

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
 Data File : BM022311.D
 Acq On : 25 Aug 2019 02:57
 Operator : HP/JU
 Sample : K4373-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AD4

Manual Integrations
 APPROVED

mohammad
 8/26/2019 8:31:21 AM

Quant Time: Aug 26 02:48:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 26 01:32:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	39986	20.00	ng/ul	0.00
18) Naphthalene-d8	10.33	136	182940	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.21	164	131767	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.97	188	309437	20.00	ng/ul	0.00
77) Chrysene-d12	21.18	240	325711	20.00	ng/ul	0.00
85) Perylene-d12	23.37	264	278728	20.00	ng/ul	0.00

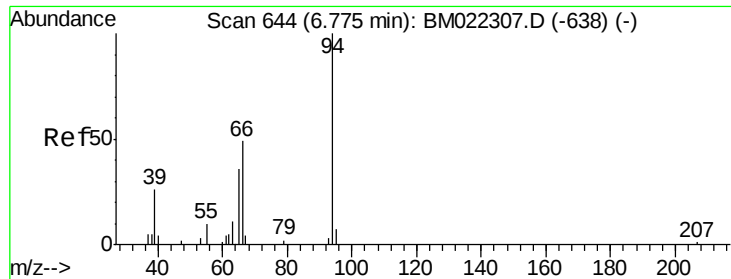
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	4146	4.64	ng/uL	0.00
5) Phenol-d5	6.75	99	21380	6.20	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.91	67	56484	28.14	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	70085	25.15	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	47295	15.81	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	44830	32.87	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	54859	34.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	102054	31.58	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	20833m	5.30	ng/ul	0.01
43) Dimethylphthalate-d6	13.64	166	385322	33.21	ng/ul	0.00
46) Acenaphthylene-d8	13.90	160	403205	32.26	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	12022	6.99	ng/ul	0.03
57) Fluorene-d10	15.22	176	334788	34.79	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	56144	23.51	ng/ul	0.00
70) Anthracene-d10	17.07	188	590098	36.01	ng/ul	0.00
78) Pyrene-d10	19.39	212	748317	44.21	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.24	264	548214	35.80	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.78	94	4579	1.239	ng/ul#	73
24) 2,4-Dimethylphenol	9.56	107	22167	5.421	ng/ul#	90
28) Naphthalene	10.39	128	3191521	316.124	ng/ul	99
34) 2-Methylnaphthalene	12.00	142	110643	14.224	ng/ul	99
40) 1,1'-Biphenyl	13.03	154	74661	6.962	ng/ul	96
44) Dimethylphthalate	13.69	163	43627	3.695	ng/ul	99
47) Acenaphthylene	13.93	152	49662	3.832	ng/ul#	86
49) Acenaphthene	14.29	153	1819041	197.686	ng/ul	99
53) Dibenzofuran	14.62	168	1134369	82.770	ng/ul	94
58) Fluorene	15.27	166	587476	50.893	ng/ul	99
69) Phenanthrene	17.02	178	1542643	83.332	ng/ul	99
71) Anthracene	17.11	178	241281	12.525	ng/ul	100
74) Carbazole	17.40	167	276777	15.907	ng/ul	99
76) Fluoranthene	19.05	202	709993	25.451	ng/ul	98
79) Pyrene	19.42	202	455500	21.606	ng/ul	97
82) Benzo(a)anthracene	21.17	228	87664	3.576	ng/ul	96
84) Chrysene	21.22	228	62374	2.721	ng/ul	96
87) Benzo(b)fluoranthene	22.72	252	45235	2.333	ng/ul#	91
90) Benzo(a)pyrene	23.28	252	26598	1.439	ng/ul#	89

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



#6

Phenol

Concen: 1.239 ng/ul

RT: 6.78 min Scan# 645

Delta R.T. 0.01 min

Lab File: BM022311.D

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Instrument :

BNA_M

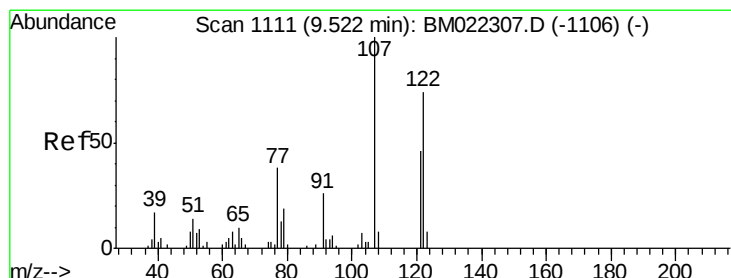
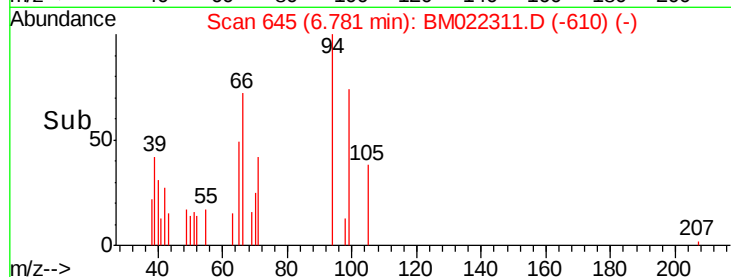
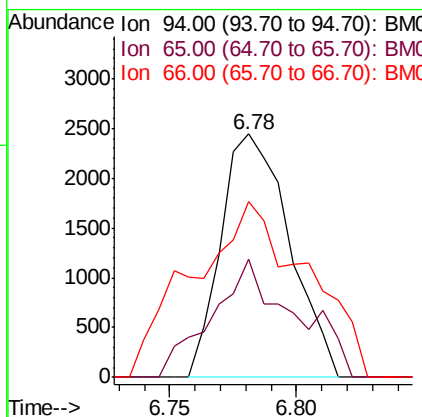
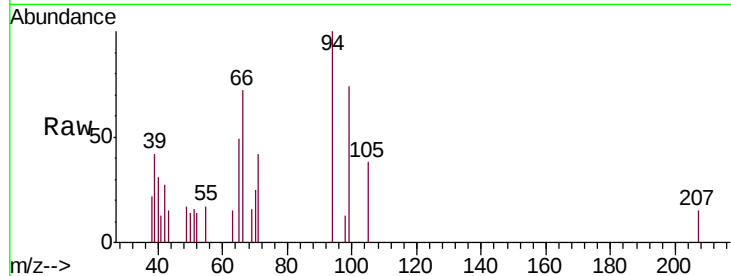
ClientSampled :

C0AD4

Tot Ion:	94	Resp:	4579
Ion	Ratio	Lower	Upper
94	100		
65	48.5	29.2	43.8#
66	72.3	40.6	60.8#

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#24

2,4-Dimethylphenol

Concen: 5.421 ng/ul

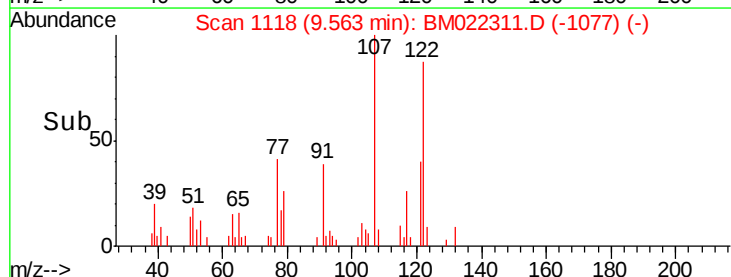
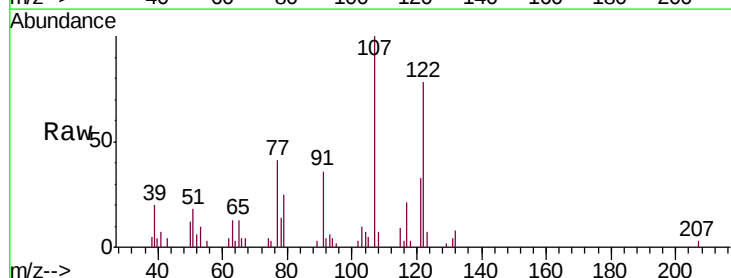
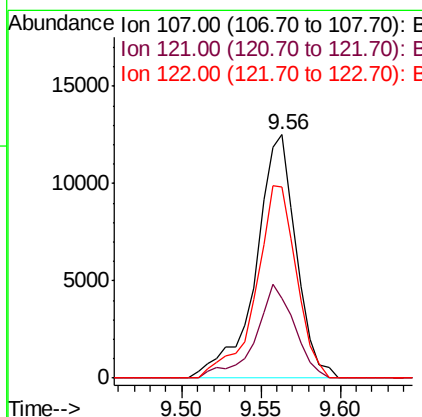
RT: 9.56 min Scan# 1118

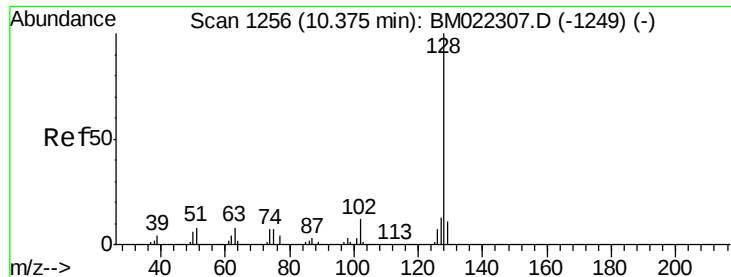
Delta R.T. 0.04 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

Tgt Ion:	107	Resp:	22167
Ion	Ratio	Lower	Upper
107	100		
121	33.0	33.6	50.4#
122	78.3	58.0	87.0





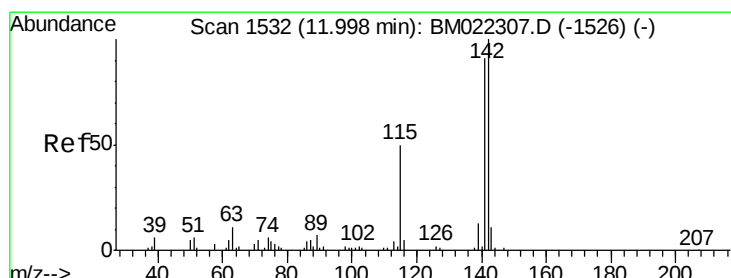
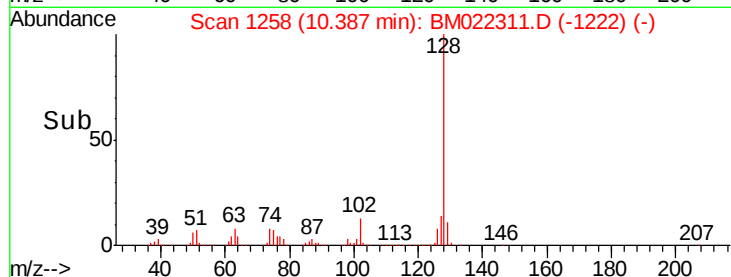
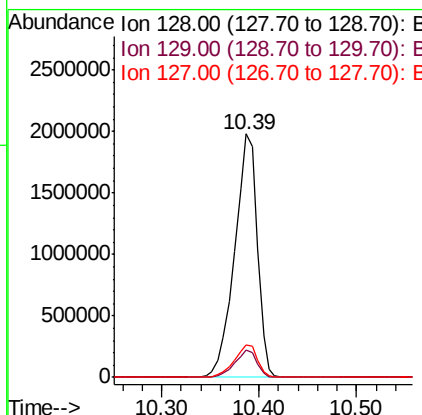
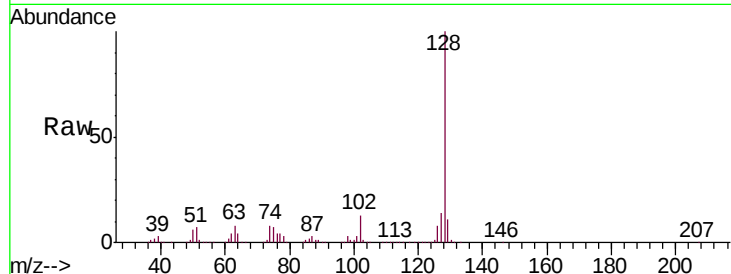
#28
Naphthalene
Concen: 316.124 ng/ul
RT: 10.39 min Scan# 1258
Delta R.T. 0.01 min
Lab File: BM022311.D
Acq: 25 Aug 2019 02:57

Instrument :
BNA_M
ClientSampled :
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Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.5	10.4	15.6

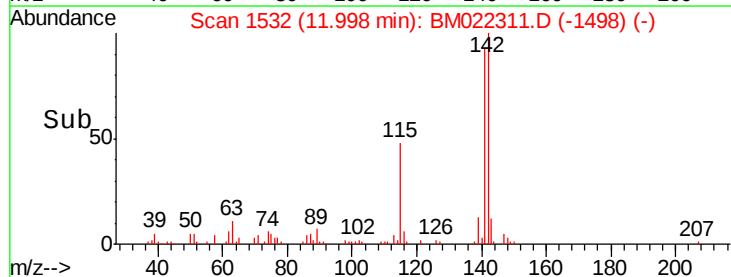
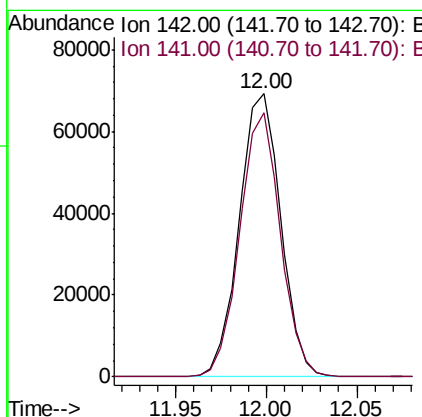
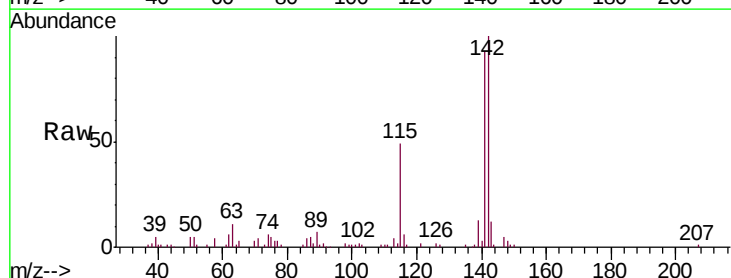
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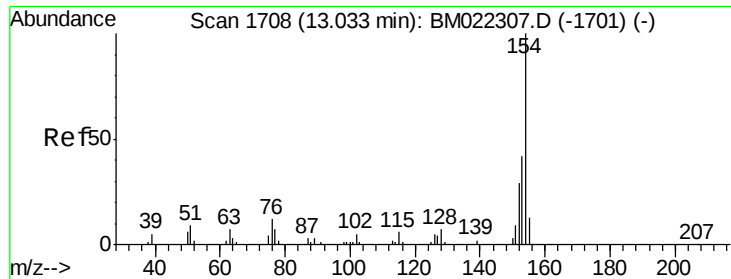
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#34
2-Methylnaphthalene
Concen: 14.224 ng/ul
RT: 12.00 min Scan# 1532
Delta R.T. 0.00 min
Lab File: BM022311.D
Acq: 25 Aug 2019 02:57

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.2	75.1	112.7





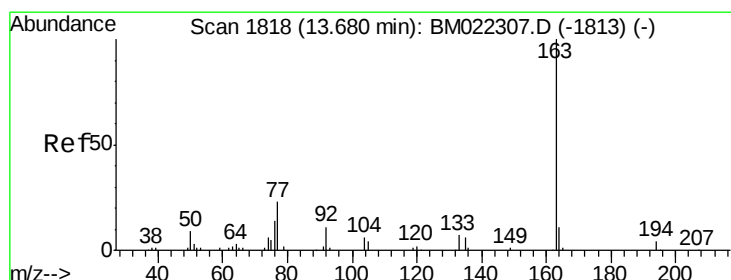
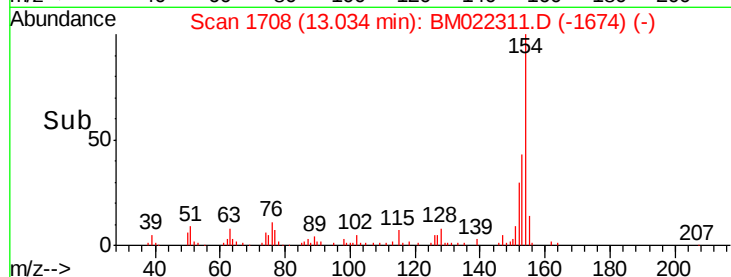
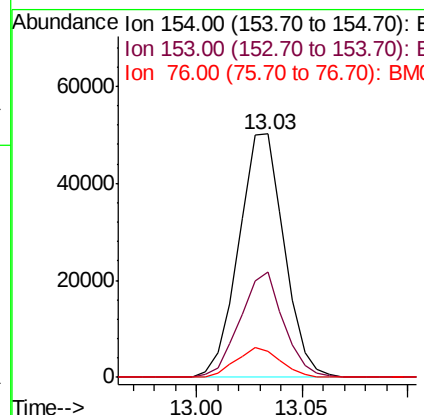
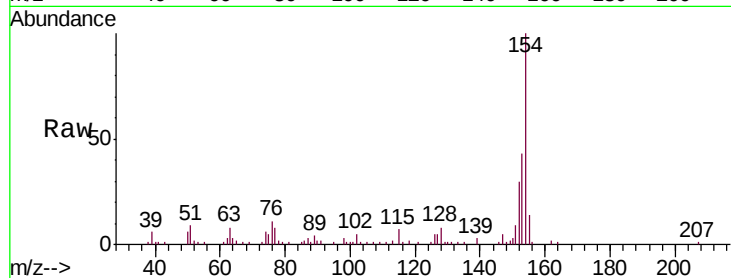
#40
1,1'-Biphenyl
Concen: 6.962 ng/ul
RT: 13.03 min Scan# 1708
Delta R.T. 0.00 min
Lab File: BM022311.D
Acq: 25 Aug 2019 02:57

Instrument :
BNA_M
ClientSampleId :
C0AD4

Tot Ion	Ratio	Lower	Upper
154	100		
153	43.1	32.5	48.7
76	10.6	9.2	13.8

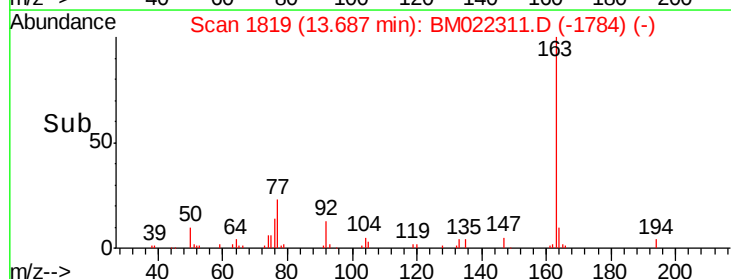
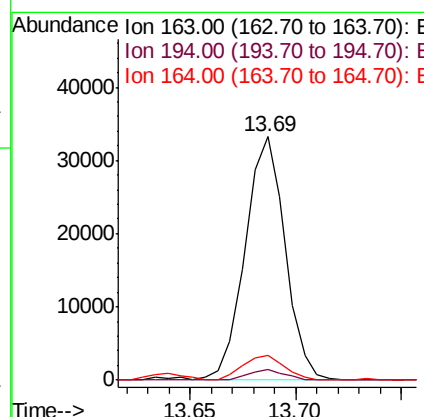
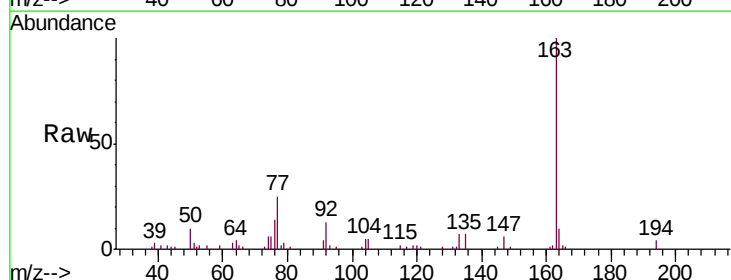
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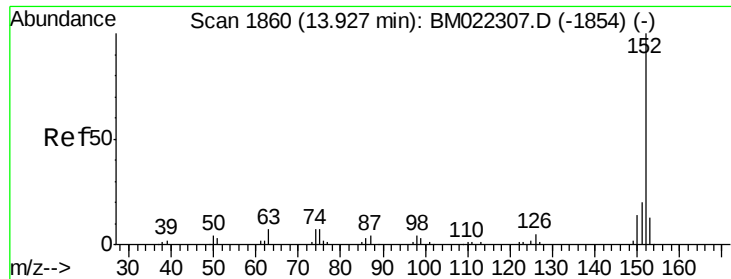
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#44
Dimethylphthalate
Concen: 3.695 ng/ul
RT: 13.69 min Scan# 1819
Delta R.T. 0.01 min
Lab File: BM022311.D
Acq: 25 Aug 2019 02:57

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.0	4.6
164	10.0	7.8	11.8





#47

Acenaphthylene

Concen: 3.832 ng/ul

RT: 13.93 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

Instrument :

BNA_M

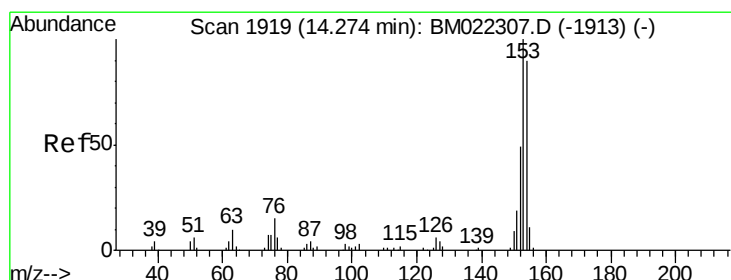
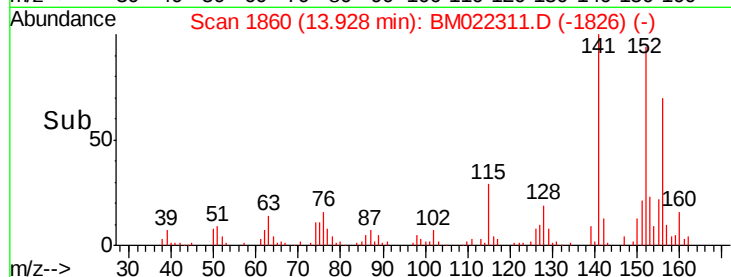
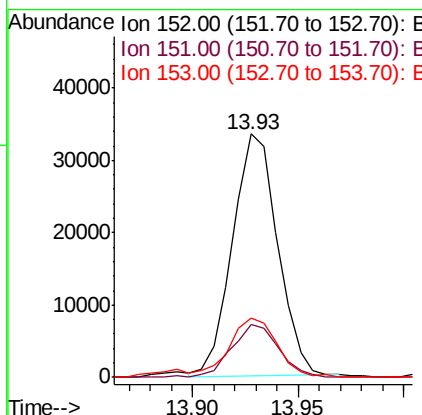
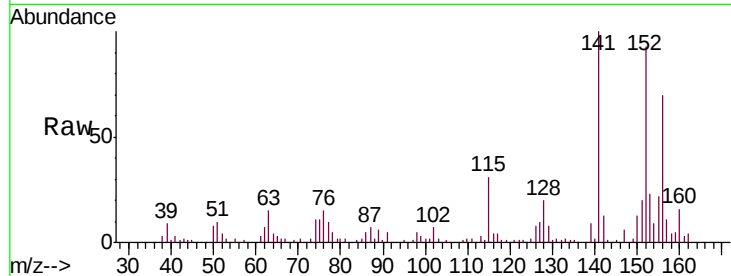
ClientSampleId :

C0AD4

Tot Ion:	152	Resp:	49662
Ion Ratio	Lower	Upper	
152	100		
151	21.9	16.0	24.0
153	24.4	10.4	15.6

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#49

Acenaphthene

Concen: 197.686 ng/ul

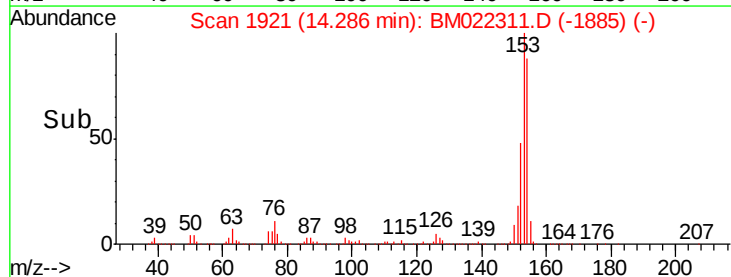
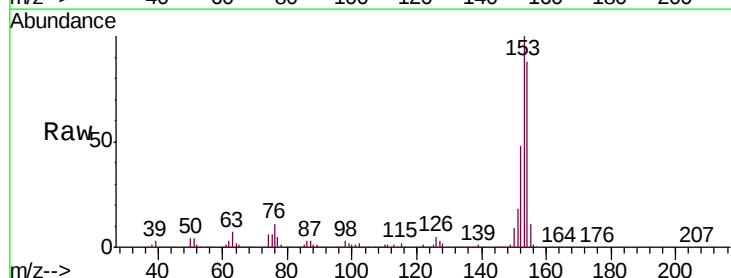
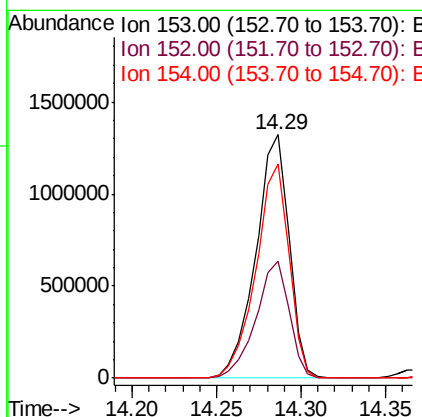
RT: 14.29 min Scan# 1921

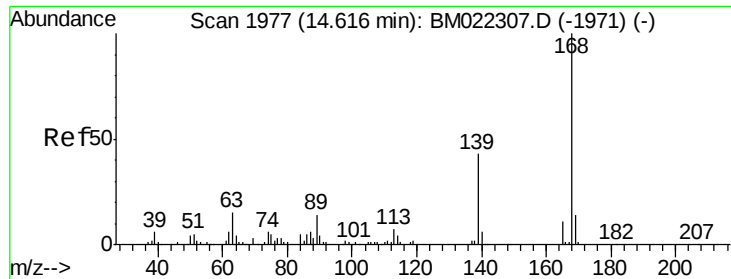
Delta R.T. 0.01 min

Lab File: BM022311.D

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Tgt Ion:	153	Resp:	1819041
Ion Ratio	Lower	Upper	
153	100		
152	48.1	38.6	58.0
154	87.8	68.9	103.3





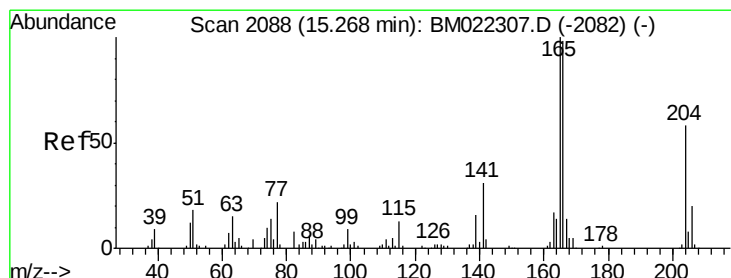
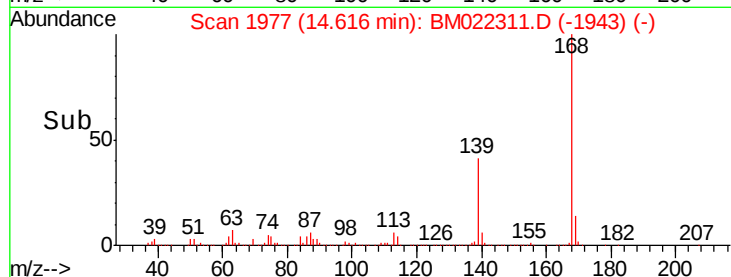
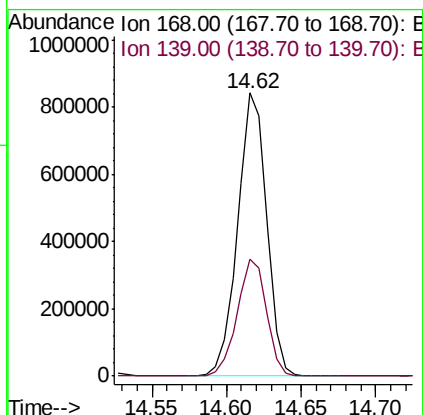
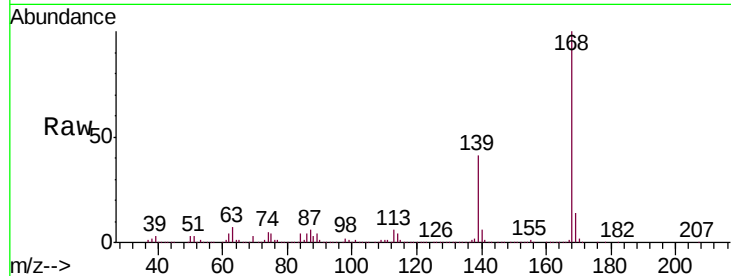
#53
Dibenzofuran
Concen: 82.770 ng/ul
RT: 14.62 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BM022311.D
Acq: 25 Aug 2019 02:57

Instrument :
BNA_M
ClientSampled :
C0AD4

Tot Ion:168 Resp: 1134369
Ion Ratio Lower Upper
168 100
139 41.3 36.2 54.4

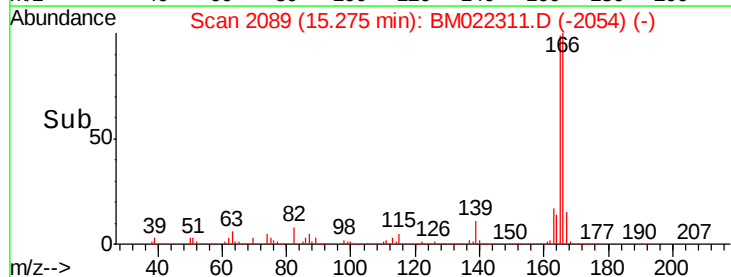
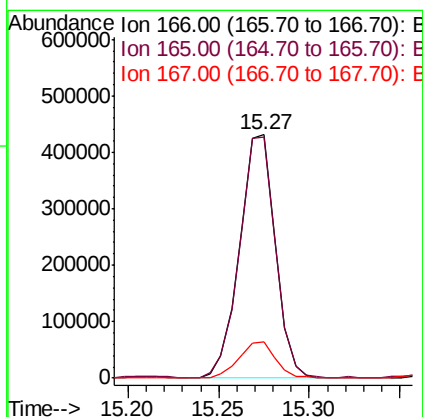
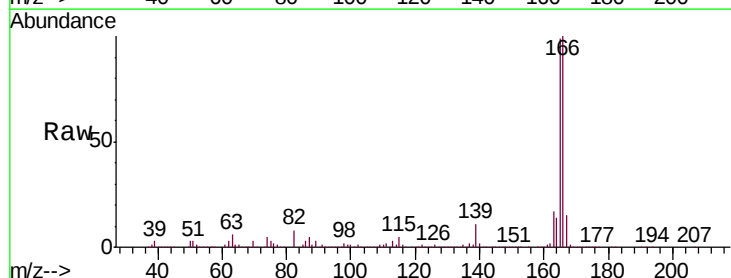
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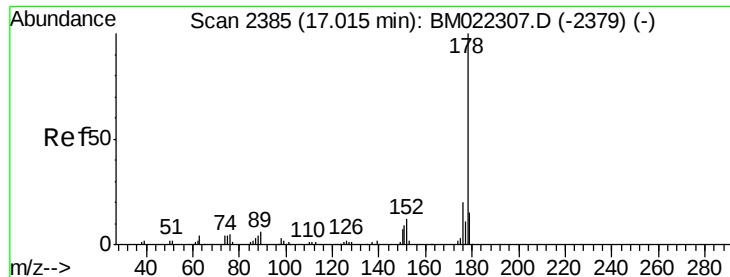
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#58
Fluorene
Concen: 50.893 ng/ul
RT: 15.27 min Scan# 2089
Delta R.T. 0.01 min
Lab File: BM022311.D
Acq: 25 Aug 2019 02:57

Tgt Ion:166 Resp: 587476
Ion Ratio Lower Upper
166 100
165 98.8 80.2 120.2
167 14.8 11.4 17.0





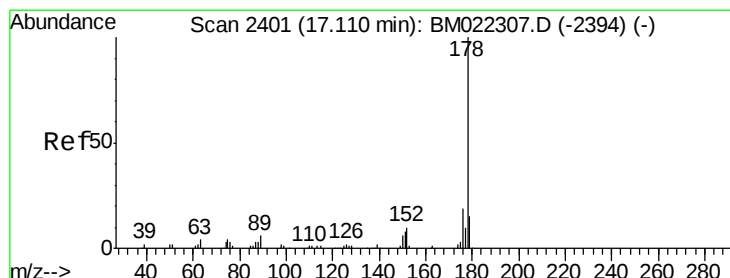
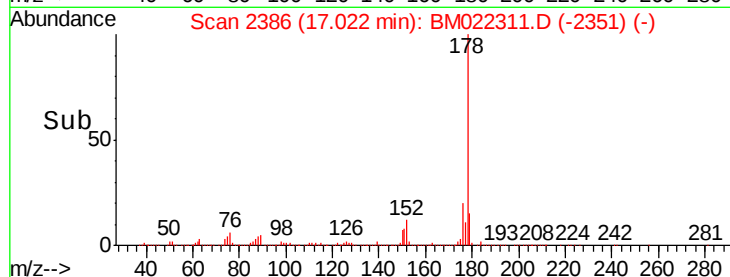
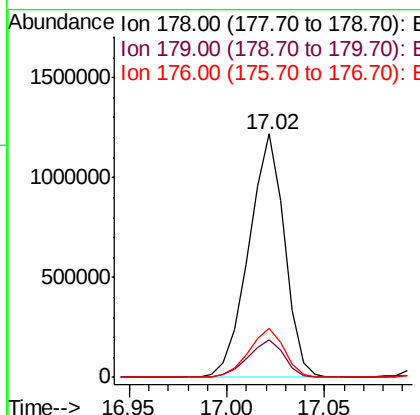
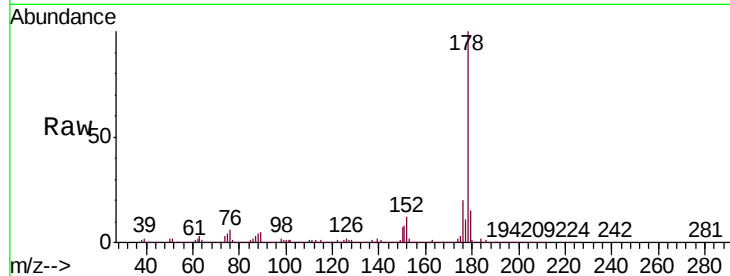
#69
Phenanthrene
Concen: 83.332 ng/ul
RT: 17.02 min Scan# 2386
Delta R.T. 0.01 min
Lab File: BM022311.D
Acq: 25 Aug 2019 02:57

Instrument :
BNA_M
ClientSampleId :
C0AD4

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.4	18.6
176	19.9	15.4	23.0

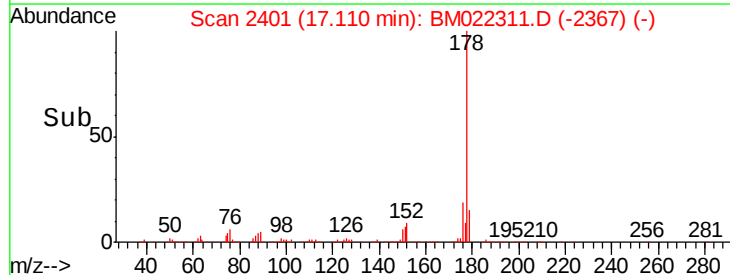
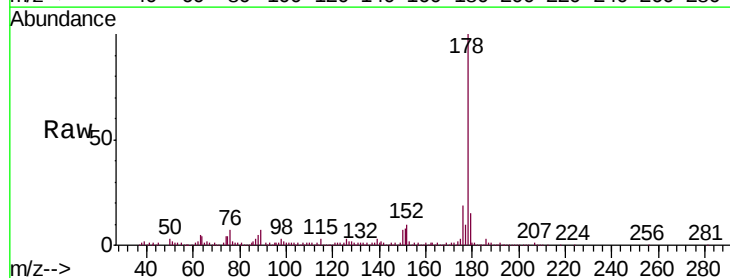
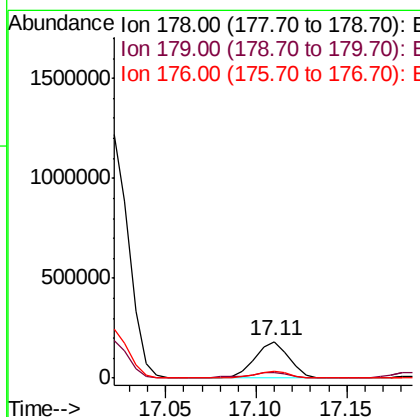
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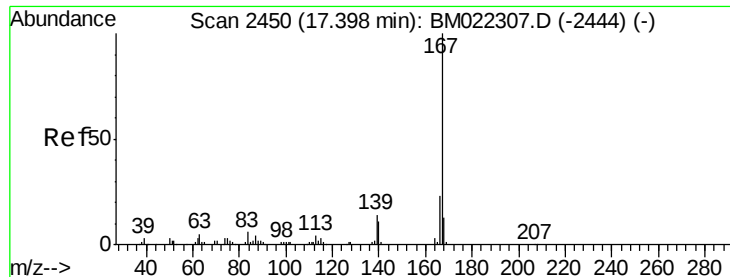
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#71
Anthracene
Concen: 12.525 ng/ul
RT: 17.11 min Scan# 2401
Delta R.T. 0.00 min
Lab File: BM022311.D
Acq: 25 Aug 2019 02:57

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	19.5	15.5	23.3





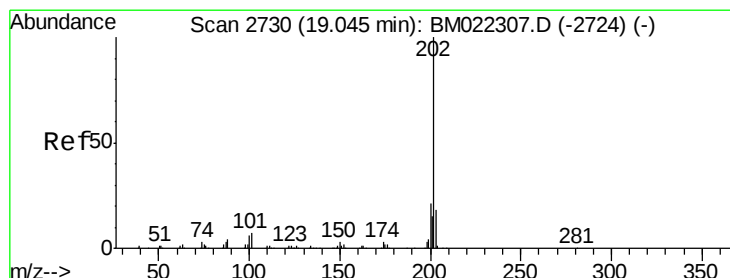
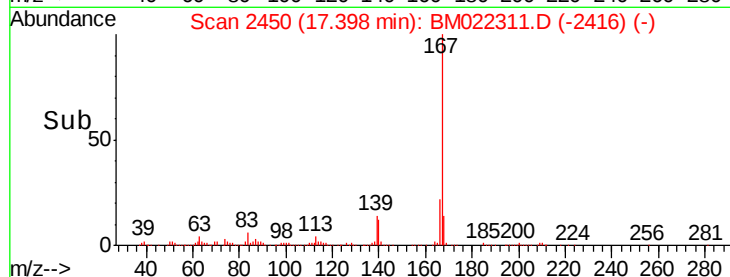
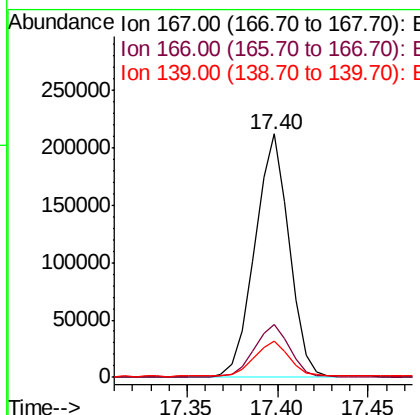
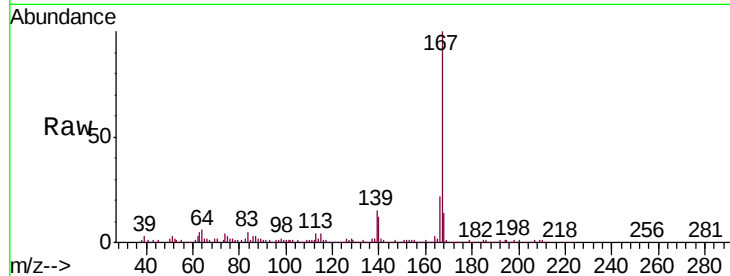
#74
 Carbazole
 Concen: 15.907 ng/ul
 RT: 17.40 min Scan# 2450
 Delta R.T. 0.00 min
 Lab File: BM022311.D
 Acq: 25 Aug 2019 02:57

Instrument :
 BNA_M
 ClientSampleId :
 C0AD4

Tot Ion:	167	Resp:	276777
Ion Ratio	Lower	Upper	
167	100		
166	21.9	17.8	26.8
139	14.6	11.8	17.8

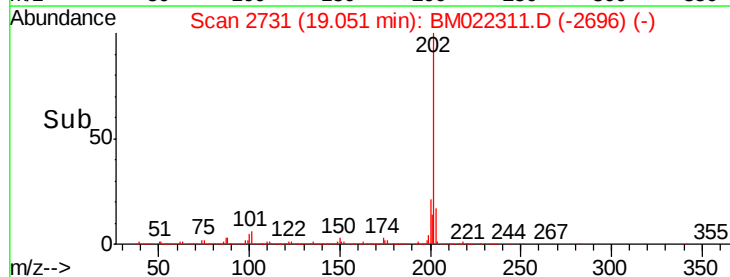
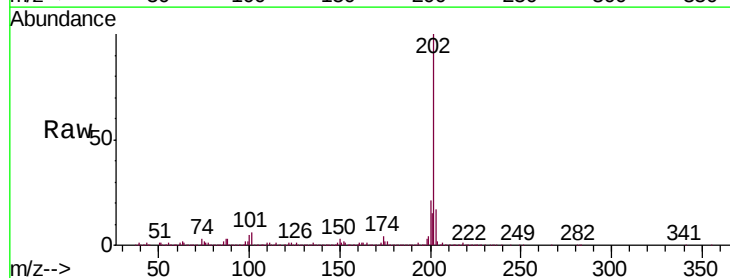
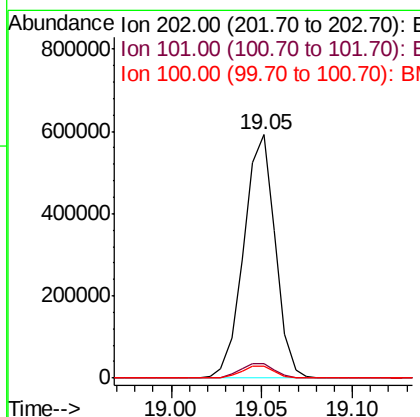
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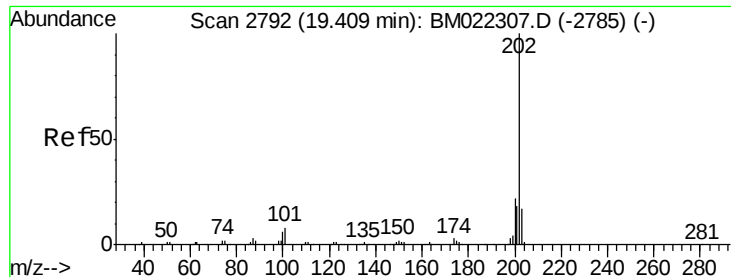
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#76
 Fluoranthene
 Concen: 25.451 ng/ul
 RT: 19.05 min Scan# 2731
 Delta R.T. 0.01 min
 Lab File: BM022311.D
 Acq: 25 Aug 2019 02:57

Tgt Ion:	202	Resp:	709993
Ion Ratio	Lower	Upper	
202	100		
101	6.1	5.3	7.9
100	4.7	4.6	6.8





#79

Pvrene

Concen: 21.606 ng/ul

RT: 19.42 min Scan# 2793

Delta R.T. 0.01 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

Instrument :

BNA_M

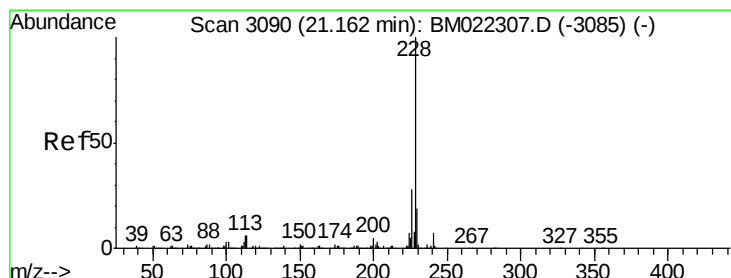
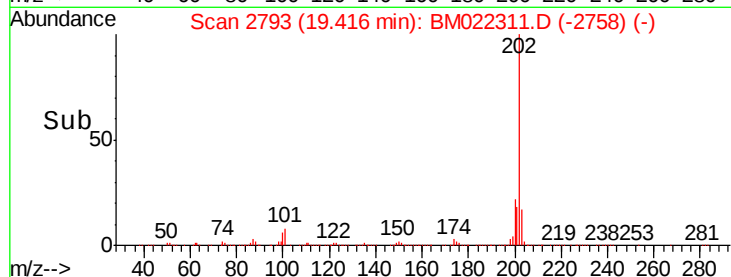
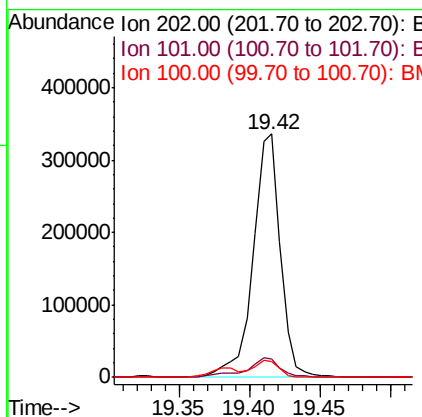
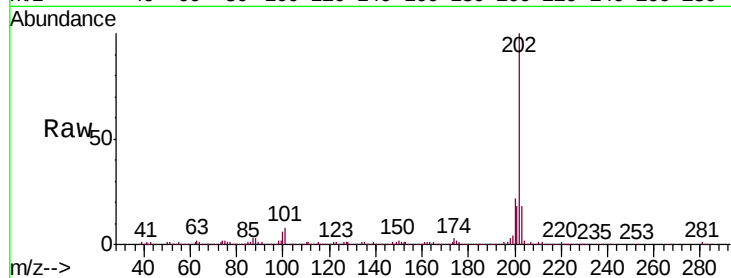
ClientSampleId :

C0AD4

Tot Ion:	202	Resp:	455500
Ion Ratio	Lower	Upper	
202	100		
101	7.7	7.0	10.4
100	6.4	5.8	8.8

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#82

Benzo(a)anthracene

Concen: 3.576 ng/ul

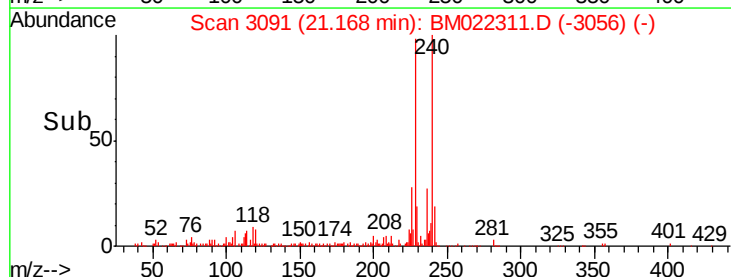
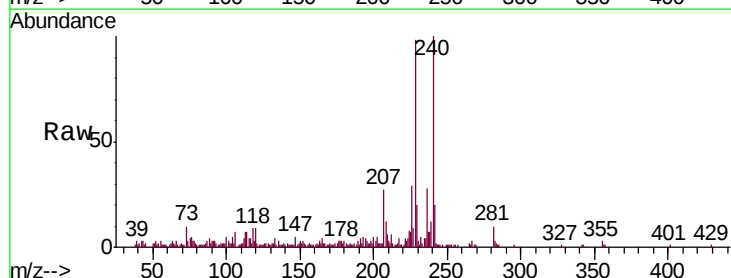
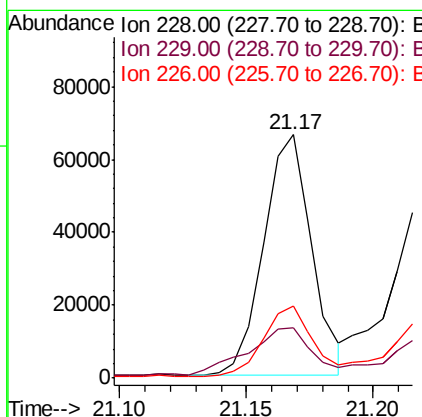
RT: 21.17 min Scan# 3091

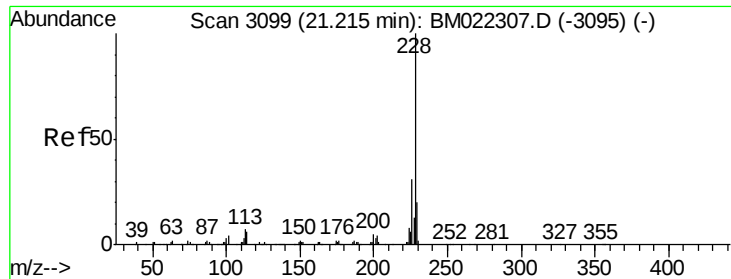
Delta R.T. 0.01 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

Tgt Ion:	228	Resp:	87664
Ion Ratio	Lower	Upper	
228	100		
229	20.9	15.2	22.8
226	29.7	22.3	33.5





#84

Chrysene

Concen: 2.721 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

Instrument :

BNA_M

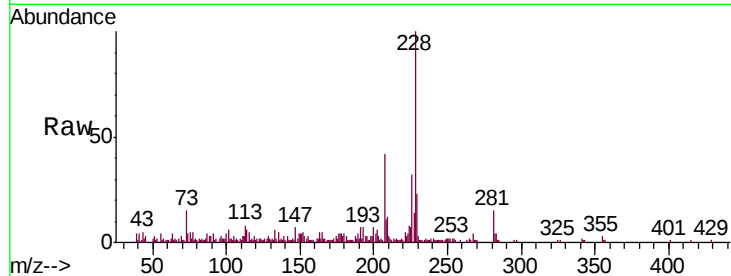
ClientSampleId :

C0AD4

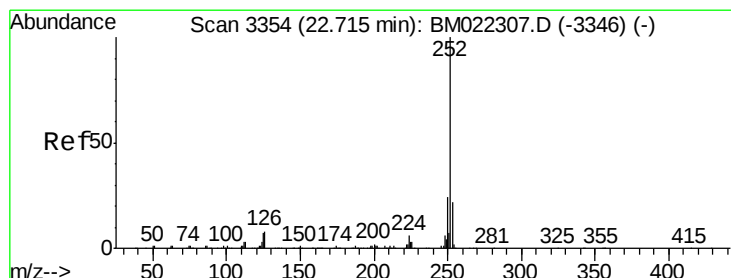
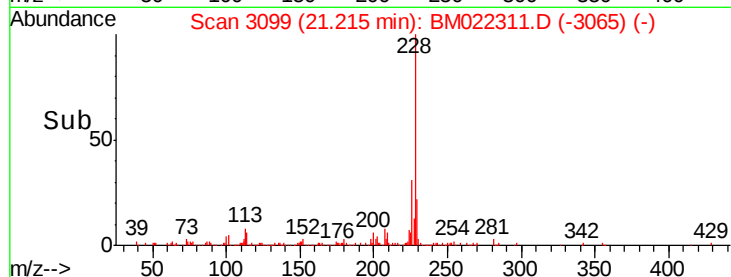
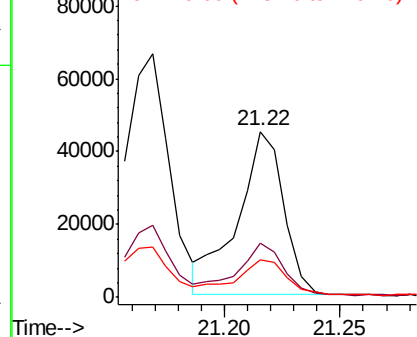
Tot Ion:	228	Resp:	62374
Ion Ratio	Lower	Upper	
228	100		
226	32.3	24.7	37.1
229	22.6	15.7	23.5

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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

Benzo(b)fluoranthene

Concen: 2.333 ng/ul

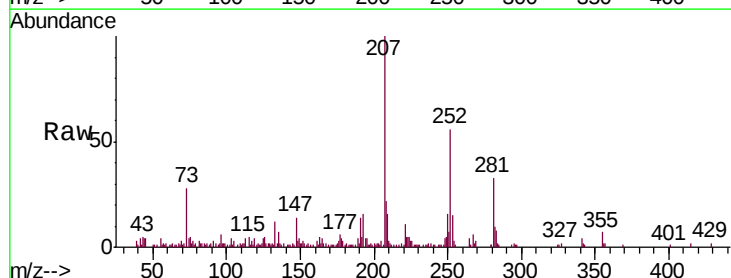
RT: 22.72 min Scan# 3355

Delta R.T. 0.01 min

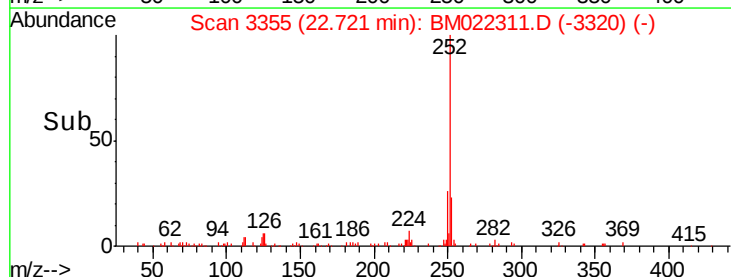
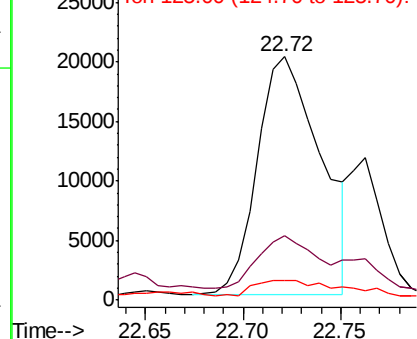
Lab File: BM022311.D

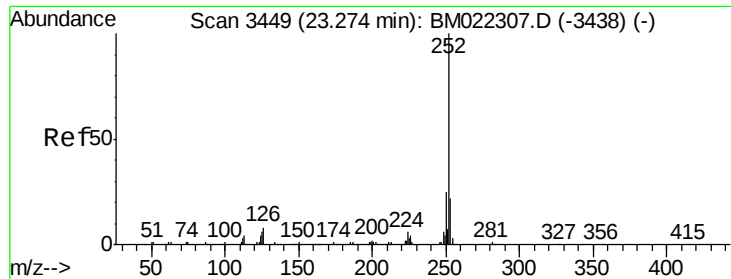
Acq: 25 Aug 2019 02:57

Tgt Ion:	252	Resp:	45235
Ion Ratio	Lower	Upper	
252	100		
253	26.3	17.0	25.6#
125	7.8	5.2	7.8#



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: 1.439 ng/ul
 RT: 23.28 min Scan# 3450
 Delta R.T. 0.01 min
 Lab File: BM022311.D
 Acq: 25 Aug 2019 02:57

Instrument :
 BNA_M
 ClientSampleId :
 C0AD4

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	26.8	16.9	25.3#
125	9.9	5.5	8.3#

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