

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011720\
 Data File : BM024538.D
 Acq On : 18 Jan 2020 16:35
 Operator : JU
 Sample : L1109-10 5X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GASG9

Manual Integrations
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 1/21/2020 7:59:54 AM

Quant Time: Jan 20 11:07:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 20 03:25:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	132260	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	574751	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.10	164	549195	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.87	188	1233639	20.00	ng/ul	0.02
78) Chrysene-d12	21.11	240	1879772	20.00	ng/ul	0.05
86) Perylene-d12	23.23	264	1711660	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	1238m	0.46	ng/uL	0.00
5) Phenol-d5	6.65	99	31990	3.26	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	21587	3.96	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	27403	3.27	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	32810	3.63	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	17057	4.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	17927	4.10	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	33831	3.44	ng/ul	0.00
29) 4-Chloroaniline-d4	10.35	131	236058	21.57	ng/ul	0.00
44) Dimethylphthalate-d6	13.53	166	149687	3.48	ng/ul	0.00
47) Acenaphthylene-d8	13.80	160	149521	3.02	ng/ul	0.01
52) 4-Nitrophenol-d4	14.33	143	48991	6.82	ng/ul	0.02
58) Fluorene-d10	15.12	176	136337	3.60	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.23	200	10331m	1.47	ng/ul	0.00
71) Anthracene-d10	16.99	188	218411	3.81	ng/ul	0.04
79) Pyrene-d10	19.29	212	368221	3.66	ng/ul	0.03
90) Benzo(a)pyrene-d12	23.10	264	283200	3.19	ng/ul	0.06

Target Compounds

					Ovalue
14) Acetophenone	8.26	105	228603m	16.112	ng/ul
24) 2,4-Dimethylphenol	9.45	107	36401m	3.507	ng/ul
28) Naphthalene	10.27	128	2416849	82.081	ng/ul 100
34) 2-Methylnaphthalene	11.90	142	9767251	427.492	ng/ul 99
41) 1,1'-Biphenyl	12.94	154	6682984	167.610	ng/ul 100
48) Acenaphthylene	13.83	152	15490428	306.196	ng/ul# 89
50) Acenaphthene	14.17	153	3571551	104.308	ng/ul 98
54) Dibenzofuran	14.52	168	16404284	327.037	ng/ul# 81
59) Fluorene	15.18	166	18052701	425.669	ng/ul# 98
65) N-Nitrosodiphenylamine	15.40	169	358098	10.451	ng/ul# 73
70) Phenanthrene	16.91	178	37050884m	556.906	ng/ul
72) Anthracene	17.02	178	20337811m	299.775	ng/ul
75) Carbazole	17.28	167	10497228	183.888	ng/ul 99
77) Fluoranthene	18.95	202	30749339m	378.164	ng/ul
80) Pyrene	19.31	202	31275893m	243.044	ng/ul
83) Benzo(a)anthracene	21.07	228	27417434m	214.112	ng/ul
85) Chrysene	21.13	228	22509242m	182.423	ng/ul
88) Benzo(b)fluoranthene	22.62	252	30652314m	270.943	ng/ul
89) Benzo(k)fluoranthene	22.65	252	8715726m	78.390	ng/ul
91) Benzo(a)pyrene	23.15	252	23910801m	243.206	ng/ul
92) Indeno(1,2,3-cd)pyrene	25.35	276	11332981	110.168	ng/ul 98
93) Dibenz(a,h)anthracene	25.34	278	4507639	51.631	ng/ul# 94
94) Benzo(g,h,i)perylene	25.99	276	8719258	106.650	ng/ul 98

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

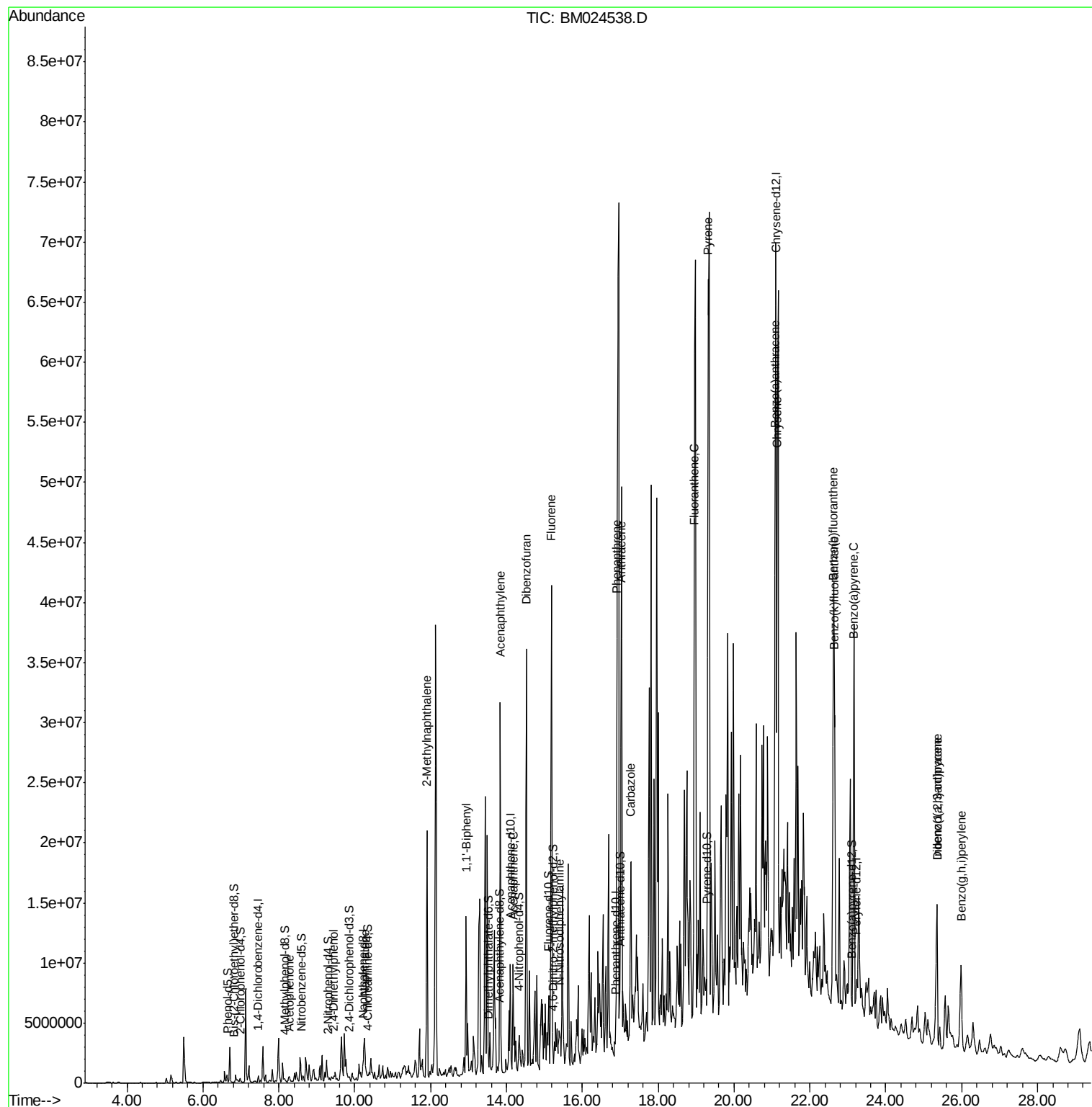
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011720\
Data File : BM024538.D
Acq On : 18 Jan 2020 16:35
Operator : JU
Sample : L1109-10 5X
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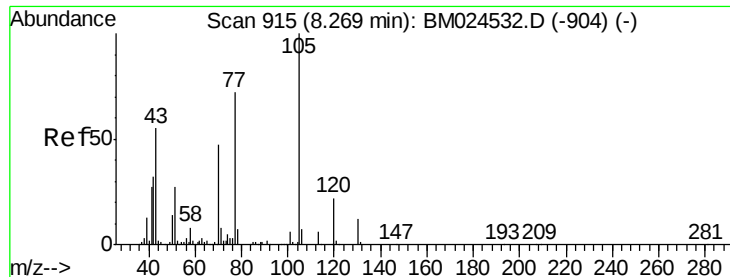
Instrument :
BNA_M
ClientSampled :
GASG9

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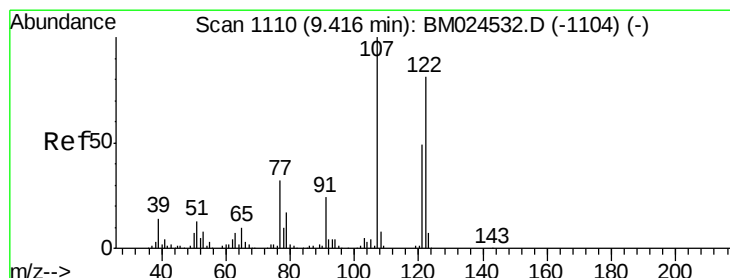
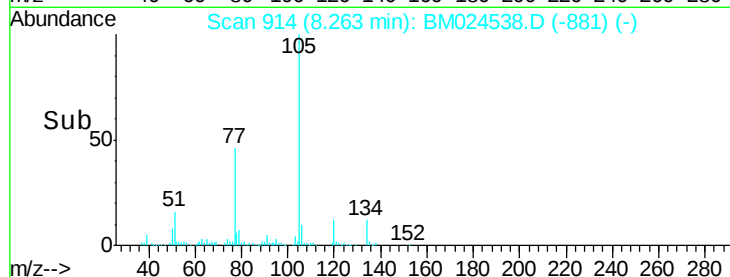
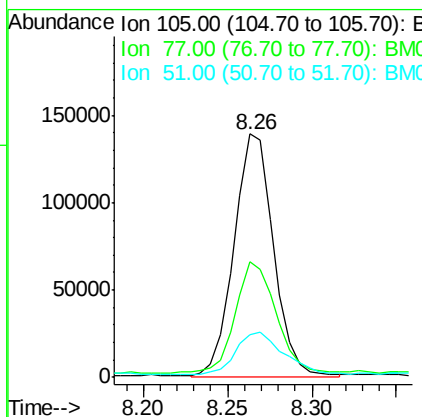
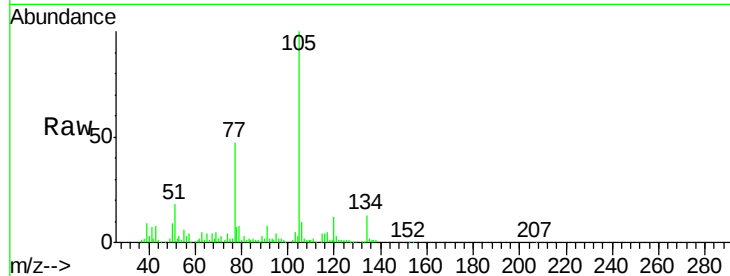
#14
Acetophenone
Concen: 16.112 ng/ul m
RT: 8.26 min Scan# 914
Delta R.T. -0.01 min
Lab File: BM024538.D
Acq: 18 Jan 2020 16:35

Instrument :
BNA_M
ClientSampleId :
GASG9

Tot Ion	Ratio	Resp Lower	Upper
105	100		
77	47.4	60.6	90.8#
51	17.6	24.4	36.6#

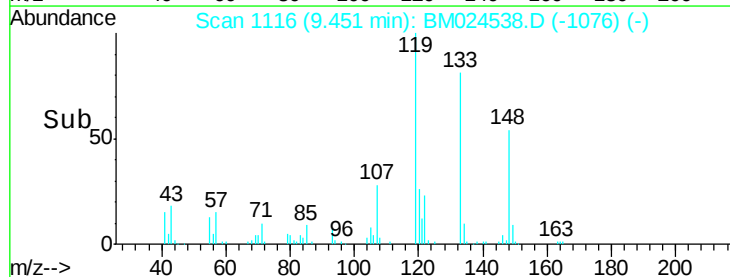
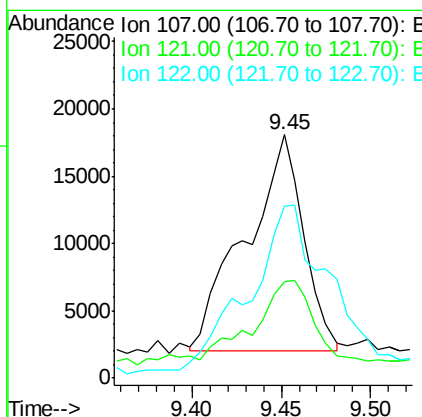
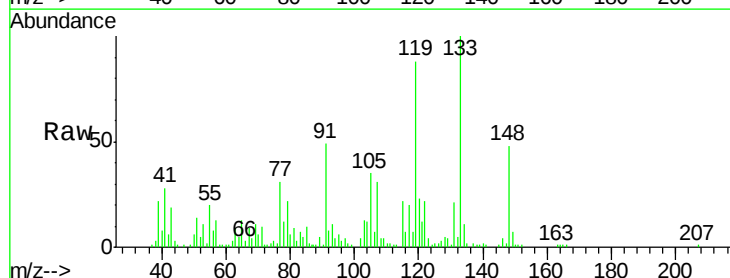
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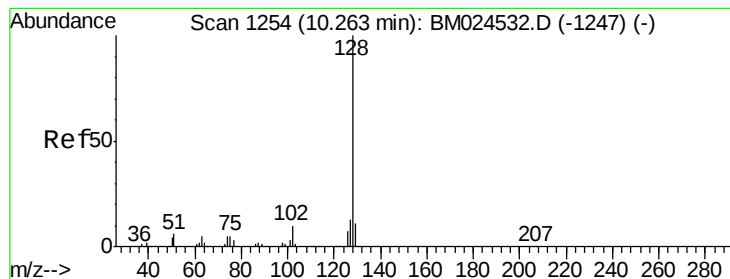
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#24
2,4-Dimethylphenol
Concen: 3.507 ng/ul m
RT: 9.45 min Scan# 1116
Delta R.T. 0.04 min
Lab File: BM024538.D
Acq: 18 Jan 2020 16:35

Tgt Ion	Ratio	Resp Lower	Upper
107	100		
121	39.8	38.4	57.6
122	70.7	64.3	96.5





#28

Naphthalene

Concen: 82.081 ng/ul

RT: 10.27 min Scan# 1255

Delta R.T. 0.01 min

Lab File: BM024538.D

Acq: 18 Jan 2020 16:35

Instrument :

BNA_M

ClientSampleId :

GASG9

Tot Ion:128 Resp: 2416849

Ion Ratio Lower Upper

128 100

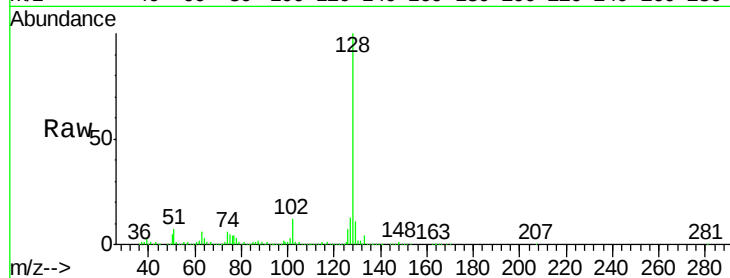
129 10.9 8.8 13.2

127 13.2 10.4 15.6

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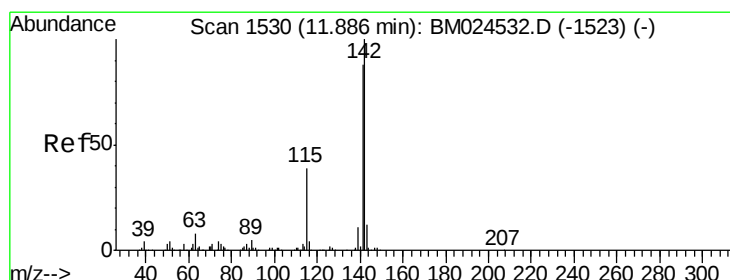
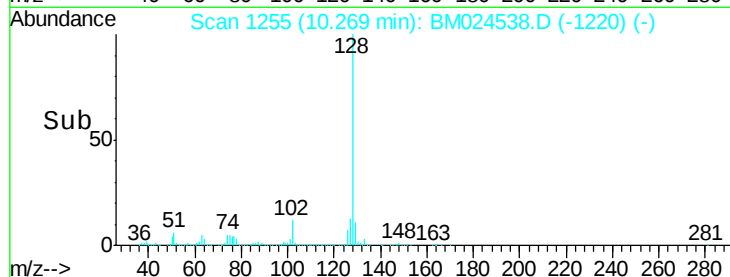
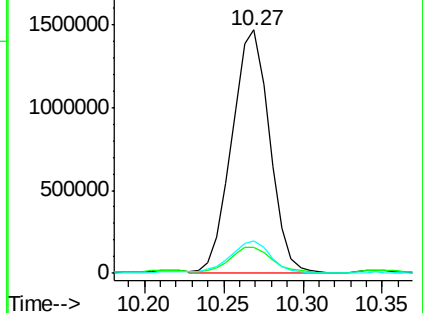
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 427.492 ng/ul

RT: 11.90 min Scan# 1533

Delta R.T. 0.02 min

Lab File: BM024538.D

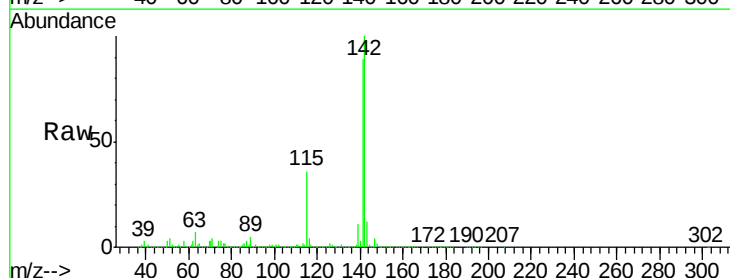
Acq: 18 Jan 2020 16:35

Tgt Ion:142 Resp: 9767251

Ion Ratio Lower Upper

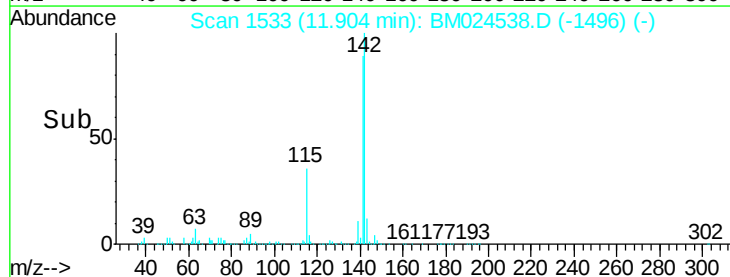
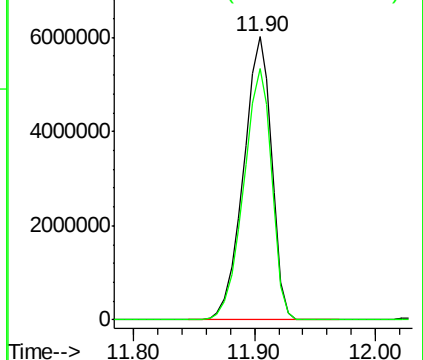
142 100

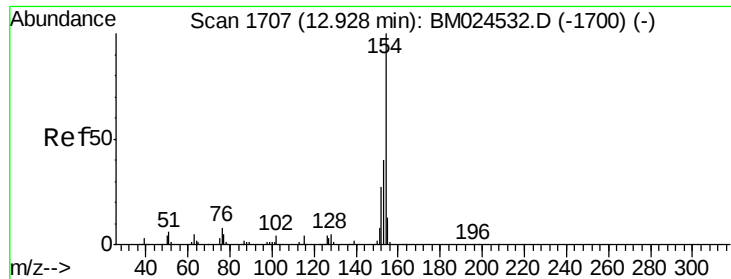
141 89.0 70.4 105.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





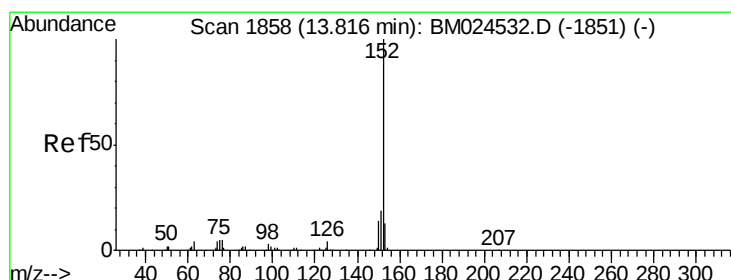
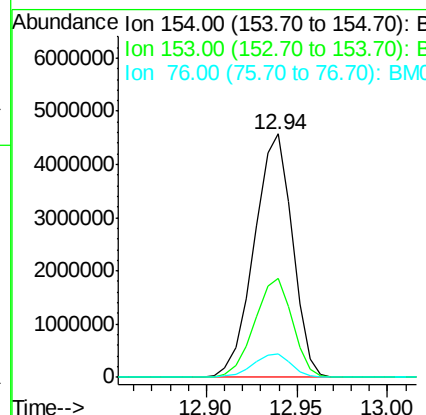
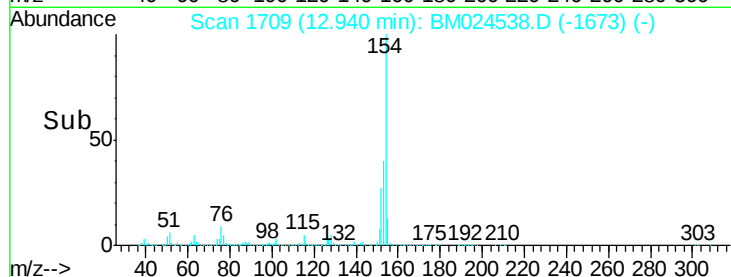
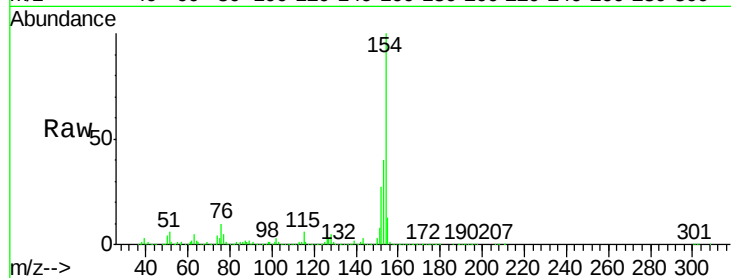
#41
 1,1'-Biphenyl
 Concen: 167.610 ng/ul
 RT: 12.94 min Scan# 1709
 Delta R.T. 0.01 min
 Lab File: BM024538.D
 Acq: 18 Jan 2020 16:35

Instrument :
 BNA_M
 ClientSampleId :
 GASG9

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.5	32.3	48.5
76	9.5	7.0	10.6

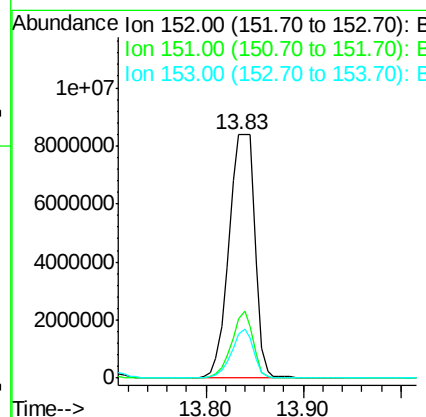
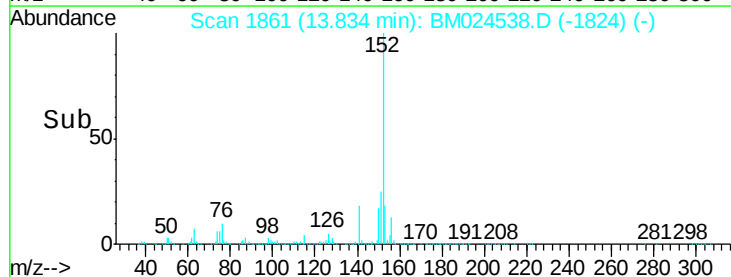
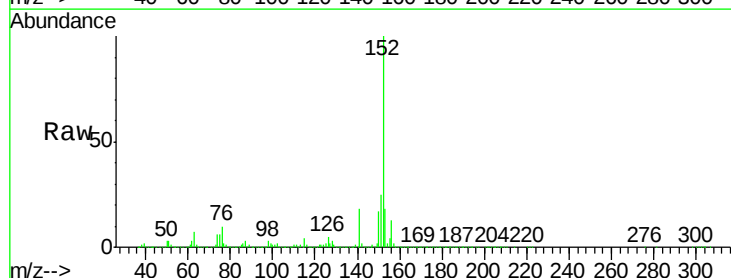
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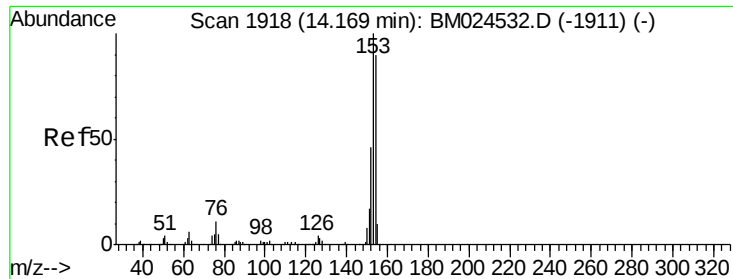
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#48
 Acenaphthylene
 Concen: 306.196 ng/ul
 RT: 13.83 min Scan# 1861
 Delta R.T. 0.02 min
 Lab File: BM024538.D
 Acq: 18 Jan 2020 16:35

Tgt Ion	Ratio	Lower	Upper
152	100		
151	24.6	15.9	23.9#
153	17.8	10.3	15.5#





#50

Acenaphthene

Concen: 104.308 ng/ul

RT: 14.17 min Scan# 1919

Delta R.T. 0.01 min

Lab File: BM024538.D

Acq: 18 Jan 2020 16:35

Instrument :

BNA_M

ClientSampleId :

GAS9

Tot Ion:153 Resp: 3571551

Ion Ratio Lower Upper

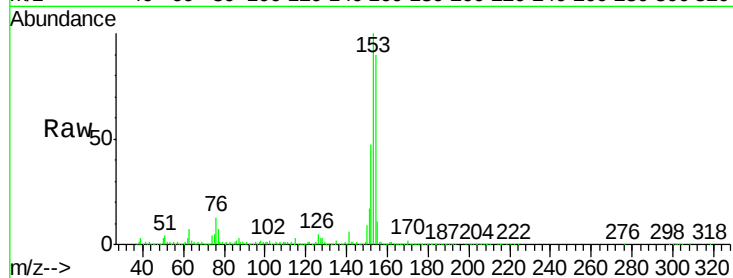
153 100

152 47.1 37.2 55.8

154 90.5 70.6 106.0

Manual Integrations
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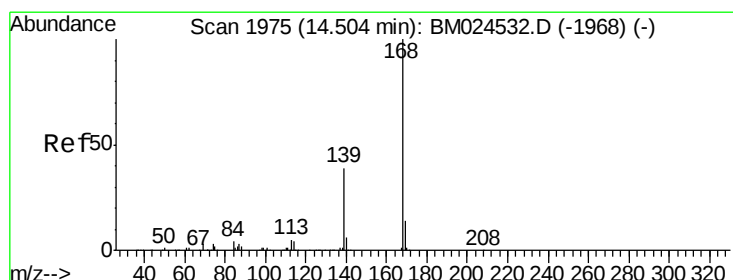
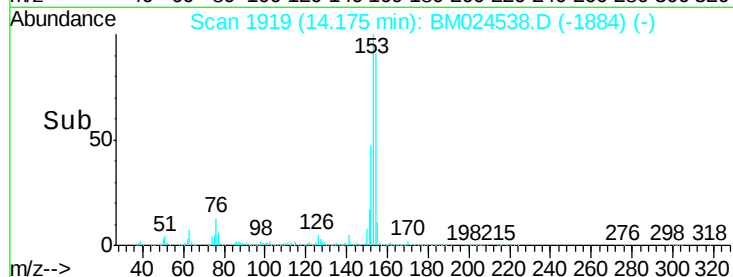
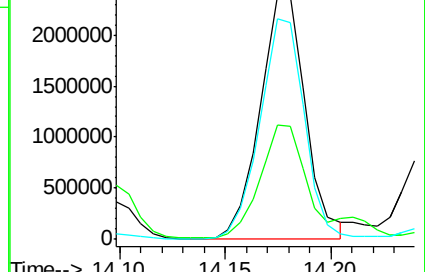
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 327.037 ng/ul

RT: 14.52 min Scan# 1978

Delta R.T. 0.02 min

Lab File: BM024538.D

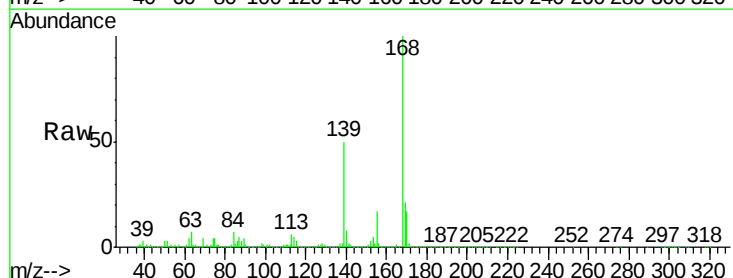
Acq: 18 Jan 2020 16:35

Tgt Ion:168 Resp:16404284

Ion Ratio Lower Upper

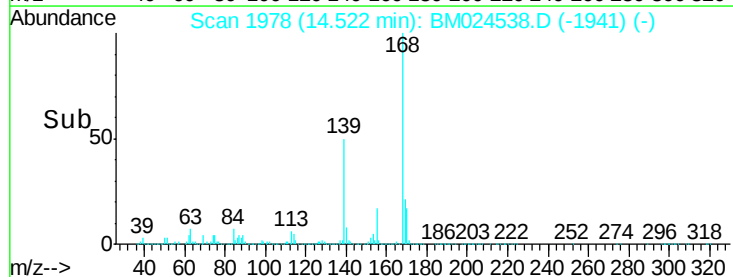
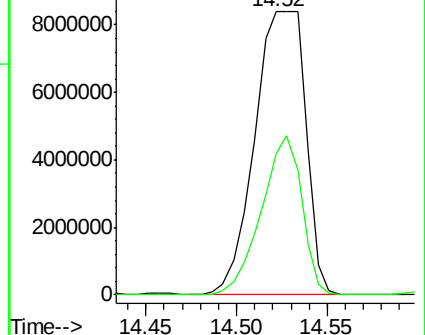
168 100

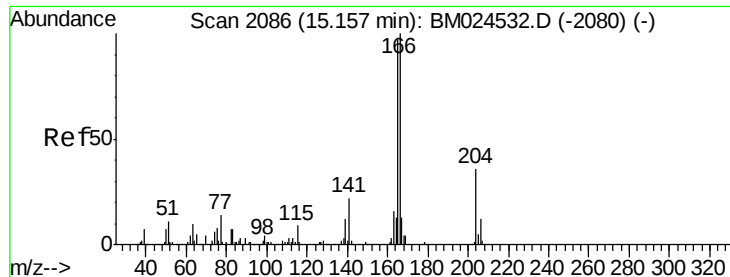
139 49.7 30.7 46.1#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





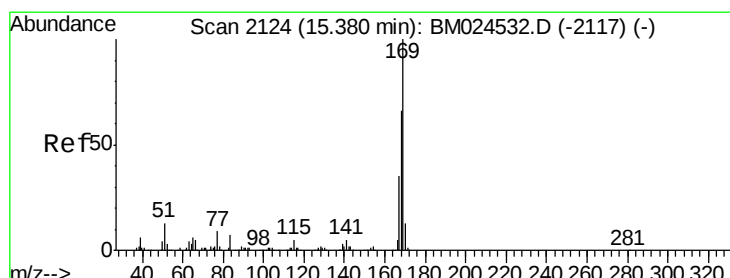
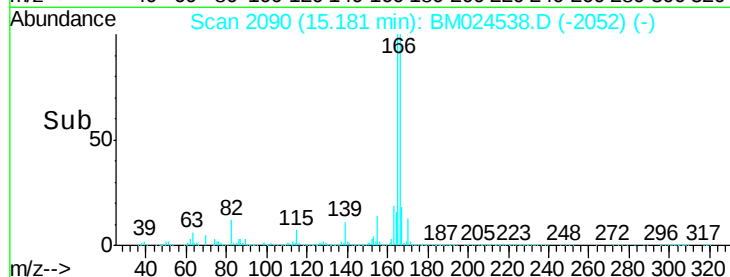
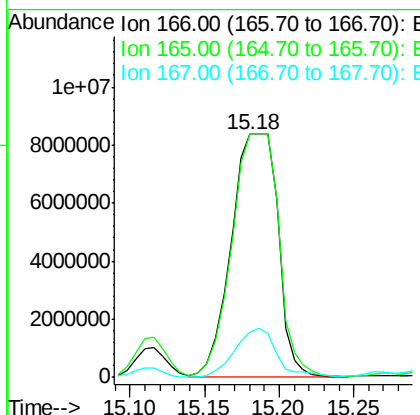
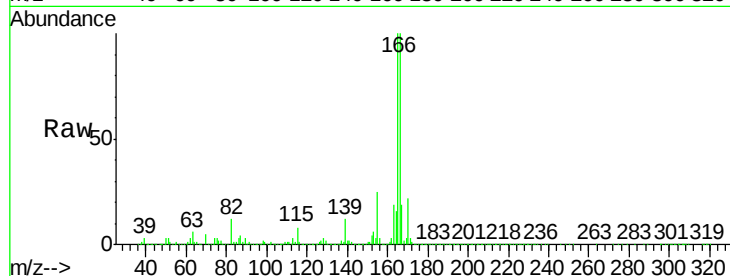
#59
 Fluorene
 Concen: 425.669 ng/ul
 RT: 15.18 min Scan# 2090
 Delta R.T. 0.02 min
 Lab File: BM024538.D
 Acq: 18 Jan 2020 16:35

Instrument :
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Tot Ion:166 Resp:18052701
 Ion Ratio Lower Upper
 166 100
 165 100.0 79.6 119.4
 167 18.6 10.8 16.2#

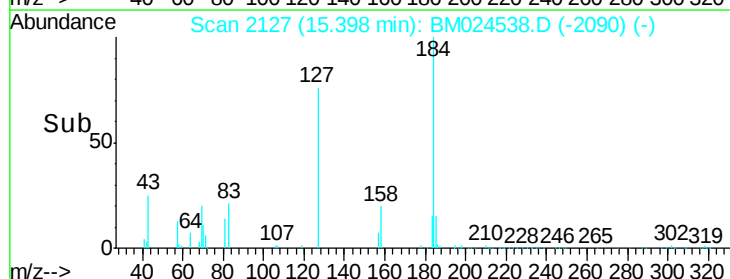
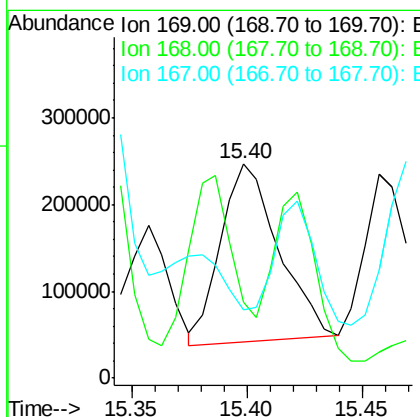
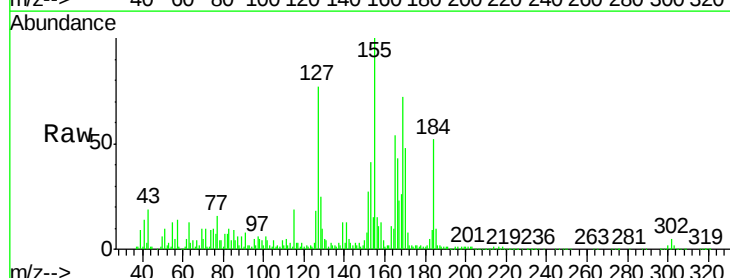
Manual Integrations
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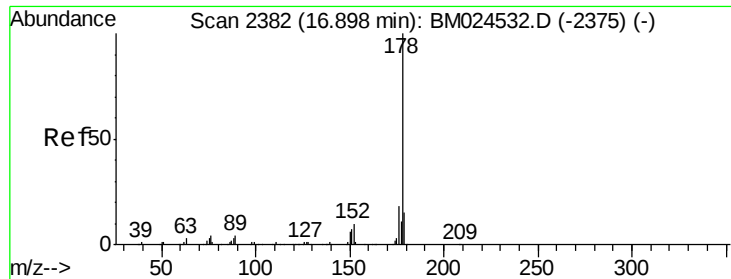
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#65
 N-Nitrosodiphenylamine
 Concen: 10.451 ng/ul
 RT: 15.40 min Scan# 2127
 Delta R.T. 0.02 min
 Lab File: BM024538.D
 Acq: 18 Jan 2020 16:35

Tgt Ion:169 Resp: 358098
 Ion Ratio Lower Upper
 169 100
 168 35.5 52.6 79.0#
 167 31.7 28.3 42.5





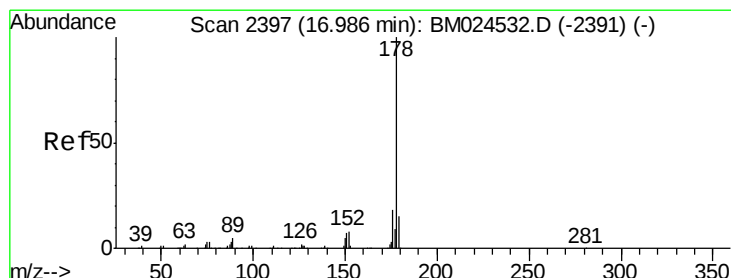
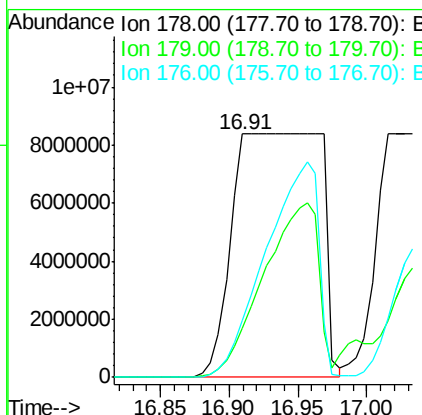
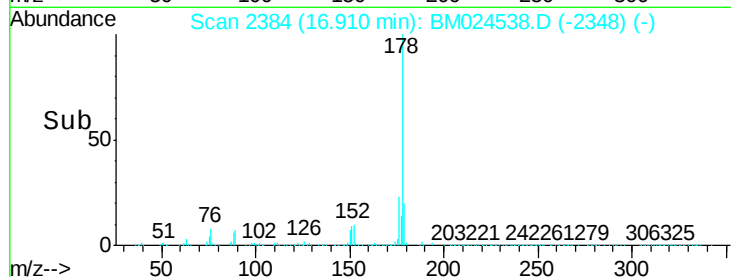
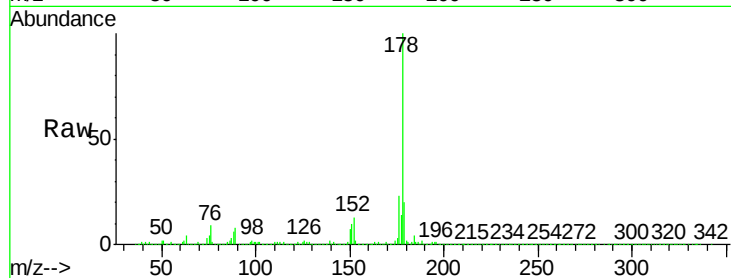
#70
Phenanthrene
Concen: 556.906 ng/ul m
RT: 16.91 min Scan# 2384
Delta R.T. 0.01 min
Lab File: BM024538.D
Acq: 18 Jan 2020 16:35

Instrument :
BNA_M
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Tot Ion:178 Resp:37050884
Ion Ratio Lower Upper
178 100
179 20.2 12.3 18.5#
176 23.1 14.9 22.3#

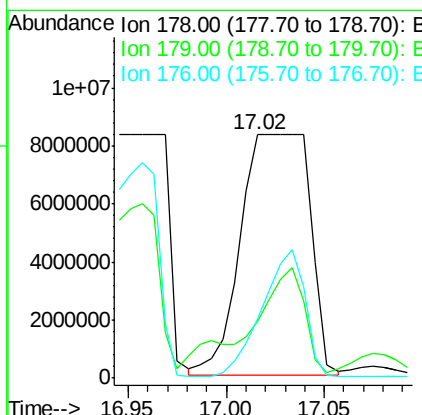
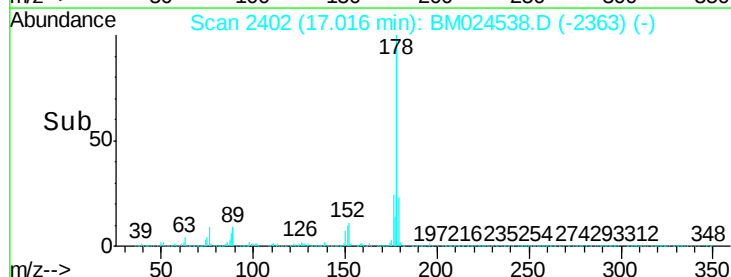
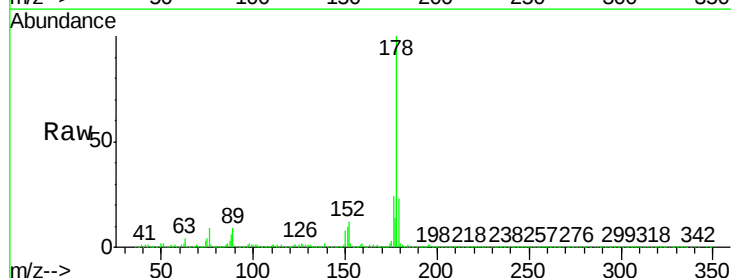
Manual Integrations
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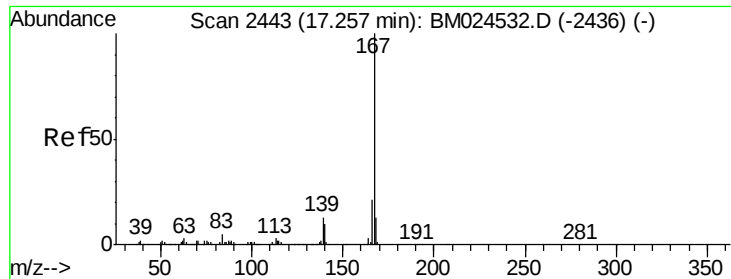
mohammad
1/21/2020 7:59:54 AM



#72
Anthracene
Concen: 299.775 ng/ul m
RT: 17.02 min Scan# 2402
Delta R.T. 0.03 min
Lab File: BM024538.D
Acq: 18 Jan 2020 16:35

Tgt Ion:178 Resp:20337811
Ion Ratio Lower Upper
178 100
179 23.3 12.3 18.5#
176 24.3 14.6 22.0#





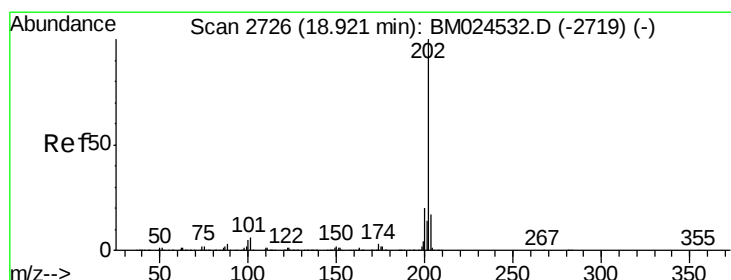
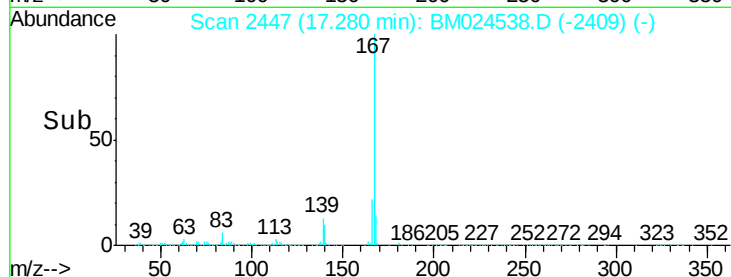
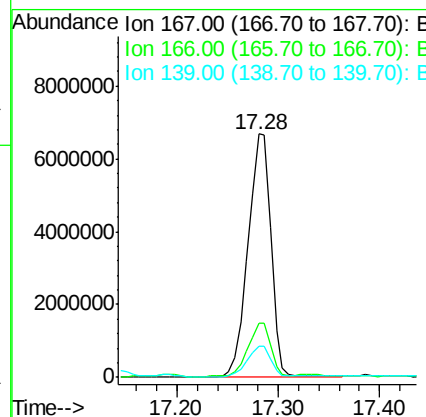
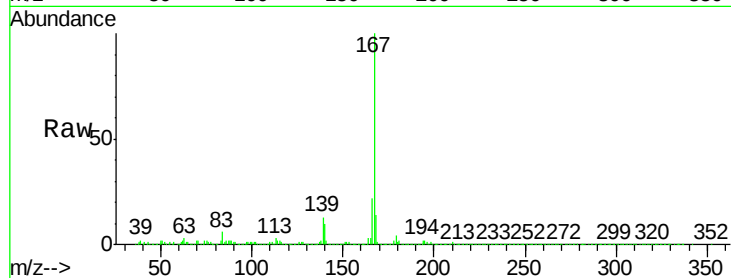
#75
 Carbazole
 Concen: 183.888 ng/ul
 RT: 17.28 min Scan# 2447
 Delta R.T. 0.02 min
 Lab File: BM024538.D
 Acq: 18 Jan 2020 16:35

Instrument :
 BNA_M
 ClientSampleId :
 GASG9

Tot Ion:167 Resp:10497228
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.1 25.7
 139 13.1 10.6 15.8

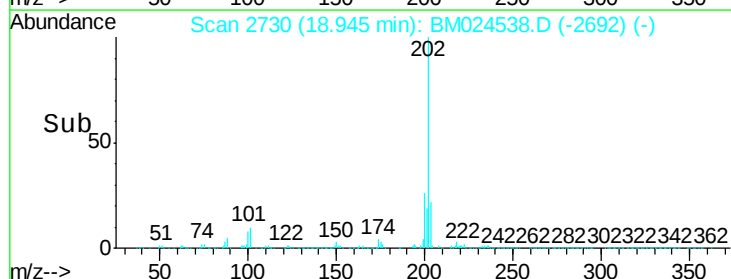
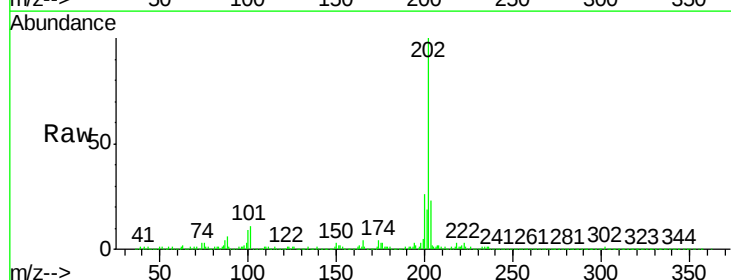
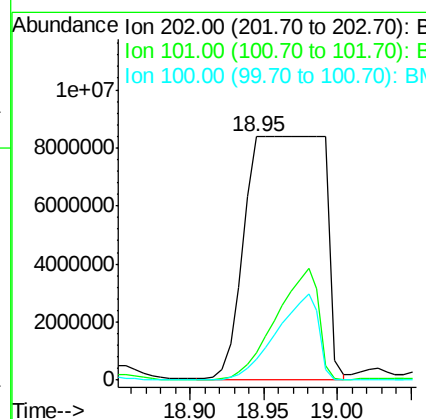
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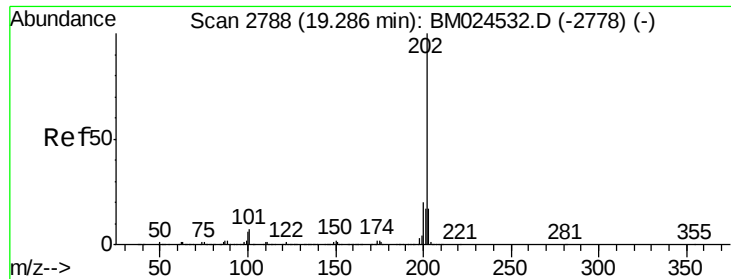
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#77
 Fluoranthene
 Concen: 378.164 ng/ul m
 RT: 18.95 min Scan# 2730
 Delta R.T. 0.02 min
 Lab File: BM024538.D
 Acq: 18 Jan 2020 16:35

Tgt Ion:202 Resp:30749339
 Ion Ratio Lower Upper
 202 100
 101 11.1 5.4 8.2#
 100 8.6 4.3 6.5#





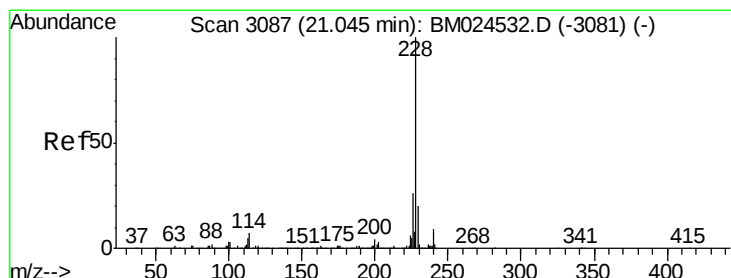
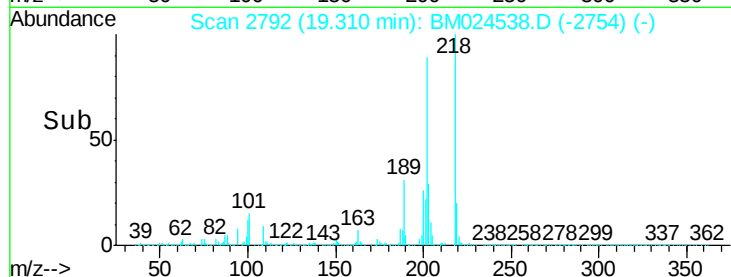
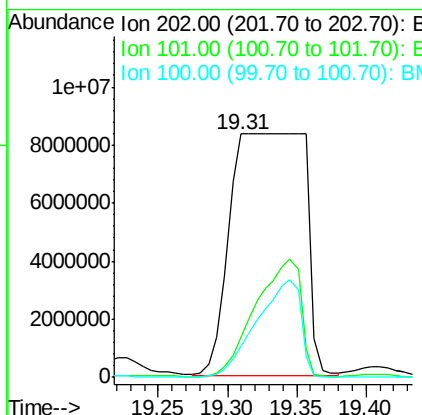
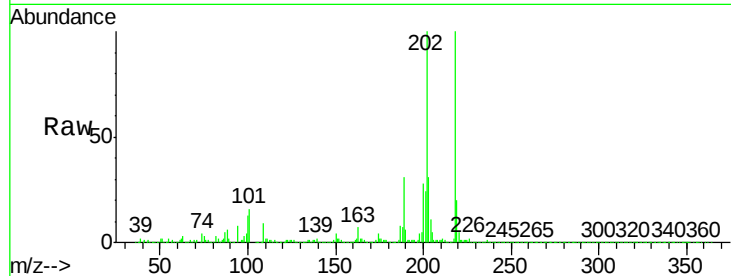
#80
Pvrene
Concen: 243.044 ng/ul m
RT: 19.31 min Scan# 2792
Delta R.T. 0.02 min
Lab File: BM024538.D
Acq: 18 Jan 2020 16:35

Instrument :
BNA_M
ClientSampleId :
GASG9

Tot Ion:202 Resp:31275893
Ion Ratio Lower Upper
202 100
101 16.3 6.5 9.7#
100 12.9 5.0 7.6#

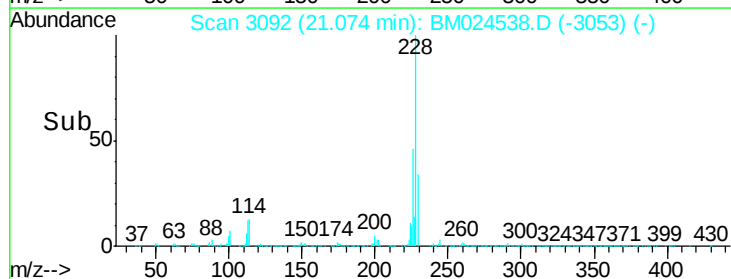
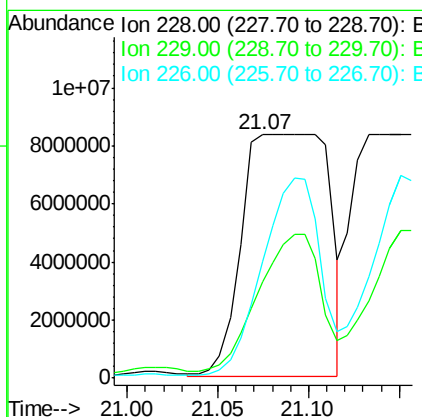
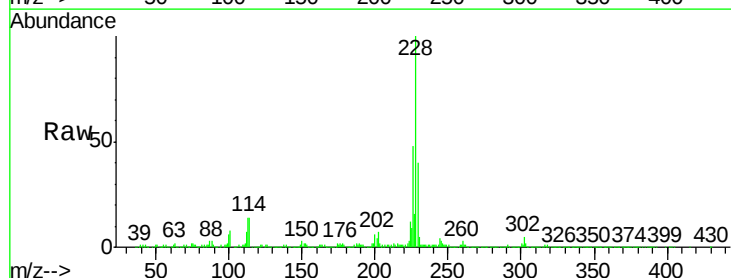
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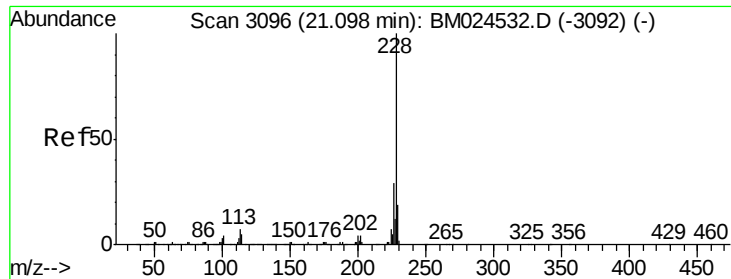
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#83
Benzo(a)anthracene
Concen: 214.112 ng/ul m
RT: 21.07 min Scan# 3092
Delta R.T. 0.03 min
Lab File: BM024538.D
Acq: 18 Jan 2020 16:35

Tgt Ion:228 Resp:27417434
Ion Ratio Lower Upper
228 100
229 39.7 15.9 23.9#
226 48.1 21.1 31.7#





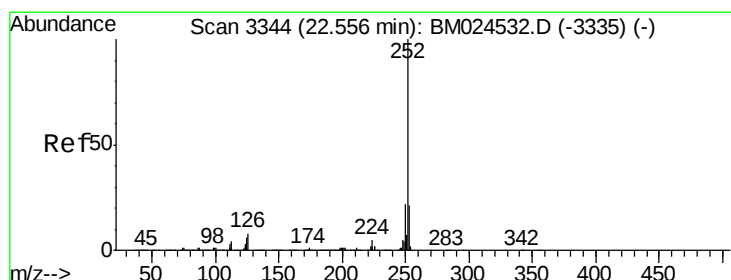
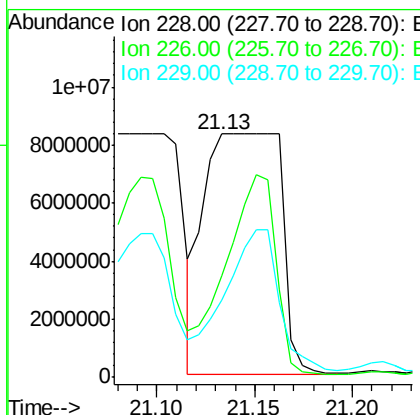
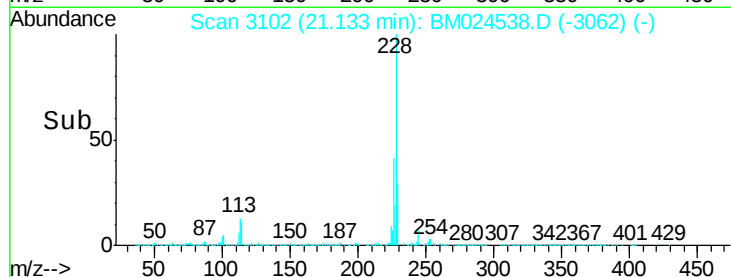
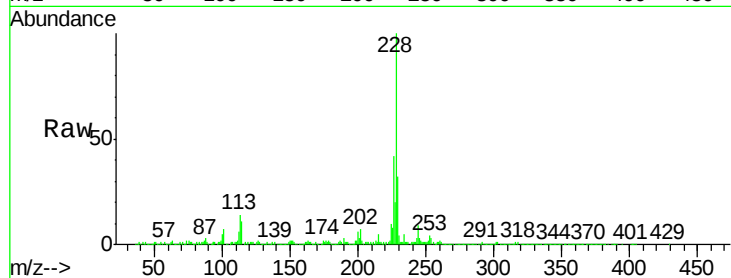
#85
 Chrysene
 Concen: 182.423 ng/ul m
 RT: 21.13 min Scan# 3102
 Delta R.T. 0.04 min
 Lab File: BM024538.D
 Acq: 18 Jan 2020 16:35

Instrument :
 BNA_M
 ClientSampleId :
 GASG9

Tot Ion:228 Resp:22509242
 Ion Ratio Lower Upper
 228 100
 226 41.7 23.4 35.2#
 229 31.6 16.1 24.1#

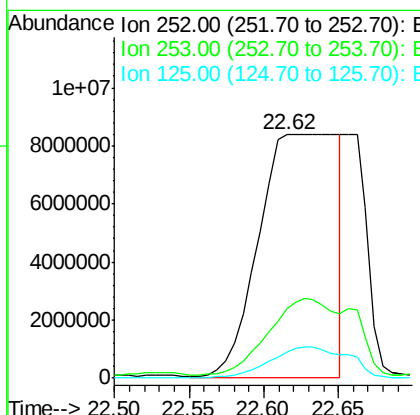
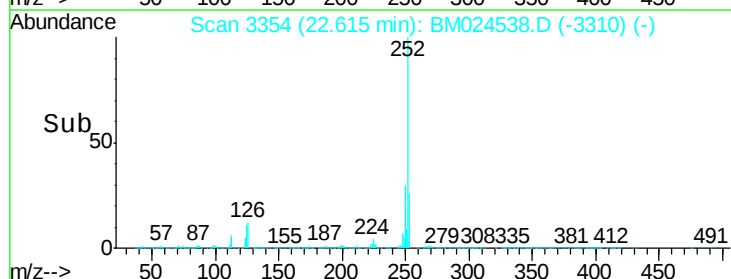
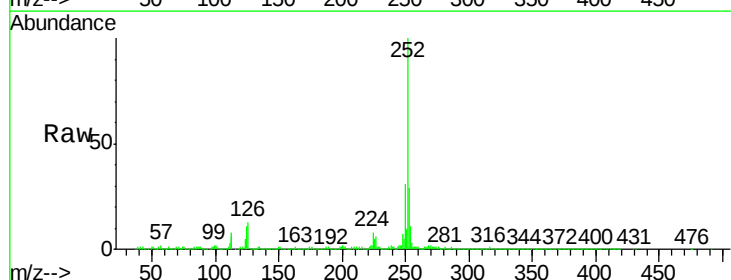
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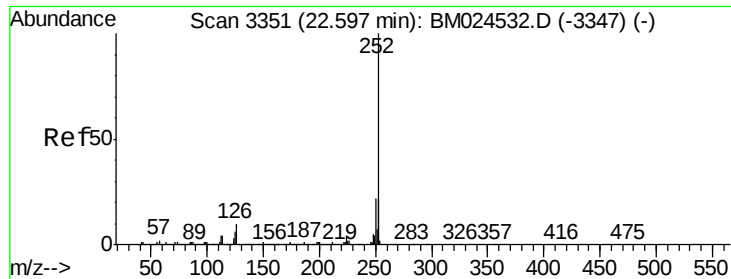
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#88
 Benzo(b)fluoranthene
 Concen: 270.943 ng/ul m
 RT: 22.62 min Scan# 3354
 Delta R.T. 0.06 min
 Lab File: BM024538.D
 Acq: 18 Jan 2020 16:35

Tgt Ion:252 Resp:30652314
 Ion Ratio Lower Upper
 252 100
 253 28.8 17.8 26.6#
 125 10.9 5.3 7.9#





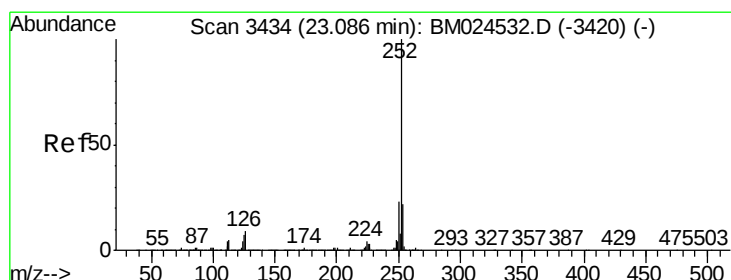
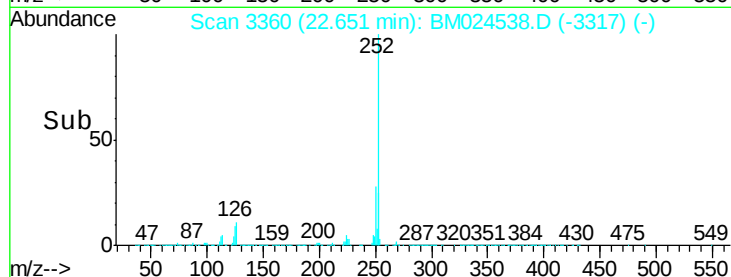
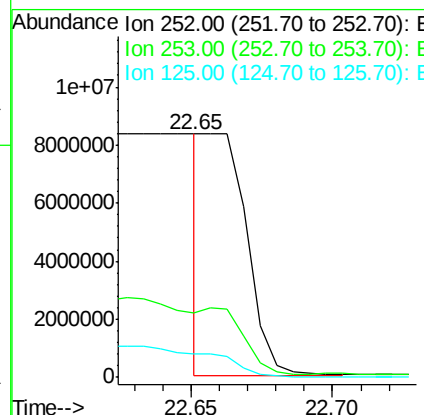
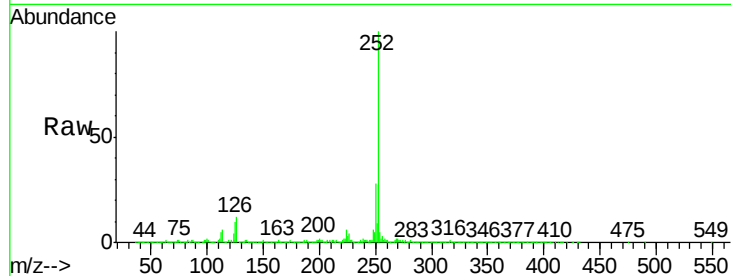
#89
Benzo(k)fluoranthene
Concen: 78.390 ng/ul m
RT: 22.65 min Scan# 3360
Delta R.T. 0.05 min
Lab File: BM024538.D
Acq: 18 Jan 2020 16:35

Instrument :
BNA_M
ClientSampleId :
GASG9

Tot Ion:252 Resp: 8715726
Ion Ratio Lower Upper
252 100
253 26.6 17.1 25.7#
125 9.6 5.2 7.8#

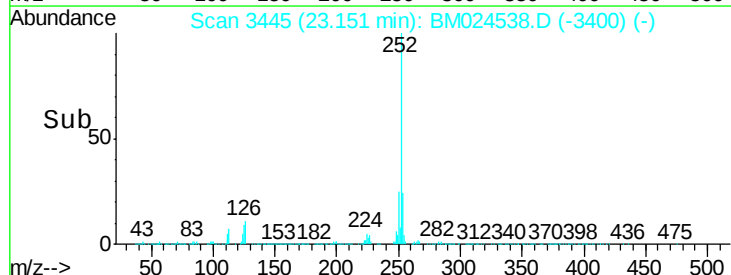
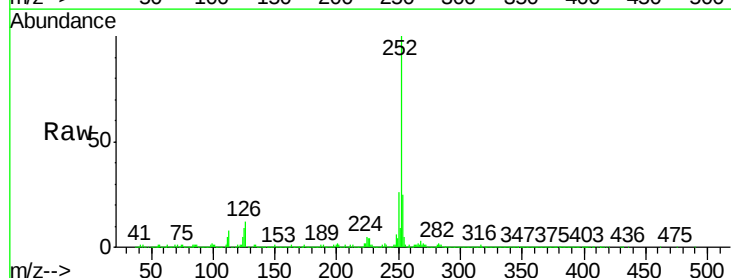
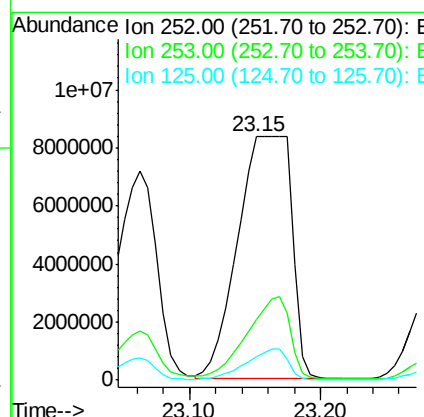
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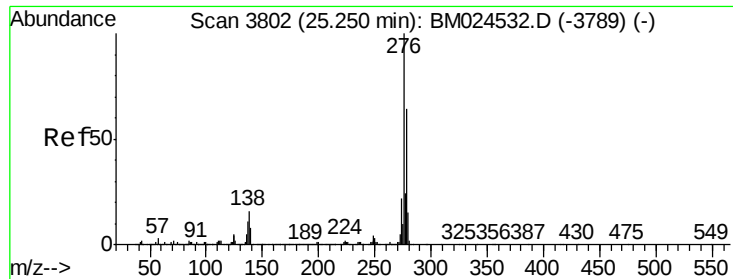
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#91
Benzo(a)pyrene
Concen: 243.206 ng/ul m
RT: 23.15 min Scan# 3445
Delta R.T. 0.06 min
Lab File: BM024538.D
Acq: 18 Jan 2020 16:35

Tgt Ion:252 Resp:23910801
Ion Ratio Lower Upper
252 100
253 24.7 17.5 26.3
125 9.4 5.7 8.5#





#92

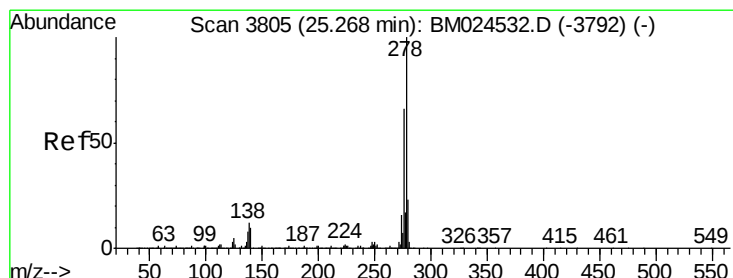
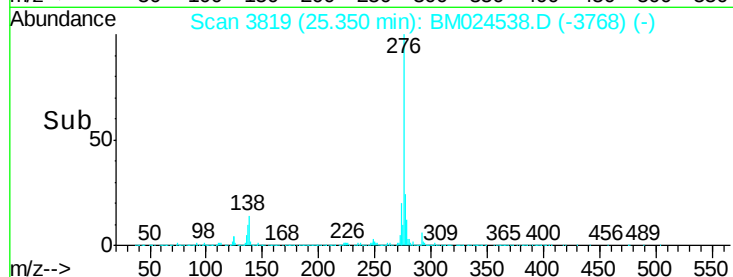
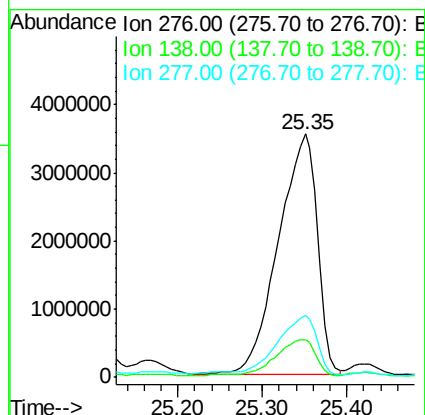
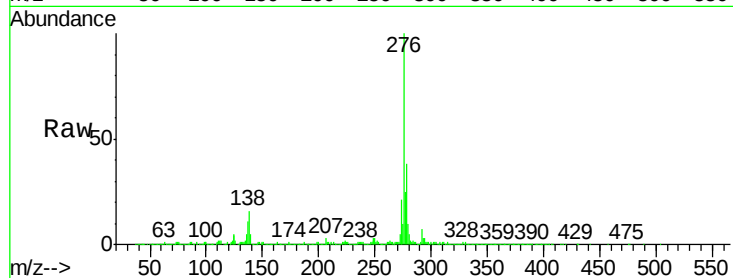
Indeno(1,2,3-cd)pyrene
Concen: 110.168 ng/ul
RT: 25.35 min Scan# 3819
Delta R.T. 0.10 min
Lab File: BM024538.D
Acq: 18 Jan 2020 16:35

Instrument :
BNA_M
ClientSampleId :
GASG9

Tot Ion:276 Resp:11332981
Ion Ratio Lower Upper
276 100
138 15.6 12.5 18.7
277 25.2 19.0 28.6

Manual Integrations
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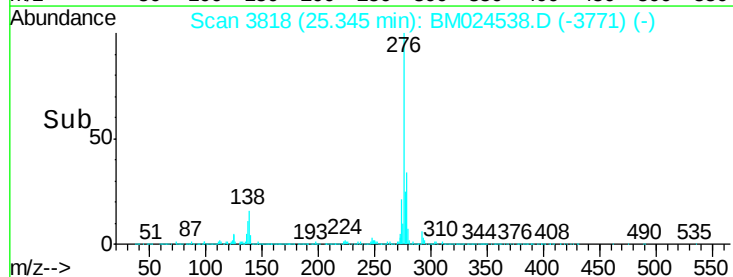
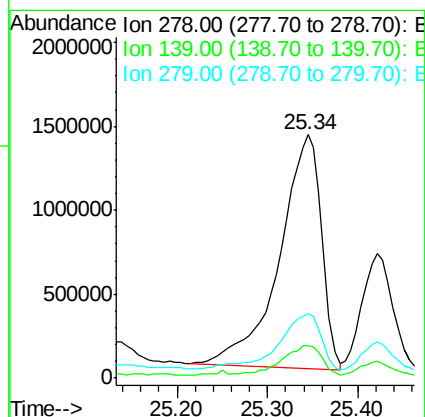
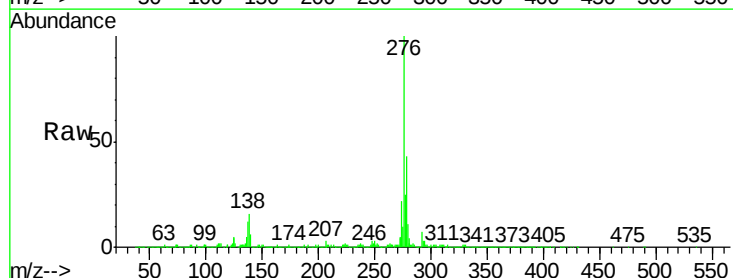
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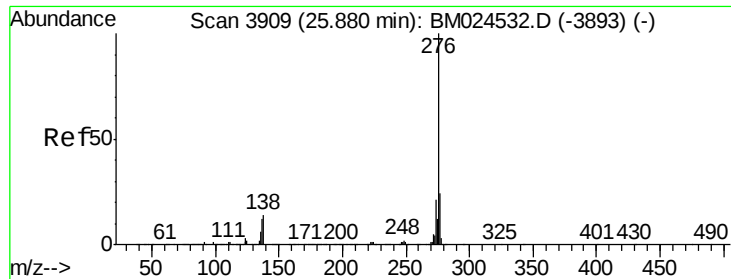


#93

Dibenzo(a,h)anthracene
Concen: 51.631 ng/ul
RT: 25.34 min Scan# 3818
Delta R.T. 0.08 min
Lab File: BM024538.D
Acq: 18 Jan 2020 16:35

Tgt Ion:278 Resp: 4507639
Ion Ratio Lower Upper
278 100
139 13.2 8.7 13.1#
279 26.4 18.6 27.8





#94
 Benzo(a,h,i)perylene
 Concen: 106.650 ng/ul
 RT: 25.99 min Scan# 3927
 Delta R.T. 0.11 min
 Lab File: BM024538.D
 Acq: 18 Jan 2020 16:35

Instrument :
 BNA_M
 ClientSampleId :
 GASG9

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.4	12.2	18.2
277	24.6	18.8	28.2

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