

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121719\
 Data File : BM024166.D
 Acq On : 18 Dec 2019 23:23
 Operator : JU
 Sample : K6171-09
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0BT1

Manual Integrations
 APPROVED

mohammad
 12/19/2019 11:16:08 AM

Quant Time: Dec 19 03:33:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 17 15:54:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	515481	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	2356406	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.11	164	1488567	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.87	188	3005544	20.00	ng/ul	0.00
78) Chrysene-d12	21.08	240	2097146	20.00	ng/ul	0.00
86) Perylene-d12	23.21	264	2125688	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.01	96	34058	2.92	ng/uL	0.00
5) Phenol-d5	6.65	99	772689	15.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	497394	16.99	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	613999	17.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	639838	16.04	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	313620	18.52	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	352058	18.91	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	640406	17.69	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	691528	15.73	ng/ul	0.00
44) Dimethylphthalate-d6	13.53	166	2000411	18.17	ng/ul	0.00
47) Acenaphthylene-d8	13.80	160	2495387	18.92	ng/ul	0.00
52) 4-Nitrophenol-d4	14.36	143	172298	8.72	ng/ul	0.00
58) Fluorene-d10	15.11	176	1795287	18.60	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.26	200	137157	7.48	ng/ul	0.00
71) Anthracene-d10	16.96	188	2647503	19.36	ng/ul	0.00
79) Pyrene-d10	19.27	212	2582887	25.86	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.07	264	2121209	20.09	ng/ul	0.00

Target Compounds

					Ovalue
14) Acetophenone	8.28	105	67486	1.122	ng/ul 93
45) Dimethylphthalate	13.58	163	396464	3.466	ng/ul 100
50) Acenaphthene	14.17	153	560950	5.826	ng/ul 100
54) Dibenzofuran	14.51	168	510209	3.812	ng/ul 100
59) Fluorene	15.17	166	935329	8.275	ng/ul 99
70) Phenanthrene	16.91	178	11178384	66.434	ng/ul 98
72) Anthracene	17.00	178	3294231	19.474	ng/ul 99
75) Carbazole	17.27	167	540656	3.721	ng/ul 98
77) Fluoranthene	18.94	202	13687161m	74.632	ng/ul
80) Pyrene	19.31	202	11977926	87.488	ng/ul 98
83) Benzo(a)anthracene	21.06	228	4451032	33.312	ng/ul 99
85) Chrysene	21.11	228	3604644	27.523	ng/ul 98
88) Benzo(b)fluoranthene	22.58	252	4354949	34.240	ng/ul 97
89) Benzo(k)fluoranthene	22.61	252	1265504m	10.141	ng/ul
91) Benzo(a)pyrene	23.11	252	3097864	26.924	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	25.31	276	1936390	14.015	ng/ul 96
93) Dibenzo(a,h)anthracene	25.31	278	440074m	3.799	ng/ul
94) Benzo(g,h,i)perylene	25.95	276	1802525	15.979	ng/ul 99

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

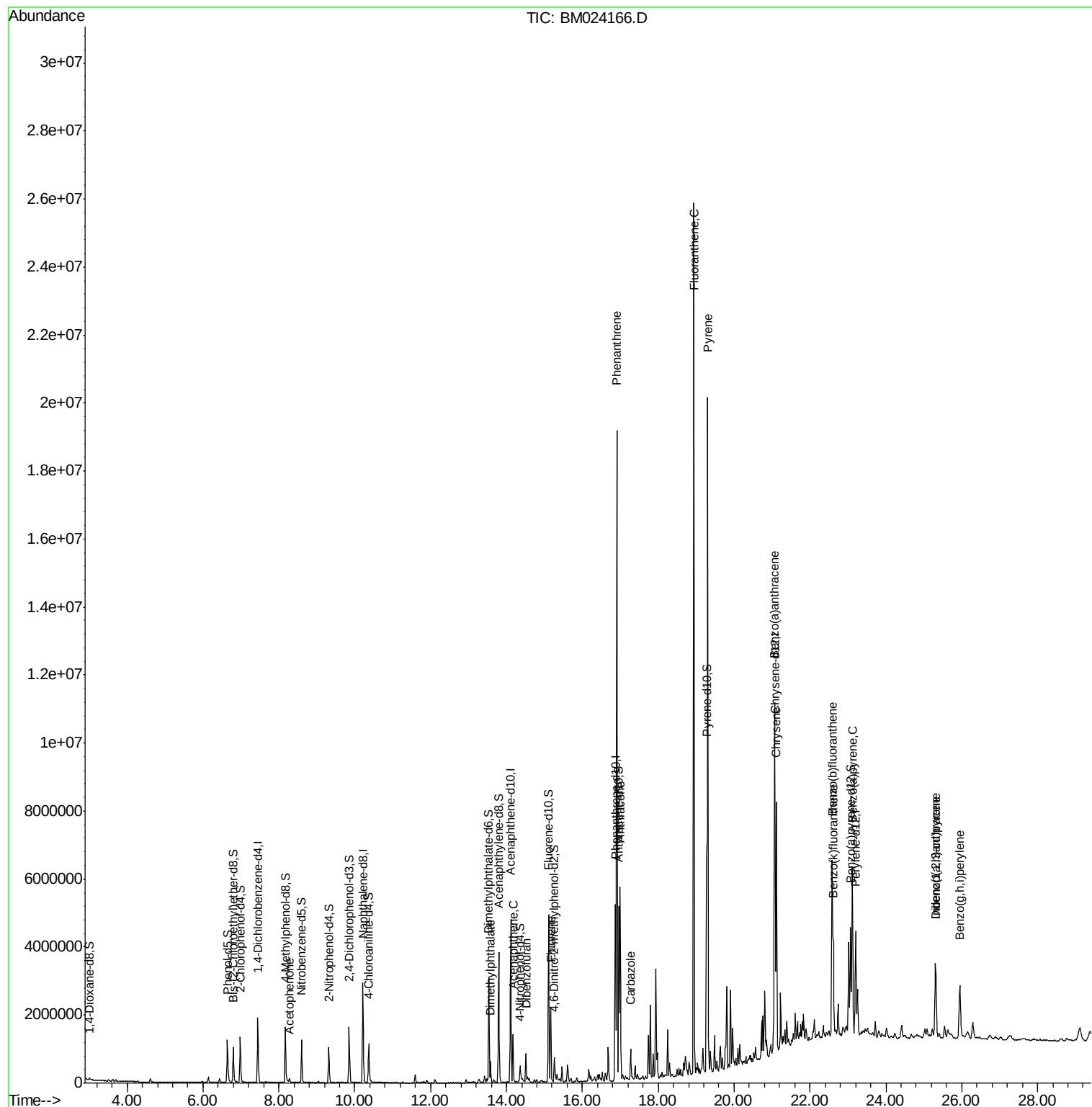
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121719\
Data File : BM024166.D
Acq On : 18 Dec 2019 23:23
Operator : JU
Sample : K6171-09
Misc :
ALS Vial : 40 Sample Multiplier: 1

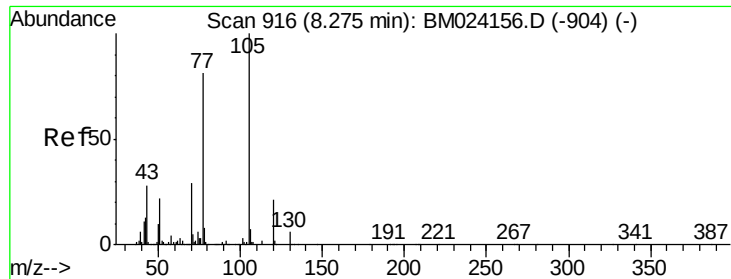
Instrument :
BNA_M
ClientSampleId :
C0BT1

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Quant Time: Dec 19 03:33:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 17 15:54:50 2019
Response via : Initial Calibration





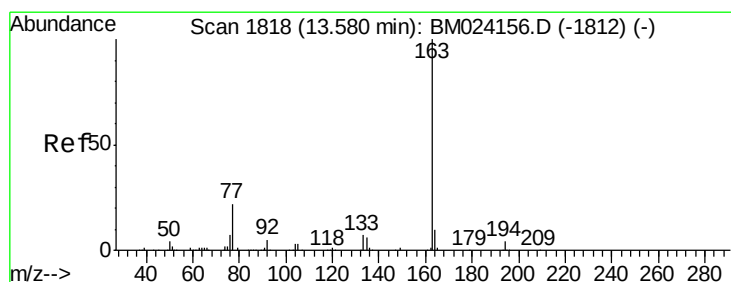
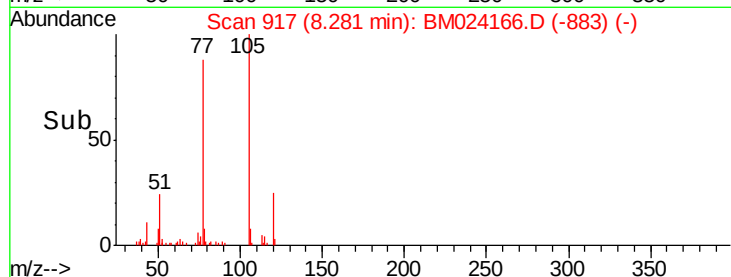
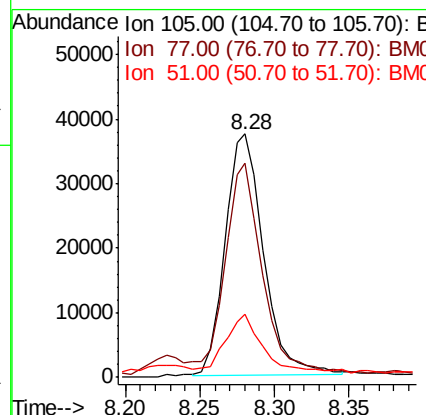
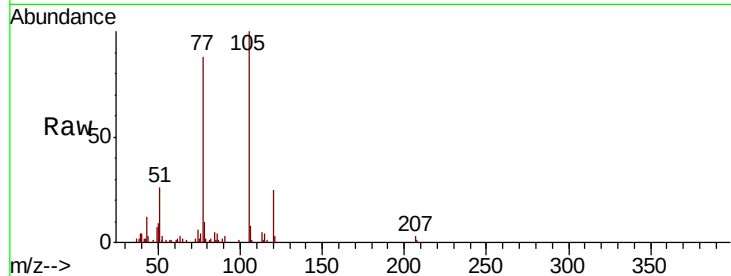
#14
Acetophenone
Concen: 1.122 ng/ul
RT: 8.28 min Scan# 917
Delta R.T. -0.00 min
Lab File: BM024166.D
Acq: 18 Dec 2019 23:23

Instrument :
BNA_M
ClientSampleId :
C0BT1

Tot Ion	Ratio	Resp	Lower	Upper
105	100	67486		
77	88.1	65.6	98.4	
51	25.7	18.3	27.5	

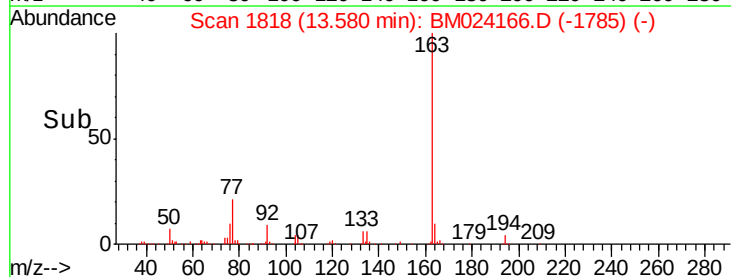
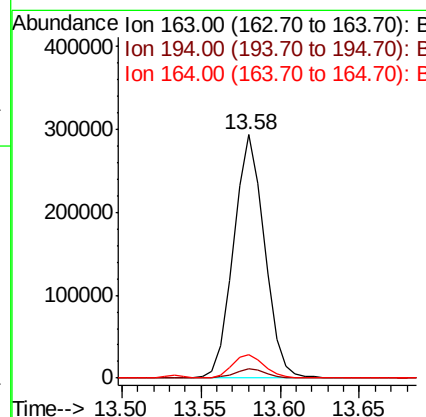
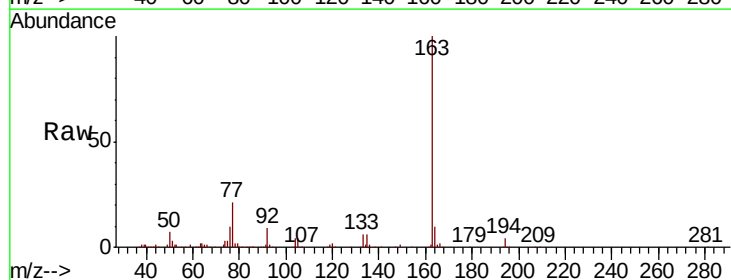
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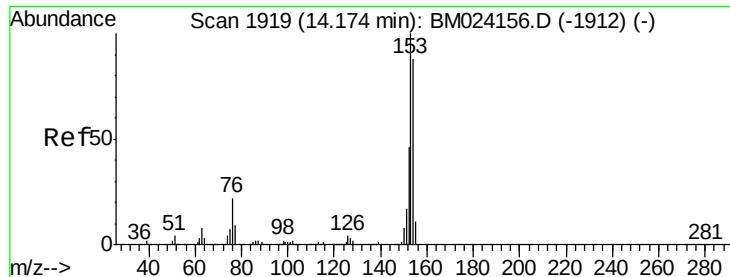
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#45
Dimethylphthalate
Concen: 3.466 ng/ul
RT: 13.58 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BM024166.D
Acq: 18 Dec 2019 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	396464		
194	3.9	3.2	4.8	
164	9.7	7.8	11.6	





#50

Acenaphthene

Concen: 5.826 ng/ul

RT: 14.17 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BM024166.D

Acq: 18 Dec 2019 23:23

Instrument :

BNA_M

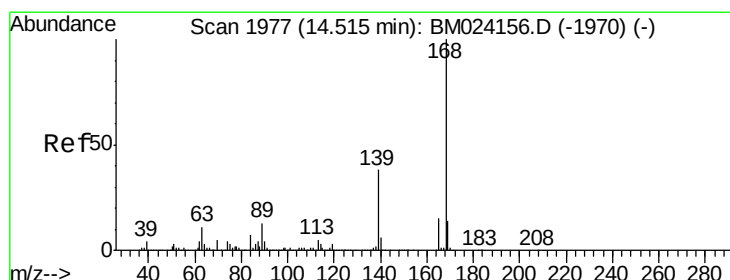
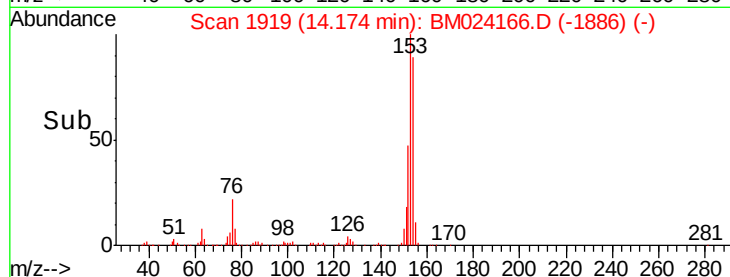
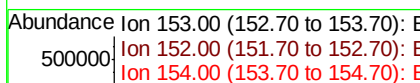
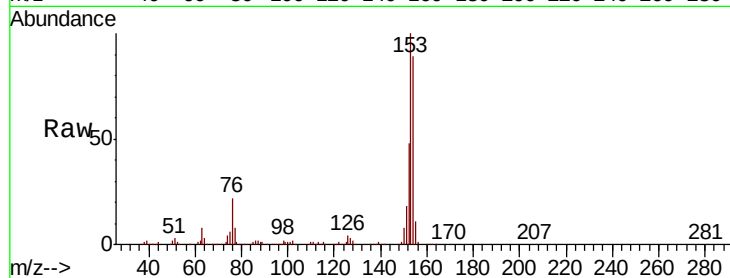
ClientSampleId :

C0BT1

Tot Ion:	153	Resp:	560950
Ion Ratio		Lower	Upper
153	100		
152	47.5	37.8	56.6
154	89.2	71.1	106.7

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#54

Dibenzofuran

Concen: 3.812 ng/ul

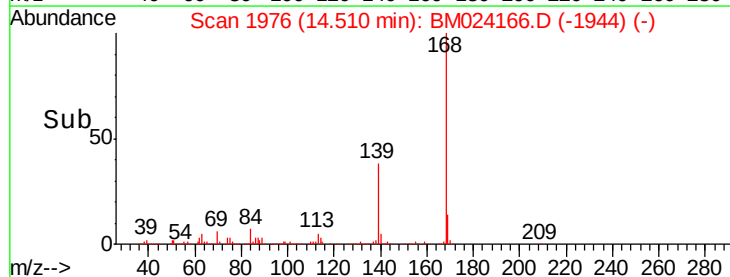
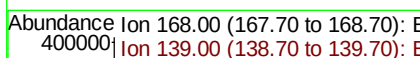
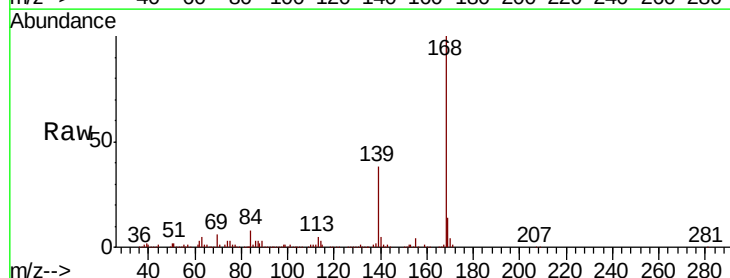
RT: 14.51 min Scan# 1976

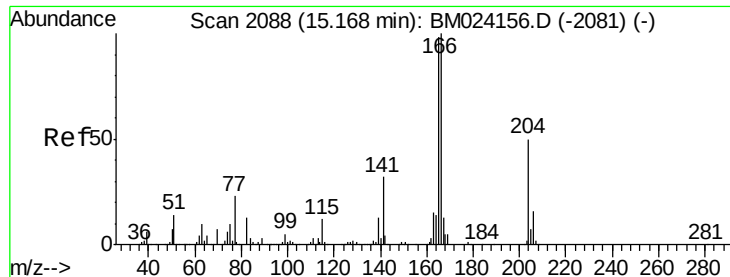
Delta R.T. -0.01 min

Lab File: BM024166.D

Acq: 18 Dec 2019 23:23

Tgt Ion:	168	Resp:	510209
Ion Ratio		Lower	Upper
168	100		
139	37.8	30.4	45.6





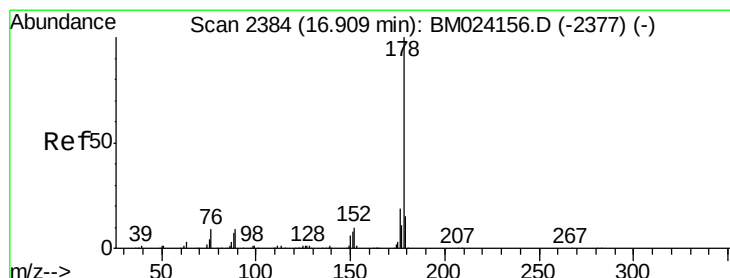
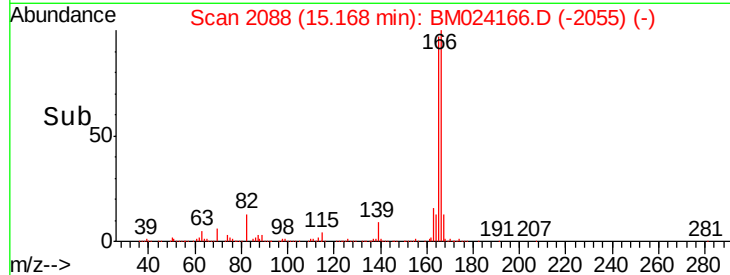
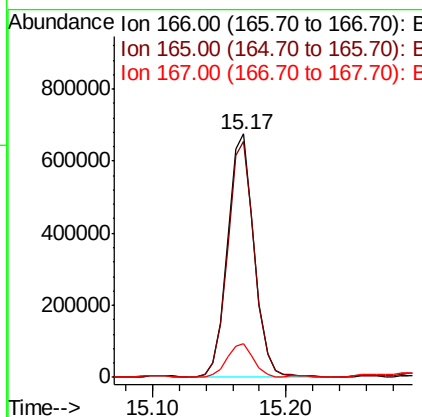
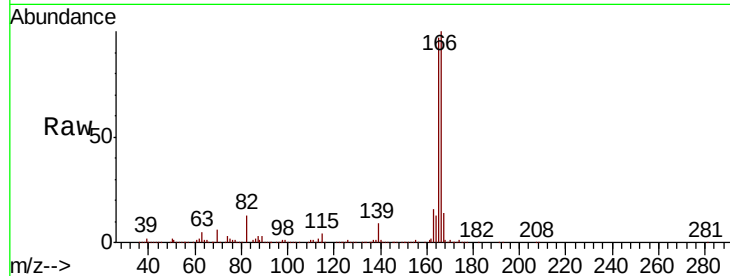
#59
 Fluorene
 Concen: 8.275 ng/ul
 RT: 15.17 min Scan# 2088
 Delta R.T. -0.01 min
 Lab File: BM024166.D
 Acq: 18 Dec 2019 23:23

Instrument :
 BNA_M
 ClientSampleId :
 C0BT1

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.3	117.5
167	13.6	10.4	15.6

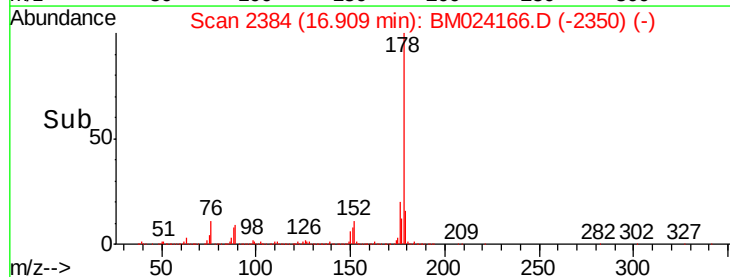
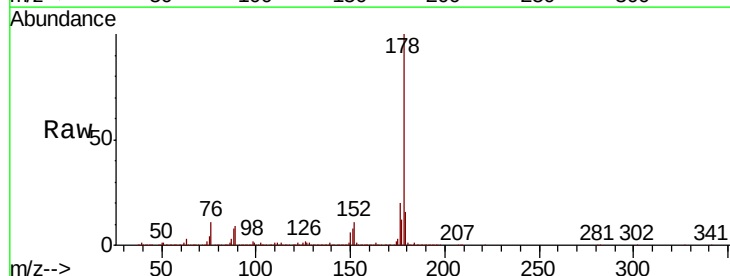
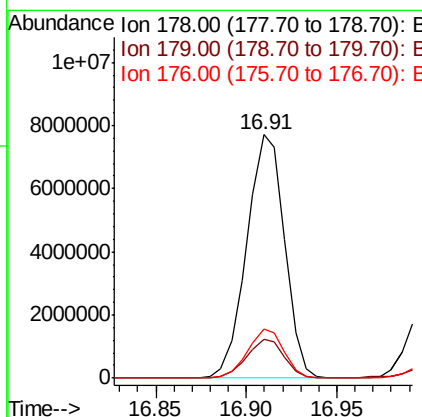
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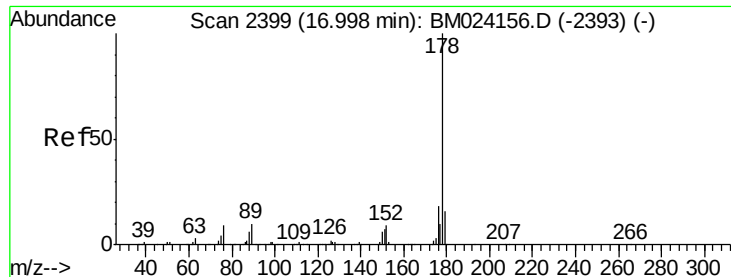
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#70
 Phenanthrene
 Concen: 66.434 ng/ul
 RT: 16.91 min Scan# 2384
 Delta R.T. -0.00 min
 Lab File: BM024166.D
 Acq: 18 Dec 2019 23:23

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.6	19.0
176	20.1	15.1	22.7





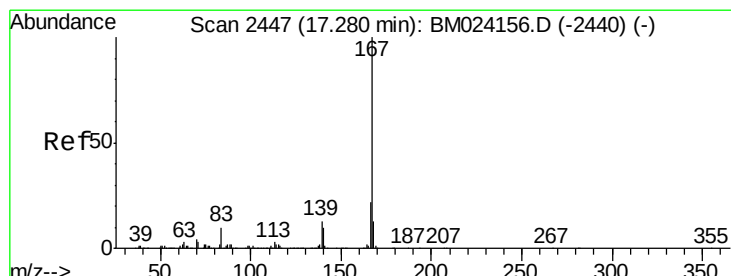
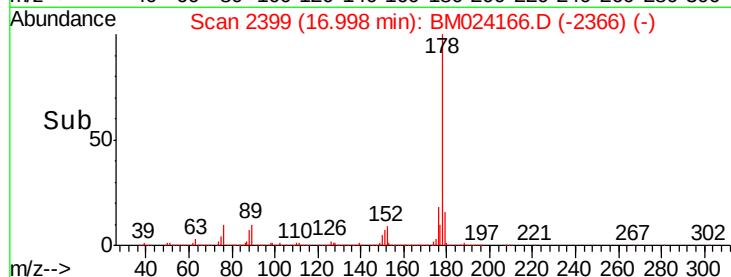
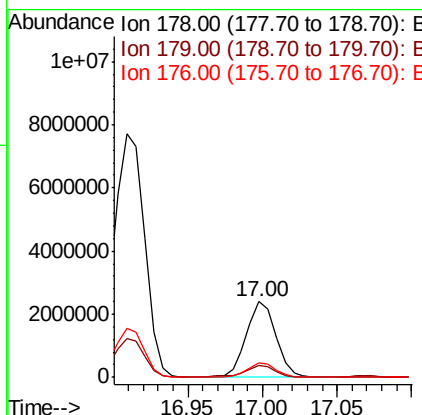
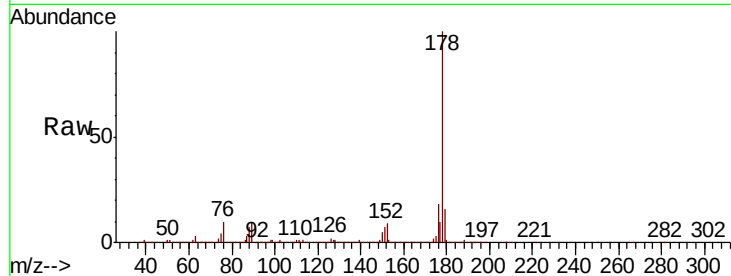
#72
 Anthracene
 Concen: 19.474 ng/ul
 RT: 17.00 min Scan# 2399
 Delta R.T. -0.01 min
 Lab File: BM024166.D
 Acq: 18 Dec 2019 23:23

Instrument :
 BNA_M
 ClientSampleId :
 C0BT1

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.3	18.5
176	18.4	14.7	22.1

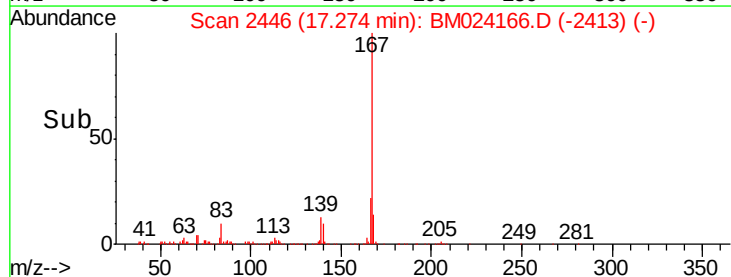
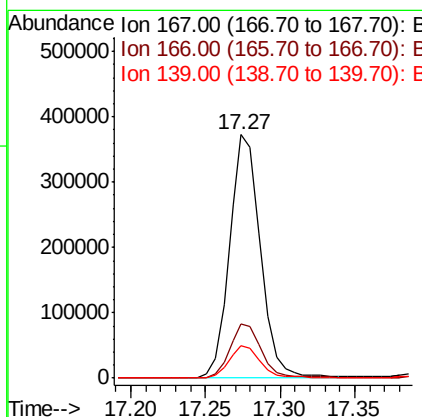
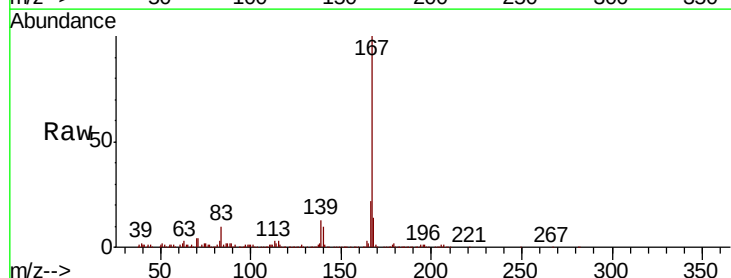
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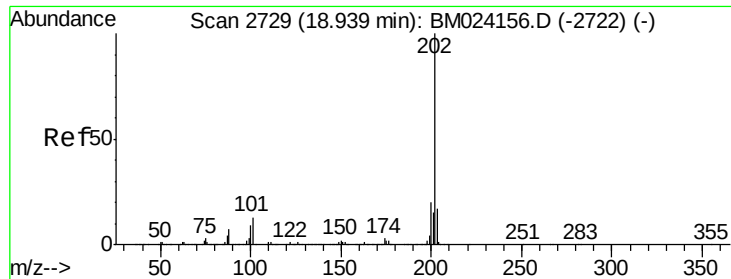
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#75
 Carbazole
 Concen: 3.721 ng/ul
 RT: 17.27 min Scan# 2446
 Delta R.T. -0.01 min
 Lab File: BM024166.D
 Acq: 18 Dec 2019 23:23

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.0	25.6
139	13.2	10.3	15.5





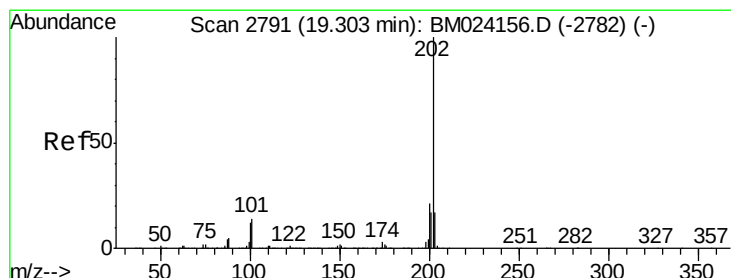
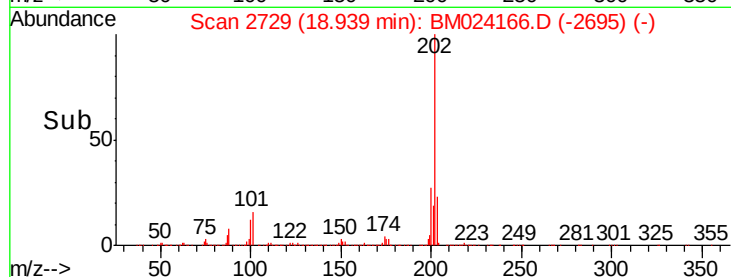
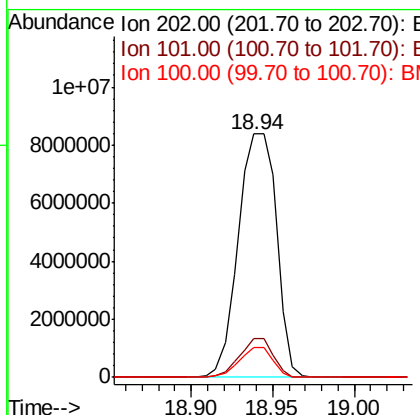
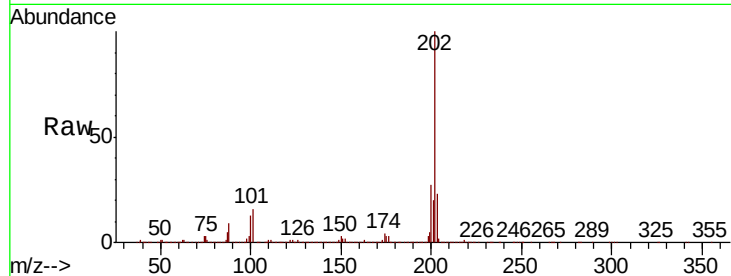
#77
Fluoranthene
Concen: 74.632 ng/ul m
RT: 18.94 min Scan# 2729
Delta R.T. -0.00 min
Lab File: BM024166.D
Acq: 18 Dec 2019 23:23

Instrument :
BNA_M
ClientSampleId :
C0BT1

Tot Ion	Ratio	Lower	Upper
202	100		
101	16.0	10.6	15.8#
100	12.5	8.1	12.1#

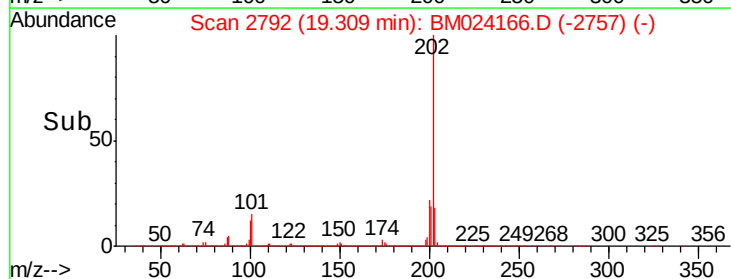
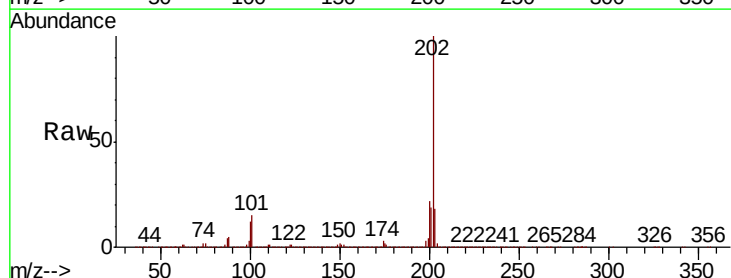
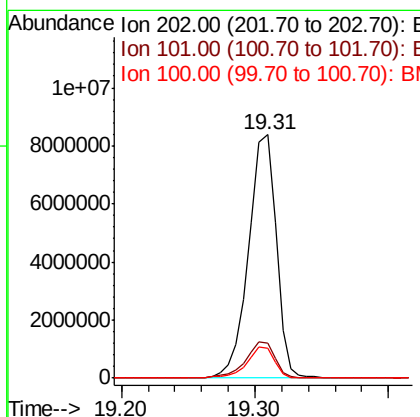
Manual Integrations
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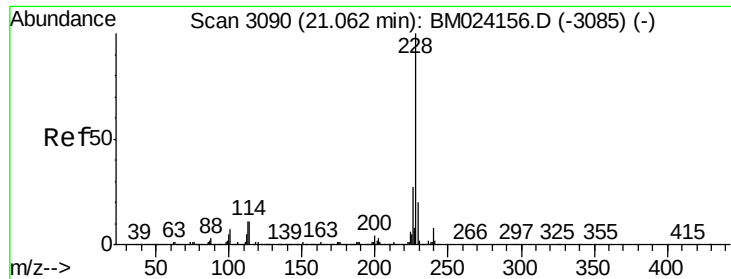
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#80
Pyrene
Concen: 87.488 ng/ul
RT: 19.31 min Scan# 2792
Delta R.T. 0.01 min
Lab File: BM024166.D
Acq: 18 Dec 2019 23:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.5	12.2	18.4
100	12.0	10.0	15.0





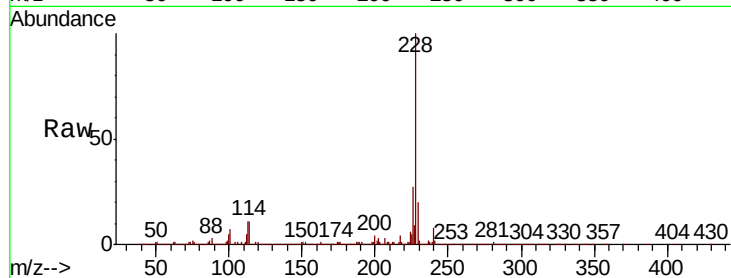
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Benzo(a)anthracene
Concen: 33.312 ng/ul
RT: 21.06 min Scan# 3090
Delta R.T. -0.01 min
Lab File: BM024166.D
Acq: 18 Dec 2019 23:23

Instrument :
BNA_M
ClientSampled :
C0BT1

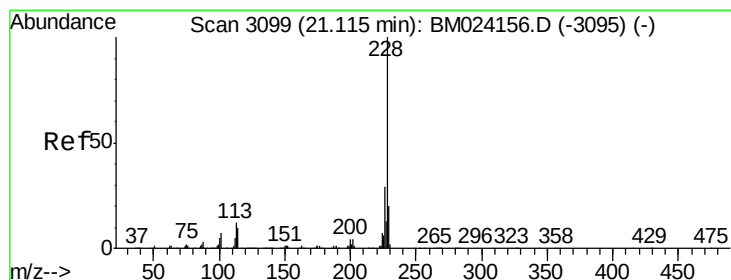
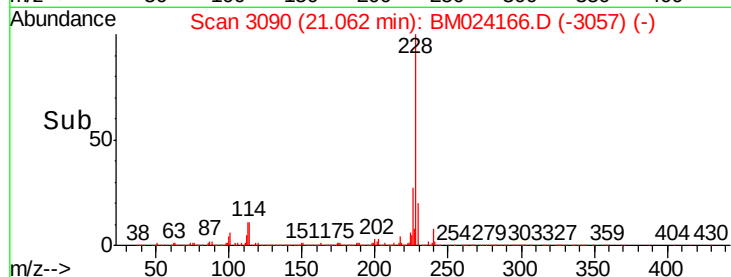
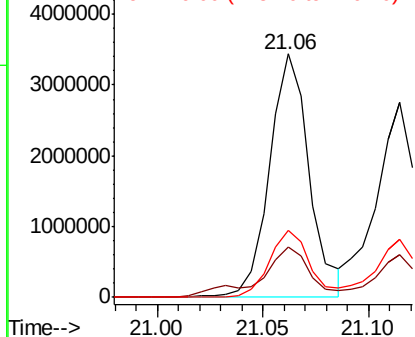
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Ion Ratio Lower Upper
228 100
229 20.5 15.8 23.8
226 27.5 22.2 33.2

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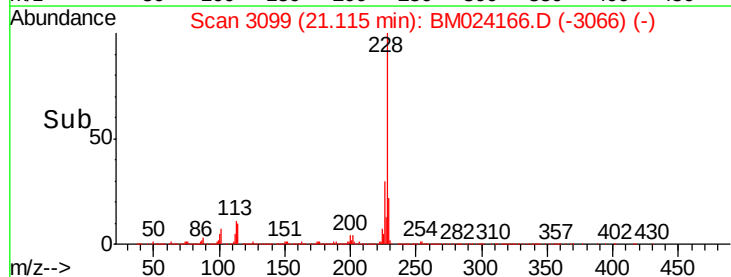
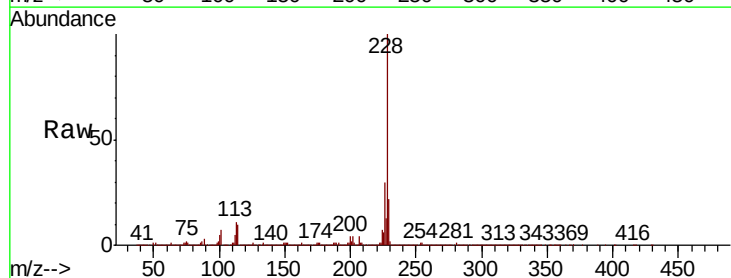
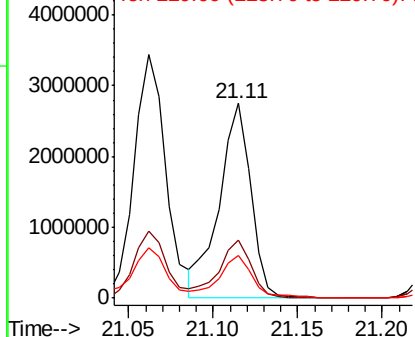
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Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

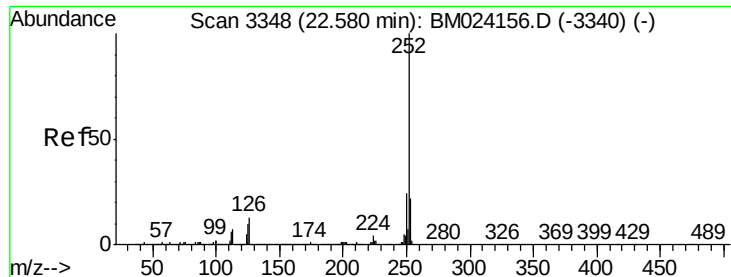


#85
Chrysene
Concen: 27.523 ng/ul
RT: 21.11 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM024166.D
Acq: 18 Dec 2019 23:23

Tgt Ion:228 Resp: 3604644
Ion Ratio Lower Upper
228 100
226 30.0 24.0 36.0
229 22.1 15.4 23.2

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





#88

Benzo(b)fluoranthene

Concen: 34.240 ng/ul

RT: 22.58 min Scan# 3348

Delta R.T. -0.01 min

Lab File: BM024166.D

Acq: 18 Dec 2019 23:23

Instrument :

BNA_M

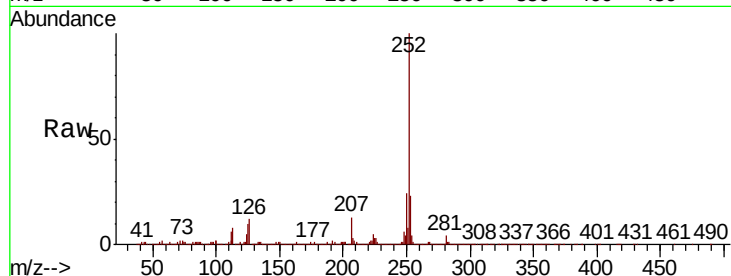
ClientSampled :

C0BT1

Tot Ion:	252	Resp:	4354949
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	10.2	7.8	11.8

Manual Integrations
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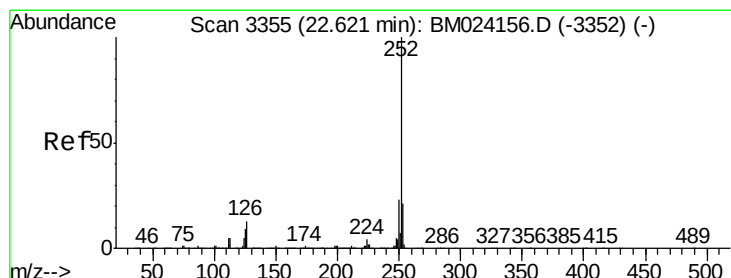
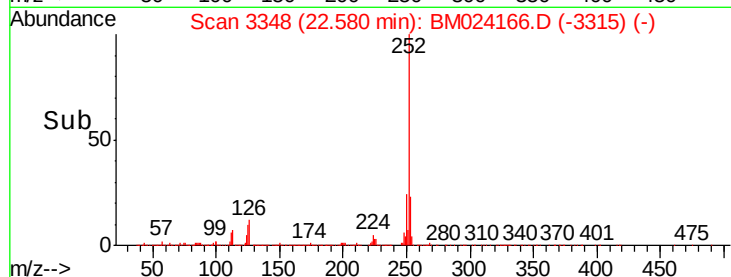
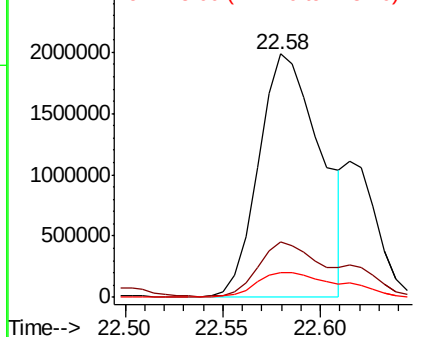


Abundance

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



#89

Benzo(k)fluoranthene

Concen: 10.141 ng/ul m

RT: 22.61 min Scan# 3354

Delta R.T. -0.01 min

Lab File: BM024166.D

Acq: 18 Dec 2019 23:23

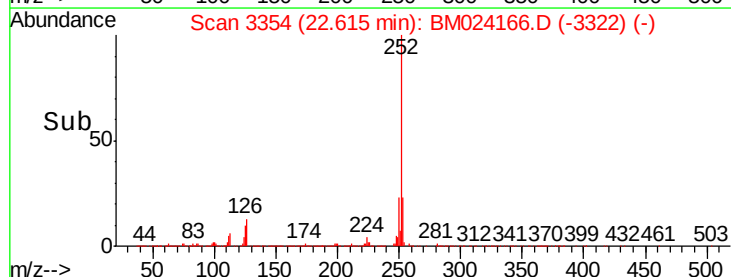
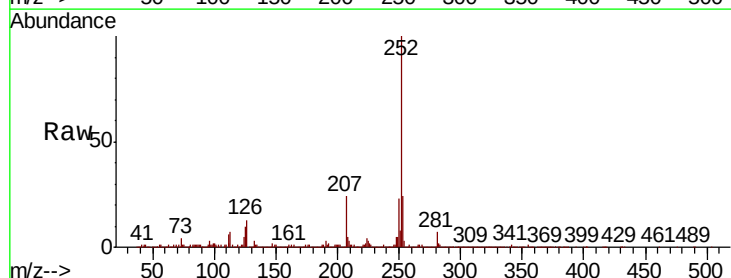
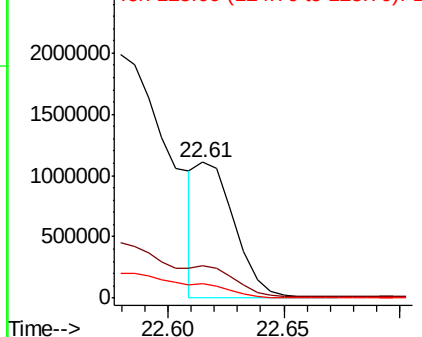
Tgt Ion:	252	Resp:	1265504
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	10.4	7.9	11.9

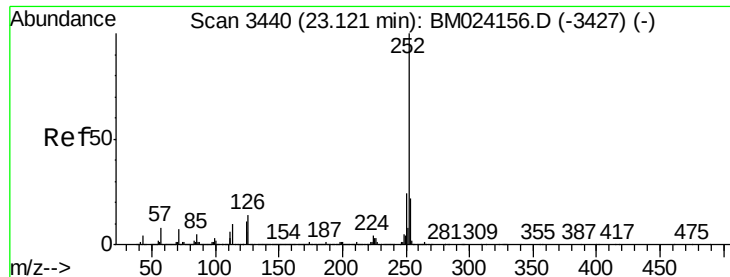
Abundance

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





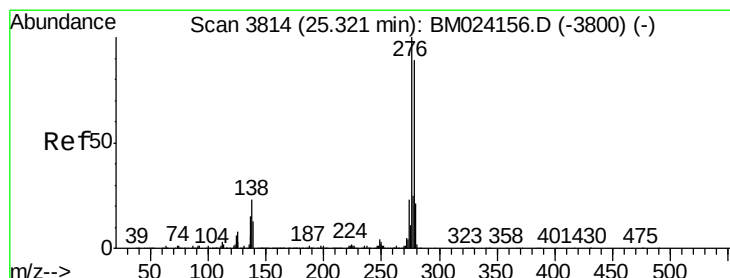
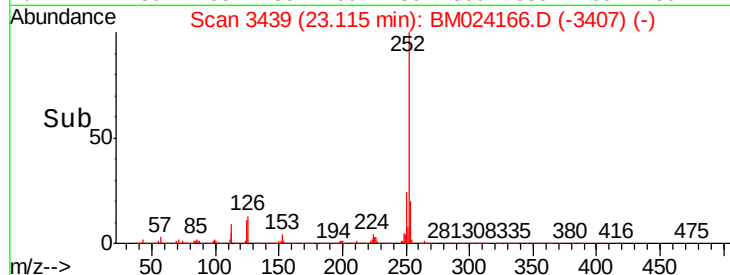
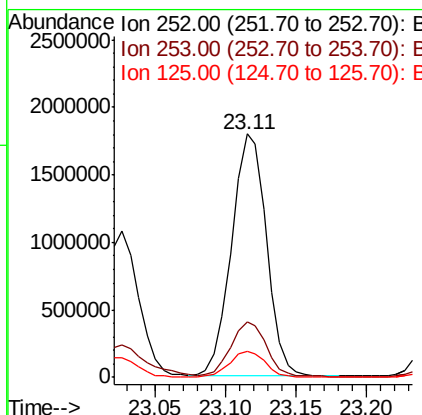
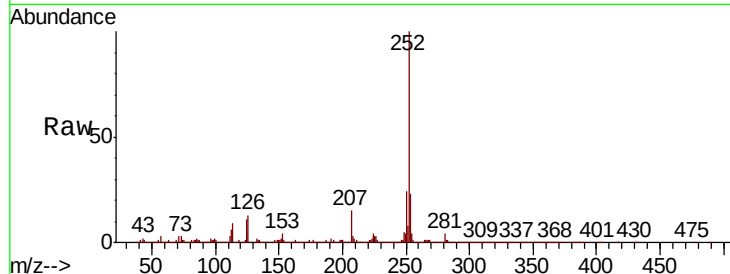
#91
Benzo(a)pyrene
Concen: 26.924 ng/ul
RT: 23.11 min Scan# 3439
Delta R.T. -0.01 min
Lab File: BM024166.D
Acq: 18 Dec 2019 23:23

Instrument :
BNA_M
ClientSampled :
C0BT1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	10.9	8.2	12.4

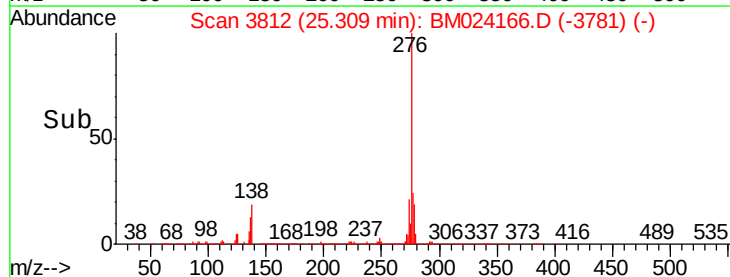
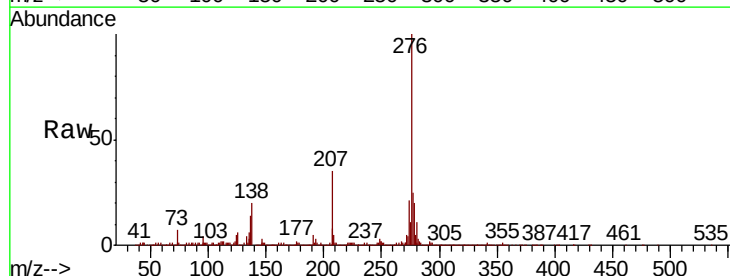
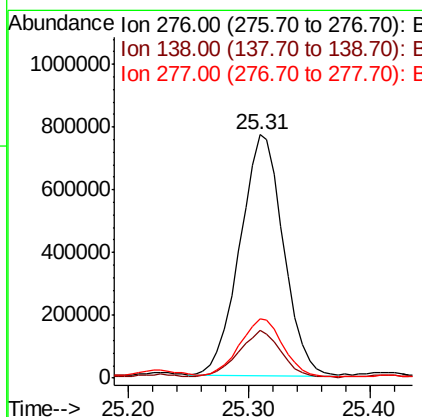
Manual Integrations
APPROVED

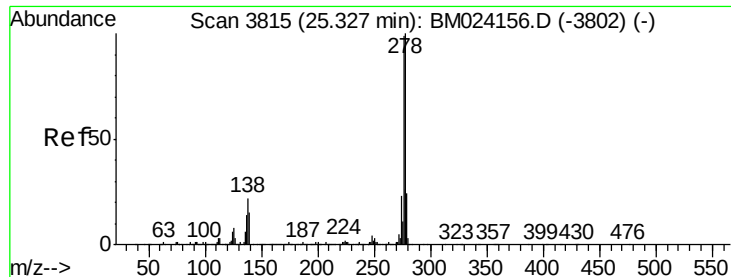
mohammad
12/19/2019 11:16:08 AM



#92
Indeno(1,2,3-cd)pyrene
Concen: 14.015 ng/ul
RT: 25.31 min Scan# 3812
Delta R.T. -0.02 min
Lab File: BM024166.D
Acq: 18 Dec 2019 23:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.6	18.3	27.5
277	24.6	20.2	30.2





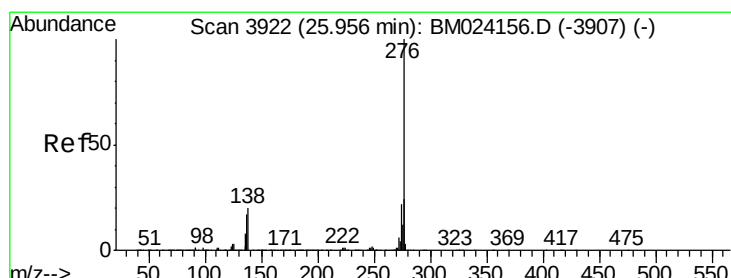
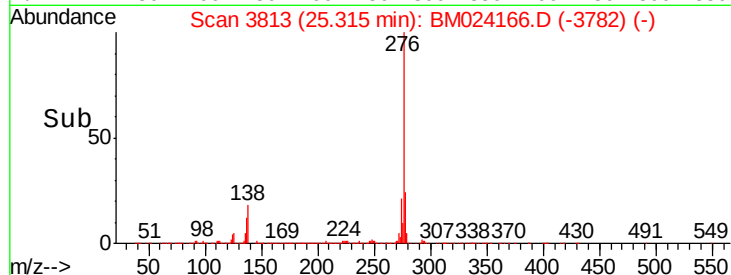
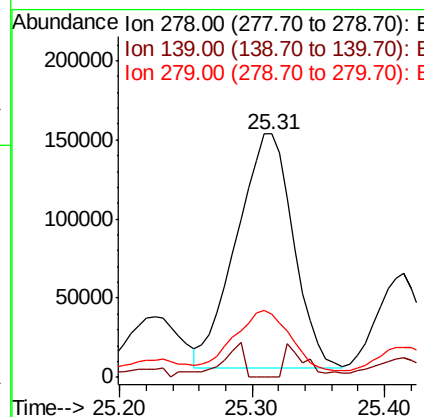
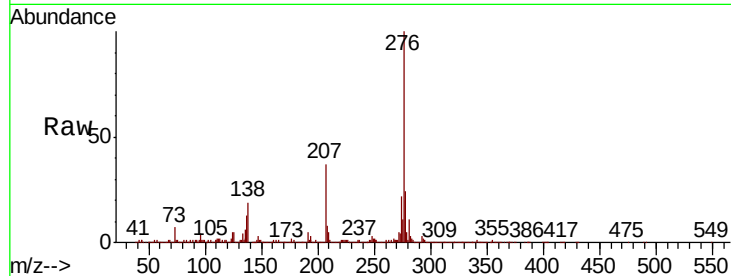
#93
Dibenzo(a,h)anthracene
Concen: 3.799 ng/ul m
RT: 25.31 min Scan# 3813
Delta R.T. -0.02 min
Lab File: BM024166.D
Acq: 18 Dec 2019 23:23

Instrument :
BNA_M
ClientSampleId :
C0BT1

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.5	17.3#
279	25.8	18.9	28.3

Manual Integrations
APPROVED

mohammad
12/19/2019 11:16:08 AM



#94
Benzo(g,h,i)perylene
Concen: 15.979 ng/ul
RT: 25.95 min Scan# 3921
Delta R.T. -0.02 min
Lab File: BM024166.D
Acq: 18 Dec 2019 23:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.8	15.3	22.9
277	24.9	19.3	28.9

