

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122320\
 Data File : BM028257.D
 Acq On : 23 Dec 2020 18:31
 Operator : JU/CG
 Sample : L5189-16DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 08DL

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Quant Time: Dec 24 01:55:25 2020
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 23 12:17:02 2020
 Response via : Initial Calibration

12/24/2020 10:43:44 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.198	152	128413	20.00	ng	0.00
21) Naphthalene-d8	11.028	136	507093	20.00	ng	# 0.00
39) Acenaphthene-d10	14.827	164	269744	20.00	ng	0.00
64) Phenanthrene-d10	17.545	188	497695	20.00	ng	# 0.00
76) Chrysene-d12	21.662	240	458676	20.00	ng	# 0.00
86) Perylene-d12	24.027	264	481039	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.699	112	366214	47.00	ng	0.00
7) Phenol-d6	7.340	99	473177	42.52	ng	0.00
23) Nitrobenzene-d5	9.375	82	289718	28.35	ng	0.00
42) 2,4,6-Tribromophenol	16.298	330	141883	39.62	ng	0.00
45) 2-Fluorobiphenyl	13.451	172	485606	23.40	ng	0.00
79) Terphenyl-d14	20.115	244	421984	16.69	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.363	94	32908	3.11	ng	90
32) Benzoic acid	10.234	122	54	Below Cal	#	15
49) Acenaphthylene	14.551	152	63450	2.32	ng	99
50) Dimethylphthalate	14.269	163	68150	3.04	ng	99
52) Acenaphthene	14.886	154	38680	2.08	ng	98
58) Fluorene	15.863	166	52658	2.42	ng	97
71) Phenanthrene	17.592	178	1083773	35.86	ng	100
72) Anthracene	17.680	178	263941	9.03	ng	99
73) Carbazole	17.939	167	110059	3.99	ng	99
75) Fluoranthene	19.574	202	1775073	52.45	ng	96
78) Pyrene	19.933	202	1569479	47.26	ng	99
81) Benzo(a)anthracene	21.650	228	910414	29.14	ng	99
83) Chrysene	21.703	228	790125m	26.12	ng	
87) Indeno(1,2,3-cd)pyrene	26.456	276	434750m	13.60	ng	
88) Benzo(b)fluoranthene	23.315	252	972718m	29.68	ng	
89) Benzo(k)fluoranthene	23.356	252	318458m	10.00	ng	
90) Benzo(a)pyrene	23.927	252	703785	23.93	ng	# 94
91) Dibenzo(a,h)anthracene	26.462	278	121343	4.55	ng	# 88
92) Benzo(g,h,i)perylene	27.209	276	385770	15.13	ng	# 89

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

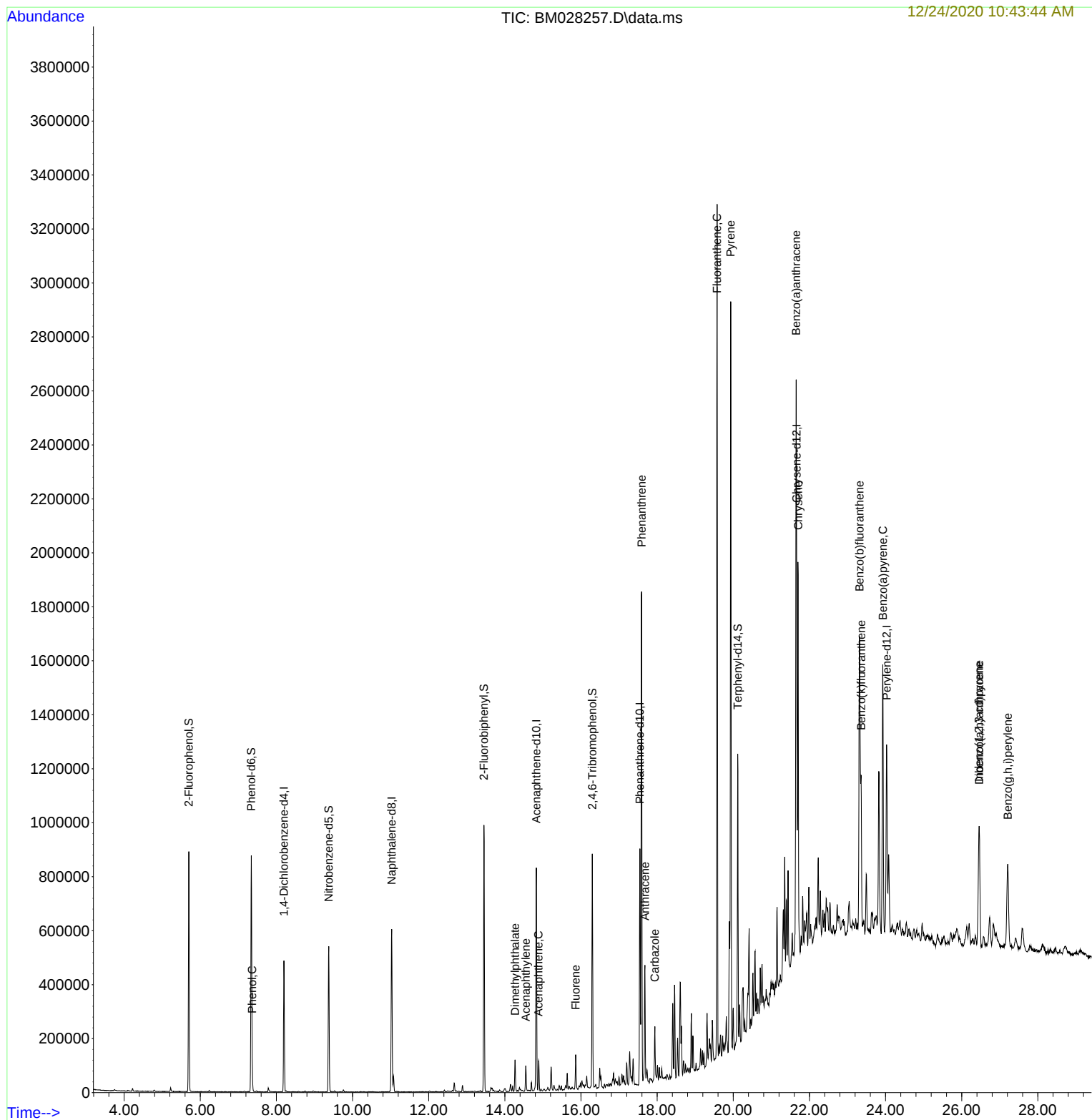
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122320\
Data File : BM028257.D
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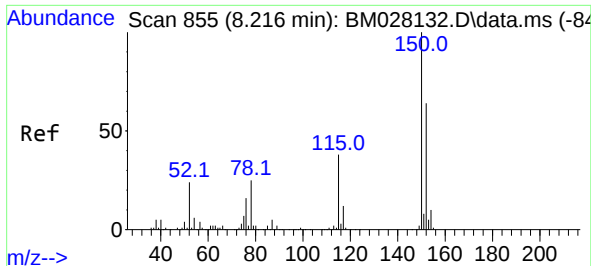
Instrument :
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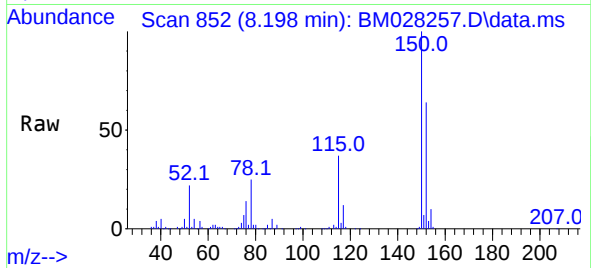
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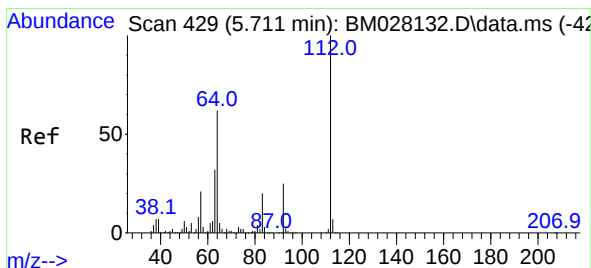
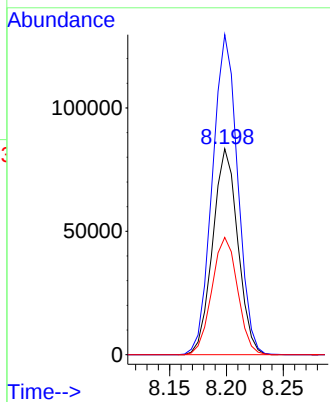
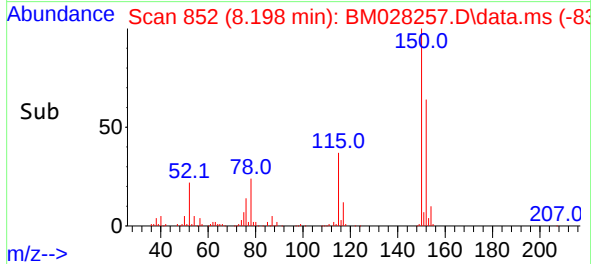




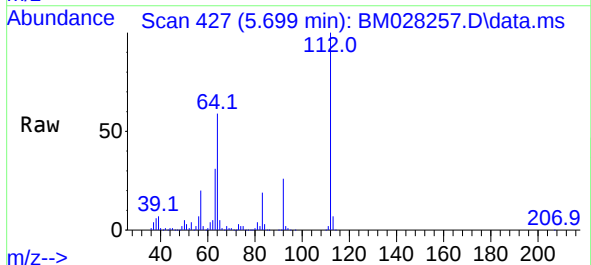
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.198 min Scan# 852
Delta R.T. 0.000 min
Lab File: BM028257.D
Acq: 23 Dec 2020 18:31



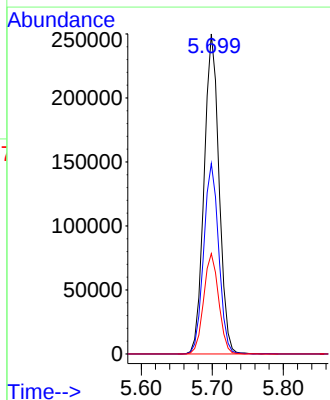
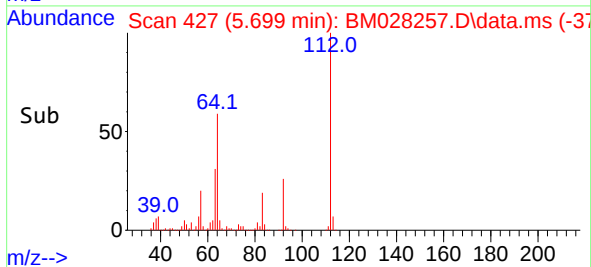
Tgt Ion:152 Resp: 128413
Ion Ratio Lower Upper
152 100
150 155.4 120.6 181.0
115 56.9 47.2 70.8



#5
2-Fluorophenol
Concen: 47.00 ng
RT: 5.699 min Scan# 427
Delta R.T. 0.006 min
Lab File: BM028257.D
Acq: 23 Dec 2020 18:31



Tgt Ion:112 Resp: 366214
Ion Ratio Lower Upper
112 100
64 59.5 50.6 76.0
63 31.4 31.0 46.6

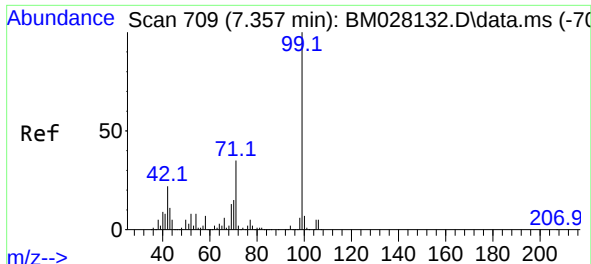


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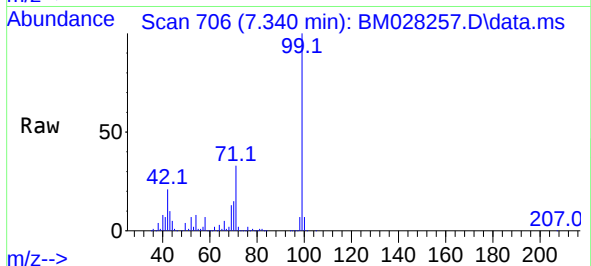
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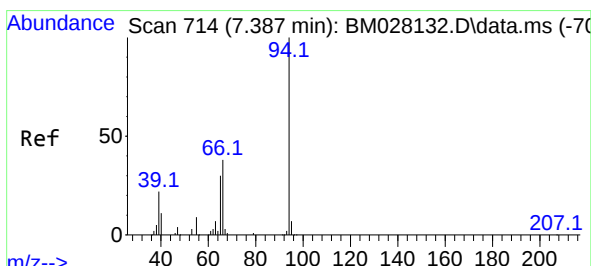
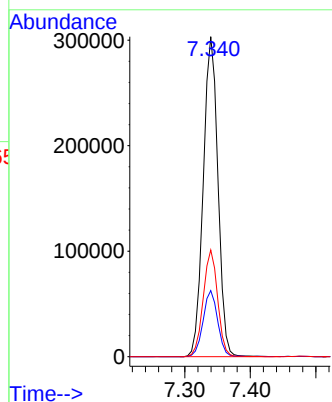
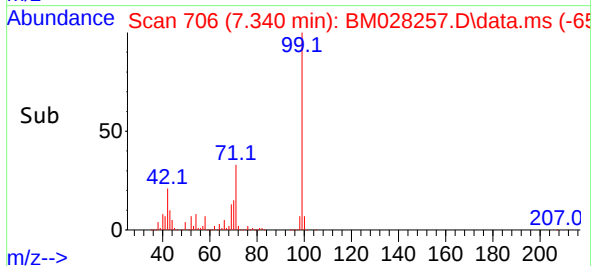
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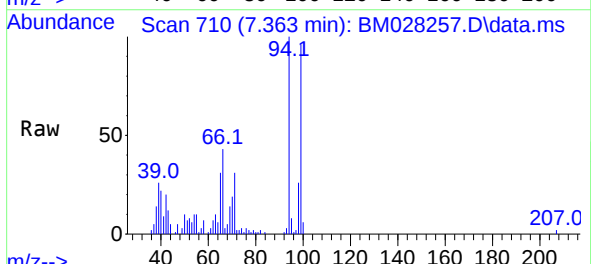
#7
Phenol-d6
Concen: 42.52 ng
RT: 7.340 min Scan# 706
Delta R.T. 0.000 min
Lab File: BM028257.D
Acq: 23 Dec 2020 18:31



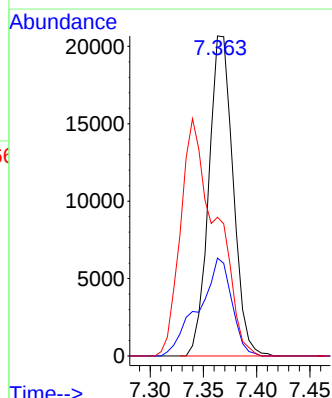
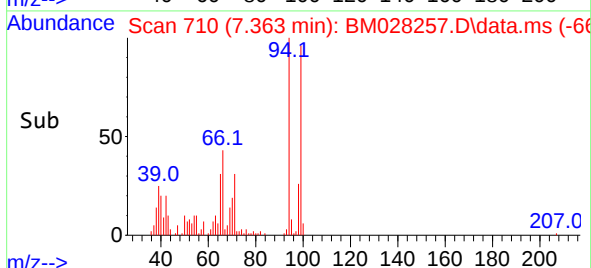
Tgt Ion: 99 Resp: 473177
Ion Ratio Lower Upper
99 100
42 20.7 13.5 20.3#
71 33.4 39.4 59.0#



#10
Phenol
Concen: 3.11 ng
RT: 7.363 min Scan# 710
Delta R.T. -0.006 min
Lab File: BM028257.D
Acq: 23 Dec 2020 18:31



Tgt Ion: 94 Resp: 32908
Ion Ratio Lower Upper
94 100
65 30.6 16.4 56.4
66 43.3 30.2 70.2

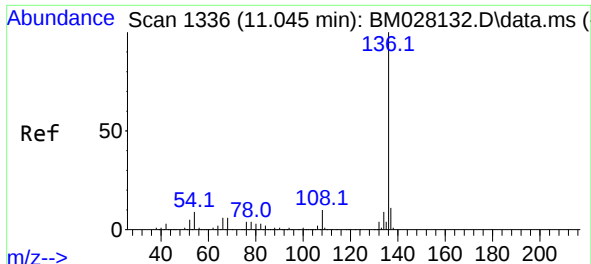


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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.028 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BM028257.D
Acq: 23 Dec 2020 18:31

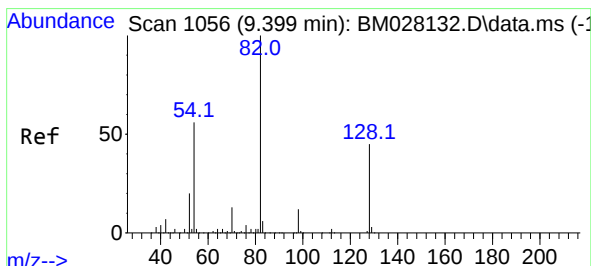
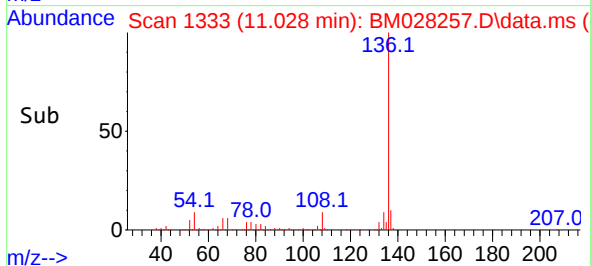
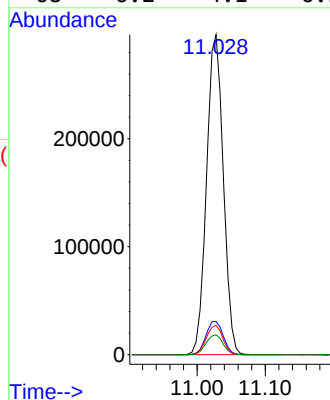
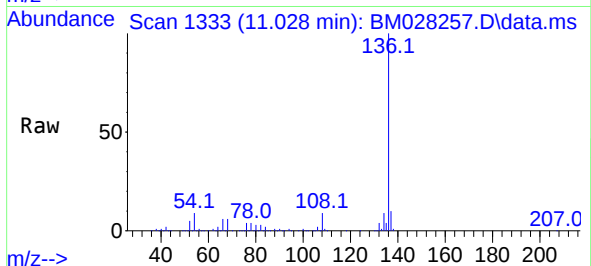
Tgt Ion:	136	Resp:	507093
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.6	12.8
54	9.1	4.6	7.0#
68	6.2	4.1	6.1#

Instrument :
BNA_M
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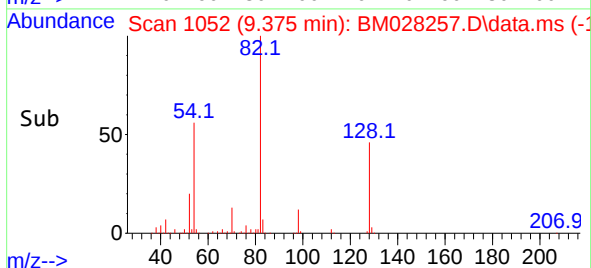
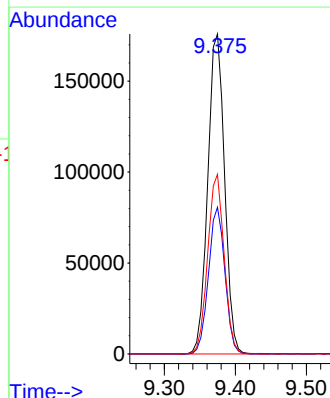
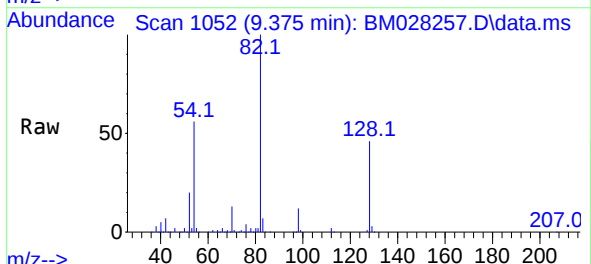
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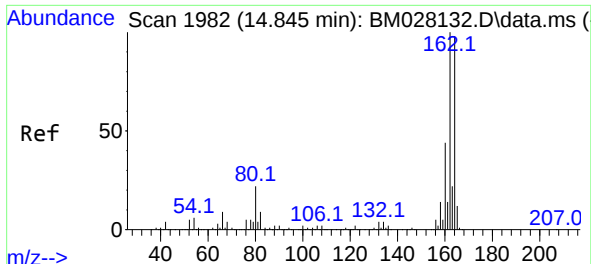
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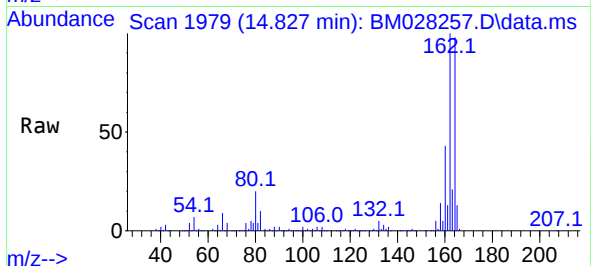
#23
Nitrobenzene-d5
Concen: 28.35 ng
RT: 9.375 min Scan# 1052
Delta R.T. 0.000 min
Lab File: BM028257.D
Acq: 23 Dec 2020 18:31

Tgt Ion:	82	Resp:	289718
Ion Ratio	Lower	Upper	
82	100		
128	45.8	27.4	41.0#
54	56.2	31.4	47.0#

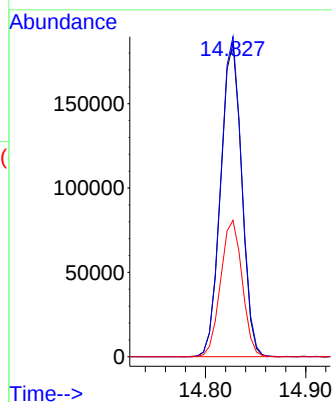




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.827 min Scan# 1979
Delta R.T. 0.000 min
Lab File: BM028257.D
Acq: 23 Dec 2020 18:31



Tgt Ion:164 Resp: 269744
Ion Ratio Lower Upper
164 100
162 102.0 80.4 120.6
160 43.5 35.9 53.9

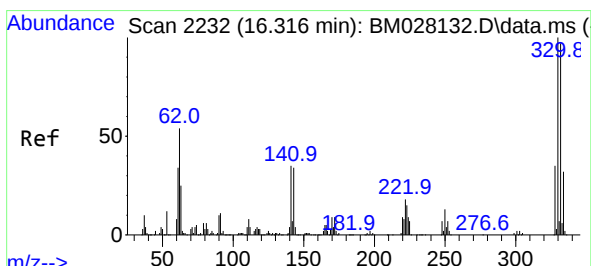


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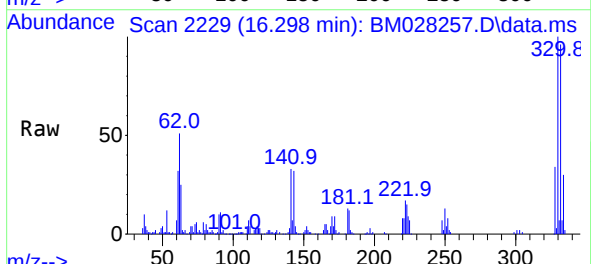
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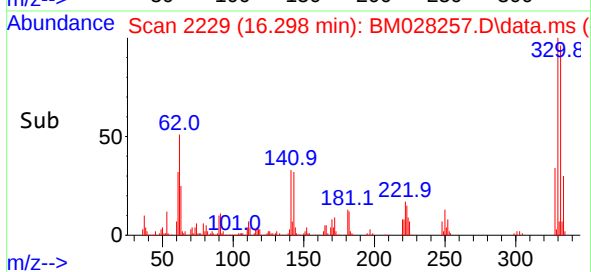
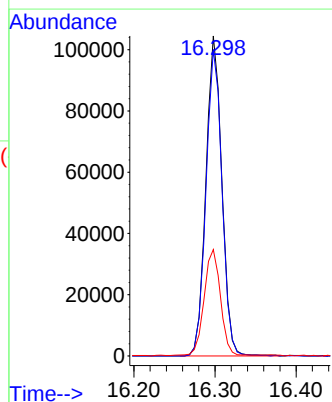
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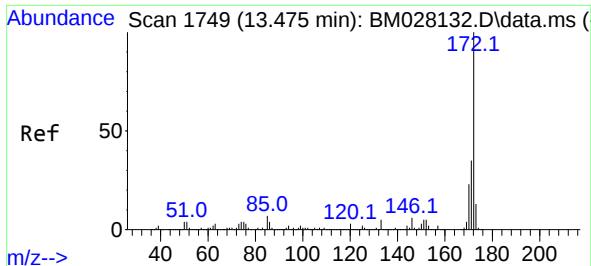


#42
2,4,6-Tribromophenol
Concen: 39.62 ng
RT: 16.298 min Scan# 2229
Delta R.T. -0.006 min
Lab File: BM028257.D
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Tgt Ion:330 Resp: 141883
Ion Ratio Lower Upper
330 100
332 96.3 77.8 116.8
141 33.9 28.4 42.6





#45
2-Fluorobiphenyl
Concen: 23.40 ng
RT: 13.451 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BM028257.D
Acq: 23 Dec 2020 18:31

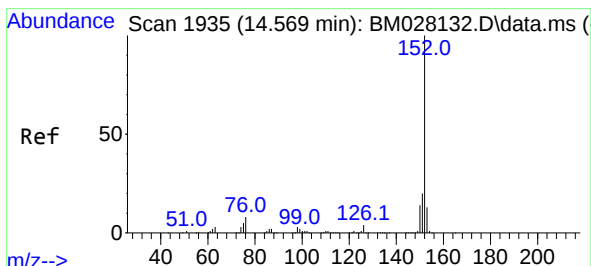
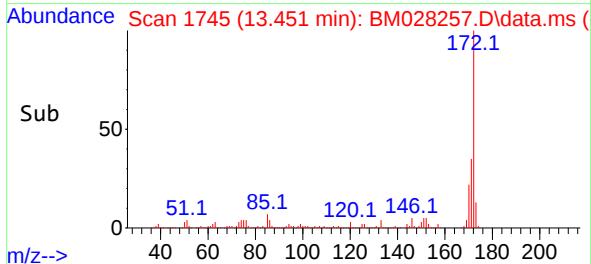
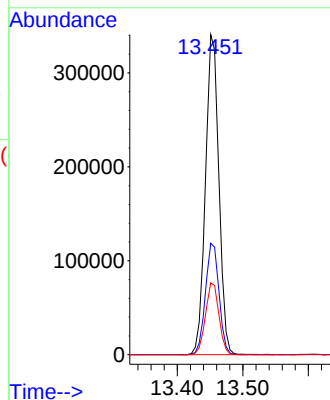
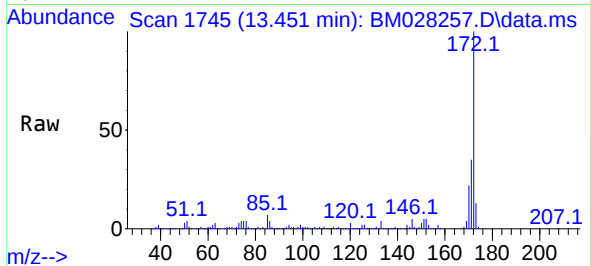
Tgt Ion:	172	Resp:	485606
Ion Ratio	Lower	Upper	
172	100		
171	34.8	27.8	41.8
170	22.5	18.6	27.8

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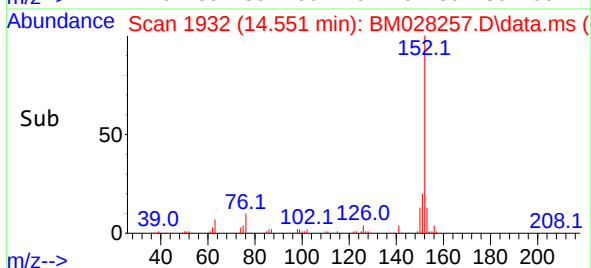
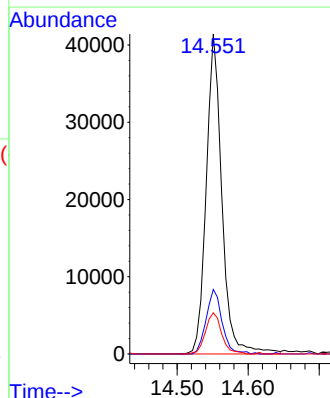
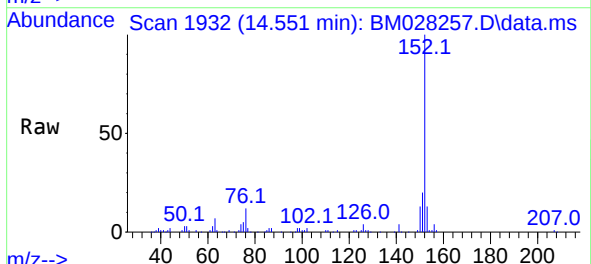
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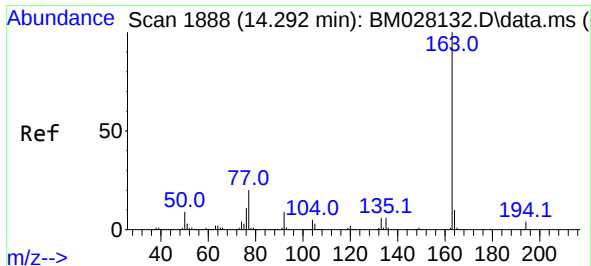
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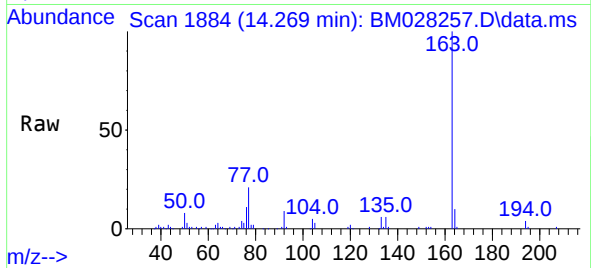
#49
Acenaphthylene
Concen: 2.32 ng
RT: 14.551 min Scan# 1932
Delta R.T. 0.000 min
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Tgt Ion:	152	Resp:	63450
Ion Ratio	Lower	Upper	
152	100		
151	20.2	15.8	23.6
153	12.9	10.4	15.6

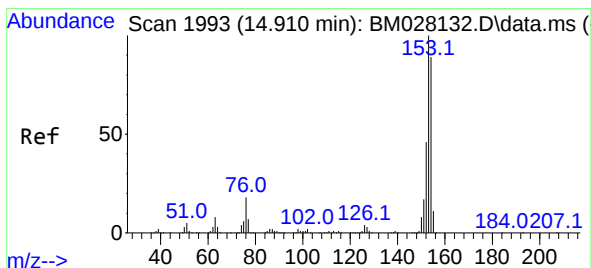
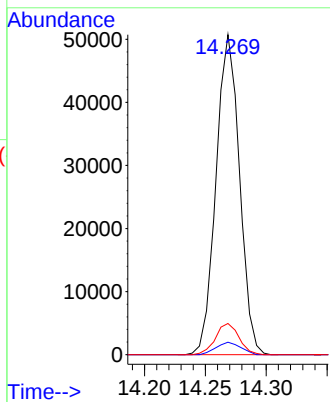
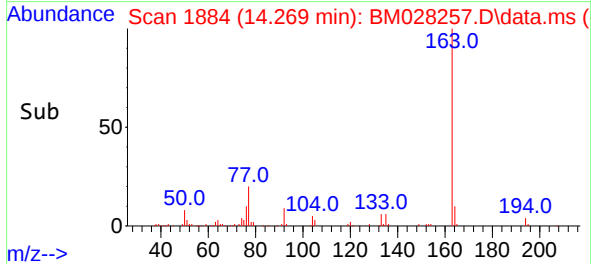




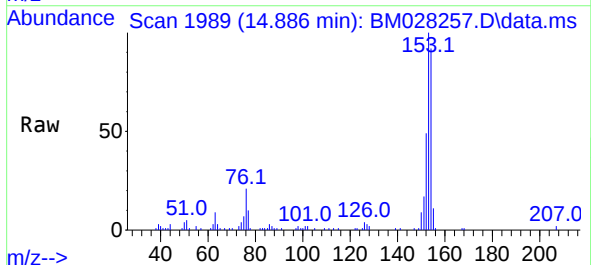
#50
Dimethylphthalate
Concen: 3.04 ng
RT: 14.269 min Scan# 1884
Delta R.T. -0.006 min
Lab File: BM028257.D
Acq: 23 Dec 2020 18:31



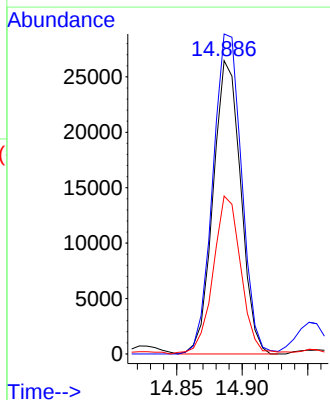
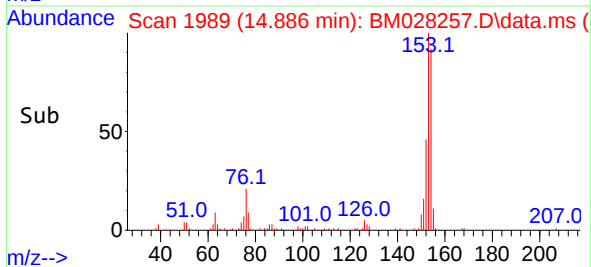
Tgt Ion:163 Resp: 68150
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.2
164 9.8 8.1 12.1



#52
Acenaphthene
Concen: 2.08 ng
RT: 14.886 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BM028257.D
Acq: 23 Dec 2020 18:31



Tgt Ion:154 Resp: 38680
Ion Ratio Lower Upper
154 100
153 109.1 88.3 132.5
152 53.8 41.4 62.2

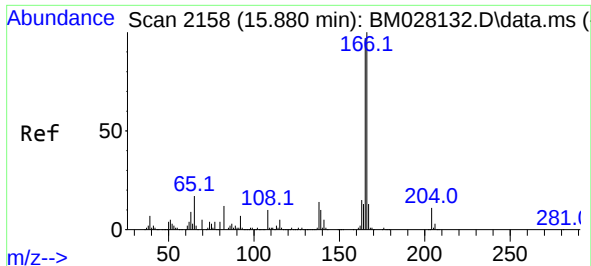


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#58
Fluorene
Concen: 2.42 ng
RT: 15.863 min Scan# 2155
Delta R.T. 0.000 min
Lab File: BM028257.D
Acq: 23 Dec 2020 18:31

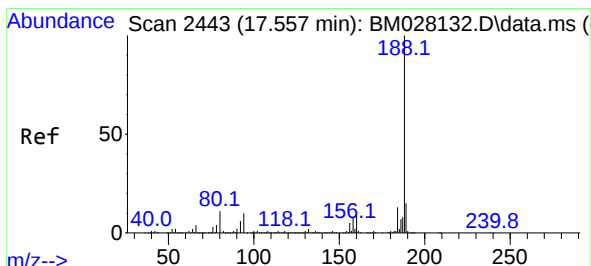
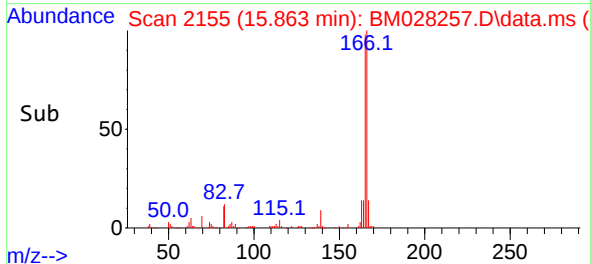
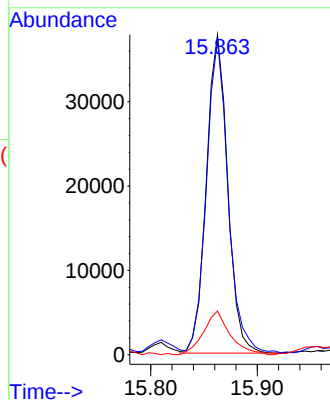
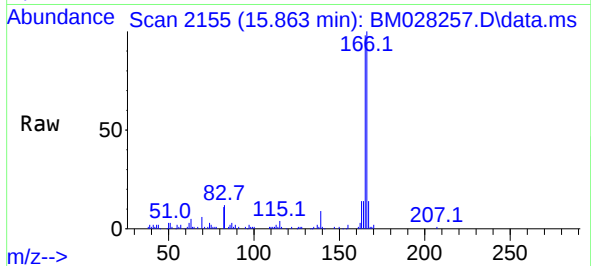
Tgt Ion:166 Resp: 52658
Ion Ratio Lower Upper
166 100
165 98.5 76.2 114.2
167 13.7 10.7 16.1

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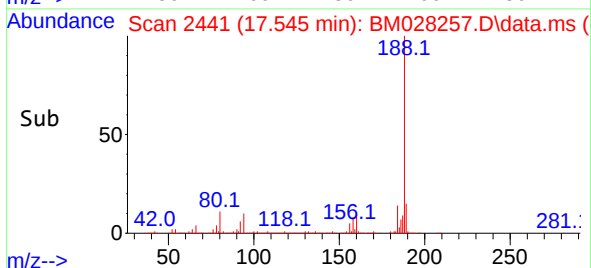
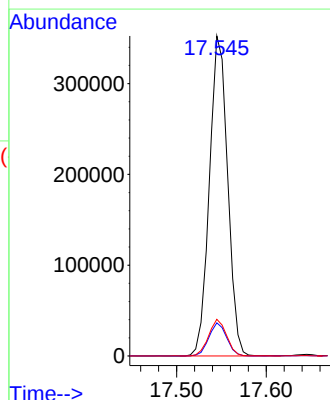
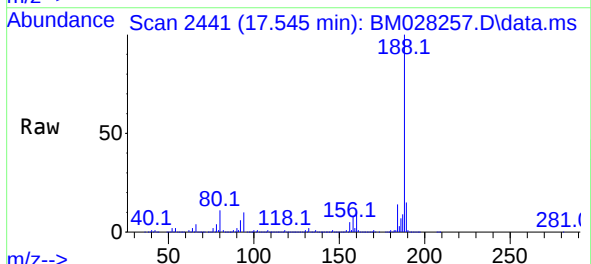
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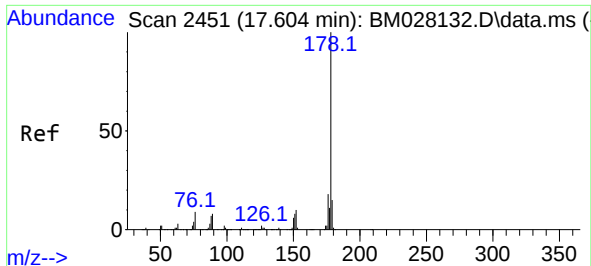
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.545 min Scan# 2441
Delta R.T. 0.000 min
Lab File: BM028257.D
Acq: 23 Dec 2020 18:31

Tgt Ion:188 Resp: 497695
Ion Ratio Lower Upper
188 100
94 10.3 6.2 9.4#
80 11.5 7.5 11.3#





#71
Phenanthrene
Concen: 35.86 ng
RT: 17.592 min Scan# 2449
Delta R.T. 0.000 min
Lab File: BM028257.D
Acq: 23 Dec 2020 18:31

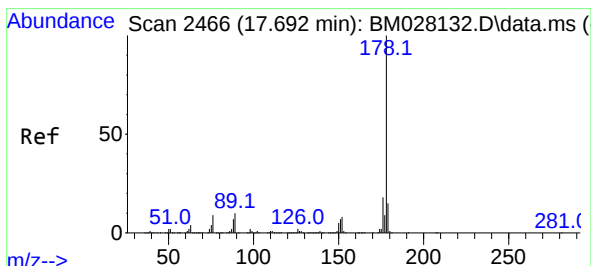
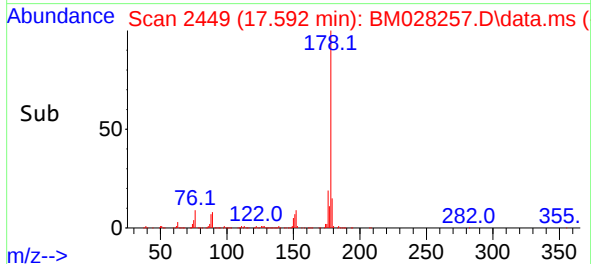
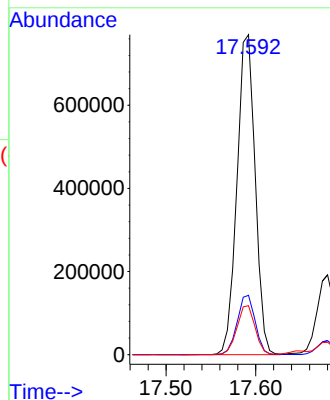
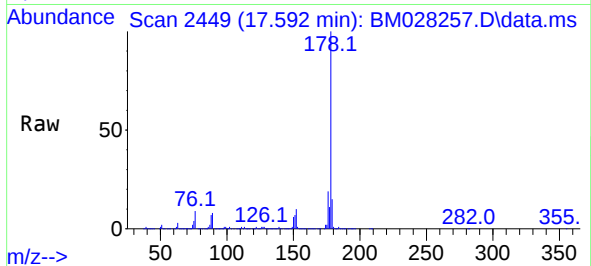
Tgt Ion:178 Resp: 1083773
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.3 12.2 18.4

Instrument :
BNA_M
ClientSampleId :
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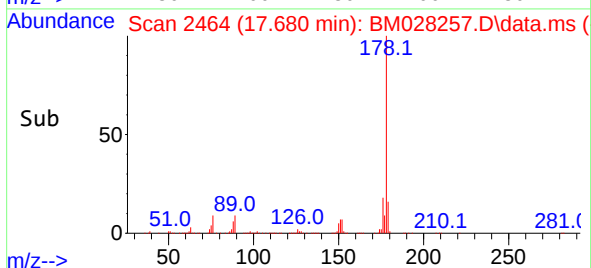
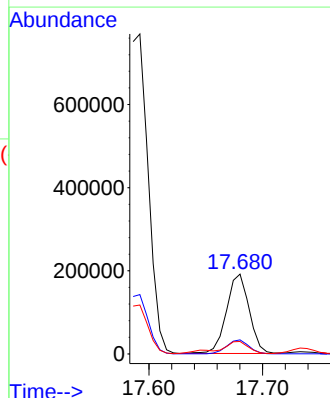
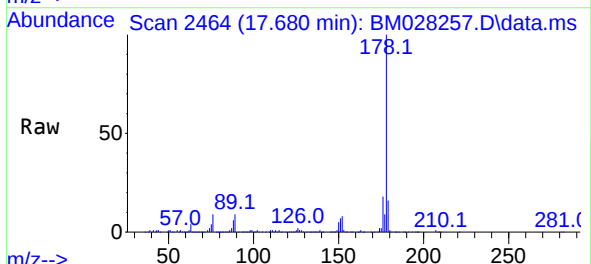
mohammad

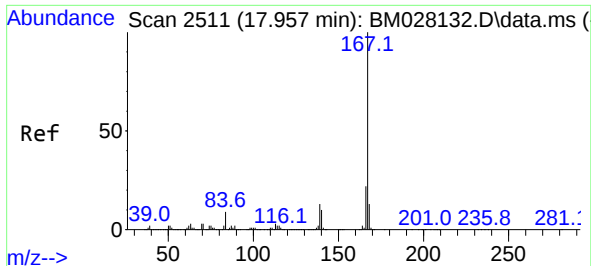
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#72
Anthracene
Concen: 9.03 ng
RT: 17.680 min Scan# 2464
Delta R.T. 0.000 min
Lab File: BM028257.D
Acq: 23 Dec 2020 18:31

Tgt Ion:178 Resp: 263941
Ion Ratio Lower Upper
178 100
176 17.7 15.0 22.4
179 15.7 12.5 18.7





#73
 Carbazole
 Concen: 3.99 ng
 RT: 17.939 min Scan# 2508
 Delta R.T. -0.006 min
 Lab File: BM028257.D
 Acq: 23 Dec 2020 18:31

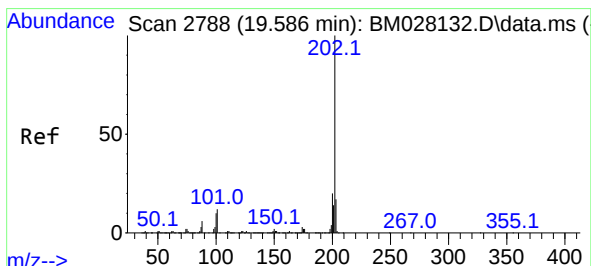
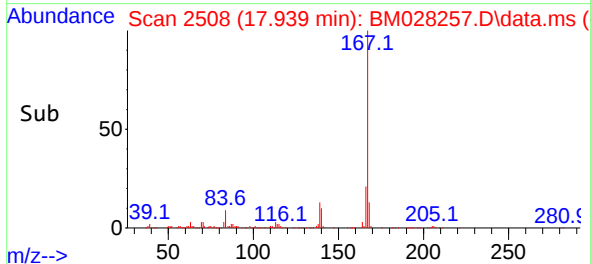
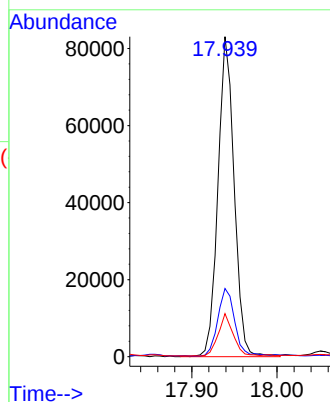
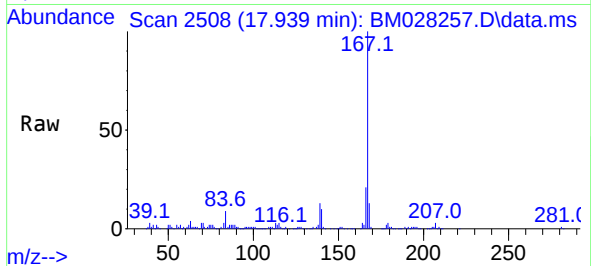
Tgt Ion:167	Resp: 110059		
Ion Ratio	Lower	Upper	
167	100		
166	21.3	16.9	25.3
139	13.5	9.9	14.9

Instrument :
 BNA_M
 ClientSampleId :
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Manual Integrations
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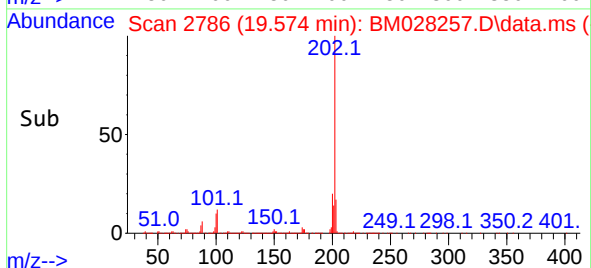
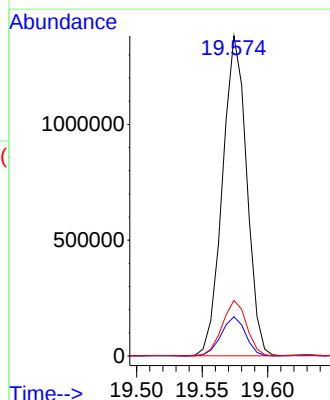
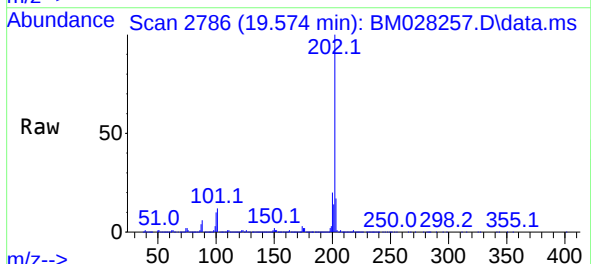
mohammad

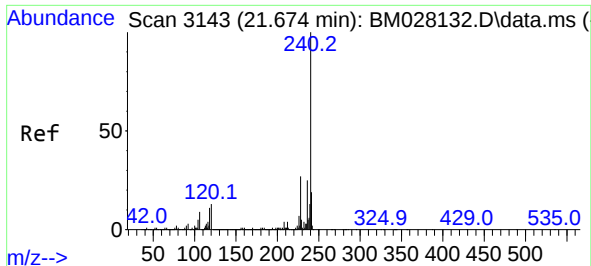
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#75
 Fluoranthene
 Concen: 52.45 ng
 RT: 19.574 min Scan# 2786
 Delta R.T. 0.000 min
 Lab File: BM028257.D
 Acq: 23 Dec 2020 18:31

Tgt Ion:202	Resp: 1775073
Ion Ratio	Lower Upper
202 100	
101 12.2	0.0 28.5
203 17.3	0.0 37.3





#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.662 min Scan# 3141
Delta R.T. 0.000 min
Lab File: BM028257.D
Acq: 23 Dec 2020 18:31

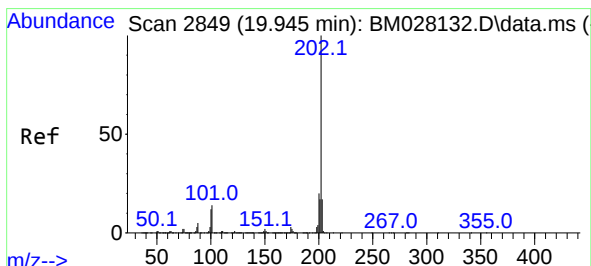
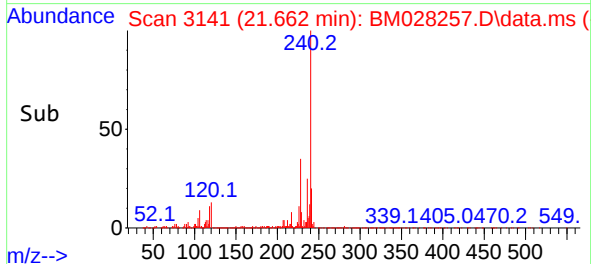
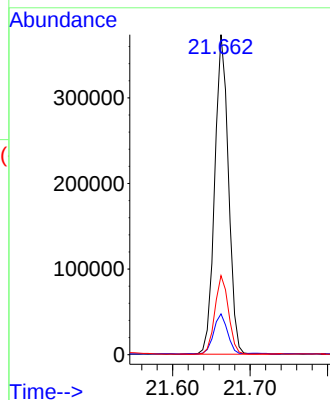
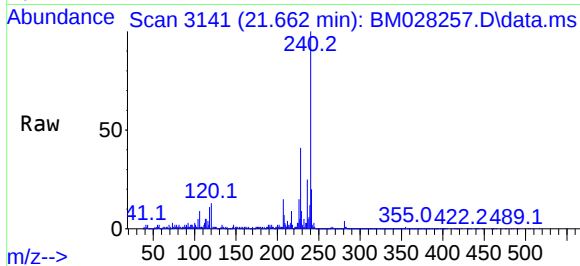
Tgt Ion:240 Resp: 458676
Ion Ratio Lower Upper
240 100
120 12.8 6.4 9.6#
236 24.7 20.1 30.1

Instrument :
BNA_M
ClientSampleId :
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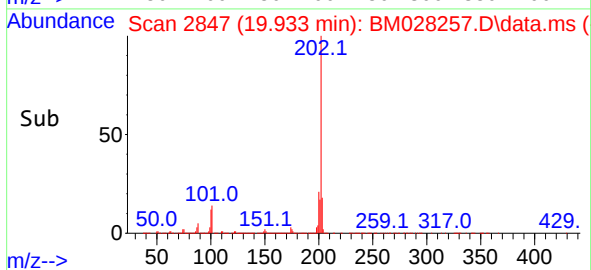
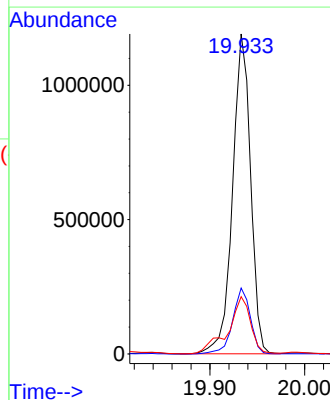
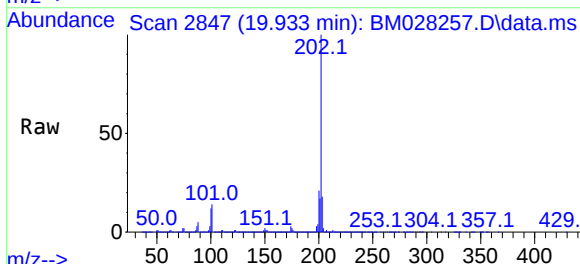
mohammad

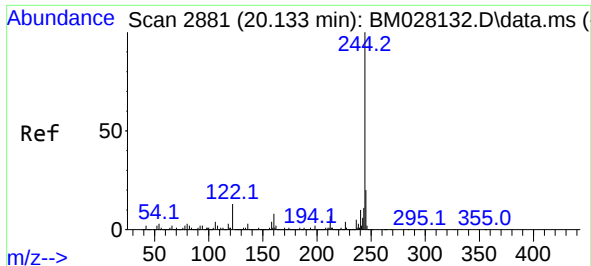
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#78
Pyrene
Concen: 47.26 ng
RT: 19.933 min Scan# 2847
Delta R.T. 0.000 min
Lab File: BM028257.D
Acq: 23 Dec 2020 18:31

Tgt Ion:202 Resp: 1569479
Ion Ratio Lower Upper
202 100
200 20.6 16.6 24.8
203 17.9 13.8 20.6





#79
 Terphenyl-d14
 Concen: 16.69 ng
 RT: 20.115 min Scan# 2878
 Delta R.T. -0.006 min
 Lab File: BM028257.D
 Acq: 23 Dec 2020 18:31

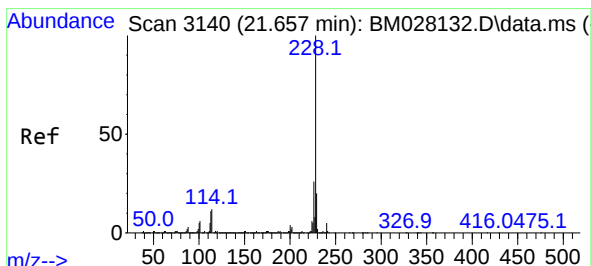
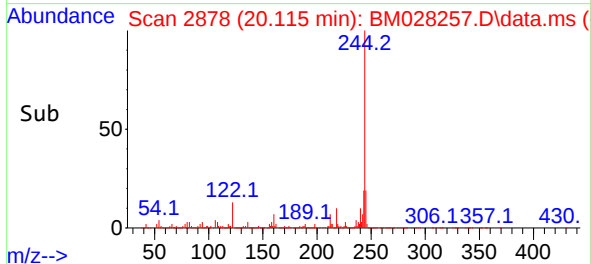
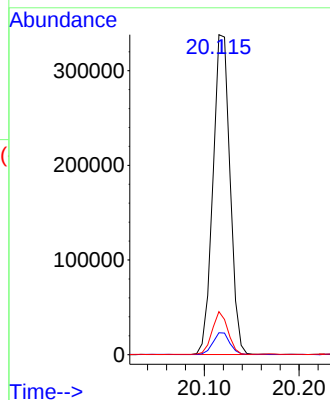
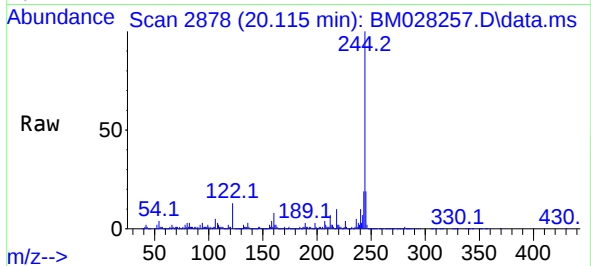
Tgt Ion:	244	Resp:	421984
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.8	8.8
122	13.4	6.5	9.7#

Instrument :
 BNA_M
 ClientSampled :
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Manual Integrations
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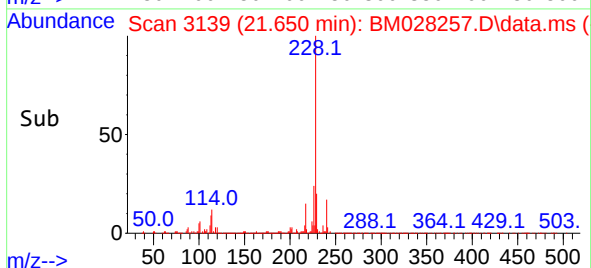
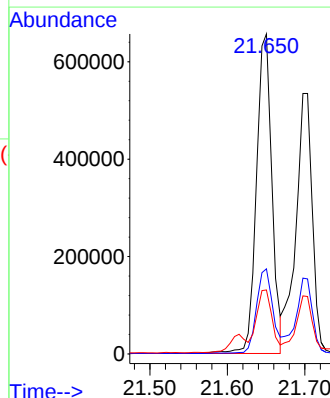
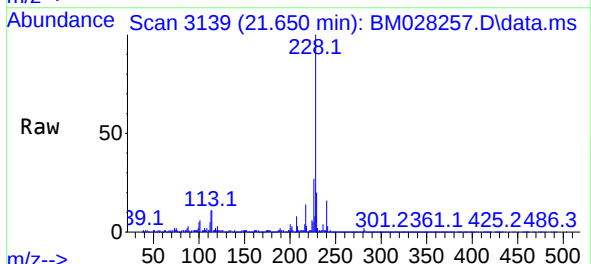
mohammad

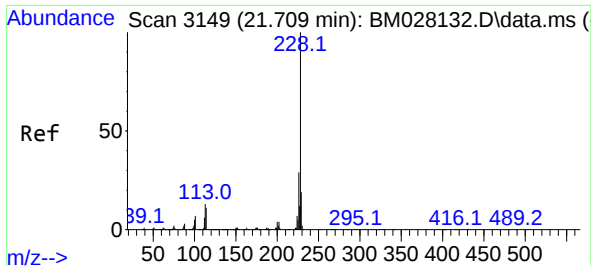
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#81
 Benzo(a)anthracene
 Concen: 29.14 ng
 RT: 21.650 min Scan# 3139
 Delta R.T. 0.006 min
 Lab File: BM028257.D
 Acq: 23 Dec 2020 18:31

Tgt Ion:	228	Resp:	910414
Ion Ratio	Lower	Upper	
228	100		
226	26.6	21.1	31.7
229	20.0	15.7	23.5





#83
Chrysene
Concen: 26.12 ng m
RT: 21.703 min Scan# 3148
Delta R.T. 0.006 min
Lab File: BM028257.D
Acq: 23 Dec 2020 18:31

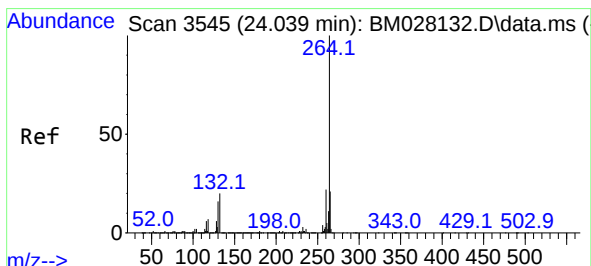
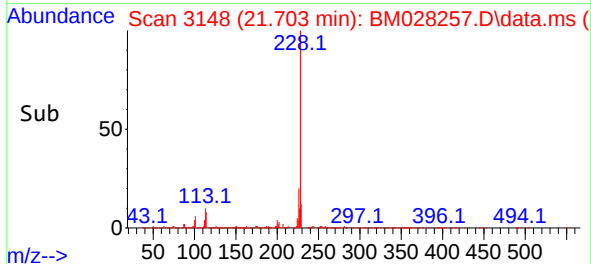
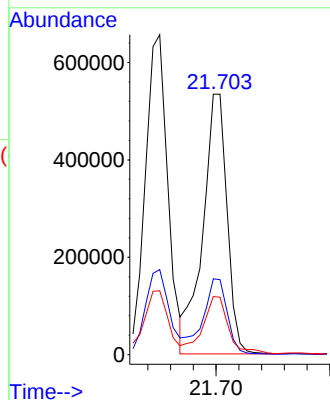
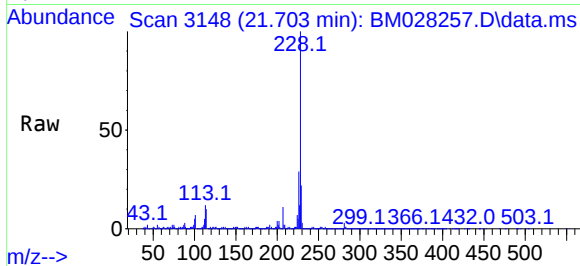
Tgt Ion:	228	Resp:	790125
Ion Ratio	Lower	Upper	
228	100		
226	28.8	23.4	35.0
229	22.0	15.7	23.5

Instrument :
BNA_M
ClientSampleId :
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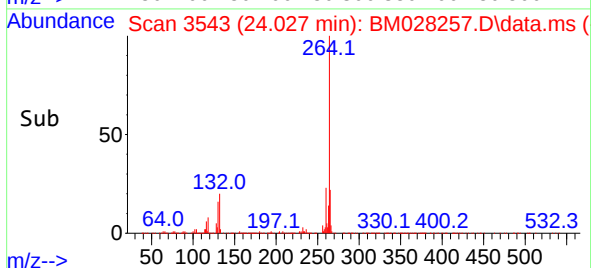
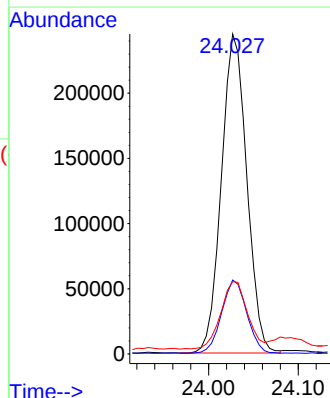
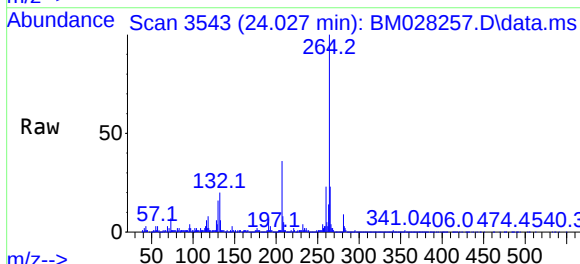
mohammad

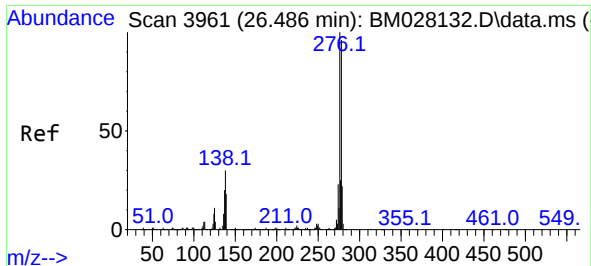
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#86
Perylene-d12
Concen: 20.00 ng
RT: 24.027 min Scan# 3543
Delta R.T. 0.006 min
Lab File: BM028257.D
Acq: 23 Dec 2020 18:31

Tgt Ion:	264	Resp:	481039
Ion Ratio	Lower	Upper	
264	100		
260	23.1	19.0	28.4
265	22.6	17.7	26.5





#87
Indeno(1,2,3-cd)pyrene
Concen: 13.60 ng m
RT: 26.456 min Scan# 3956
Delta R.T. 0.000 min
Lab File: BM028257.D
Acq: 23 Dec 2020 18:31

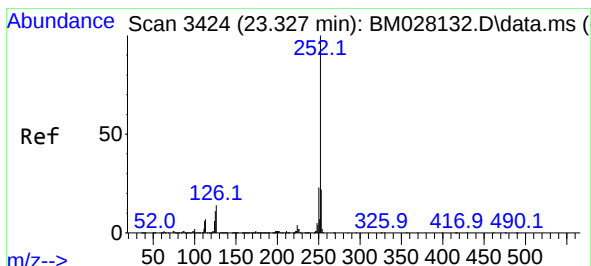
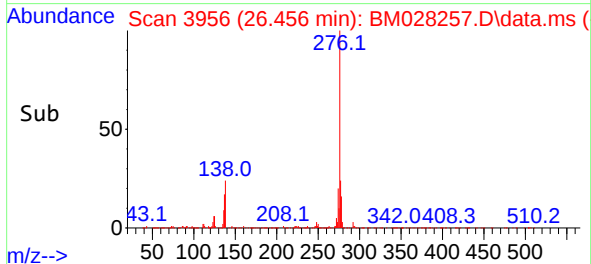
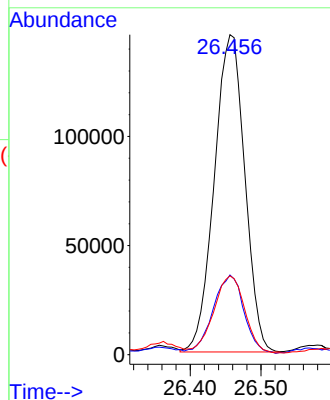
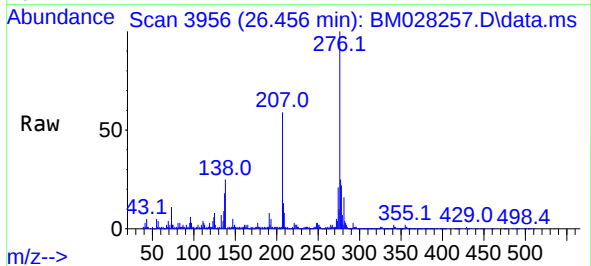
Tgt Ion:276 Resp: 434750
Ion Ratio Lower Upper
276 100
138 1.7 14.2 21.4#
277 2.4 19.8 29.8#

Instrument :
BNA_M
ClientSampled :
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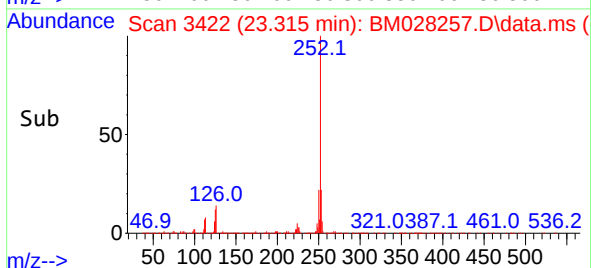
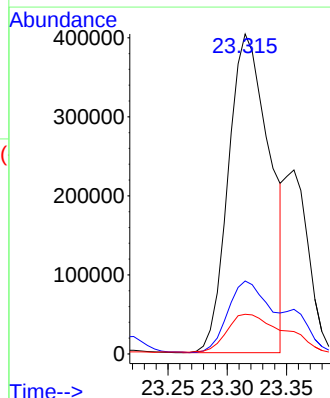
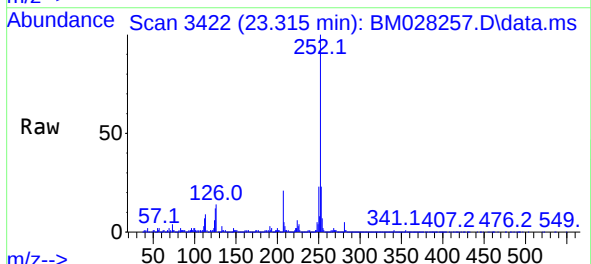
mohammad

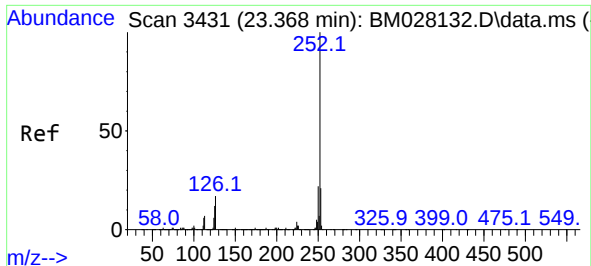
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#88
Benzo(b)fluoranthene
Concen: 29.68 ng m
RT: 23.315 min Scan# 3422
Delta R.T. 0.006 min
Lab File: BM028257.D
Acq: 23 Dec 2020 18:31

Tgt Ion:252 Resp: 972718
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 12.4 5.7 8.5#





#89
Benzo(k)fluoranthene
Concen: 10.00 ng m
RT: 23.356 min Scan# 3429
Delta R.T. 0.000 min
Lab File: BM028257.D
Acq: 23 Dec 2020 18:31

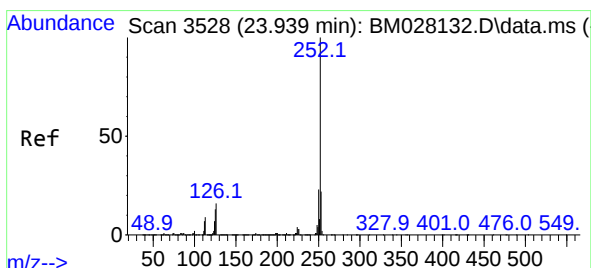
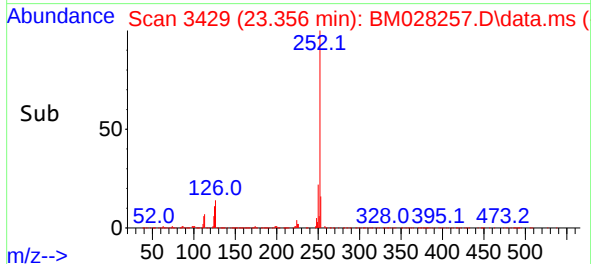
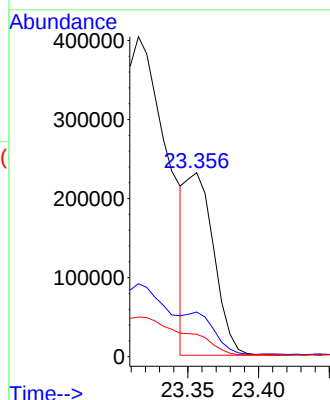
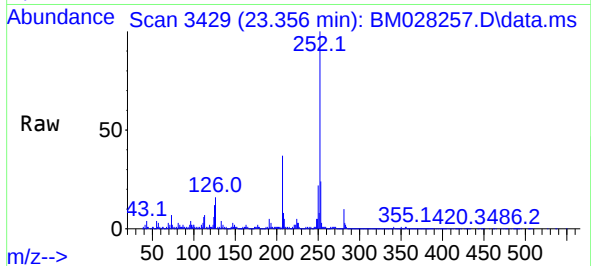
Tgt Ion:252 Resp: 318458
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 12.2 5.6 8.4#

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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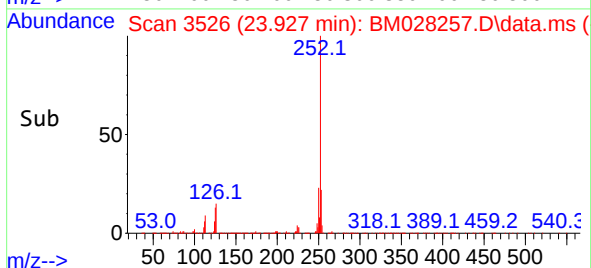
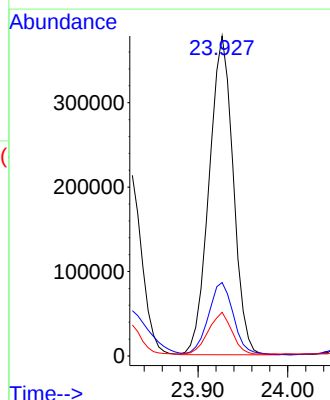
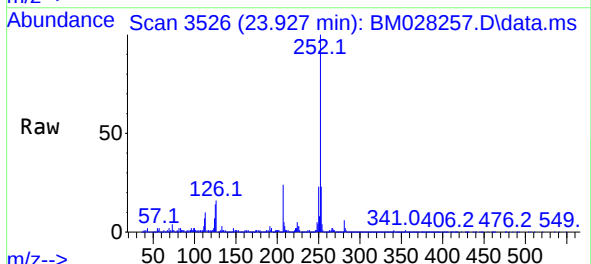
mohammad

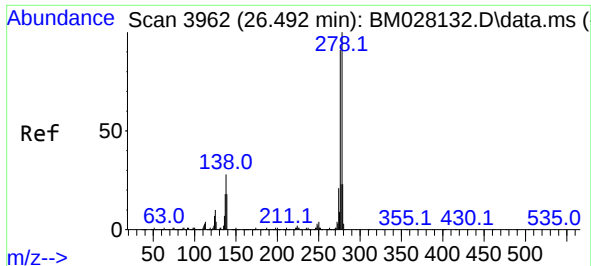
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#90
Benzo(a)pyrene
Concen: 23.93 ng
RT: 23.927 min Scan# 3526
Delta R.T. 0.006 min
Lab File: BM028257.D
Acq: 23 Dec 2020 18:31

Tgt Ion:252 Resp: 703785
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 13.7 6.6 9.8#





#91
Dibenzo(a,h)anthracene
Concen: 4.55 ng
RT: 26.462 min Scan# 3957
Delta R.T. 0.000 min
Lab File: BM028257.D
Acq: 23 Dec 2020 18:31

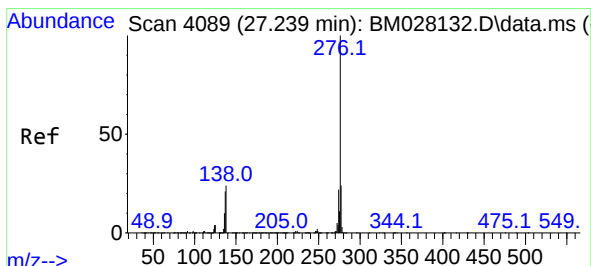
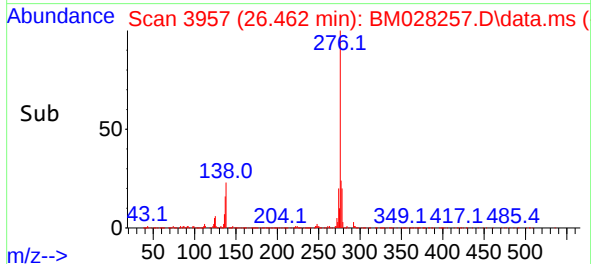
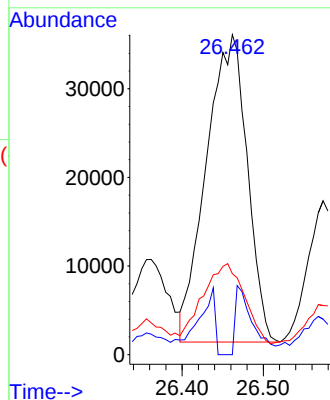
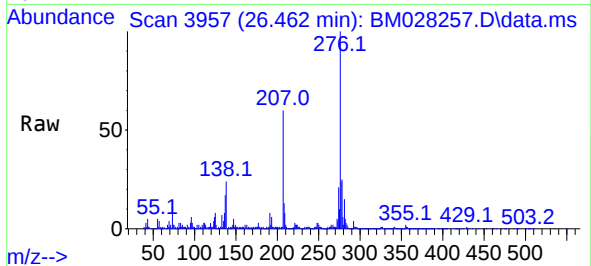
Tgt Ion:278 Resp: 121343
Ion Ratio Lower Upper
278 100
139 0.0 9.0 13.6#
279 25.3 19.0 28.4

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 15.13 ng
RT: 27.209 min Scan# 4084
Delta R.T. 0.006 min
Lab File: BM028257.D
Acq: 23 Dec 2020 18:31

Tgt Ion:276 Resp: 385770
Ion Ratio Lower Upper
276 100
277 25.0 18.6 28.0
138 24.4 12.2 18.2#

