

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090519\
 Data File : BM022531.D
 Acq On : 05 Sep 2019 21:06
 Operator : HP/JU
 Sample : MDL-S-BL01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 06 01:42:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090519MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 05 19:43:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng/ul	-7.86
18) Naphthalene-d8	0.00	136	0	0.00	ng/ul	-10.66
36) Acenaphthene-d10	14.49	164	415	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.33	188	2467940	20.00	ng/ul	0.10
78) Chrysene-d12	21.41	240	2386	20.00	ng/ul	0.00
86) Perylene-d12	23.56	264	3055533	20.00	ng/ul	-0.15
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.30	96	38512	0.00	ng/uL	0.00
5) Phenol-d5	7.02	99	673692	0.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.19	67	423994	0.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.39	132	550851	0.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.56	113	553709	0.00	ng/ul	0.00
19) Nitrobenzene-d5	9.02	128	267237	0.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.74	143	260413	0.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	542814	0.00	ng/ul	0.00
29) 4-Chloroaniline-d4	10.79	131	846691	0.00	ng/ul	0.00
44) Dimethylphthalate-d6	13.90	166	1931276	57427.51	ng/ul	0.00
47) Acenaphthylene-d8	14.19	160	2193567	54476.66	ng/ul	0.00
52) 4-Nitrophenol-d4	14.67	143	289757	50447.27	ng/ul	0.00
58) Fluorene-d10	15.49	176	1569316	55735.63	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.59	200	160009	14.26	ng/ul	0.00
71) Anthracene-d10	17.33	188	2467940	19.52	ng/ul	0.00
79) Pyrene-d10	19.62	212	2709174	20462.82	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.56	264	3041583	18.52	ng/ul	0.00
Target Compounds				Ovalue		
45) Dimethylphthalate	13.90	163	1052	30.819	ng/ul#	1
46) 2,6-Dinitrotoluene	13.91	165	10647	1915.766	ng/ul#	32
53) 4-Nitrophenol	14.69	109	119	25.783	ng/ul#	1
55) 2,4-Dinitrotoluene	14.91	165	651	79.968	ng/ul#	16
57) Diethylphthalate	15.32	149	403	11.411	ng/ul#	59
59) Fluorene	15.49	166	4034	122.079	ng/ul#	8
61) 4-Nitroaniline	15.59	138	1407	204.889	ng/ul#	1
64) 4,6-Dinitro-2-methylphenol	15.59	198	409	0.032	ng/ul#	1
70) Phenanthrene	17.36	178	388	0.003	ng/ul#	60
72) Anthracene	17.36	178	388	0.002	ng/ul#	61
76) Di-n-butylphthalate	18.21	149	1418	0.008	ng/ul#	79
77) Fluoranthene	19.29	202	498	0.003	ng/ul#	74
80) Pyrene	19.63	202	4246	24.590	ng/ul#	1
81) Butylbenzylphthalate	20.55	149	533	7.321	ng/ul#	8
82) 3,3'-Dichlorobenzidine	21.33	252	177	2.917	ng/ul#	84
83) Benzo(a)anthracene	21.44	228	233	1.316	ng/ul#	51
84) Bis(2-ethylhexyl)phthalate	21.34	149	718	6.499	ng/ul#	98
85) Chrysene	21.44	228	233	1.431	ng/ul#	49
87) Di-n-octyl phthalate	22.11	149	181	0.001	ng/ul	100
88) Benzo(b)fluoranthene	22.97	252	117	0.001	ng/ul#	1
89) Benzo(k)fluoranthene	22.97	252	117	0.001	ng/ul#	1
91) Benzo(a)pyrene	23.56	252	9986	0.052	ng/ul#	77

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Instrument :
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Quant Time: Sep 06 01:42:31 2019
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 05 19:43:58 2019
Response via : Initial Calibration

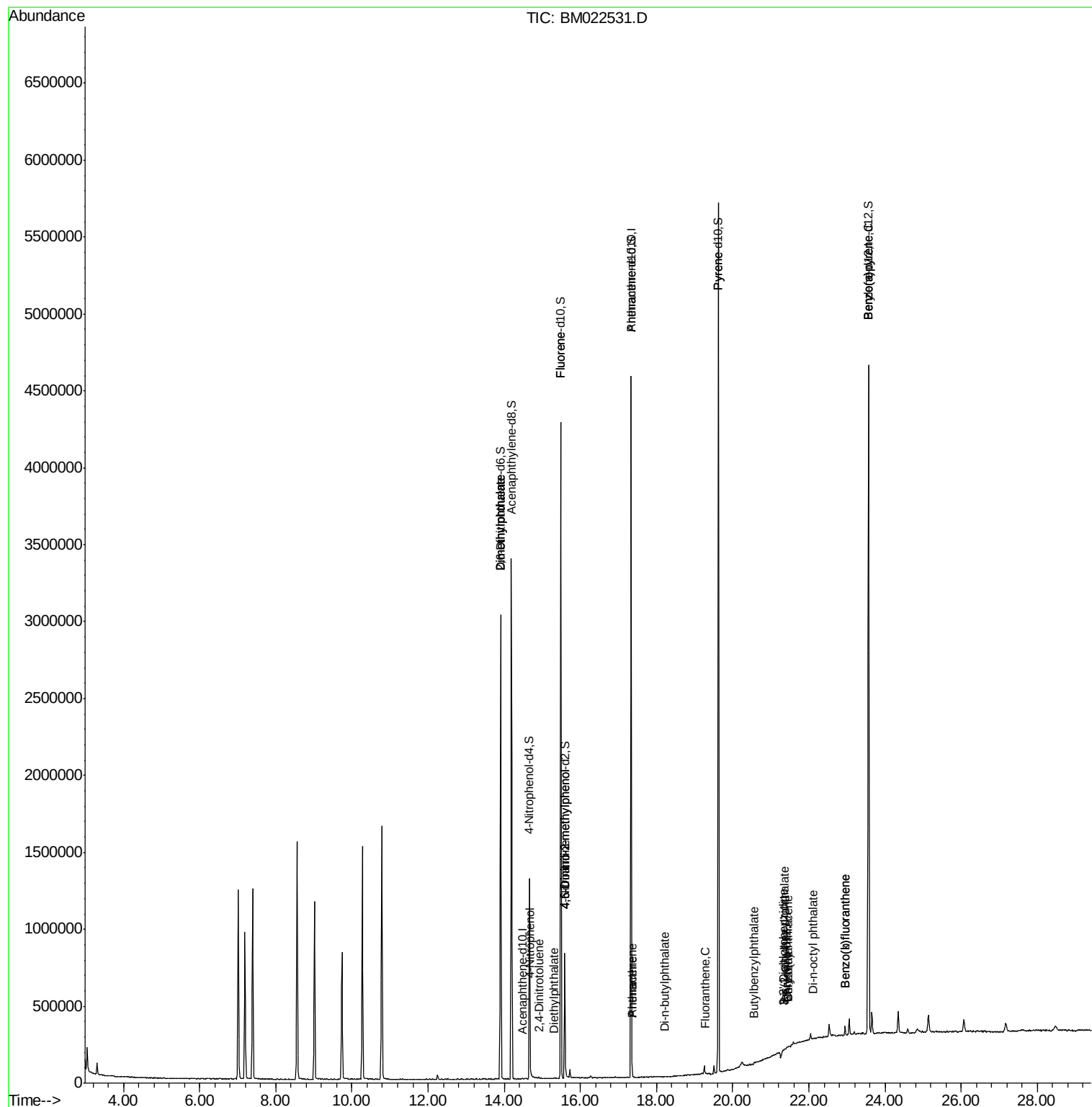
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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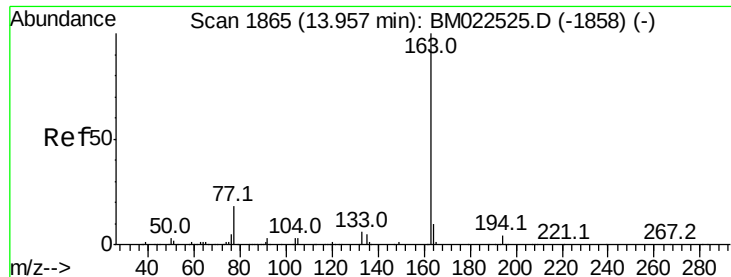
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#45

Dimethylphthalate

Concen: 30.819 ng/ul

RT: 13.90 min Scan# 1856

Delta R.T. -0.05 min

Lab File: BM022531.D

Acq: 05 Sep 2019 21:06

Instrument :

BNA_M

ClientSampleId :

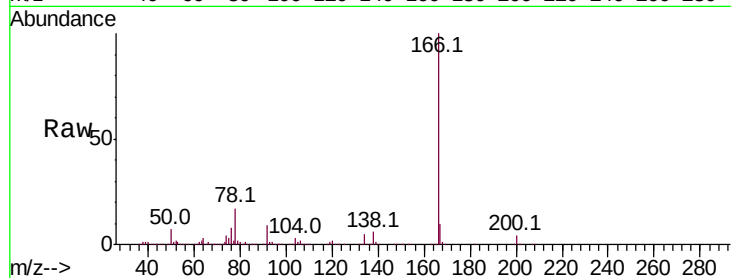
Tot Ion:163 Resp: 1052

Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

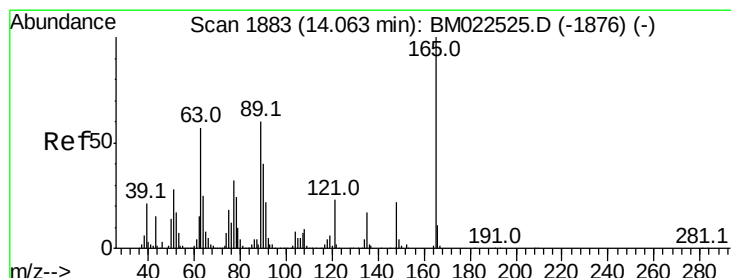
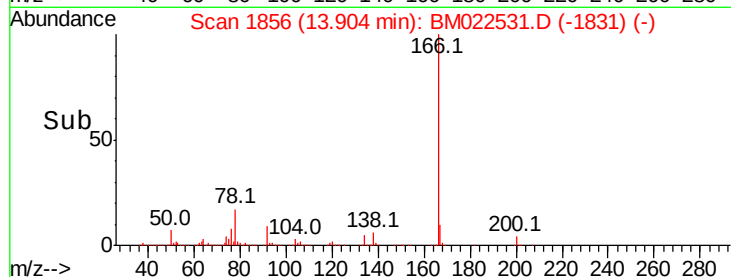
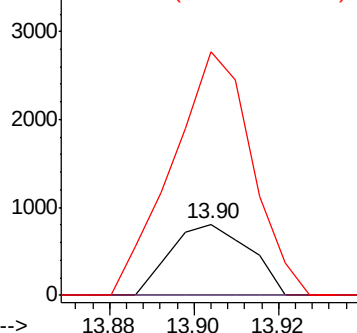
164 341.9 7.8 11.8#



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



#46

2,6-Dinitrotoluene

Concen: 1915.766 ng/ul

RT: 13.91 min Scan# 1857

Delta R.T. -0.15 min

Lab File: BM022531.D

Acq: 05 Sep 2019 21:06

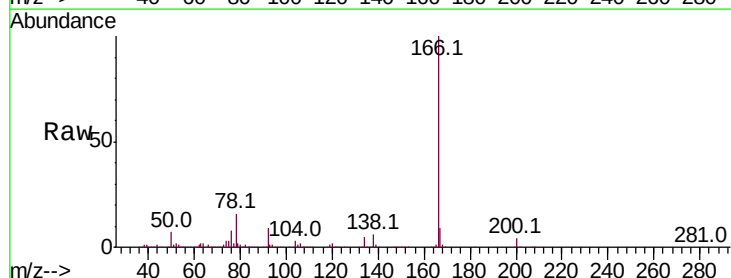
Tgt Ion:165 Resp: 10647

Ion Ratio Lower Upper

165 100

89 0.0 47.7 71.5#

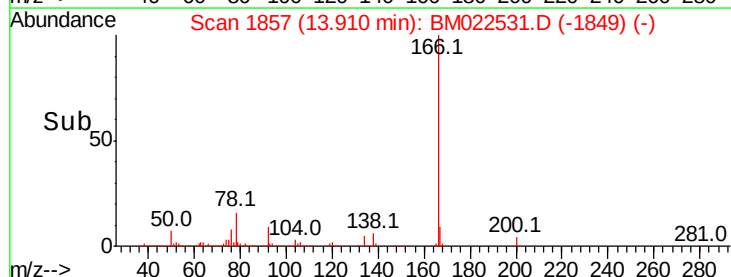
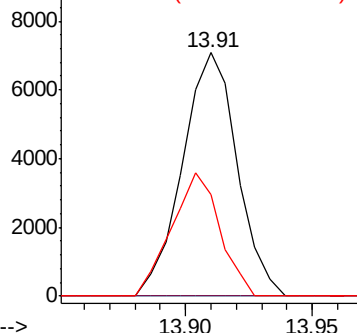
121 41.6 18.4 27.6#

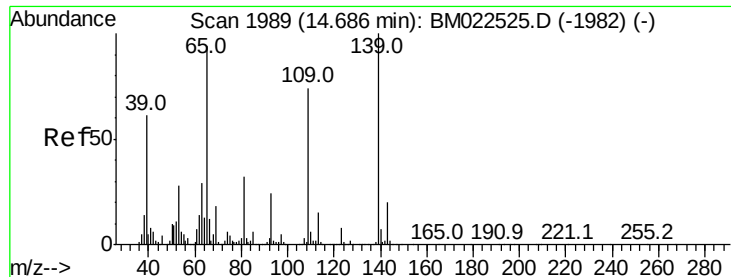


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BM0

Ion 121.00 (120.70 to 121.70): E





#53

4-Nitrophenol

Concen: 25.783 ng/ul

RT: 14.69 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BM022531.D

Acq: 05 Sep 2019 21:06

Instrument :

BNA_M

ClientSampleId :

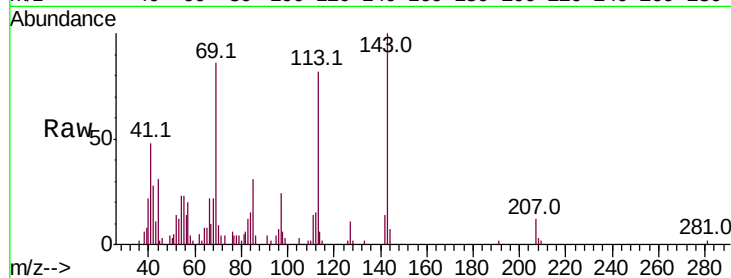
Tot Ion:109 Resp: 119

Ion Ratio Lower Upper

109 100

139 0.0 107.6 161.4#

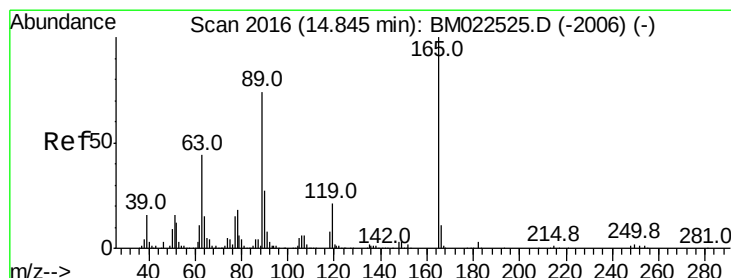
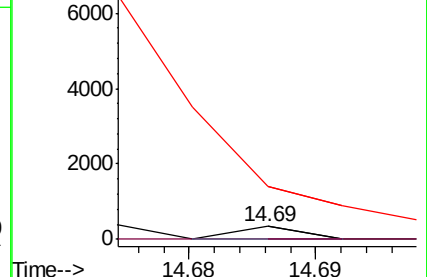
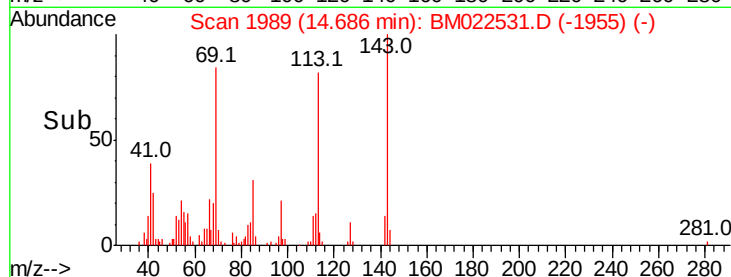
65 413.1 101.9 152.9#



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM



#55

2,4-Dinitrotoluene

Concen: 79.968 ng/ul

RT: 14.91 min Scan# 2027

Delta R.T. 0.06 min

Lab File: BM022531.D

Acq: 05 Sep 2019 21:06

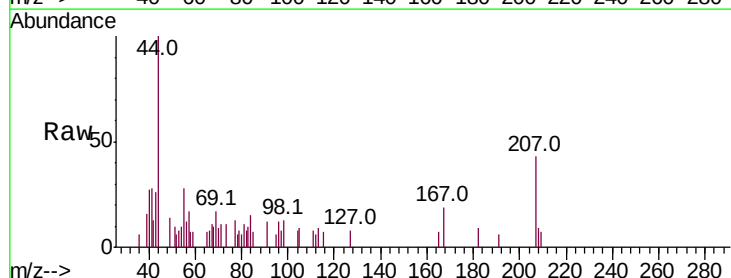
Tgt Ion:165 Resp: 651

Ion Ratio Lower Upper

165 100

63 0.0 35.7 53.5#

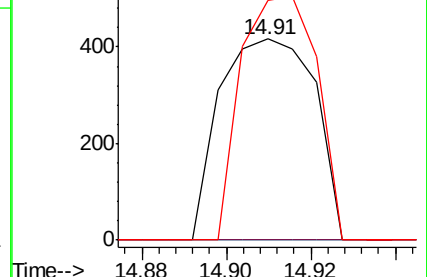
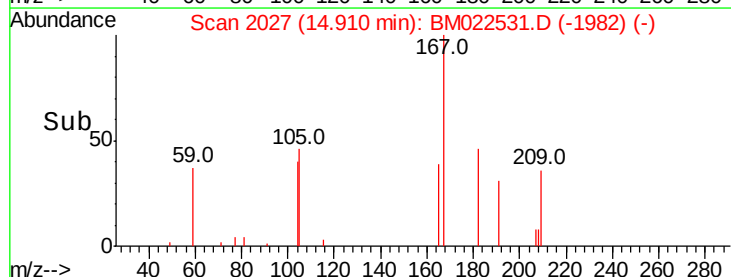
182 119.2 2.2 3.2#

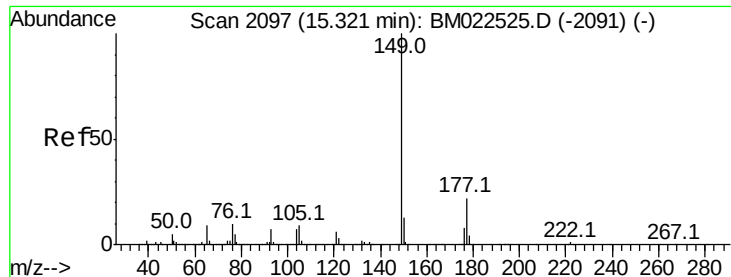


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 182.00 (181.70 to 182.70): E





#57

Diethylphthalate

Concen: 11.411 ng/ul

RT: 15.32 min Scan# 2097

Delta R.T. 0.00 min

Lab File: BM022531.D

Acq: 05 Sep 2019 21:06

Instrument :

BNA_M

ClientSampled :

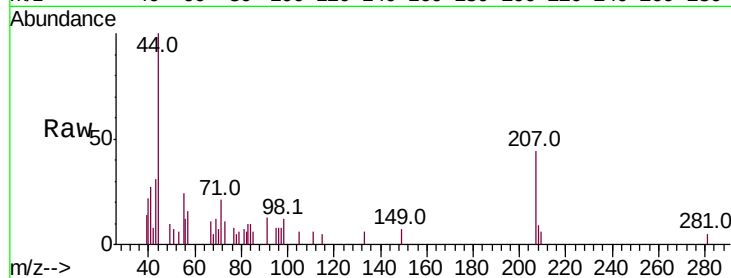
Tot Ion:149 Resp: 403

Ion Ratio Lower Upper

149 100

177 0.0 17.3 25.9#

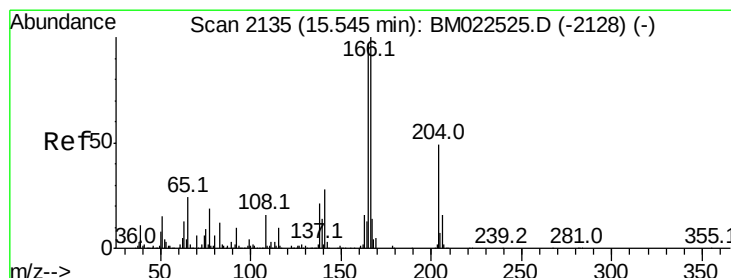
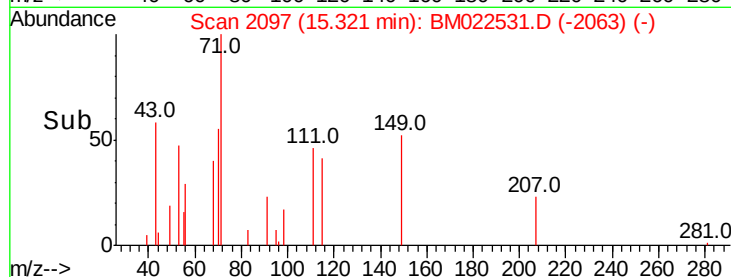
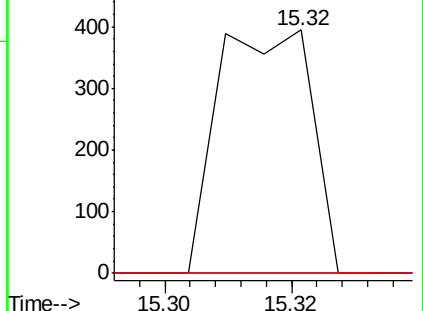
150 0.0 10.2 15.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#59

Fluorene

Concen: 122.079 ng/ul

RT: 15.49 min Scan# 2125

Delta R.T. -0.06 min

Lab File: BM022531.D

Acq: 05 Sep 2019 21:06

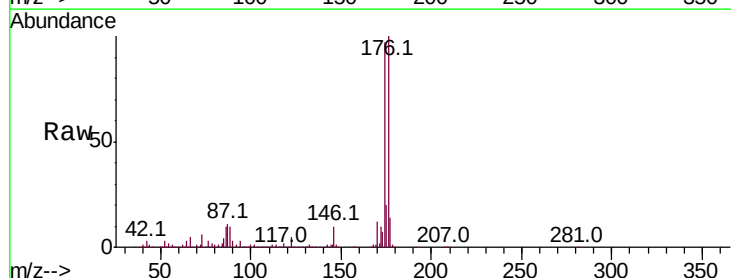
Tgt Ion:166 Resp: 4034

Ion Ratio Lower Upper

166 100

165 0.0 77.8 116.8#

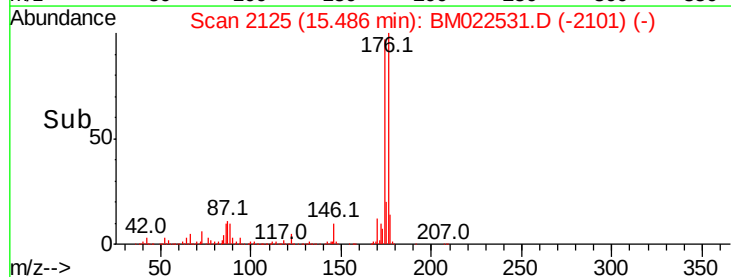
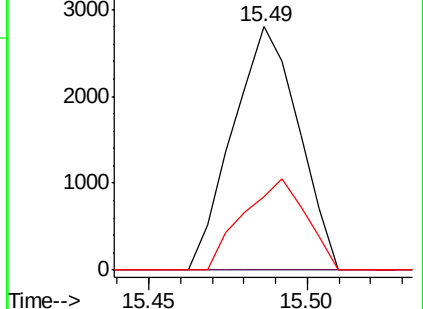
167 30.0 10.9 16.3#

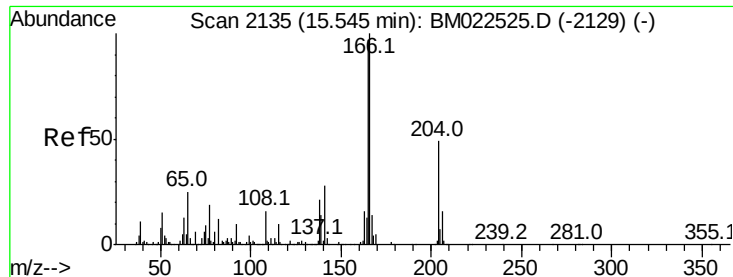


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

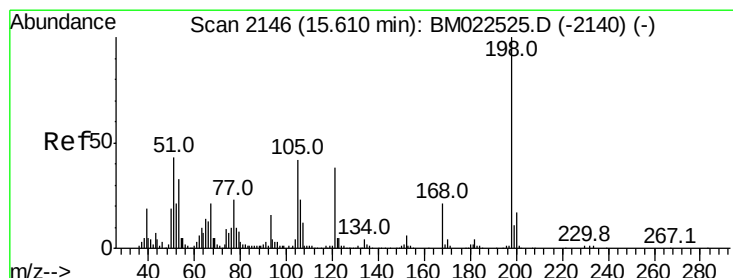
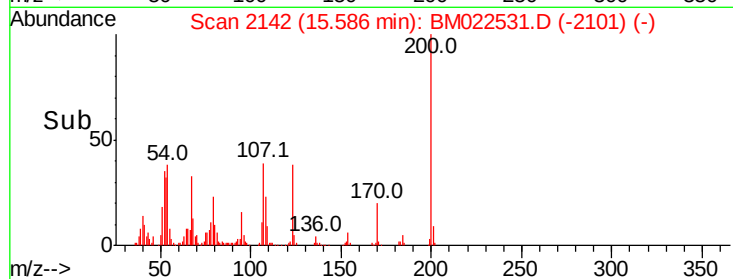
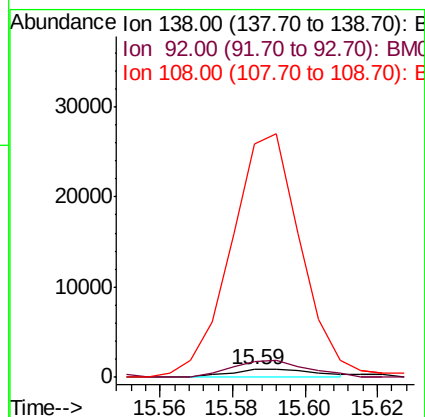
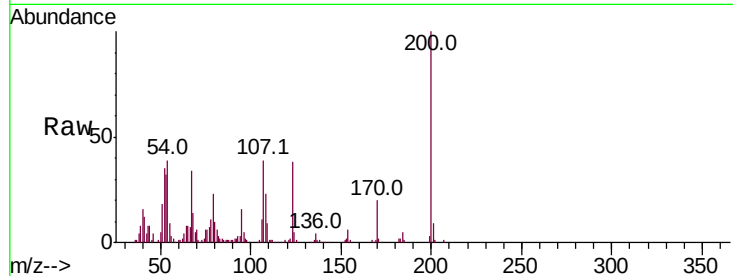




#61
4-Nitroaniline
Concen: 204.889 ng/ul
RT: 15.59 min Scan# 2142
Delta R.T. 0.04 min
Lab File: BM022531.D
Acq: 05 Sep 2019 21:06

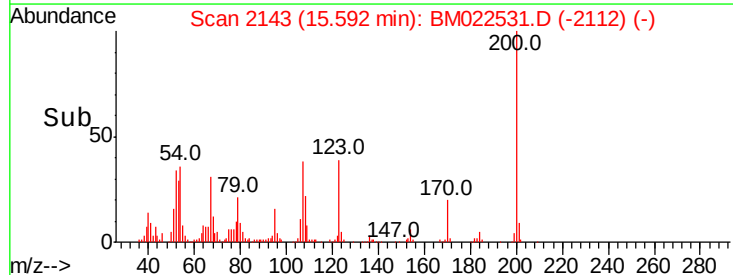
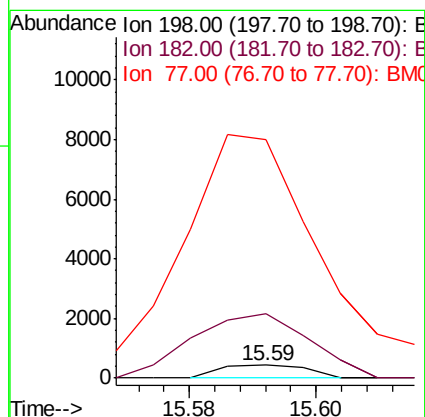
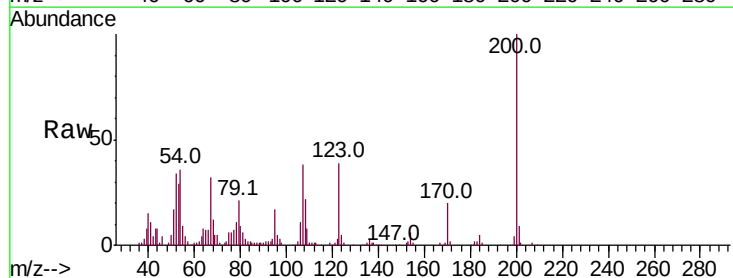
Instrument :
BNA_M
ClientSampleId :

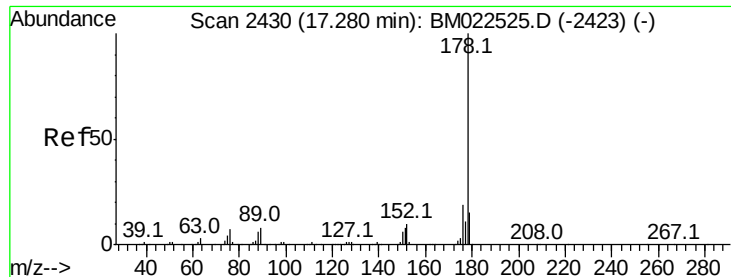
Tot Ion:138 Resp: 1407
Ion Ratio Lower Upper
138 100
92 199.2 40.3 60.5#
108 2930.9 62.2 93.2#



#64
4,6-Dinitro-2-methylphenol
Concen: 0.032 ng/ul
RT: 15.59 min Scan# 2143
Delta R.T. -0.02 min
Lab File: BM022531.D
Acq: 05 Sep 2019 21:06

Tgt Ion:198 Resp: 409
Ion Ratio Lower Upper
198 100
182 506.1 3.4 5.0#
77 1866.8 19.7 29.5#





#70

Phenanthrene

Concen: 0.003 ng/ul

RT: 17.36 min Scan# 2444

Delta R.T. 0.08 min

Lab File: BM022531.D

Acq: 05 Sep 2019 21:06

Instrument :

BNA_M

ClientSampleId :

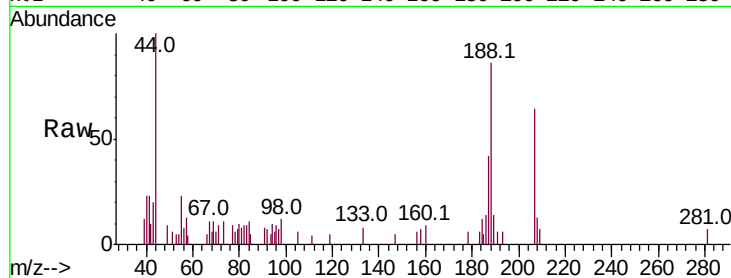
Tot Ion:178 Resp: 388

Ion Ratio Lower Upper

178 100

179 0.0 12.0 18.0#

176 0.0 15.4 23.0#

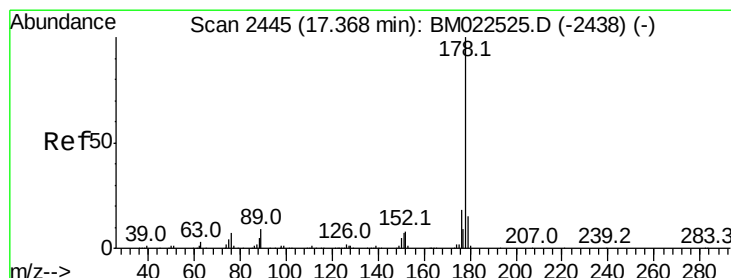
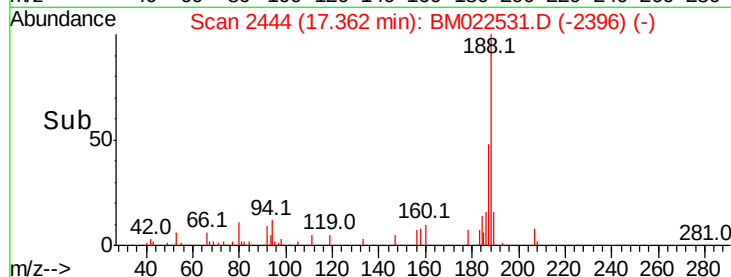
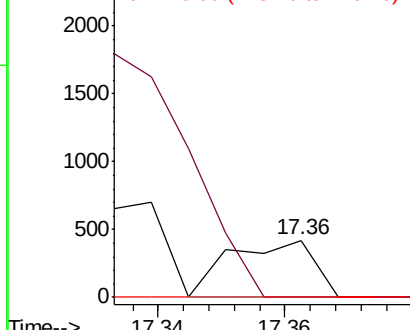


Abundance

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



#72

Anthracene

Concen: 0.002 ng/ul

RT: 17.36 min Scan# 2444

Delta R.T. -0.01 min

Lab File: BM022531.D

Acq: 05 Sep 2019 21:06

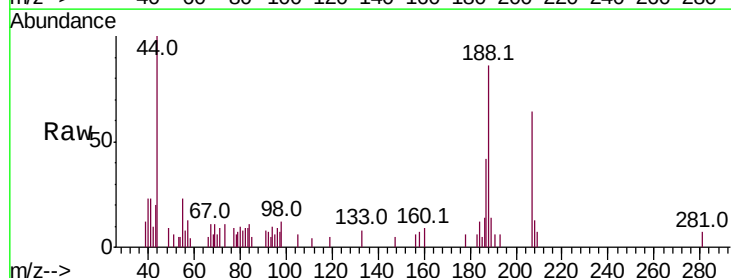
Tgt Ion:178 Resp: 388

Ion Ratio Lower Upper

178 100

179 0.0 12.3 18.5#

176 0.0 14.7 22.1#

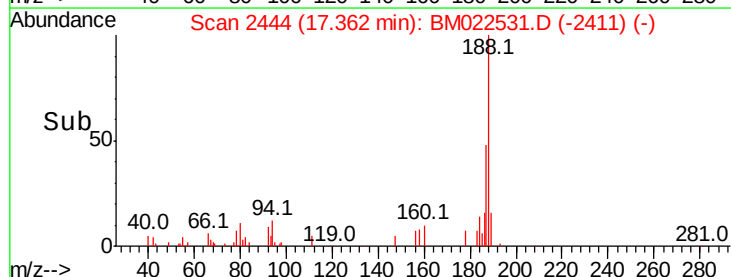
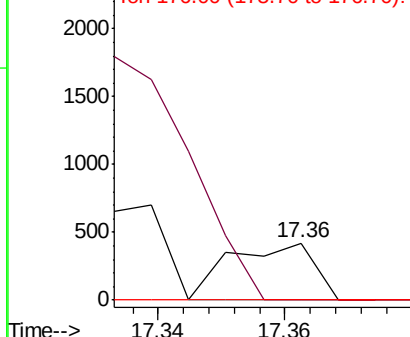


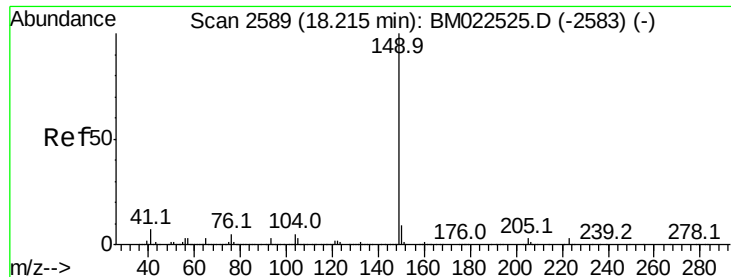
Abundance

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

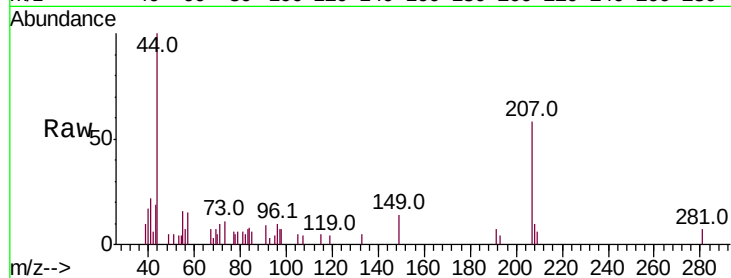




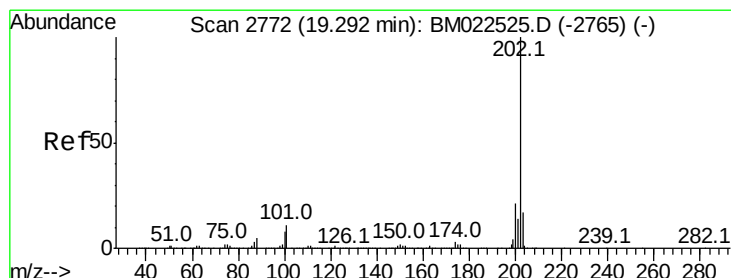
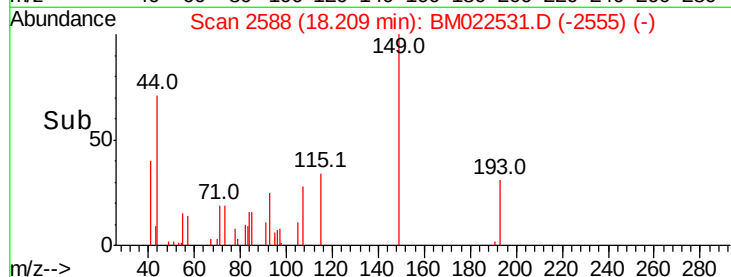
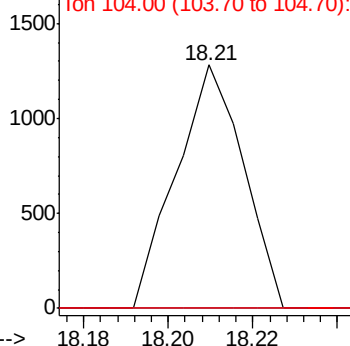
#76
Di-n-butylphthalate
Concen: 0.008 ng/ul
RT: 18.21 min Scan# 2588
Delta R.T. -0.01 min
Lab File: BM022531.D
Acq: 05 Sep 2019 21:06

Instrument :
BNA_M
ClientSampleId :

Tot Ion:149 Resp: 1418
Ion Ratio Lower Upper
149 100
150 0.0 7.3 10.9#
104 0.0 3.9 5.9#

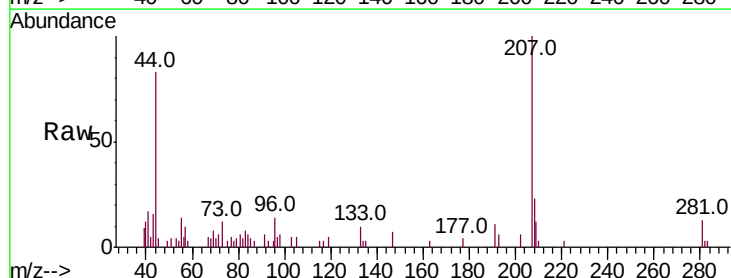


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

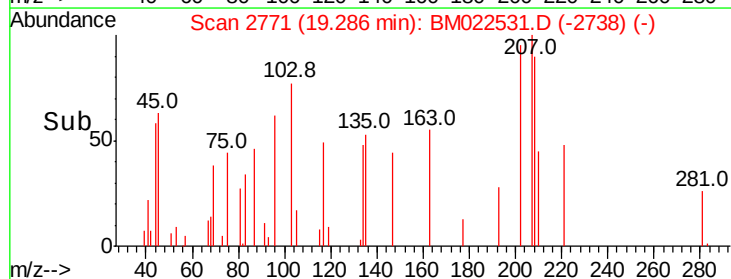
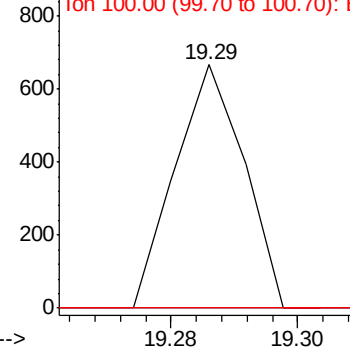


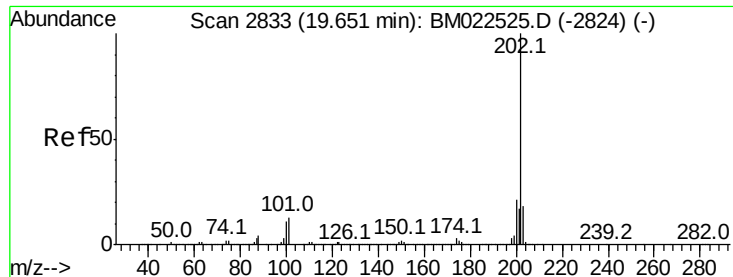
#77
Fluoranthene
Concen: 0.003 ng/ul
RT: 19.29 min Scan# 2771
Delta R.T. -0.01 min
Lab File: BM022531.D
Acq: 05 Sep 2019 21:06

Tgt Ion:202 Resp: 498
Ion Ratio Lower Upper
202 100
101 0.0 8.8 13.2#
100 0.0 6.3 9.5#



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

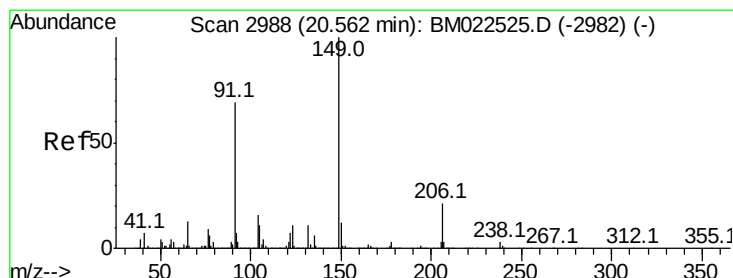
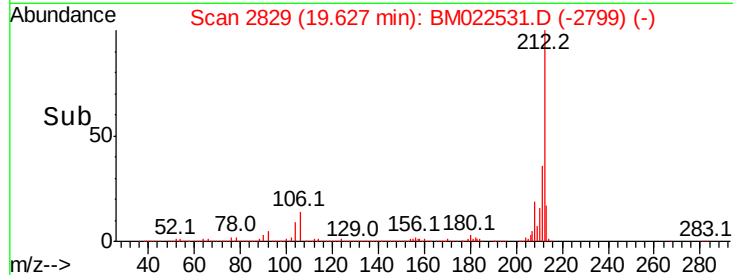
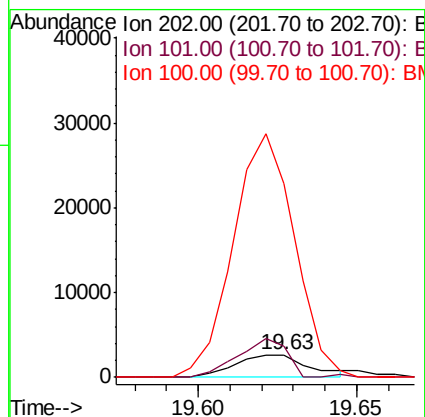
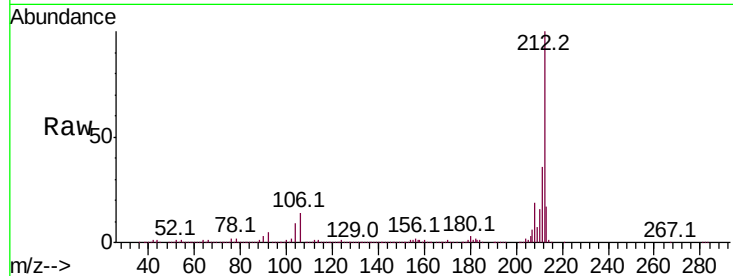




#80
Pvrene
Concen: 24.590 ng/ul
RT: 19.63 min Scan# 2829
Delta R.T. -0.02 min
Lab File: BM022531.D
Acq: 05 Sep 2019 21:06

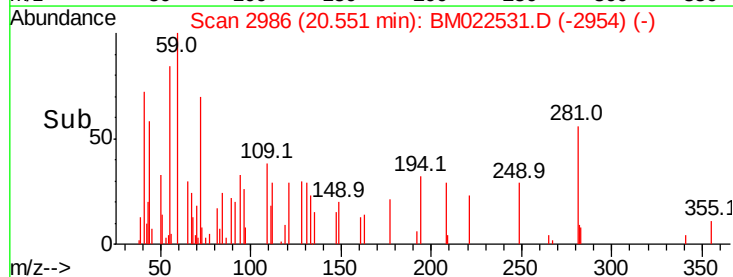
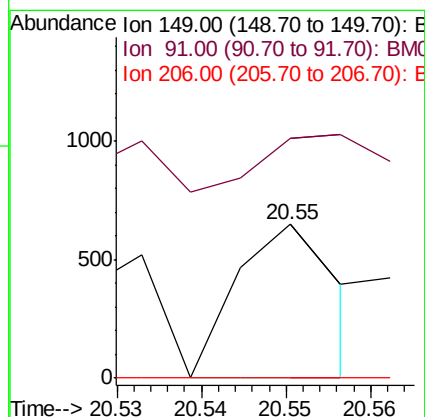
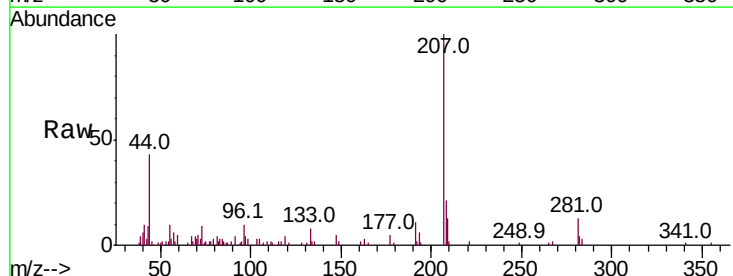
Instrument :
BNA_M
ClientSampleId :

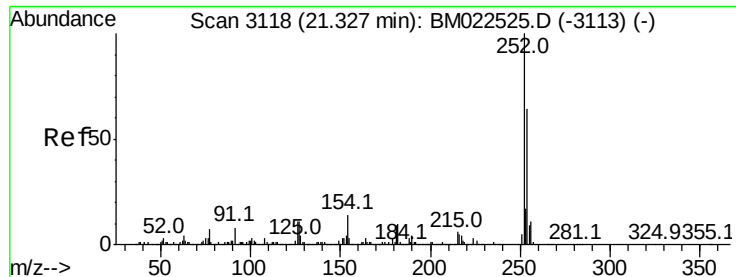
Tot Ion	Ratio	Lower	Upper
202	100		
101	139.3	10.6	16.0#
100	852.1	8.6	13.0#



#81
Butylbenzylphthalate
Concen: 7.321 ng/ul
RT: 20.55 min Scan# 2986
Delta R.T. -0.01 min
Lab File: BM022531.D
Acq: 05 Sep 2019 21:06

Tgt Ion	Ratio	Lower	Upper
149	100		
91	156.2	55.4	83.0#
206	0.0	17.0	25.4#





#82

3,3'-Dichlorobenzidine

Concen: 2.917 ng/ul

RT: 21.33 min Scan# 3118

Delta R.T. 0.00 min

Lab File: BM022531.D

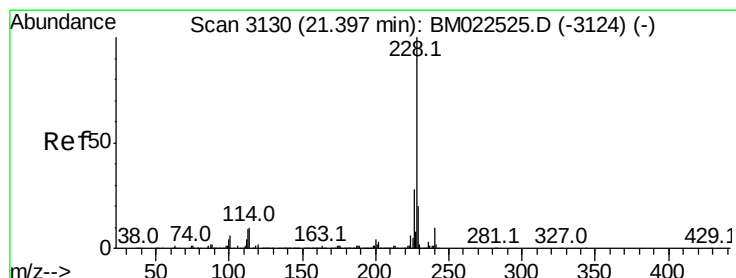
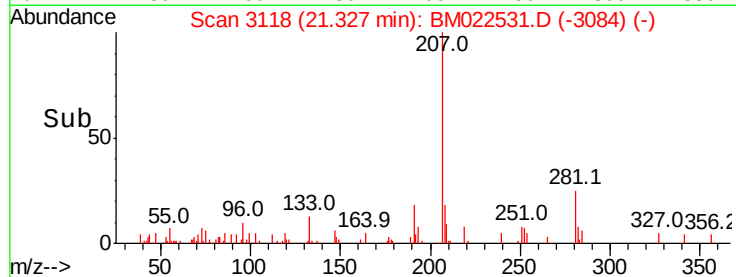
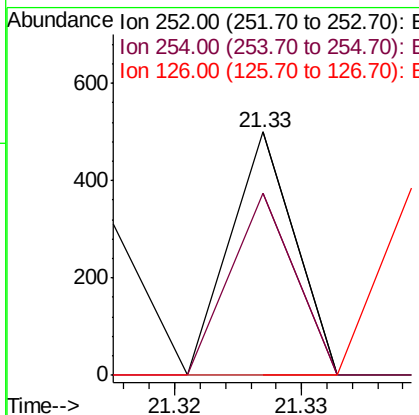
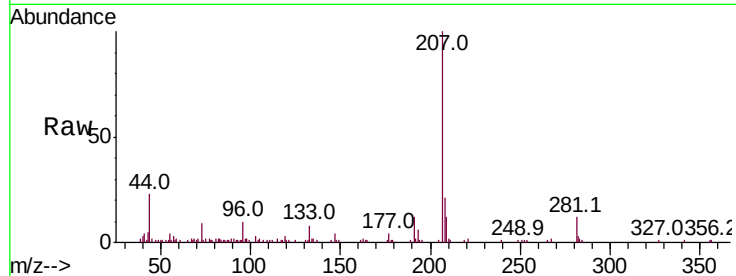
Acq: 05 Sep 2019 21:06

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	252	Resp:	177
Ion	Ratio	Lower	Upper
252	100		
254	74.6	51.2	76.8
126	0.0	8.6	13.0#



#83

Benzo(a)anthracene

Concen: 1.316 ng/ul

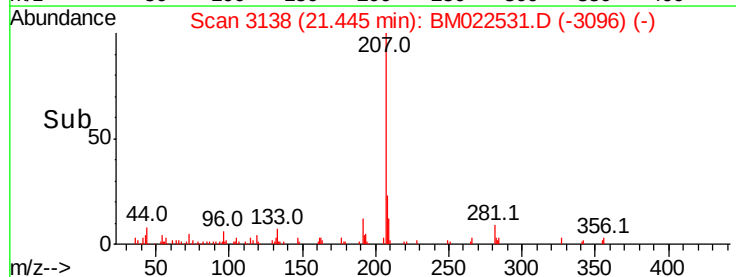
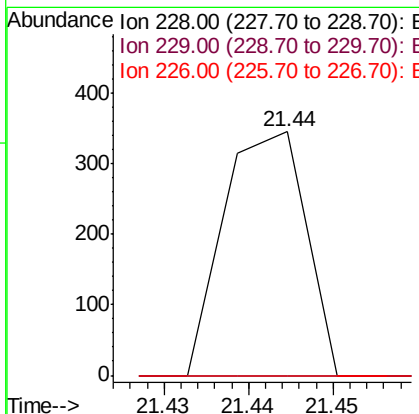
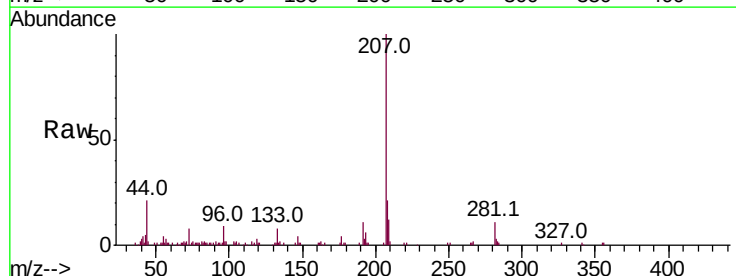
RT: 21.44 min Scan# 3138

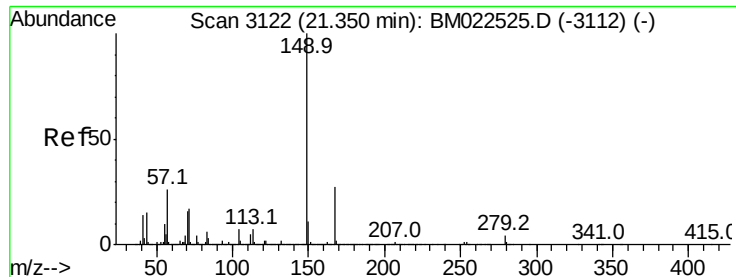
Delta R.T. 0.05 min

Lab File: BM022531.D

Acq: 05 Sep 2019 21:06

Tgt Ion:	228	Resp:	233
Ion	Ratio	Lower	Upper
228	100		
229	0.0	15.7	23.5#
226	0.0	22.2	33.2#





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.499 ng/ul

RT: 21.34 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BM022531.D

Acq: 05 Sep 2019 21:06

Instrument :

BNA_M

ClientSampleId :

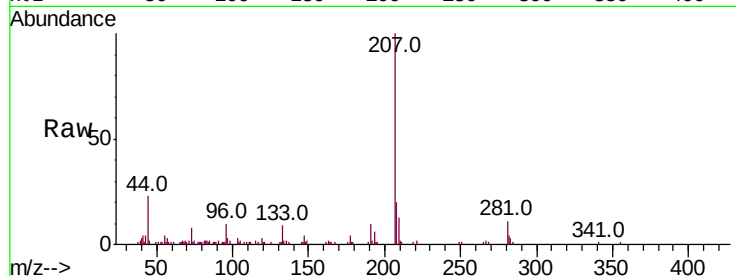
Tot Ion:149 Resp: 718

Ion Ratio Lower Upper

149 100

167 26.9 21.7 32.5

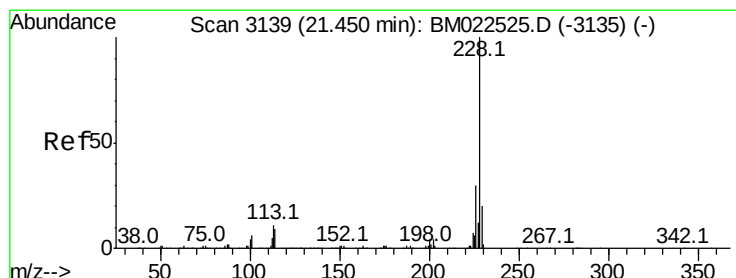
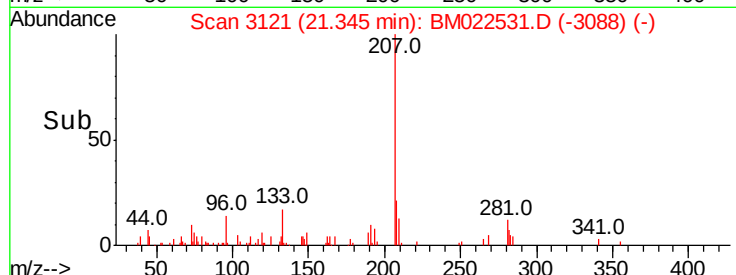
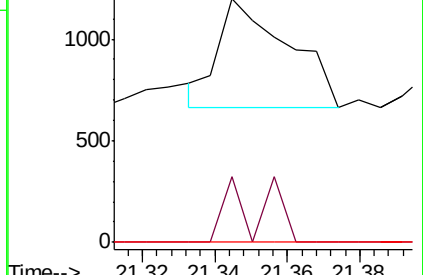
279 0.0 3.5 5.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 1.431 ng/ul

RT: 21.44 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BM022531.D

Acq: 05 Sep 2019 21:06

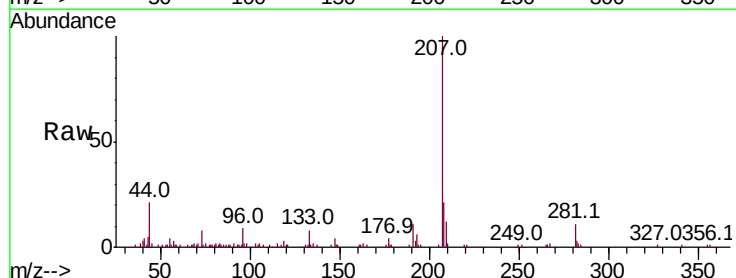
Tgt Ion:228 Resp: 233

Ion Ratio Lower Upper

228 100

226 0.0 24.2 36.4#

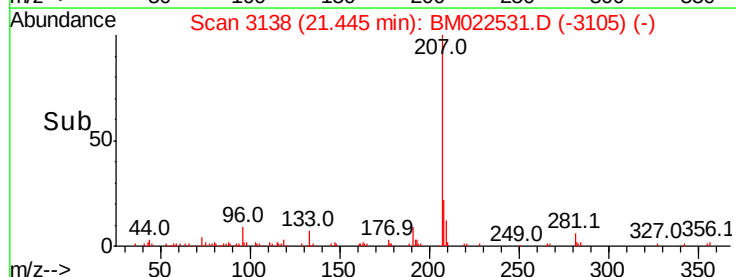
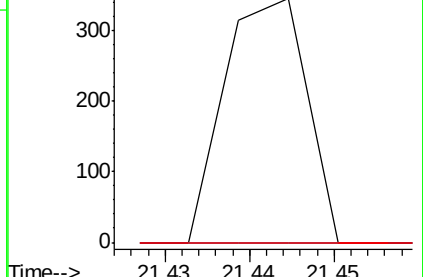
229 0.0 15.8 23.6#

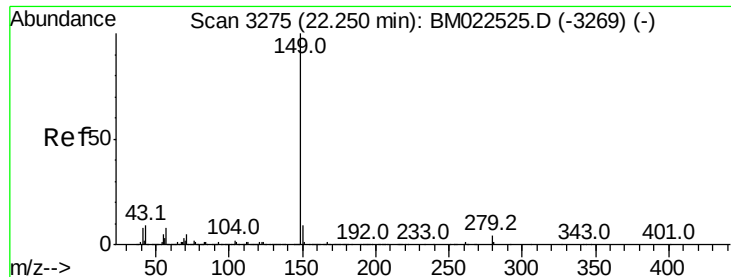


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

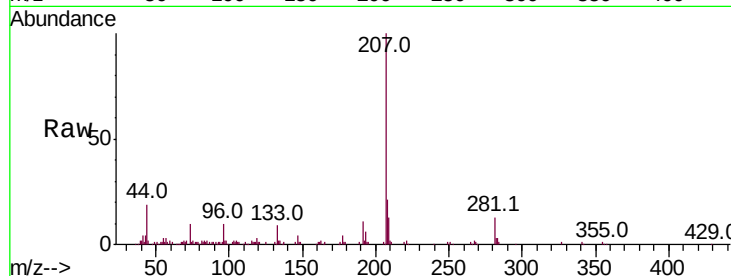




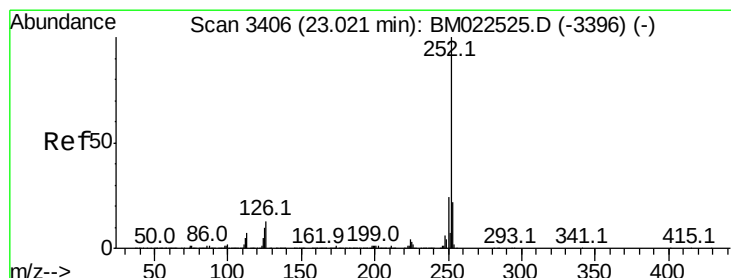
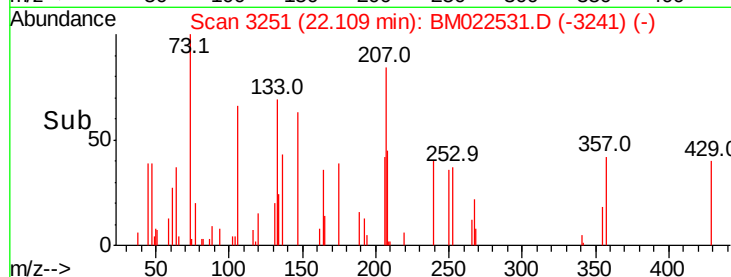
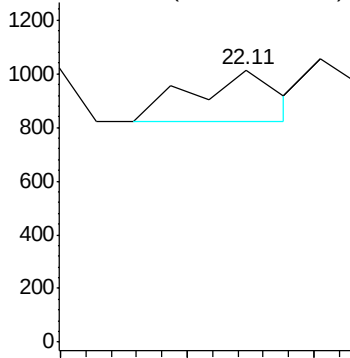
#87
Di-n-octyl phthalate
Concen: 0.001 ng/ul
RT: 22.11 min Scan# 3251
Delta R.T. -0.14 min
Lab File: BM022531.D
Acq: 05 Sep 2019 21:06

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:149 Resp: 181

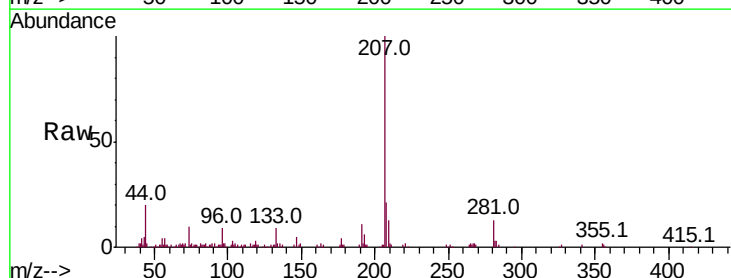


Abundance Ion 149.00 (148.70 to 149.70): E

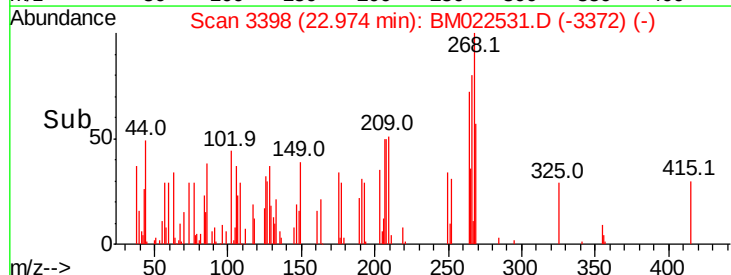
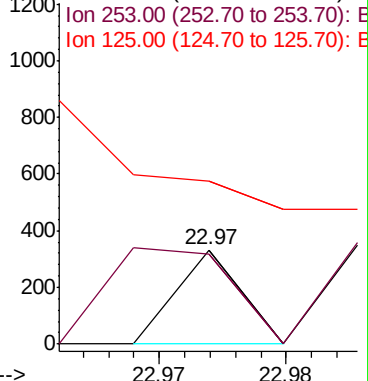


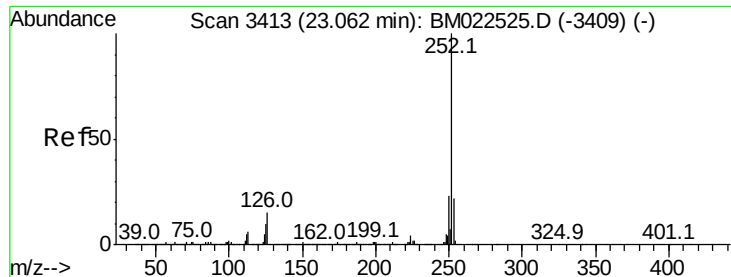
#88
Benzo(b)fluoranthene
Concen: 0.001 ng/ul
RT: 22.97 min Scan# 3398
Delta R.T. -0.05 min
Lab File: BM022531.D
Acq: 05 Sep 2019 21:06

Tgt Ion:252 Resp: 117
Ion Ratio Lower Upper
252 100
253 95.2 17.8 26.6#
125 173.3 8.0 12.0#



Abundance Ion 252.00 (251.70 to 252.70): E





#89

Benzo(k)fluoranthene

Concen: 0.001 ng/ul

RT: 22.97 min Scan# 3398

Delta R.T. -0.09 min

Lab File: BM022531.D

Acq: 05 Sep 2019 21:06

Instrument :

BNA_M

ClientSampleId :

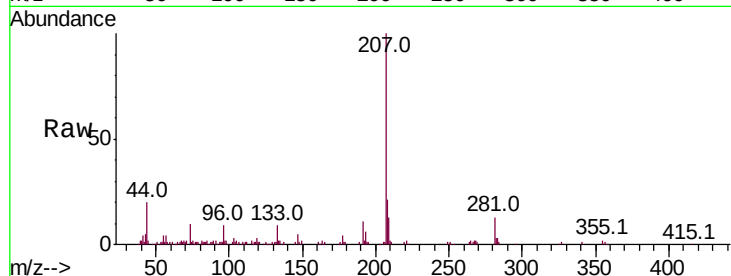
Tot Ion:252 Resp: 117

Ion Ratio Lower Upper

252 100

253 95.2 17.4 26.2#

125 173.3 8.2 12.2#

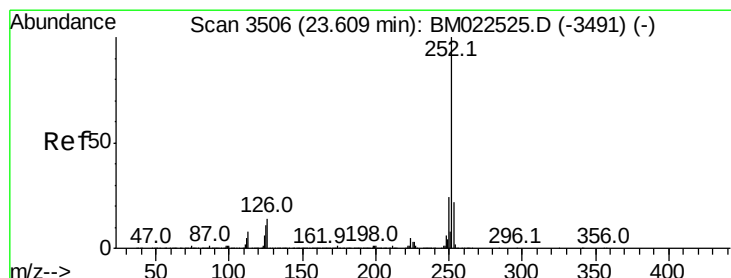
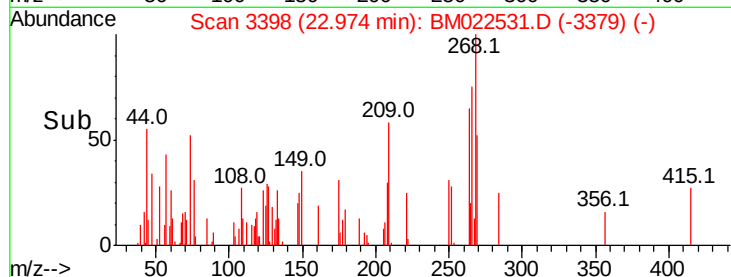
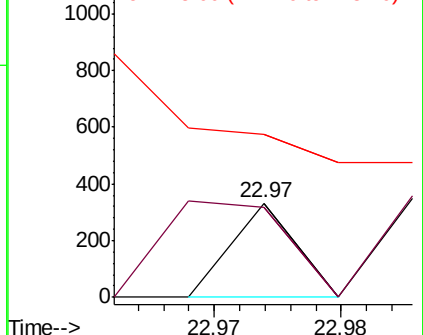


Abundance

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

Benzo(a)pyrene

Concen: 0.052 ng/ul

RT: 23.56 min Scan# 3498

Delta R.T. -0.05 min

Lab File: BM022531.D

Acq: 05 Sep 2019 21:06

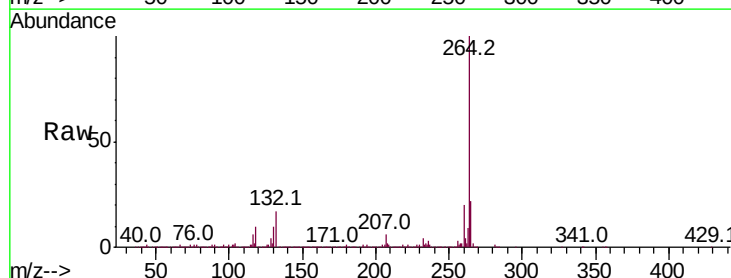
Tgt Ion:252 Resp: 9986

Ion Ratio Lower Upper

252 100

253 30.2 17.5 26.3#

125 23.9 8.9 13.3#



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

