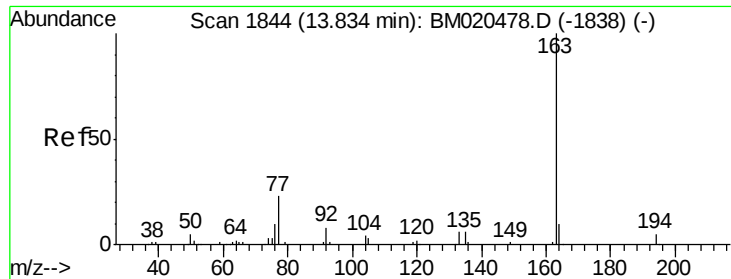
Instrument :
BNA_M
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A4252DL

Quant Time: May 22 06:52:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
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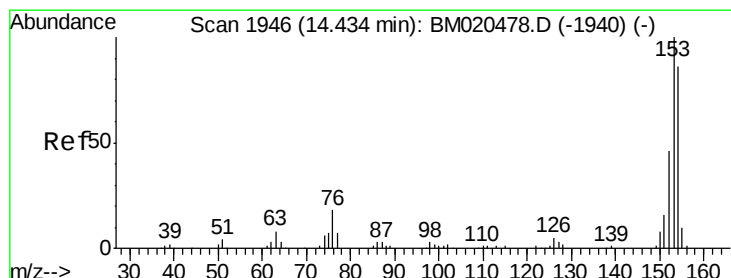
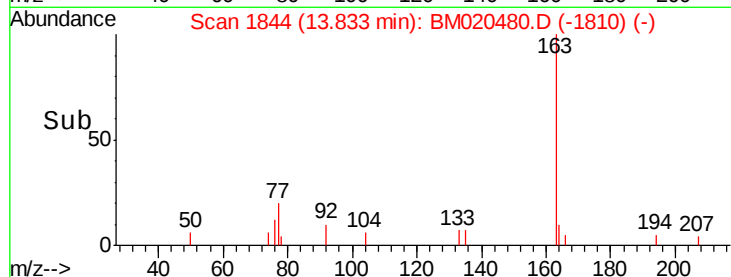
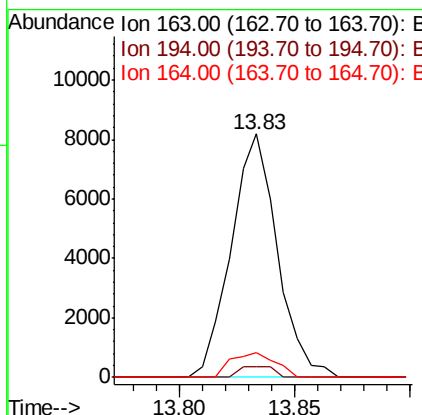
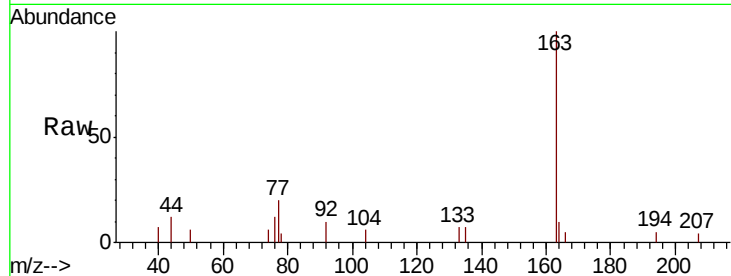
#44
Dimethylphthalate
Concen: 4.188 ng/ul
RT: 13.83 min Scan# 1844
Delta R.T. -0.00 min
Lab File: BM020480.D
Acq: 22 May 2019 03:28

Instrument :
BNA_M
ClientSampleID :
A4252DL

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.3	4.9
164	10.0	8.0	12.0

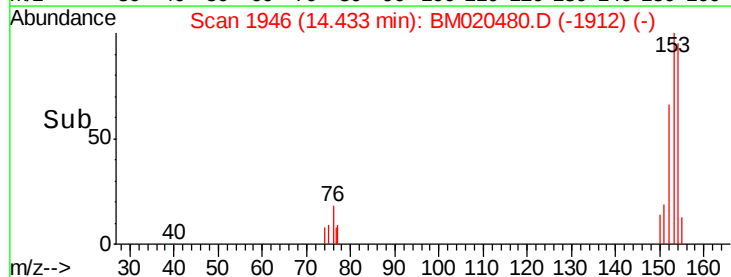
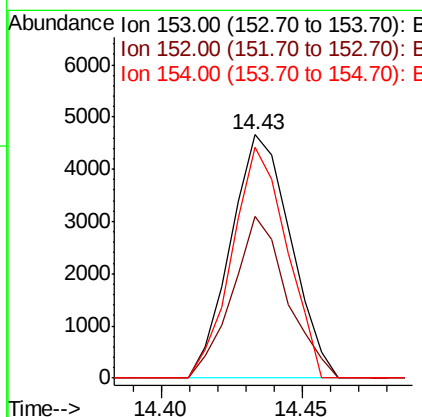
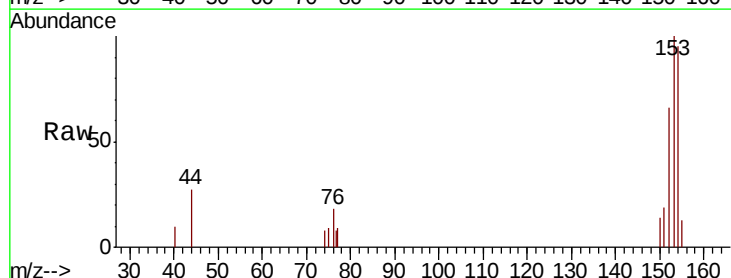
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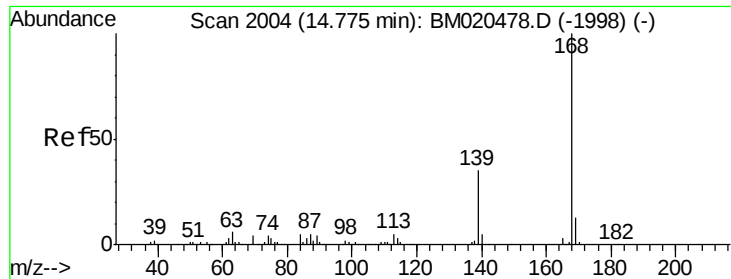
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#49
Acenaphthene
Concen: 3.081 ng/ul
RT: 14.43 min Scan# 1946
Delta R.T. -0.00 min
Lab File: BM020480.D
Acq: 22 May 2019 03:28

Tgt Ion	Ratio	Lower	Upper
153	100		
152	66.2	37.9	56.9#
154	95.0	71.2	106.8





#53

Dibenzenofuran

Concen: 1.742 ng/ul

RT: 14.77 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BM020480.D

Acq: 22 May 2019 03:28

Instrument :

BNA_M

ClientSampleId :

A4252DL

Tot Ion:168 Resp: 5900

Ion Ratio Lower Upper

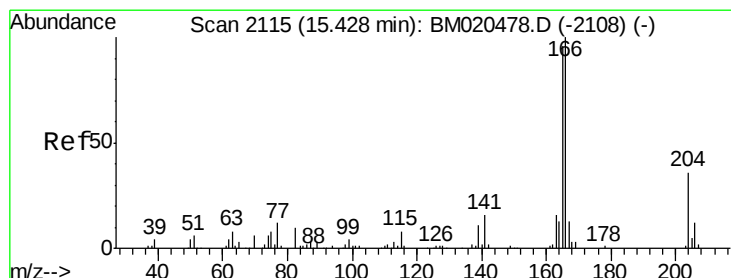
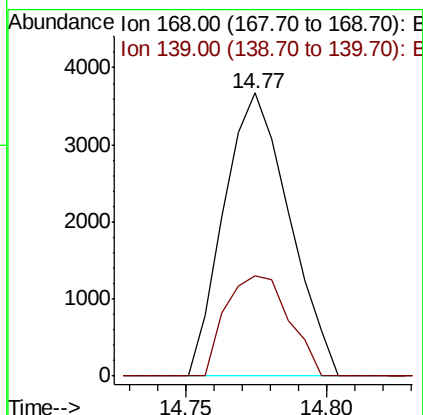
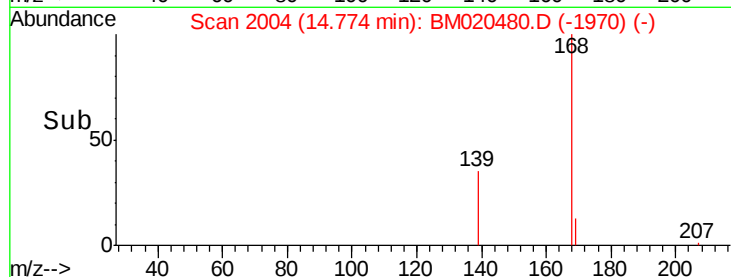
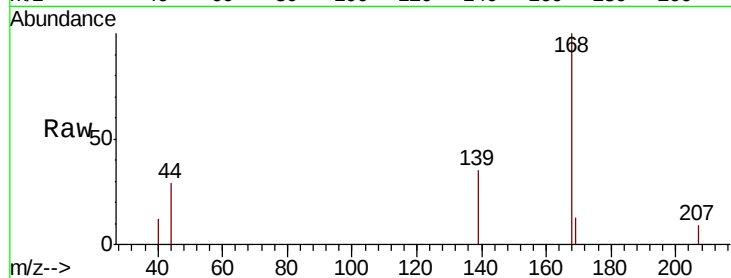
168 100

139 35.3 30.1 45.1

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#58

Fluorene

Concen: 2.607 ng/ul

RT: 15.42 min Scan# 2114

Delta R.T. -0.01 min

Lab File: BM020480.D

Acq: 22 May 2019 03:28

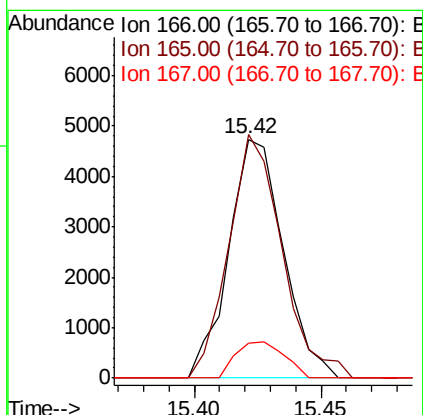
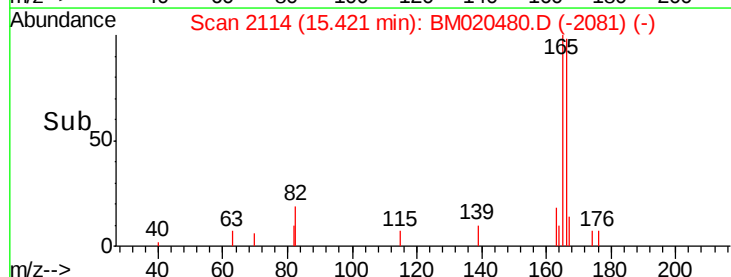
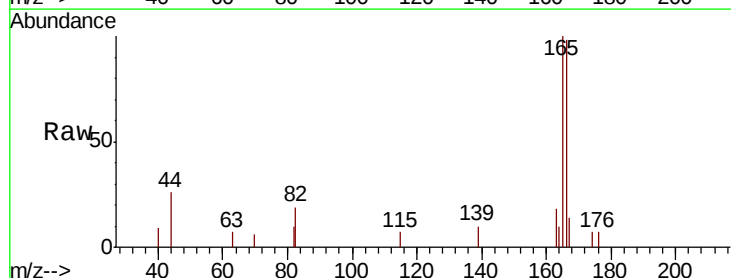
Tgt Ion:166 Resp: 7074

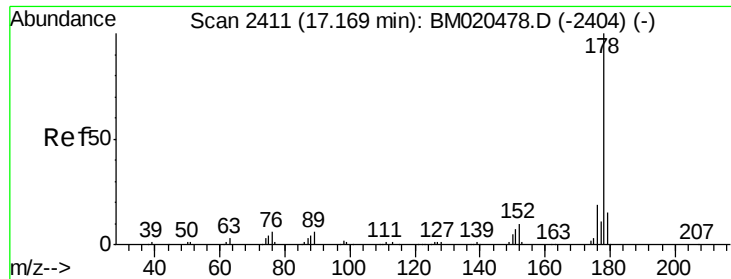
Ion Ratio Lower Upper

166 100

165 101.9 77.1 115.7

167 14.6 11.1 16.7





#69

Phenanthrene

Concen: 51.881 ng/ul

RT: 17.16 min Scan# 2410

Delta R.T. -0.01 min

Lab File: BM020480.D

Acq: 22 May 2019 03:28

Instrument :

BNA_M

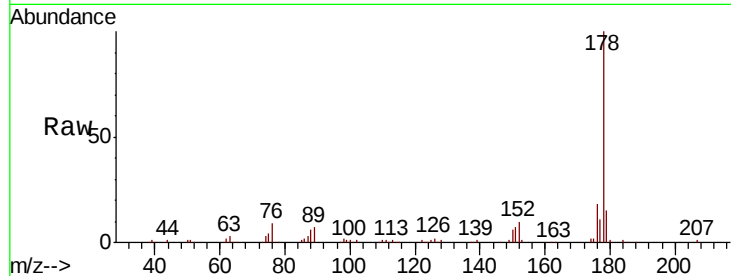
ClientSampleId :

A4252DL

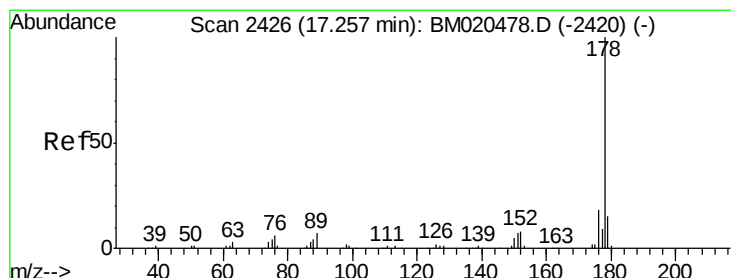
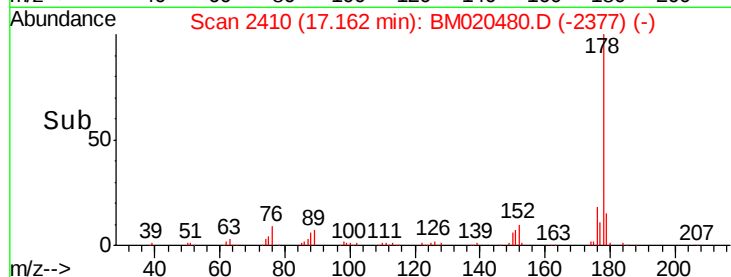
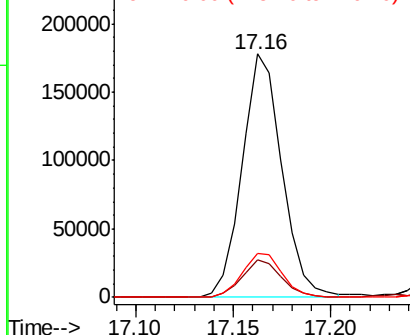
Tot Ion:178	Resp:	251597
Ion Ratio	Lower	Upper
178	100	
179	15.5	11.9 17.9
176	17.9	14.6 22.0

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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



#71

Anthracene

Concen: 8.105 ng/ul

RT: 17.26 min Scan# 2426

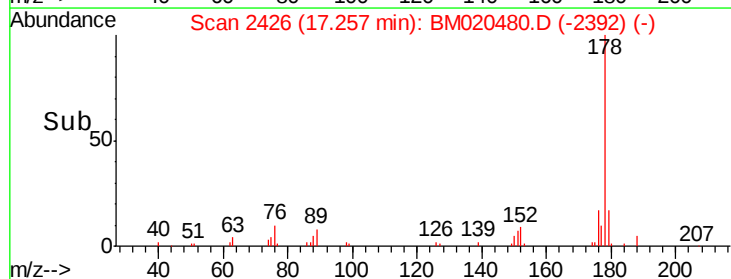
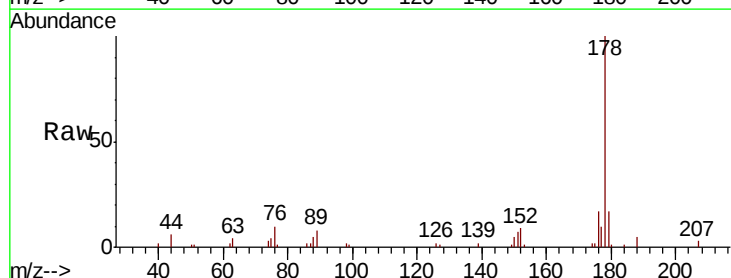
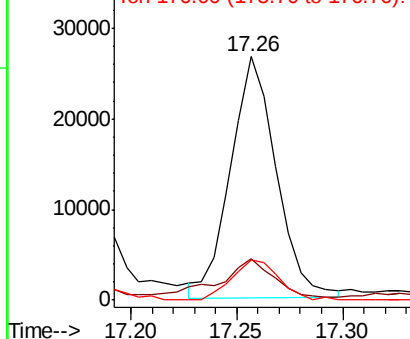
Delta R.T. -0.00 min

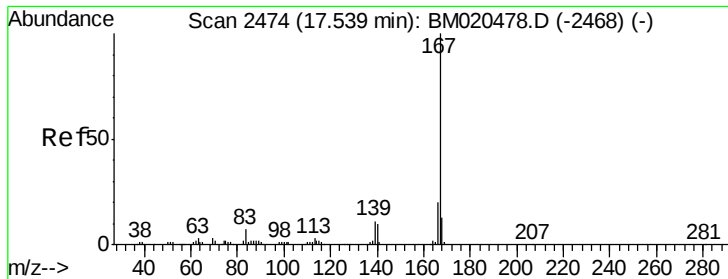
Lab File: BM020480.D

Acq: 22 May 2019 03:28

Tgt Ion:178	Resp:	39984
Ion Ratio	Lower	Upper
178	100	
179	16.8	12.4 18.6
176	16.6	14.4 21.6

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: 5.352 ng/ul

RT: 17.54 min Scan# 2474

Delta R.T. -0.00 min

Lab File: BM020480.D

Acq: 22 May 2019 03:28

Instrument :

BNA_M

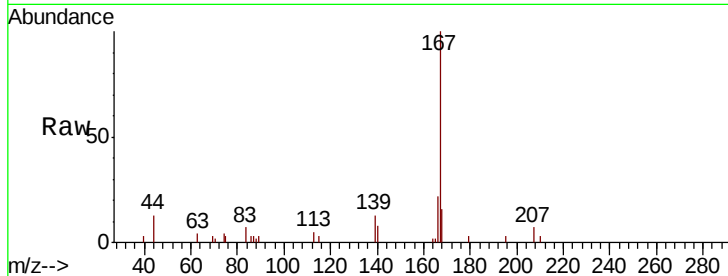
ClientSampleId :

A4252DL

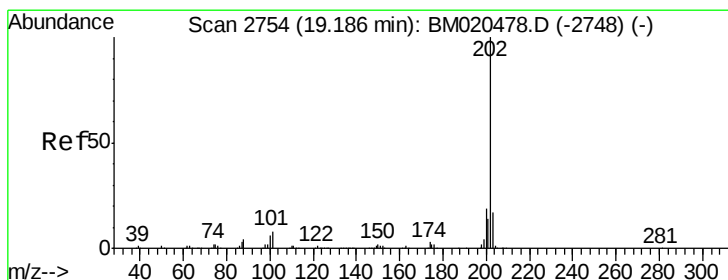
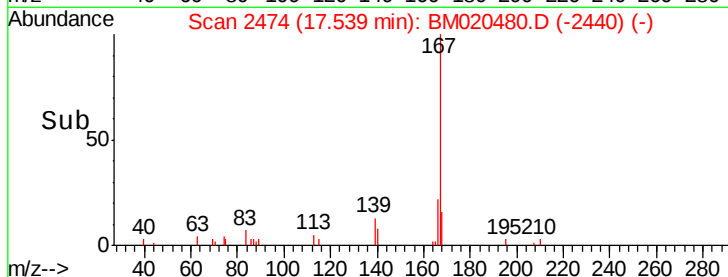
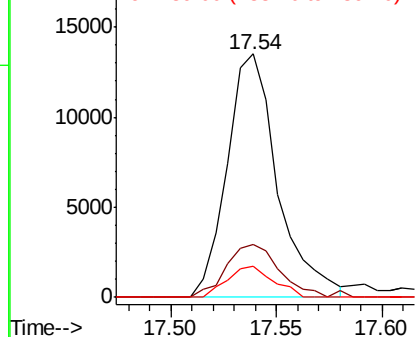
Tot Ion:	167	Resp:	22408
Ion Ratio	Lower	Upper	
167	100		
166	21.9	16.6	24.8
139	13.0	9.8	14.8

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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



#76

Fluoranthene

Concen: 74.467 ng/ul

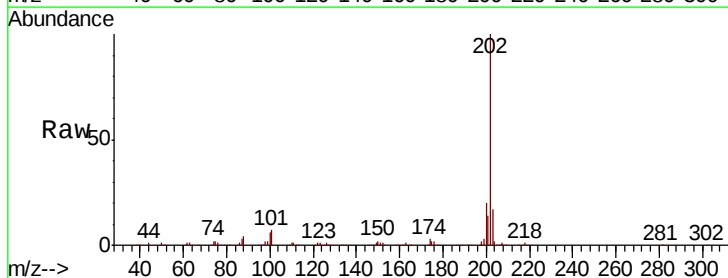
RT: 19.19 min Scan# 2754

Delta R.T. -0.00 min

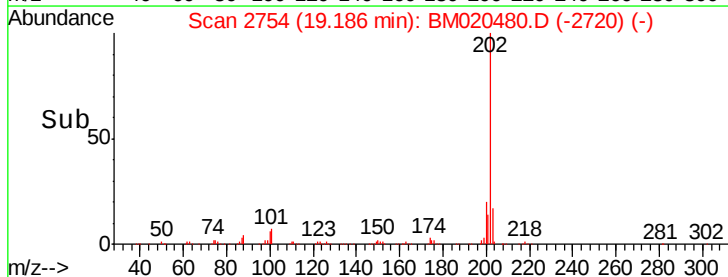
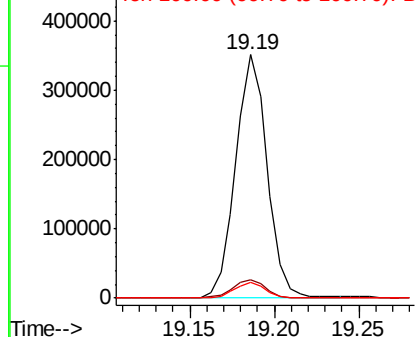
Lab File: BM020480.D

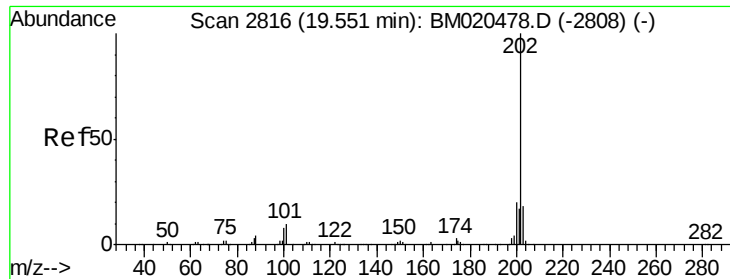
Acq: 22 May 2019 03:28

Tgt Ion:	202	Resp:	456176
Ion Ratio	Lower	Upper	
202	100		
101	7.4	6.4	9.6
100	6.4	5.2	7.8



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





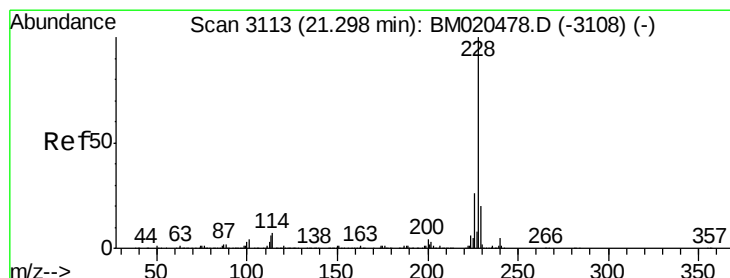
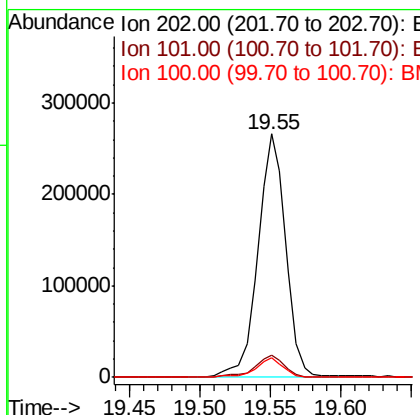
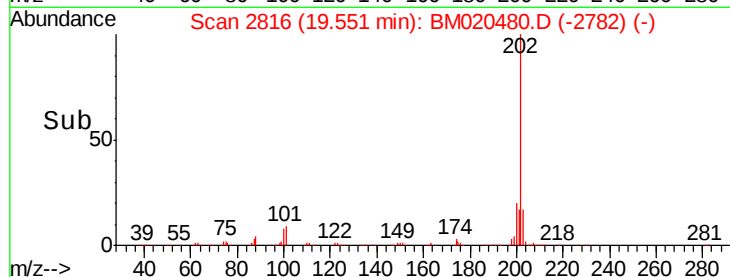
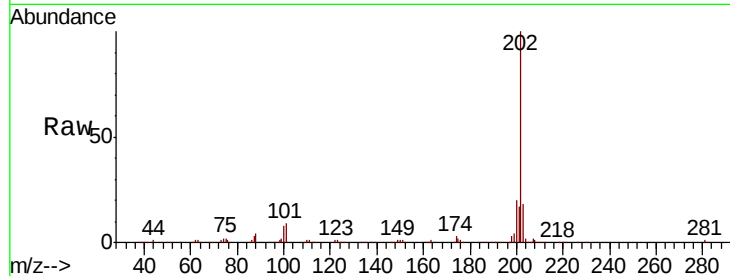
#79
Pvrene
Concen: 50.221 ng/ul
RT: 19.55 min Scan# 2816
Delta R.T. -0.00 min
Lab File: BM020480.D
Acq: 22 May 2019 03:28

Instrument :
BNA_M
ClientSampleId :
A4252DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.9	7.1	10.7
100	8.3	5.9	8.9

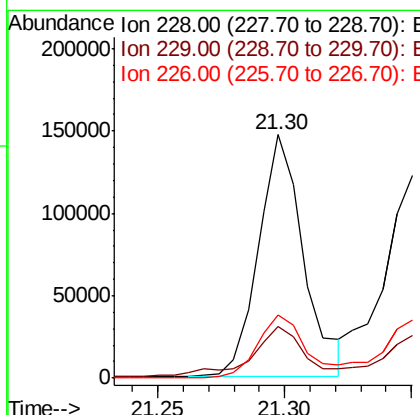
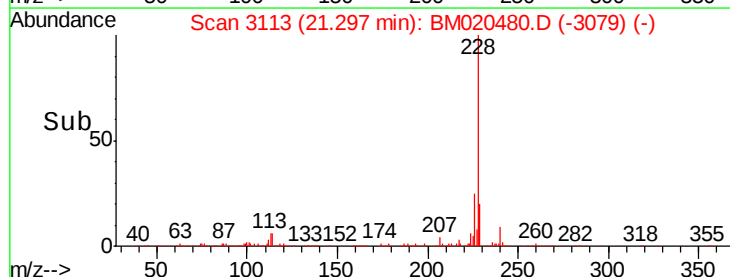
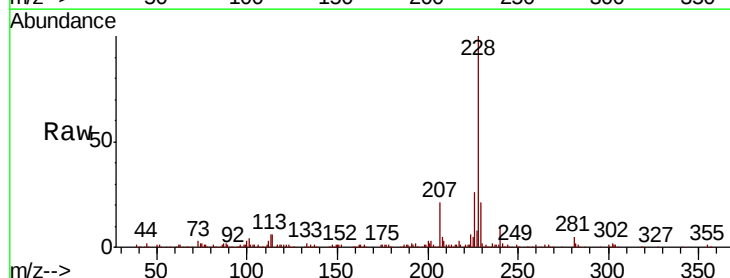
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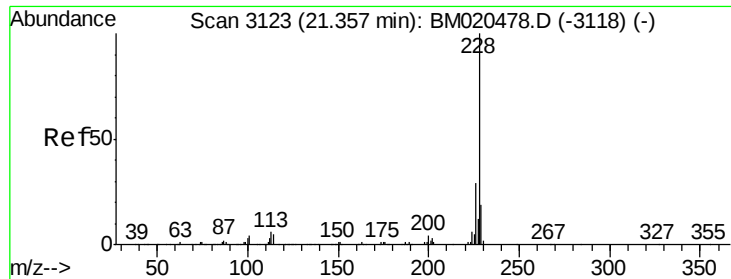
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#82
Benzo(a)anthracene
Concen: 24.827 ng/ul
RT: 21.30 min Scan# 3113
Delta R.T. -0.00 min
Lab File: BM020480.D
Acq: 22 May 2019 03:28

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	20.9	15.8	23.8
226	25.8	20.6	30.8





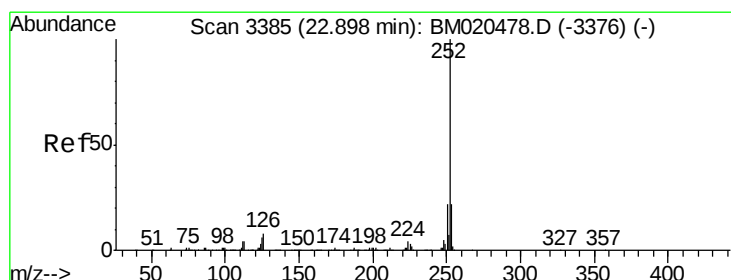
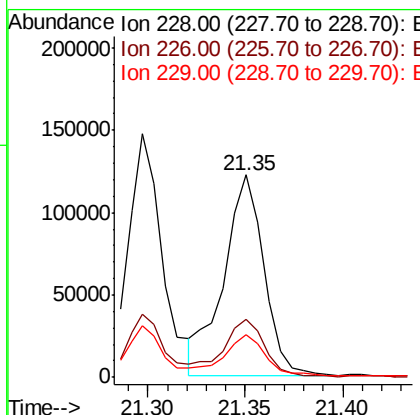
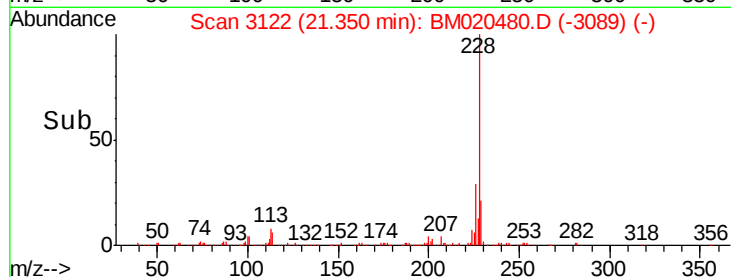
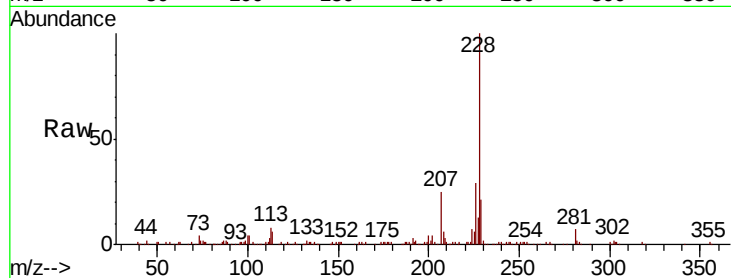
#84
Chrysene
Concen: 24.782 ng/ul
RT: 21.35 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BM020480.D
Acq: 22 May 2019 03:28

Instrument :
BNA_M
ClientSampleId :
A4252DL

Tot Ion:	228	Resp:	174664
Ion Ratio	Lower	Upper	
228	100		
226	28.7	22.2	33.4
229	20.9	15.4	23.2

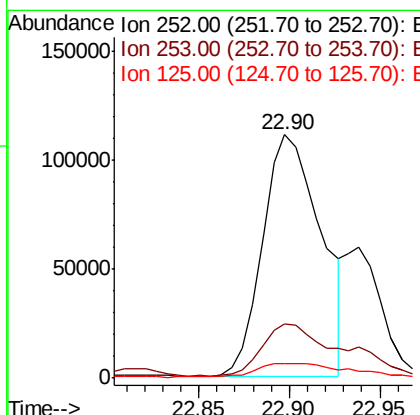
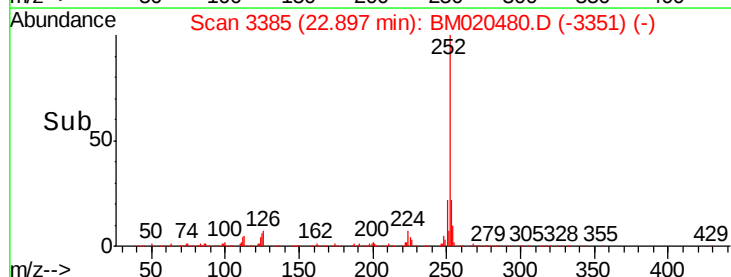
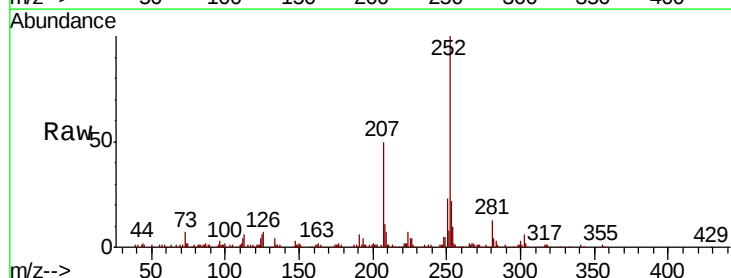
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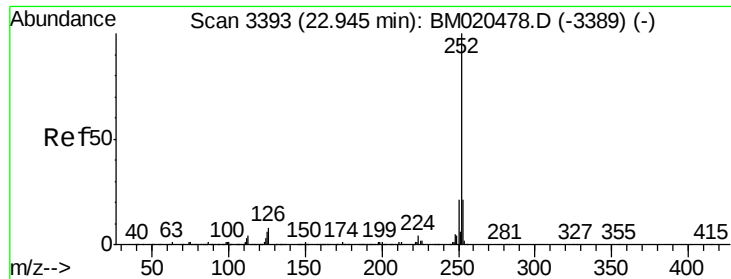
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#87
Benzo(b)fluoranthene
Concen: 31.113 ng/ul
RT: 22.90 min Scan# 3385
Delta R.T. -0.00 min
Lab File: BM020480.D
Acq: 22 May 2019 03:28

Tgt Ion:	252	Resp:	249348
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.0	25.6
125	6.2	5.0	7.4





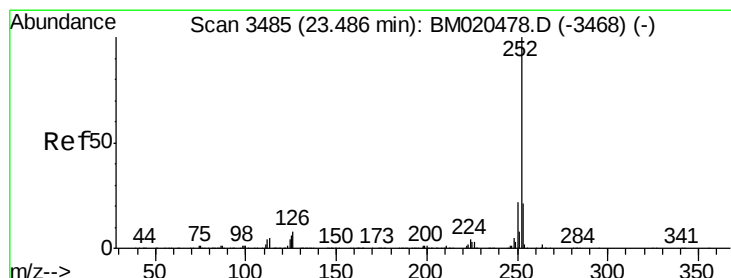
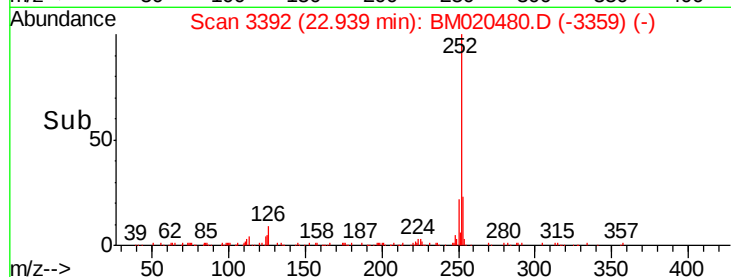
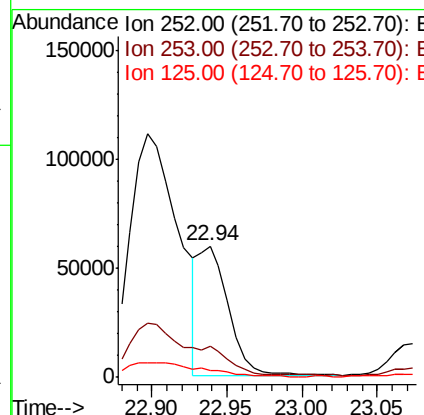
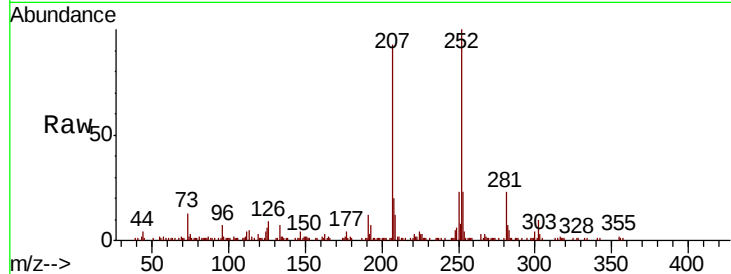
#88
Benzo(k)fluoranthene
Concen: 10.770 ng/ul m
RT: 22.94 min Scan# 3392
Delta R.T. -0.01 min
Lab File: BM020480.D
Acq: 22 May 2019 03:28

Instrument :
BNA_M
ClientSampleID :
A4252DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	5.5	5.0	7.6

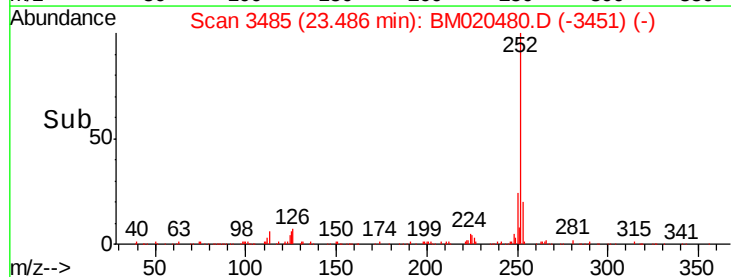
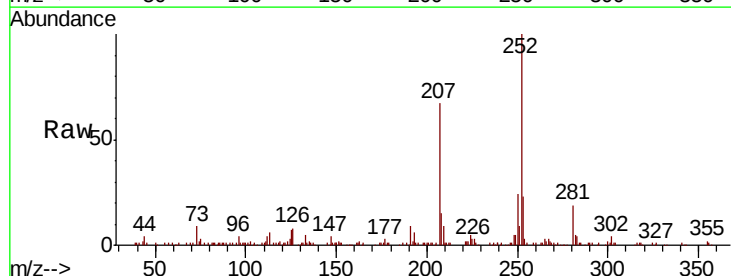
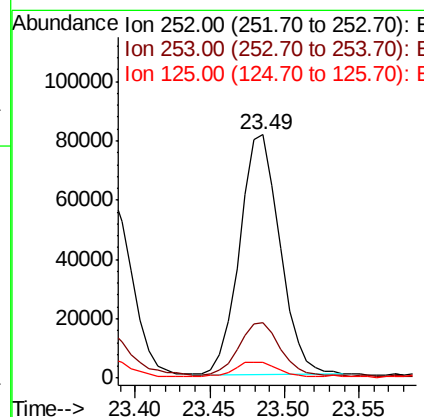
Manual Integrations
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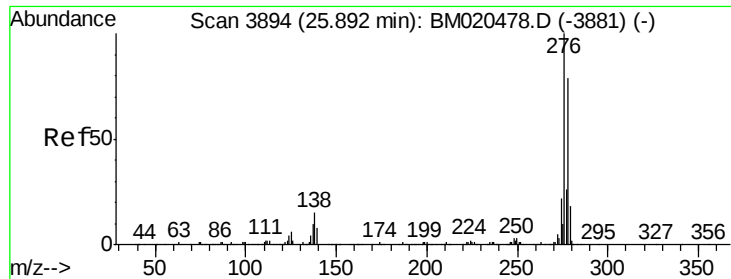
mohammad
5/23/2019 8:43:39 AM



#90
Benzo(a)pyrene
Concen: 20.121 ng/ul
RT: 23.49 min Scan# 3485
Delta R.T. -0.00 min
Lab File: BM020480.D
Acq: 22 May 2019 03:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	6.6	5.4	8.2





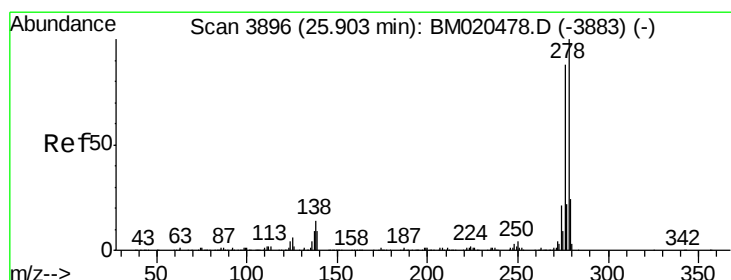
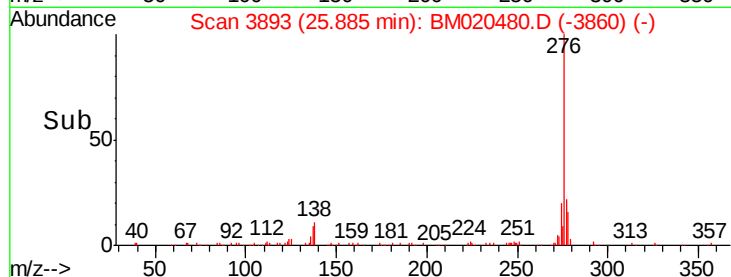
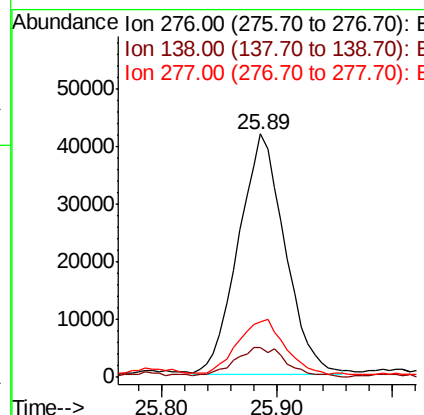
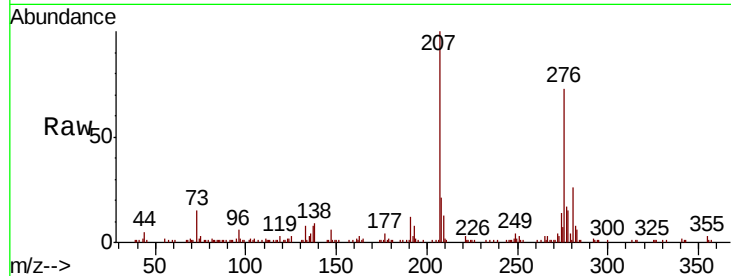
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 13.681 ng/ul
 RT: 25.89 min Scan# 3893
 Delta R.T. -0.01 min
 Lab File: BM020480.D
 Acq: 22 May 2019 03:28

Instrument :
 BNA_M
 ClientSampleID :
 A4252DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.3	12.3	18.5#
277	22.6	20.0	30.0

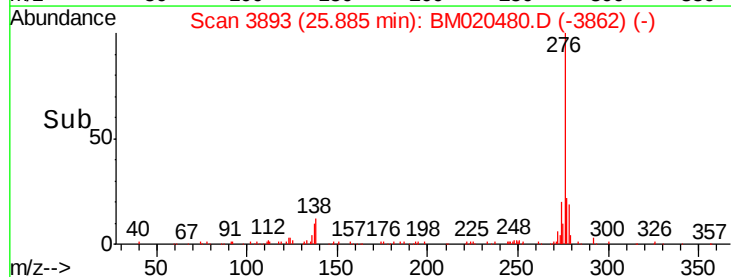
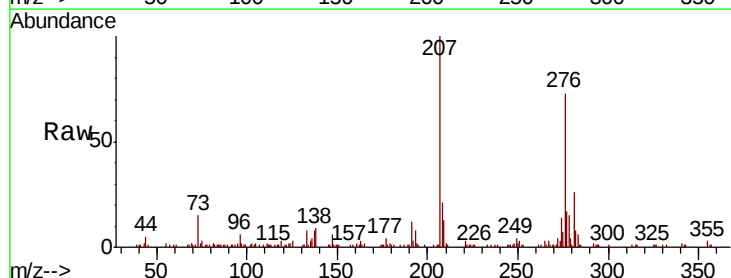
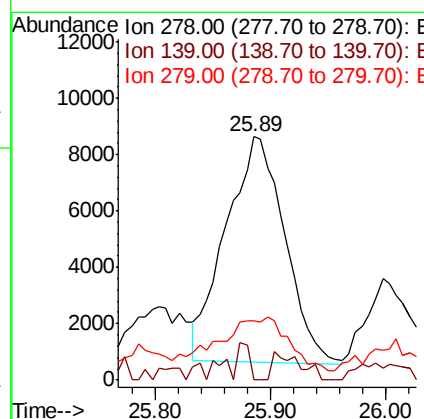
Manual Integrations
 APPROVED

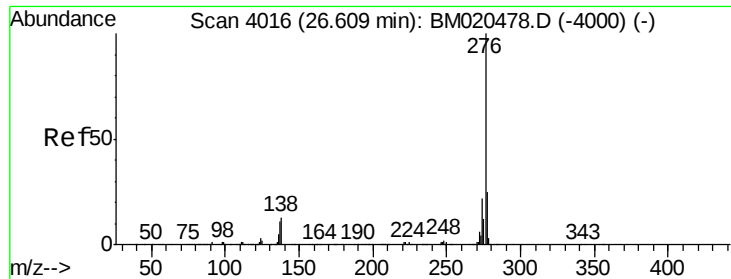
mohammad
 5/23/2019 8:43:39 AM



#92
 Dibenzo(a,h)anthracene
 Concen: 3.872 ng/ul
 RT: 25.89 min Scan# 3893
 Delta R.T. -0.02 min
 Lab File: BM020480.D
 Acq: 22 May 2019 03:28

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	8.1	12.1#
279	24.4	18.7	28.1





#93
 Benzo(a,h,i)perylene
 Concen: 13.577 ng/ul
 RT: 26.60 min Scan# 4014
 Delta R.T. -0.01 min
 Lab File: BM020480.D
 Acq: 22 May 2019 03:28

Instrument :
 BNA_M
 ClientSampleId :
 A4252DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.6	10.0	15.0
277	23.0	18.2	27.4

Manual Integrations
 APPROVED

mohammad
 5/23/2019 8:43:39 AM

