

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052119\
 Data File : BM020479.D
 Acq On : 22 May 2019 02:52
 Operator : JU/SJ
 Sample : K2923-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4252

Manual Integrations
 APPROVED

mohammad
 5/23/2019 8:43:33 AM

Quant Time: May 22 06:47:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 22 06:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	58465	20.00	ng/ul	0.00
18) Naphthalene-d8	10.51	136	216192	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.37	164	133570	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.13	188	336646	20.00	ng/ul	0.00
77) Chrysene-d12	21.32	240	397888	20.00	ng/ul	0.00
85) Perylene-d12	23.62	264	463787	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	5362	3.38	ng/uL	0.00
5) Phenol-d5	6.89	99	72666	15.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.06	67	46359	15.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	58986	17.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.43	113	52904	15.58	ng/ul	0.00
19) Nitrobenzene-d5	8.89	128	24452	17.38	ng/ul	0.00
22) 2-Nitrophenol-d4	9.61	143	27603	17.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.13	165	57069	17.40	ng/ul	0.00
29) 4-Chloroaniline-d4	10.67	131	42457	12.53	ng/ul	0.00
43) Dimethylphthalate-d6	13.78	166	185126	19.26	ng/ul	0.00
46) Acenaphthylene-d8	14.06	160	225332	18.74	ng/ul	0.00
51) 4-Nitrophenol-d4	14.60	143	11428	8.19	ng/ul	0.00
57) Fluorene-d10	15.37	176	171633	20.08	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	18743	9.77	ng/ul	0.00
70) Anthracene-d10	17.22	188	283760	19.65	ng/ul	0.00
78) Pyrene-d10	19.52	212	357401	18.65	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.47	264	410943	19.50	ng/ul	0.03

Target Compounds

					Ovalue
28) Naphthalene	10.56	128	11558	1.164	ng/ul 97
44) Dimethylphthalate	13.83	163	58665	6.171	ng/ul 100
49) Acenaphthene	14.43	153	35730	4.585	ng/ul 98
53) Dibenzofuran	14.77	168	33950	2.877	ng/ul 100
58) Fluorene	15.42	166	38596	4.083	ng/ul 99
69) Phenanthrene	17.17	178	1258354	78.449	ng/ul 99
71) Anthracene	17.26	178	202740	12.425	ng/ul 99
74) Carbazole	17.53	167	131006	9.459	ng/ul 99
76) Fluoranthene	19.19	202	2308812	113.947	ng/ul 99
79) Pyrene	19.56	202	1825015	76.418	ng/ul 99
82) Benzo(a)anthracene	21.30	228	949702	39.657	ng/ul 97
84) Chrysene	21.36	228	786018	34.345	ng/ul 96
87) Benzo(b)fluoranthene	22.92	252	1252056	47.302	ng/ul 98
88) Benzo(k)fluoranthene	22.95	252	397590m	15.292	ng/ul
90) Benzo(a)pyrene	23.52	252	779370	31.287	ng/ul 99
91) Indeno(1,2,3-cd)pyrene	25.99	276	577405	20.342	ng/ul# 96
92) Dibenzo(a,h)anthracene	25.99	278	99404m	4.095	ng/ul
93) Benzo(g,h,i)perylene	26.74	276	467608m	19.902	ng/ul

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

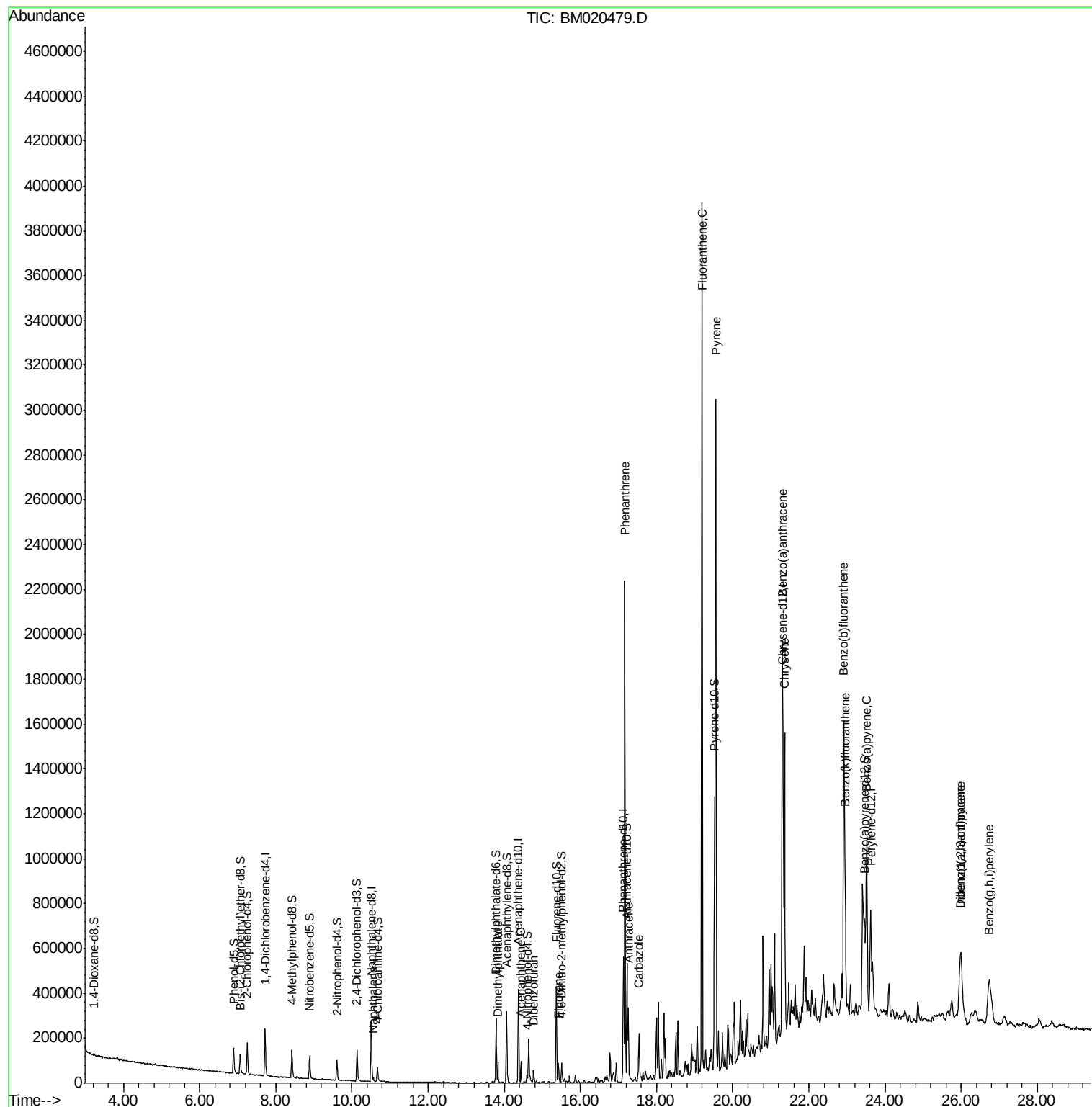
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052119\
Data File : BM020479.D
Acq On : 22 May 2019 02:52
Operator : JU/SJ
Sample : K2923-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

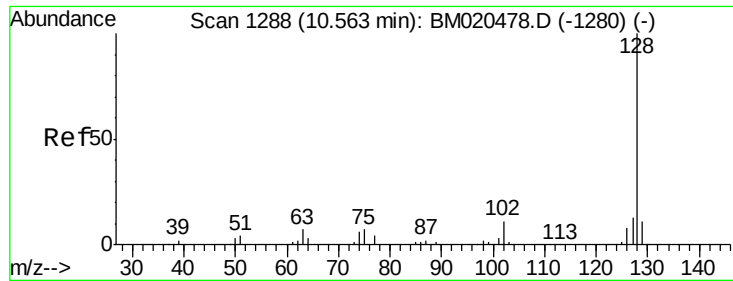
Instrument :
BNA_M
ClientSampleId :
A4252

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
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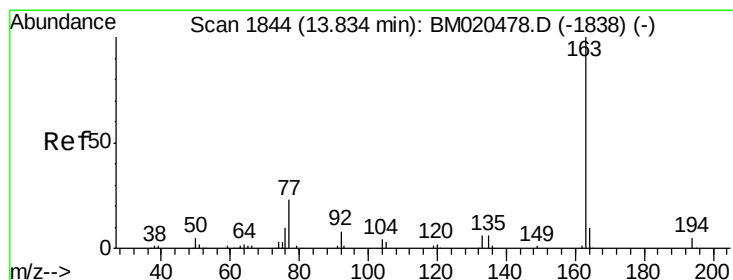
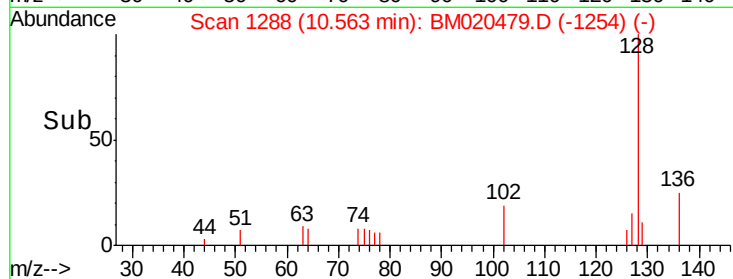
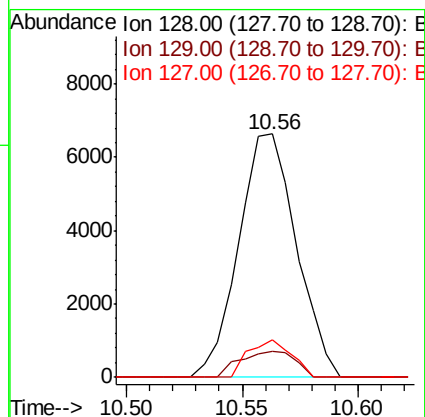
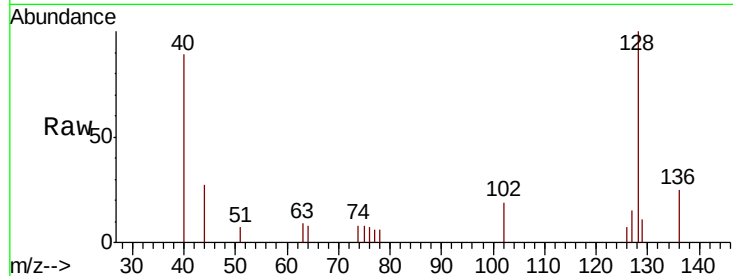
#28
Naphthalene
Concen: 1.164 ng/ul
RT: 10.56 min Scan# 1288
Delta R.T. -0.00 min
Lab File: BM020479.D
Acq: 22 May 2019 02:52

Instrument :
BNA_M
ClientSampleId :
A4252

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	13.0
127	15.2	10.6	15.8

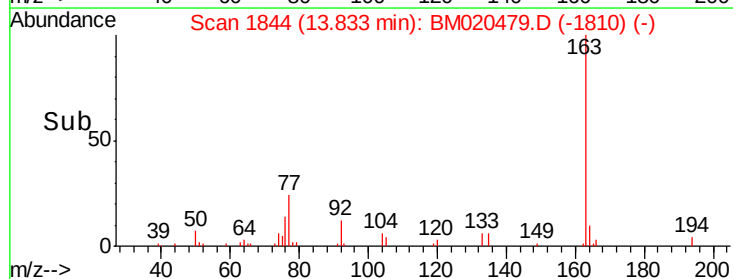
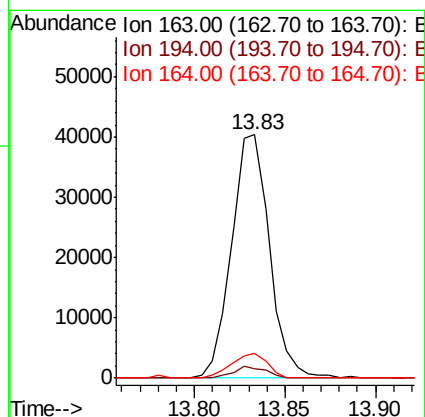
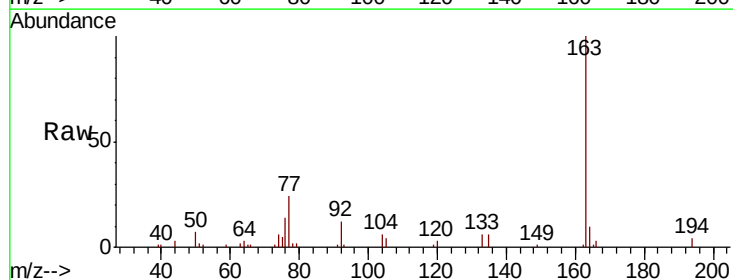
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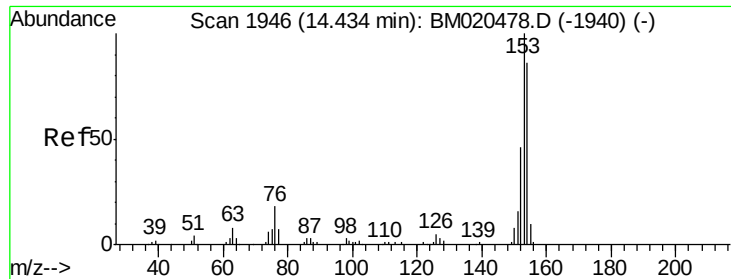
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#44
Dimethylphthalate
Concen: 6.171 ng/ul
RT: 13.83 min Scan# 1844
Delta R.T. -0.00 min
Lab File: BM020479.D
Acq: 22 May 2019 02:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.9	8.0	12.0





#49

Acenaphthene

Concen: 4.585 ng/ul

RT: 14.43 min Scan# 1946

Delta R.T. -0.00 min

Lab File: BM020479.D

Acq: 22 May 2019 02:52

Instrument :

BNA_M

ClientSampleId :

A4252

Tot Ion:153 Resp: 35730

Ion Ratio Lower Upper

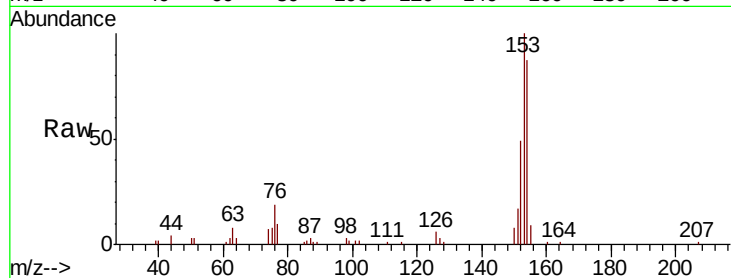
153 100

152 48.8 37.9 56.9

154 86.9 71.2 106.8

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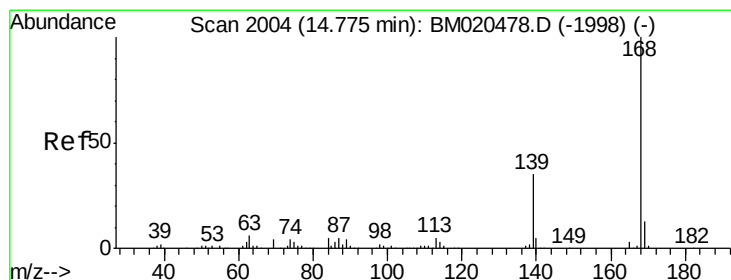
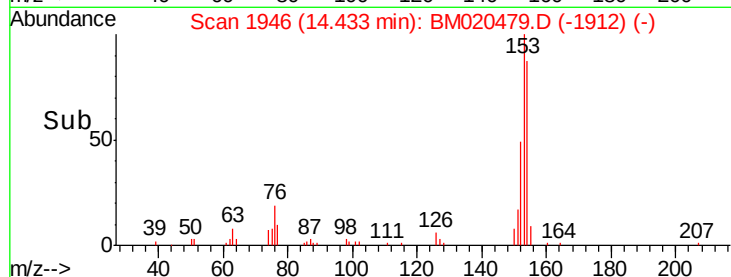
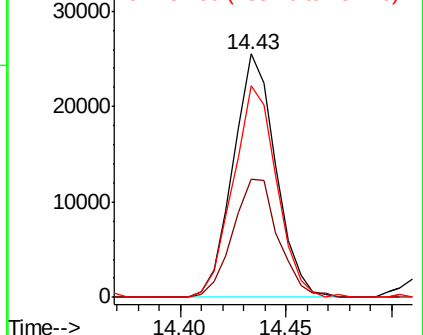
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 2.877 ng/ul

RT: 14.77 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BM020479.D

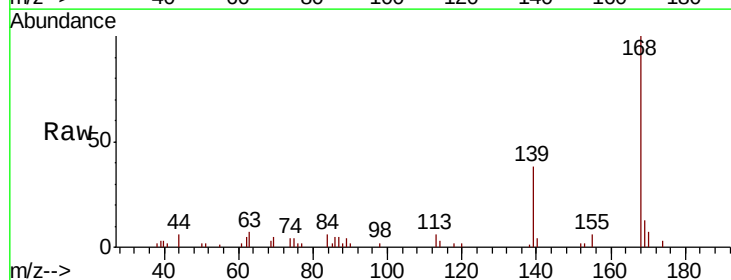
Acq: 22 May 2019 02:52

Tgt Ion:168 Resp: 33950

Ion Ratio Lower Upper

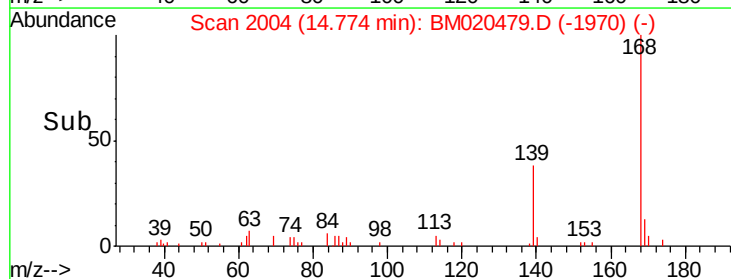
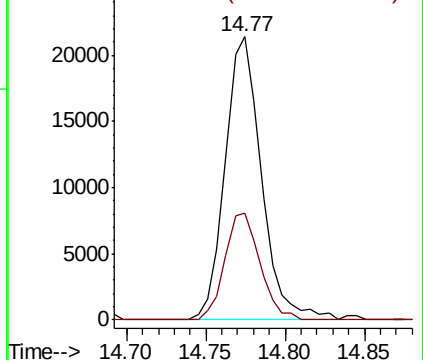
168 100

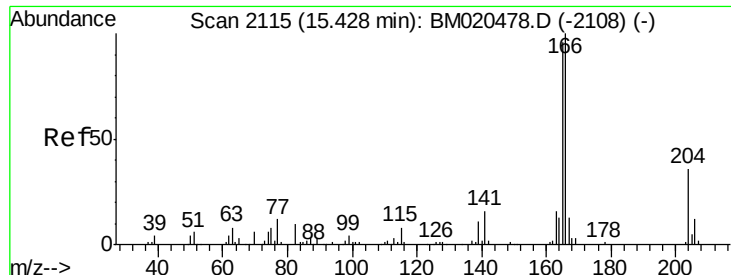
139 37.8 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





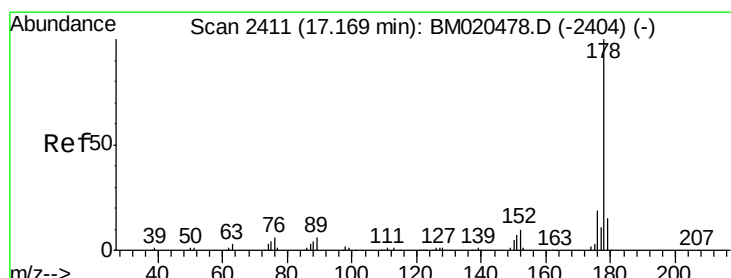
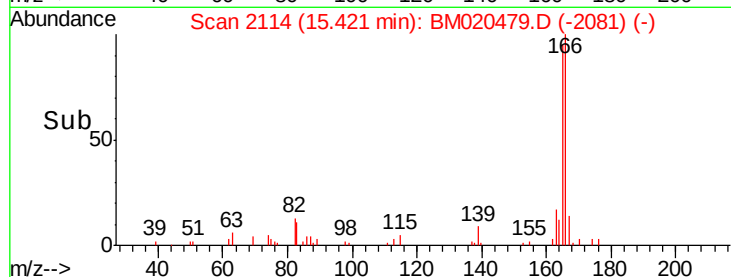
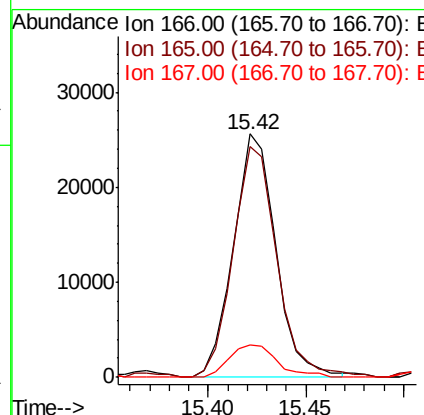
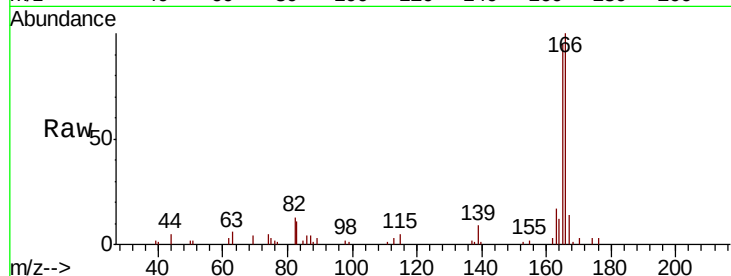
#58
 Fluorene
 Concen: 4.083 ng/ul
 RT: 15.42 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: BM020479.D
 Acq: 22 May 2019 02:52

Instrument :
 BNA_M
 ClientSampleId :
 A4252

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.0	77.1	115.7
167	13.6	11.1	16.7

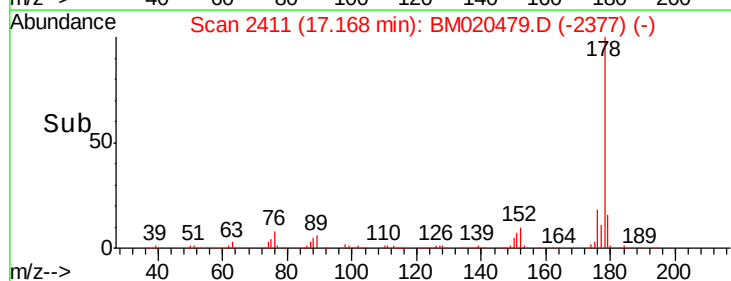
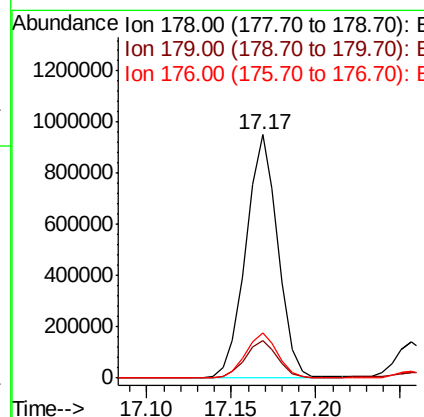
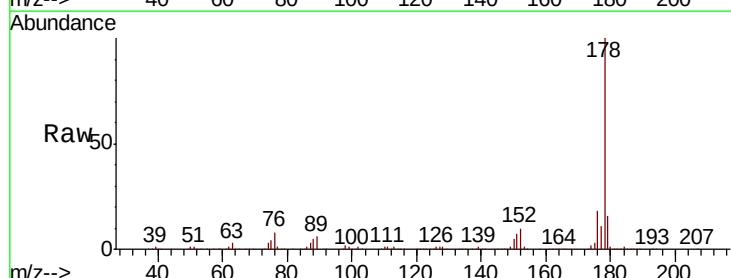
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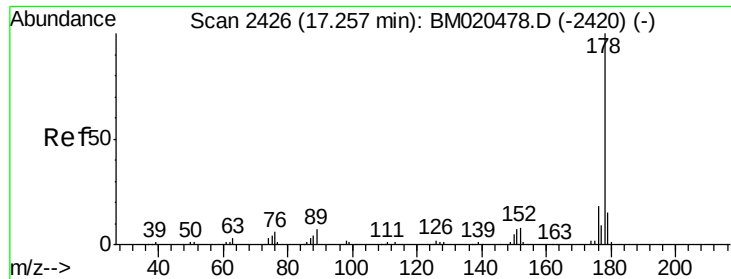
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#69
 Phenanthrene
 Concen: 78.449 ng/ul
 RT: 17.17 min Scan# 2411
 Delta R.T. -0.00 min
 Lab File: BM020479.D
 Acq: 22 May 2019 02:52

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.9	17.9
176	18.3	14.6	22.0





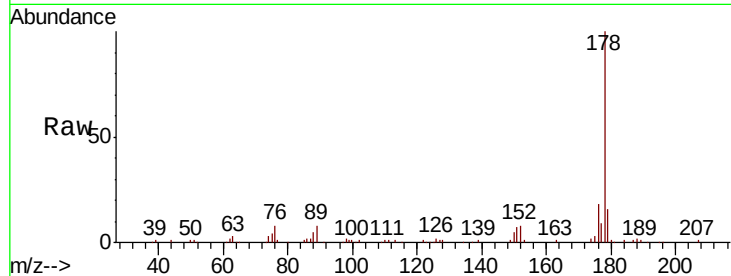
#71
 Anthracene
 Concen: 12.425 ng/ul
 RT: 17.26 min Scan# 2426
 Delta R.T. -0.00 min
 Lab File: BM020479.D
 Acq: 22 May 2019 02:52

Instrument :
 BNA_M
 ClientSampled :
 A4252

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6
176	17.6	14.4	21.6

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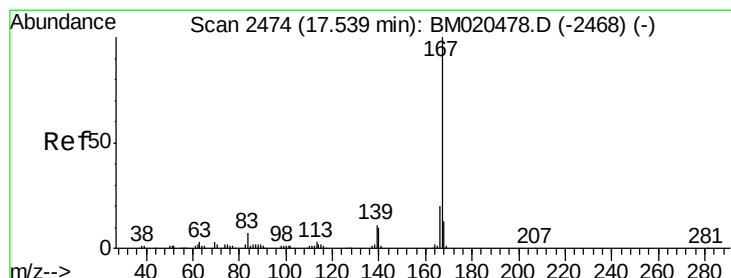
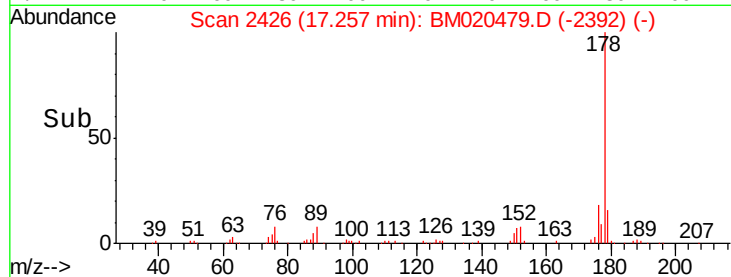
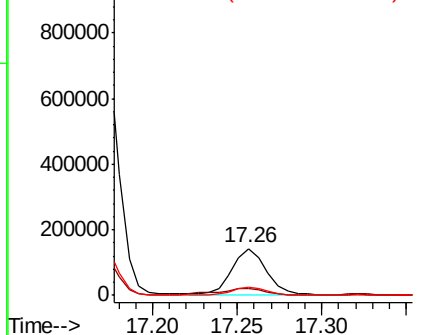


Abundance

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: 9.459 ng/ul
 RT: 17.53 min Scan# 2473
 Delta R.T. -0.01 min
 Lab File: BM020479.D
 Acq: 22 May 2019 02:52

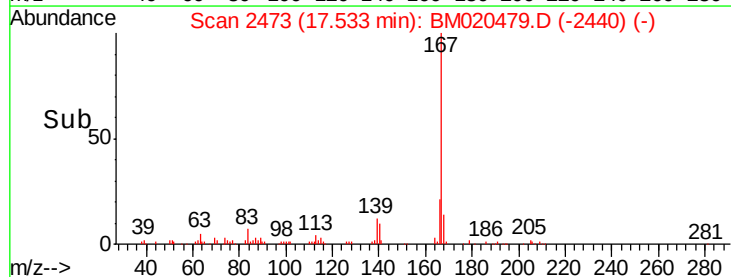
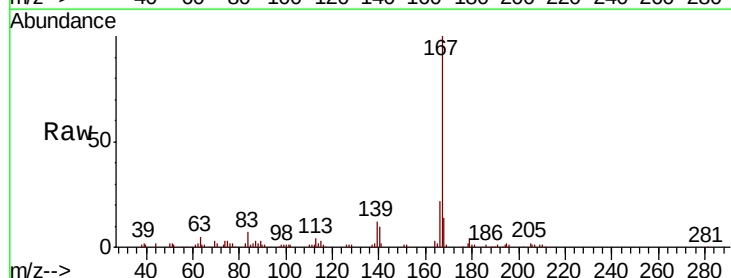
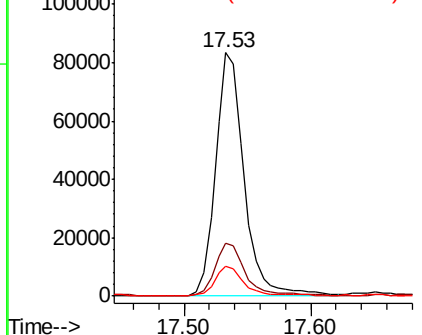
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	16.6	24.8
139	12.2	9.8	14.8

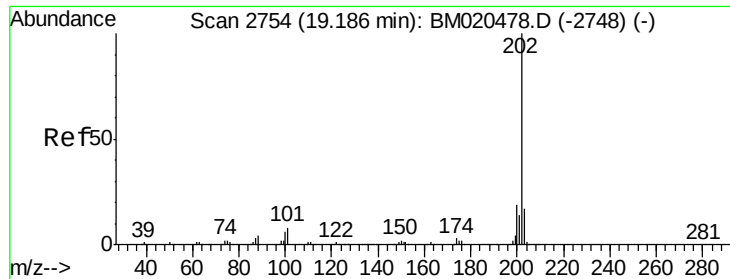
Abundance

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: 113.947 ng/ul

RT: 19.19 min Scan# 2755

Delta R.T. 0.01 min

Lab File: BM020479.D

Acq: 22 May 2019 02:52

Instrument :

BNA_M

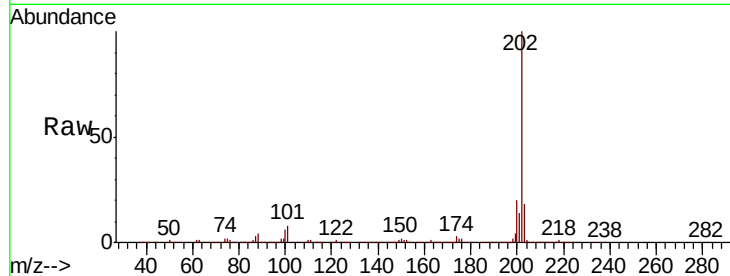
ClientSampleId :

A4252

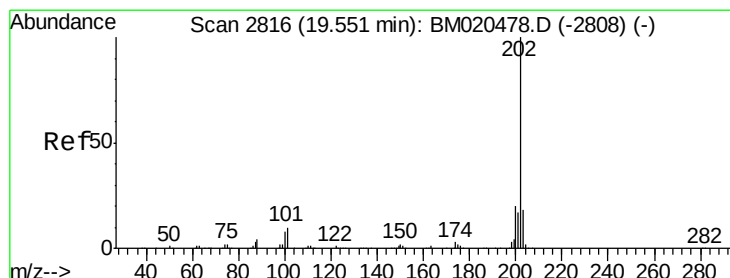
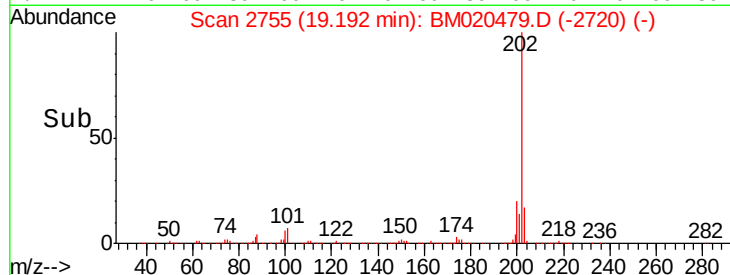
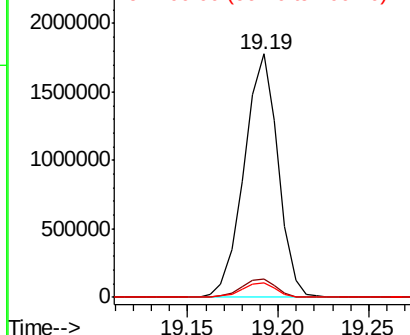
Tot Ion:	202	Resp:	2308812
Ion Ratio	Lower	Upper	
202	100		
101	7.6	6.4	9.6
100	6.0	5.2	7.8

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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: 76.418 ng/ul

RT: 19.56 min Scan# 2817

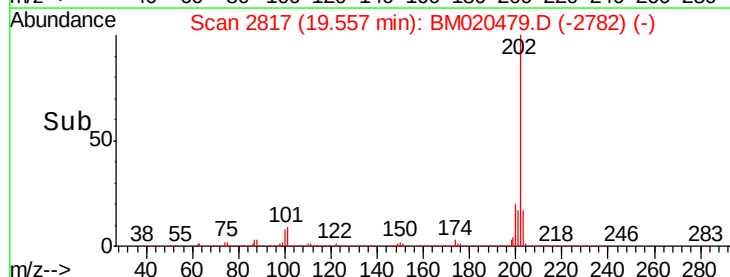
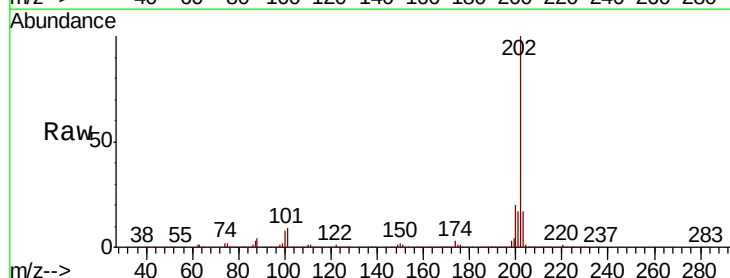
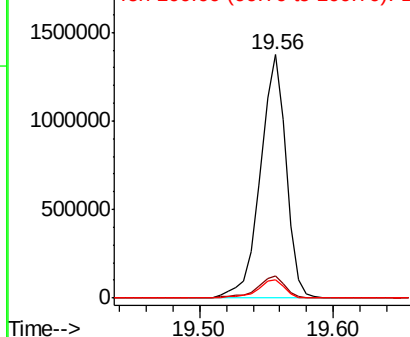
Delta R.T. 0.01 min

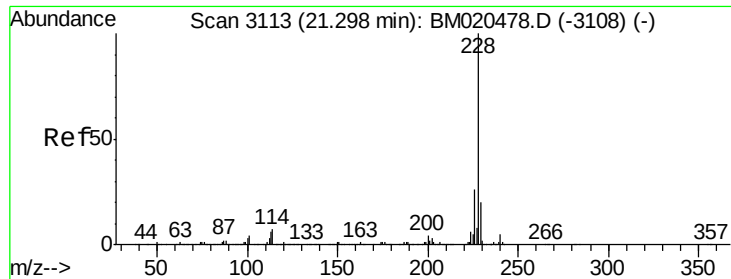
Lab File: BM020479.D

Acq: 22 May 2019 02:52

Tgt Ion:	202	Resp:	1825015
Ion Ratio	Lower	Upper	
202	100		
101	9.1	7.1	10.7
100	7.7	5.9	8.9

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: 39.657 ng/ul

RT: 21.30 min Scan# 3114

Delta R.T. 0.01 min

Lab File: BM020479.D

Acq: 22 May 2019 02:52

Instrument :

BNA_M

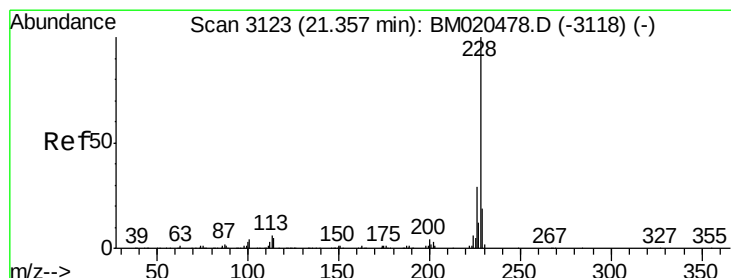
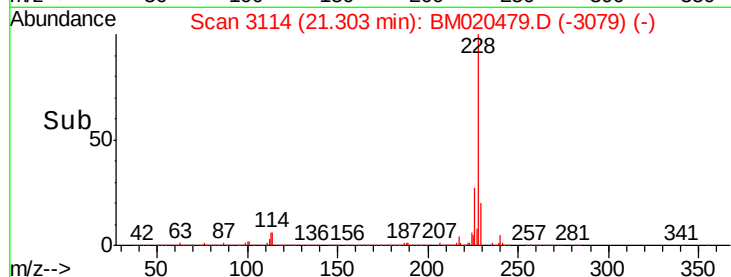
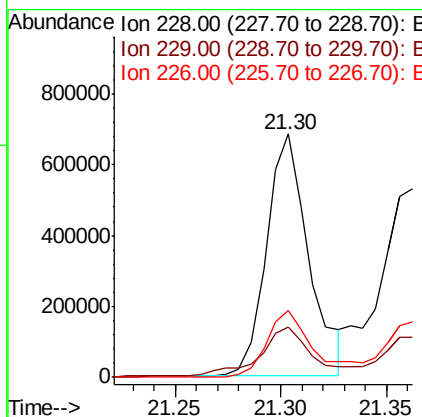
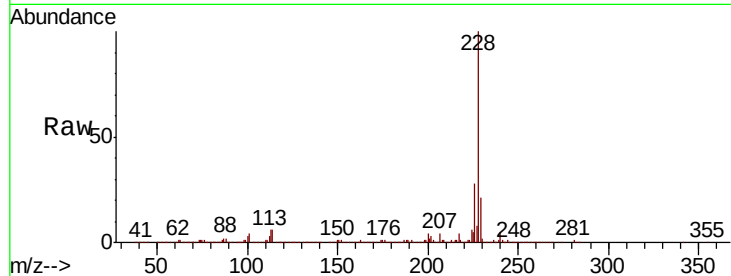
ClientSampleId :

A4252

Tot Ion:	228	Resp:	949702
Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.8	23.8
226	27.6	20.6	30.8

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#84

Chrysene

Concen: 34.345 ng/ul

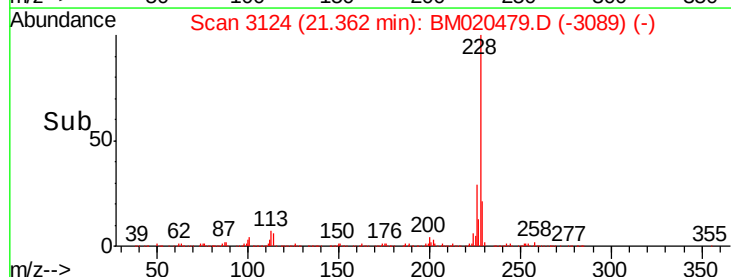
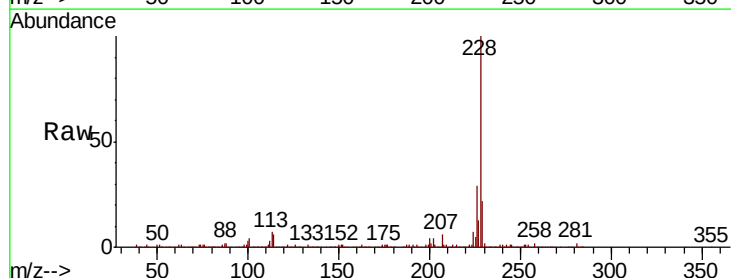
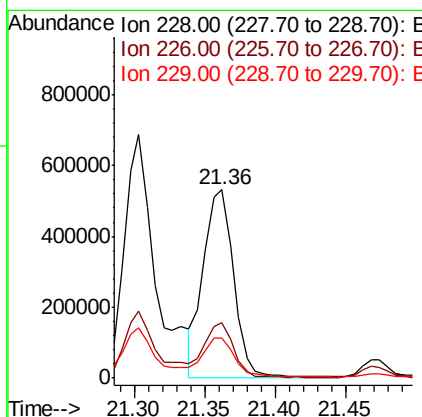
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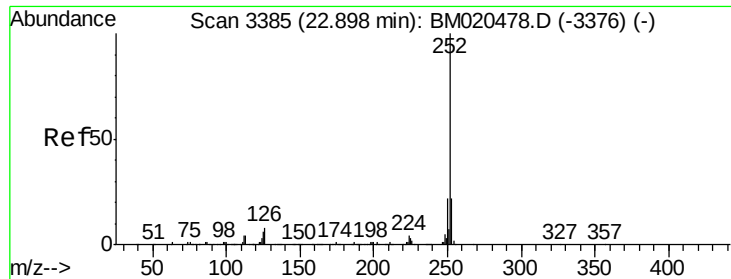
Delta R.T. 0.01 min

Lab File: BM020479.D

Acq: 22 May 2019 02:52

Tgt Ion:	228	Resp:	786018
Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.2	33.4
229	21.5	15.4	23.2





#87

Benzo(b)fluoranthene

Concen: 47.302 ng/ul

RT: 22.92 min Scan# 3388

Delta R.T. 0.02 min

Lab File: BM020479.D

Acq: 22 May 2019 02:52

Instrument :

BNA_M

ClientSampleId :

A4252

Tot Ion:252 Resp: 1252056

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.6

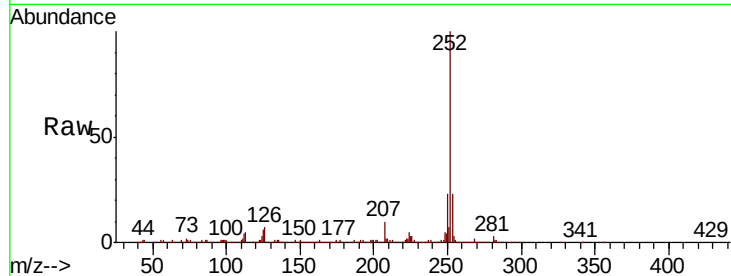
125 6.5 5.0 7.4

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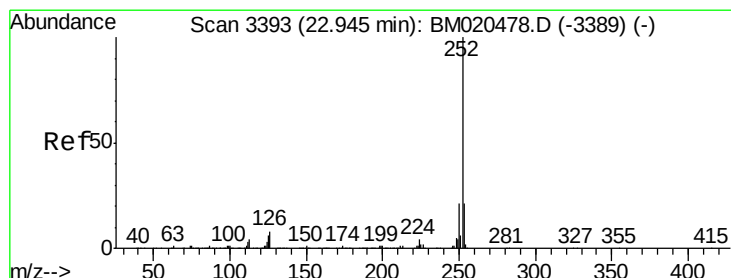
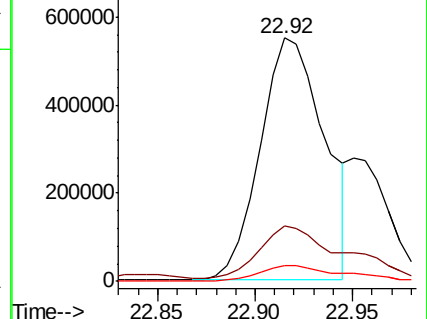
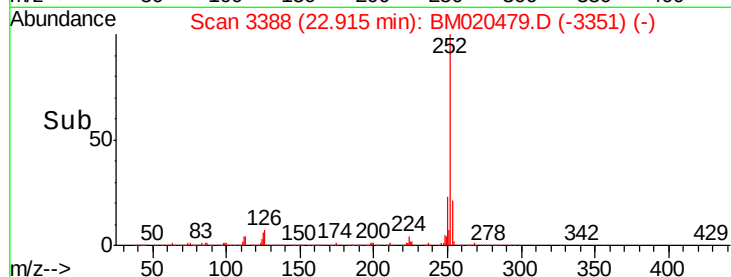
5/23/2019 8:43:33 AM



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



#88

Benzo(k)fluoranthene

Concen: 15.292 ng/ul m

RT: 22.95 min Scan# 3394

Delta R.T. 0.01 min

Lab File: BM020479.D

Acq: 22 May 2019 02:52

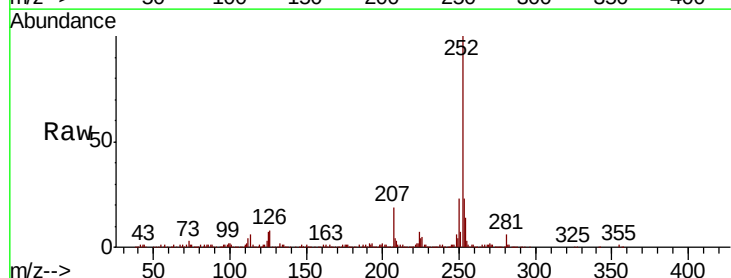
Tgt Ion:252 Resp: 397590

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

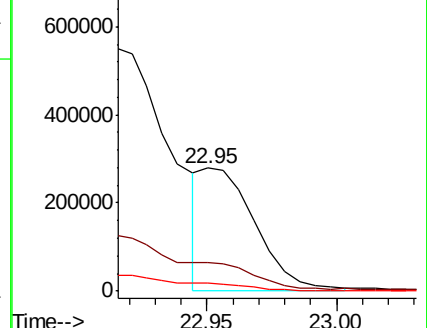
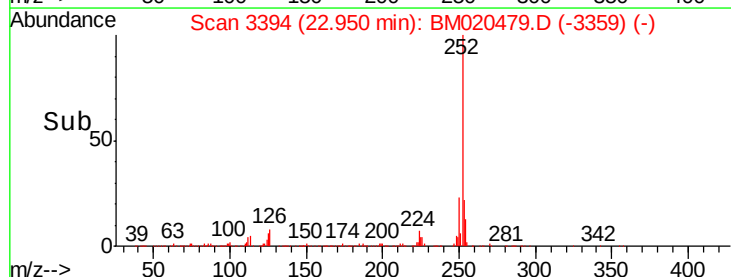
125 6.6 5.0 7.6

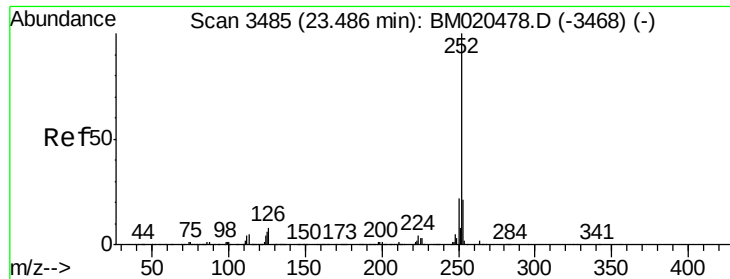


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 31.287 ng/ul

RT: 23.52 min Scan# 3490

Delta R.T. 0.03 min

Lab File: BM020479.D

Acq: 22 May 2019 02:52

Instrument :

BNA_M

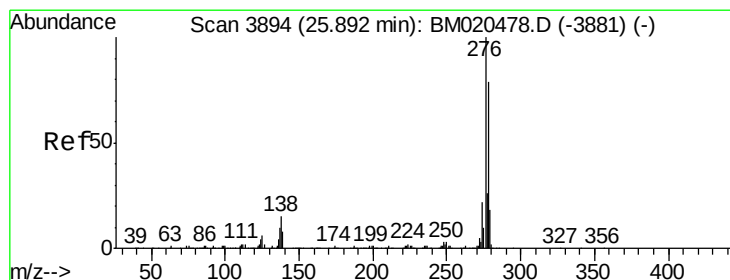
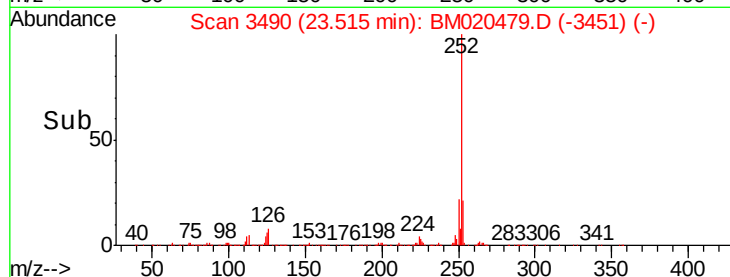
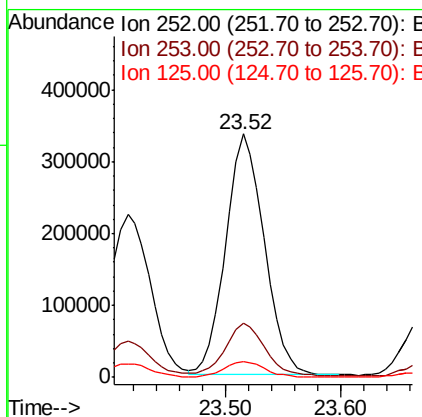
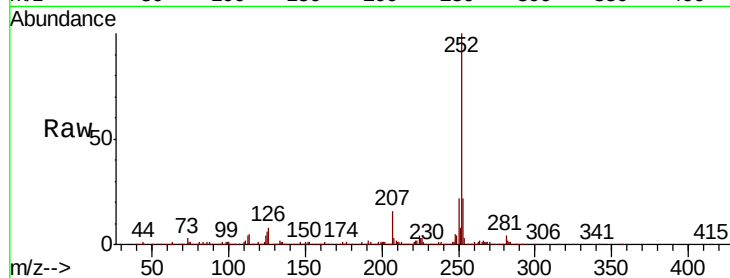
ClientSampled :

A4252

Tot Ion:	252	Resp:	779370
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.4	26.2
125	6.4	5.4	8.2

Manual Integrations
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#91

Indeno(1,2,3-cd)pyrene

Concen: 20.342 ng/ul

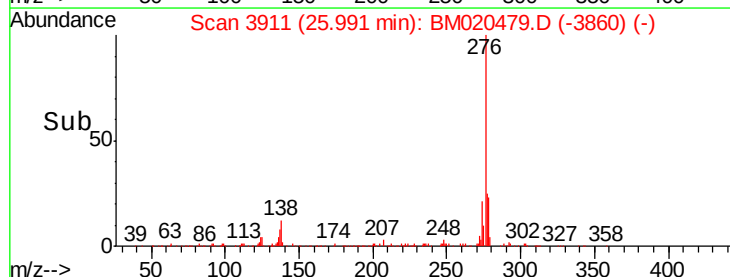
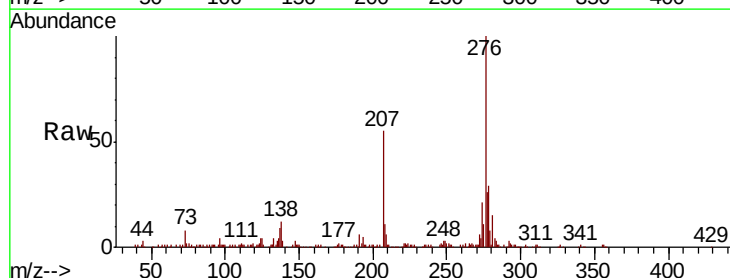
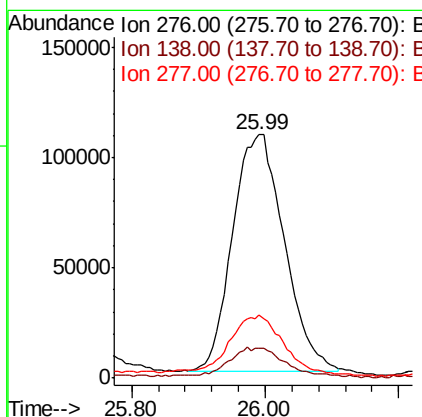
RT: 25.99 min Scan# 3911

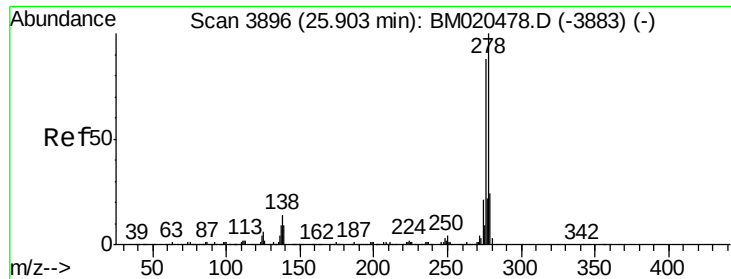
Delta R.T. 0.10 min

Lab File: BM020479.D

Acq: 22 May 2019 02:52

Tgt Ion:	276	Resp:	577405
Ion Ratio	Lower	Upper	
276	100		
138	12.1	12.3	18.5#
277	25.8	20.0	30.0





#92

Dibenzo(a,h)anthracene

Concen: 4.095 ng/ul m

RT: 25.99 min Scan# 3911

Delta R.T. 0.09 min

Lab File: BM020479.D

Acq: 22 May 2019 02:52

Instrument :

BNA_M

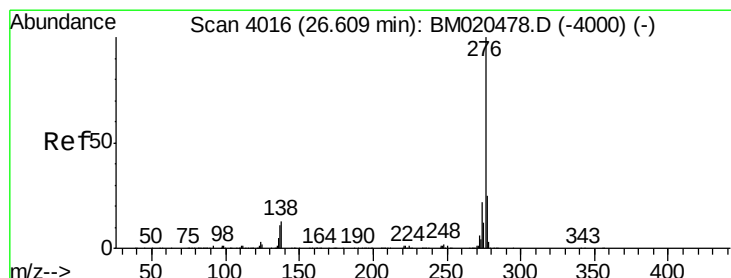
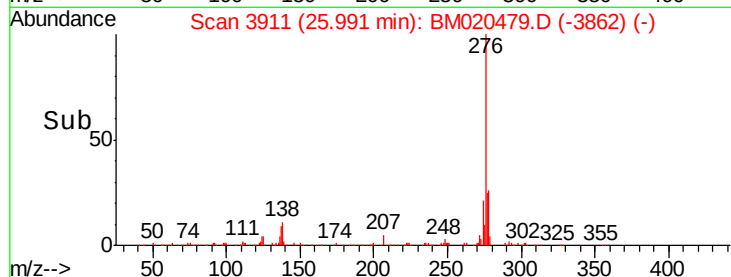
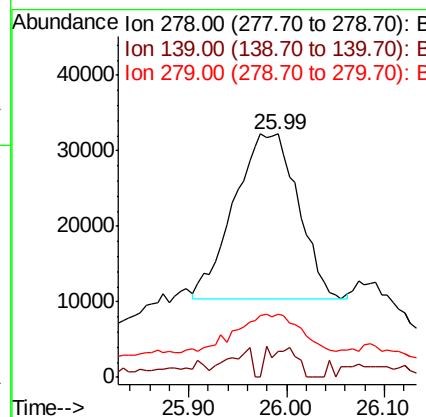
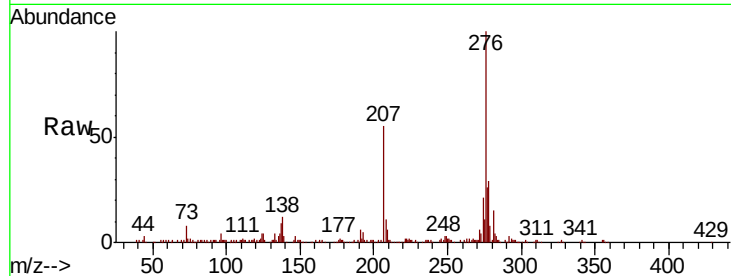
ClientSampleId :

A4252

Tot Ion:	278	Resp:	99404
Ion Ratio	Lower	Upper	
278	100		
139	10.6	8.1	12.1
279	25.9	18.7	28.1

Manual Integrations
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#93

Benzo(g,h,i)perylene

Concen: 19.902 ng/ul m

RT: 26.74 min Scan# 4038

Delta R.T. 0.13 min

Lab File: BM020479.D

Acq: 22 May 2019 02:52

Tgt Ion:	276	Resp:	467608
Ion Ratio	Lower	Upper	
276	100		
138	12.3	10.0	15.0
277	25.4	18.2	27.4

