

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012721\
 Data File : BM028559.D
 Acq On : 27 Jan 2021 02:12
 Operator : CG/JU
 Sample : M1231-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EO-02-012521

Manual Integrations
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Quant Time: Jan 27 03:28:51 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 27 03:11:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	41741	20.00	ng	0.00
21) Naphthalene-d8	10.810	136	154945	20.00	ng	# 0.00
39) Acenaphthene-d10	14.639	164	79782	20.00	ng	0.00
64) Phenanthrene-d10	17.368	188	146071	20.00	ng	# 0.00
76) Chrysene-d12	21.497	240	134460	20.00	ng	# 0.00
86) Perylene-d12	23.774	264	138898	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	78420	29.68	ng	0.06
7) Phenol-d6	7.245	99	98995	27.52	ng	0.09
23) Nitrobenzene-d5	9.169	82	61406	18.80	ng	0.00
42) 2,4,6-Tribromophenol	16.133	330	26633	25.20	ng	0.02
45) 2-Fluorobiphenyl	13.257	172	130819	20.57	ng	0.00
79) Terphenyl-d14	19.956	244	139078	18.68	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.463	142	18310	3.03	ng	95
38) 1-Methylnaphthalene	12.686	142	17213	3.01	ng	96
52) Acenaphthene	14.704	154	10452	2.04	ng	98
58) Fluorene	15.680	166	28220	4.37	ng	96
71) Phenanthrene	17.409	178	217270	24.19	ng	100
72) Anthracene	17.498	178	66021	7.61	ng	99
75) Fluoranthene	19.403	202	216864	21.50	ng	95
78) Pyrene	19.768	202	233291	24.20	ng	99
81) Benzo(a)anthracene	21.486	228	112169	12.08	ng	96
83) Chrysene	21.533	228	102876m	11.48	ng	
87) Indeno(1,2,3-cd)pyrene	26.085	276	57937m	5.60	ng	
88) Benzo(b)fluoranthene	23.091	252	120159m	12.74	ng	
89) Benzo(k)fluoranthene	23.127	252	34310m	3.73	ng	
90) Benzo(a)pyrene	23.674	252	95147	10.89	ng	# 91
92) Benzo(g,h,i)perylene	26.803	276	57282	6.80	ng	# 85

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

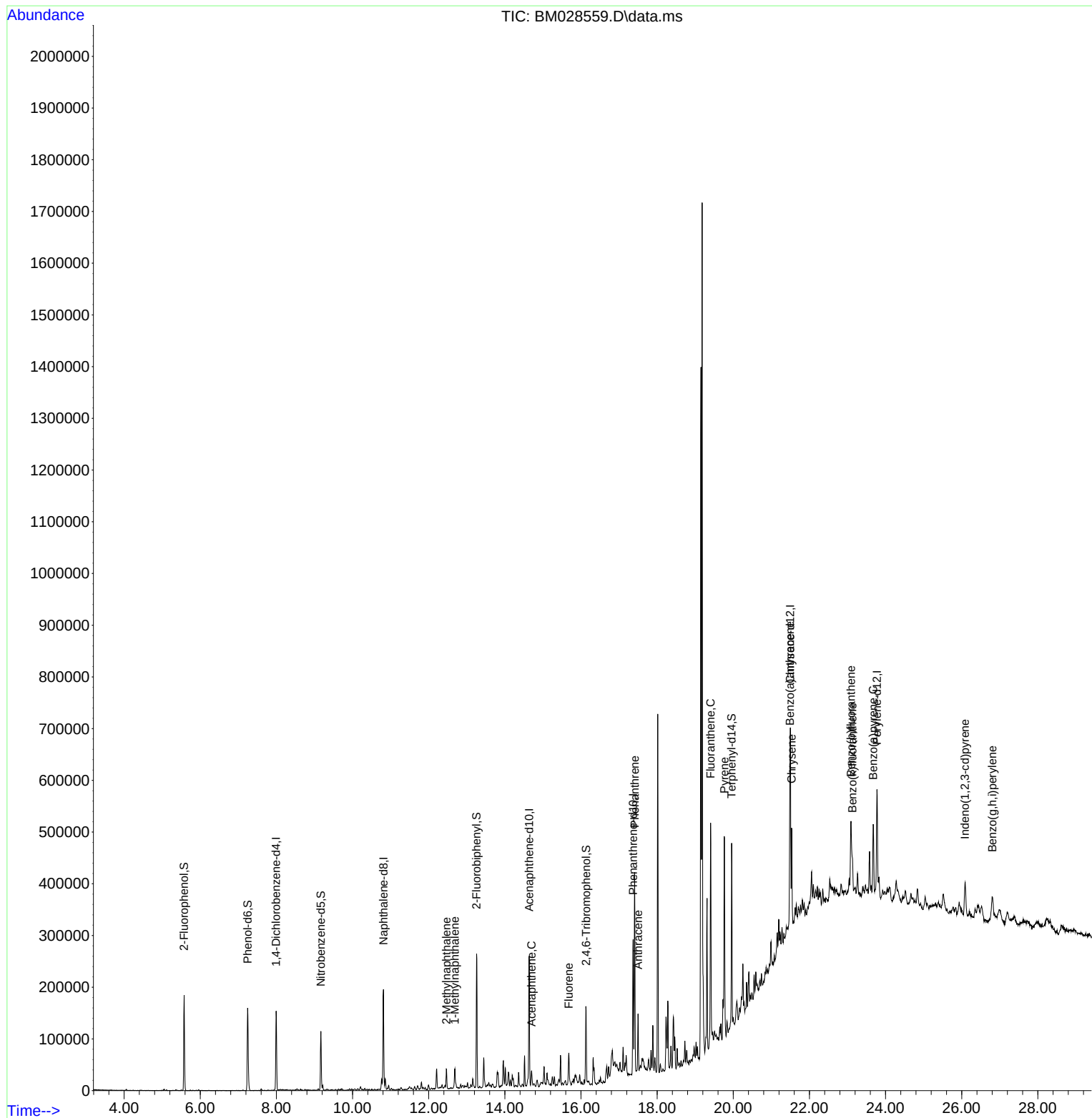
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ALS Vial : 15 Sample Multiplier: 1

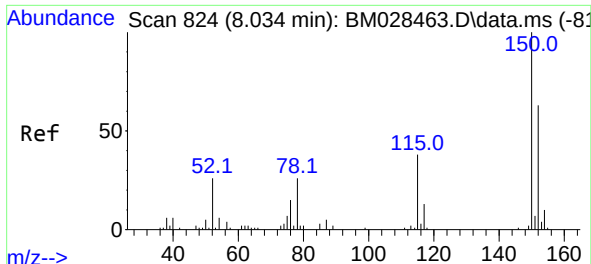
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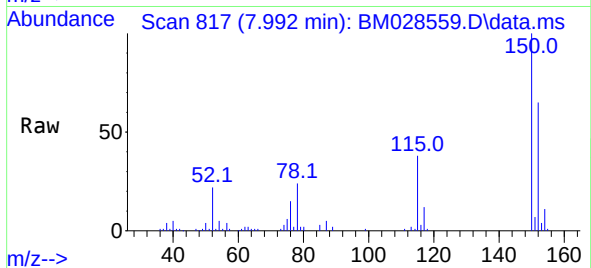
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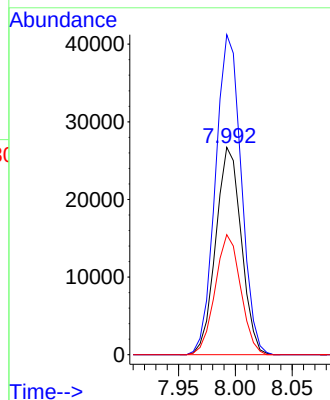
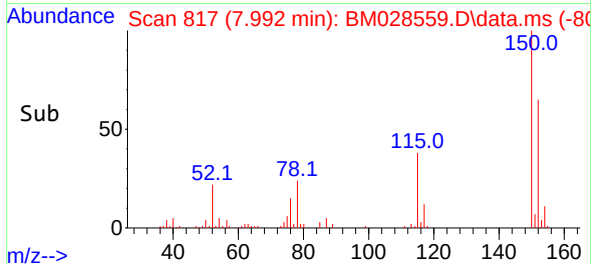




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.992 min Scan# 817
Delta R.T. -0.001 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12



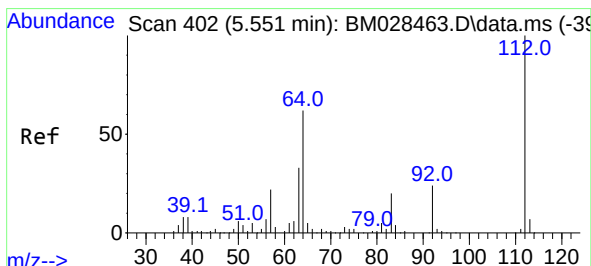
Tgt Ion:152 Resp: 41741
Ion Ratio Lower Upper
152 100
150 154.4 120.6 181.0
115 57.9 47.2 70.8



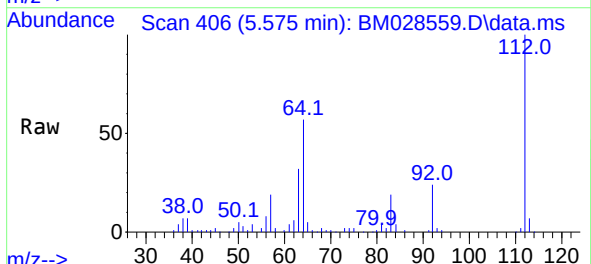
Instrument :
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ClientSampled :
EO-02-012521

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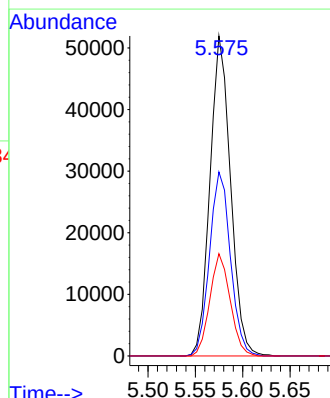
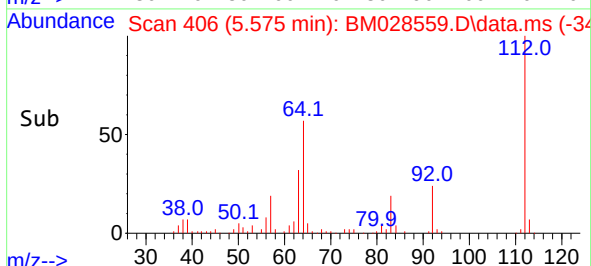
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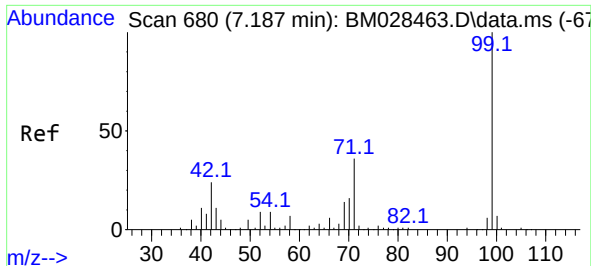


#5
2-Fluorophenol
Concen: 29.68 ng
RT: 5.575 min Scan# 406
Delta R.T. 0.064 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12

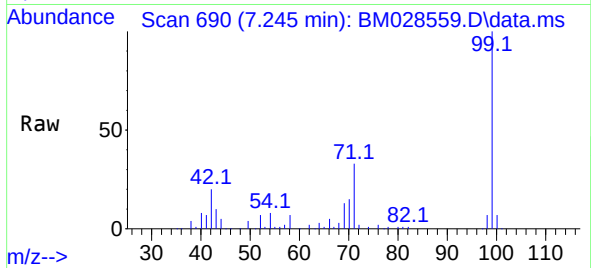


Tgt Ion:112 Resp: 78420
Ion Ratio Lower Upper
112 100
64 57.5 50.6 76.0
63 32.0 31.0 46.6

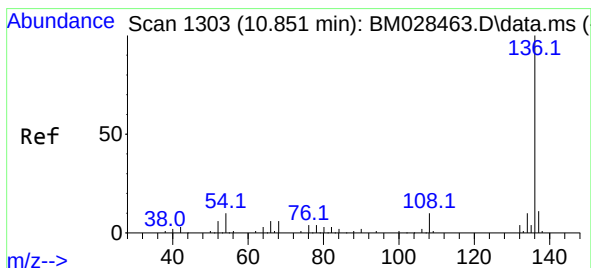
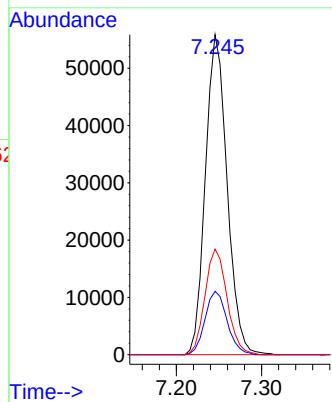
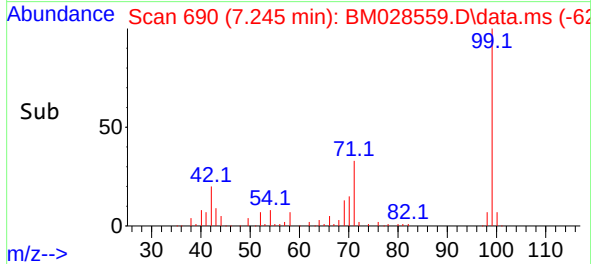




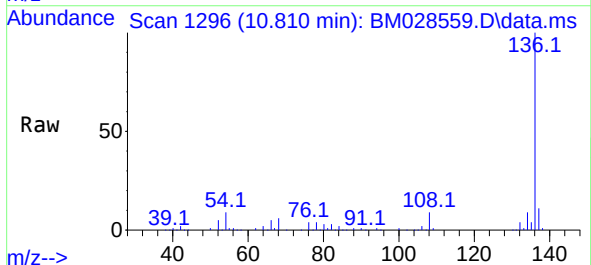
#7
Phenol-d6
Concen: 27.52 ng
RT: 7.245 min Scan# 690
Delta R.T. 0.094 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12



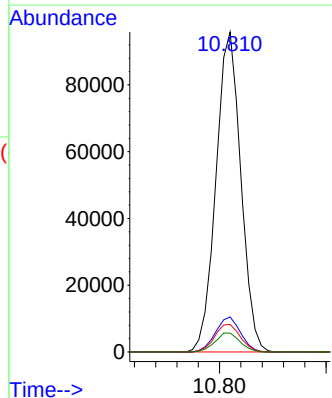
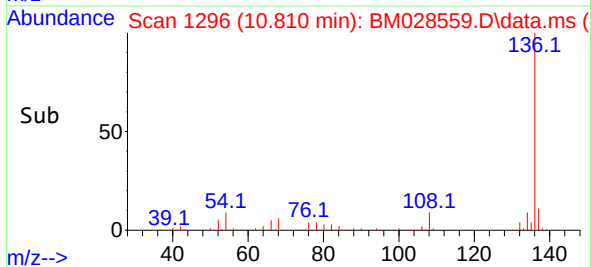
Tgt Ion: 99 Resp: 98995
Ion Ratio Lower Upper
99 100
42 19.8 13.5 20.3
71 33.0 39.4 59.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.810 min Scan# 1296
Delta R.T. 0.005 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12



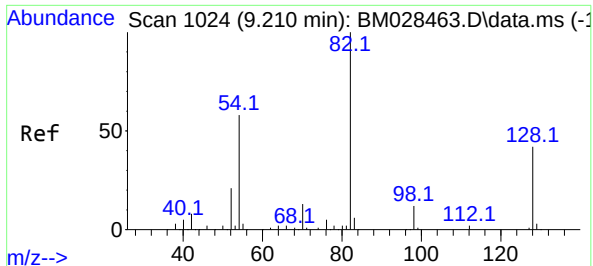
Tgt Ion: 136 Resp: 154945
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 8.6 4.6 7.0#
68 5.9 4.1 6.1



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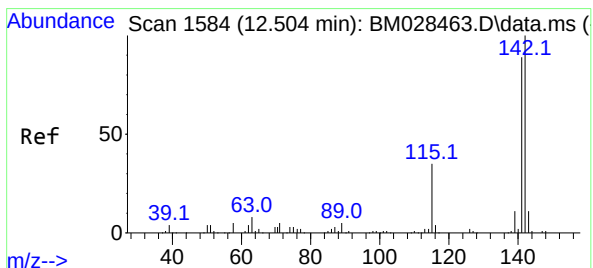
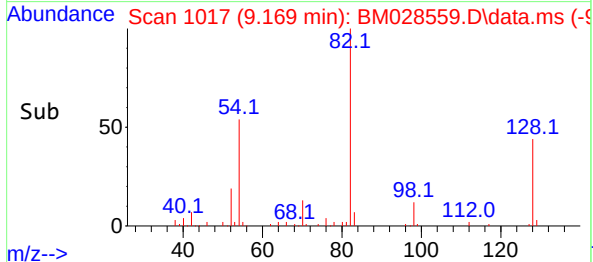
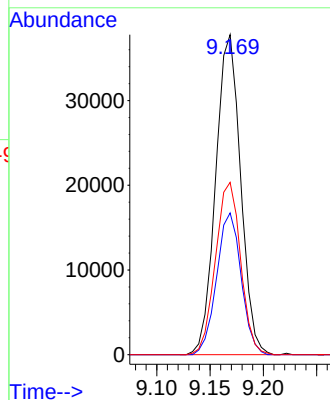
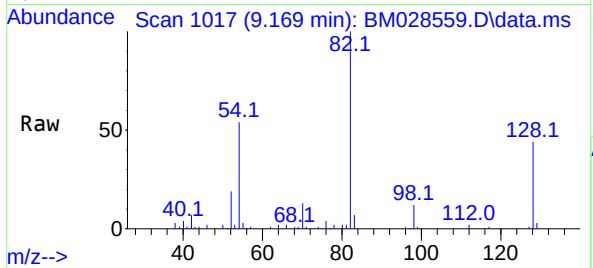
#23
Nitrobenzene-d5
Concen: 18.80 ng
RT: 9.169 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12

Tgt Ion: 82 Resp: 61406
Ion Ratio Lower Upper
82 100
128 44.3 27.4 41.0#
54 53.9 31.4 47.0#

Instrument :
BNA_M
ClientSampled :
EO-02-012521

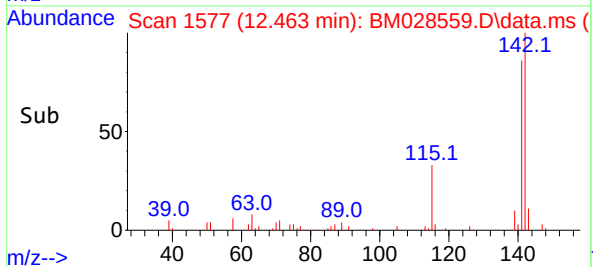
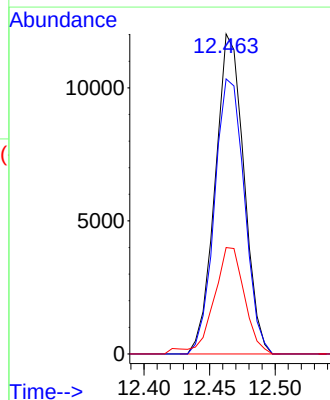
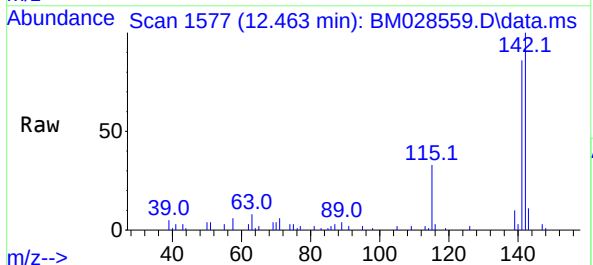
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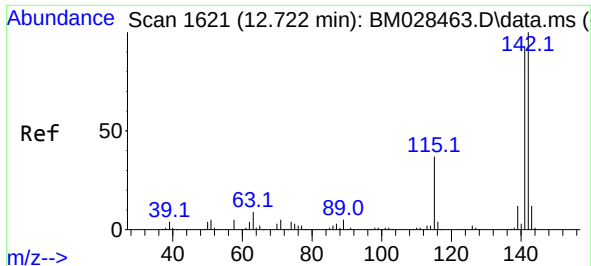
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#37
2-Methylnaphthalene
Concen: 3.03 ng
RT: 12.463 min Scan# 1577
Delta R.T. -0.000 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12

Tgt Ion: 142 Resp: 18310
Ion Ratio Lower Upper
142 100
141 86.0 70.3 105.5
115 33.3 32.2 48.4





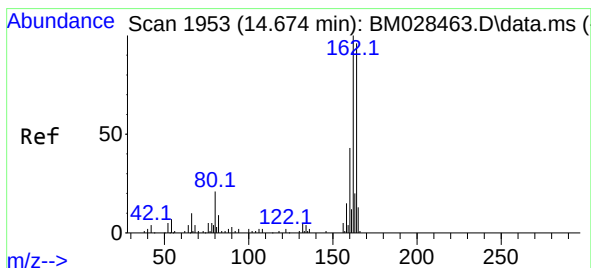
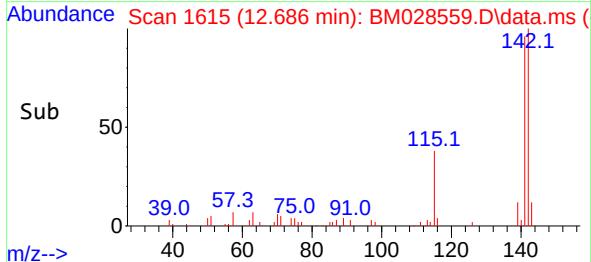
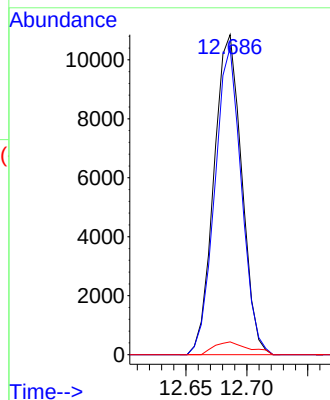
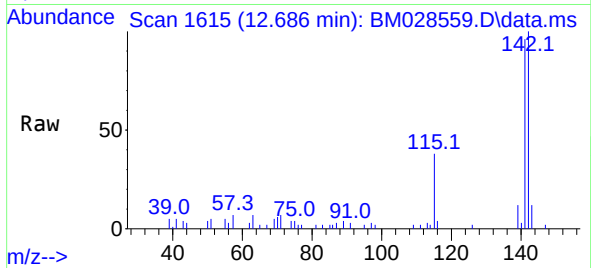
#38
1-Methylnaphthalene
Concen: 3.01 ng
RT: 12.686 min Scan# 1615
Delta R.T. 0.005 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12

Tgt Ion:142 Resp: 17213
Ion Ratio Lower Upper
142 100
141 96.0 73.8 110.6
116 4.0 3.5 5.3

Instrument :
BNA_M
ClientSampled :
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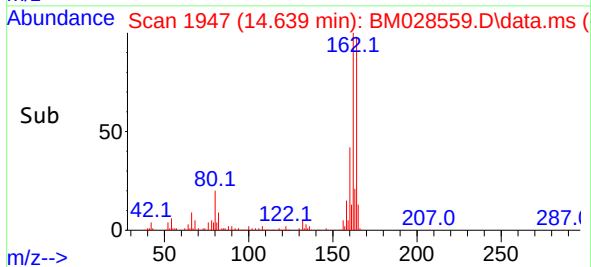
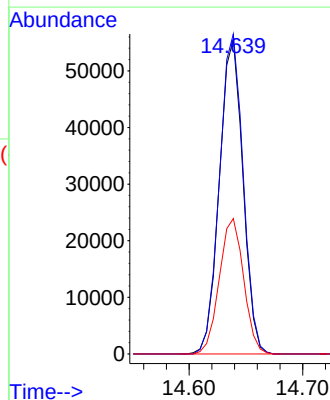
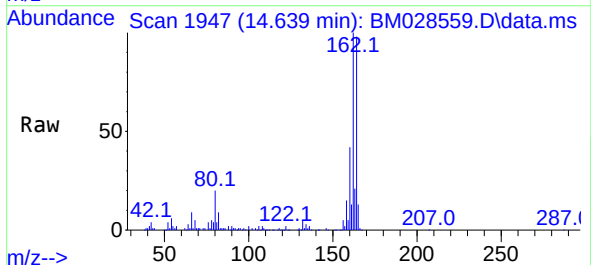
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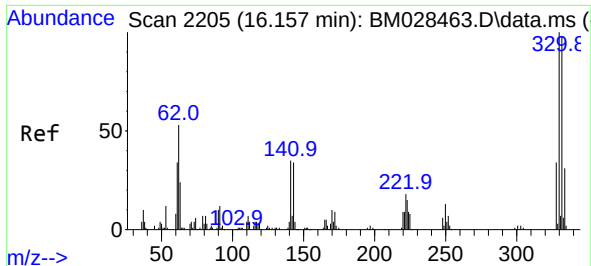
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.639 min Scan# 1947
Delta R.T. 0.005 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12

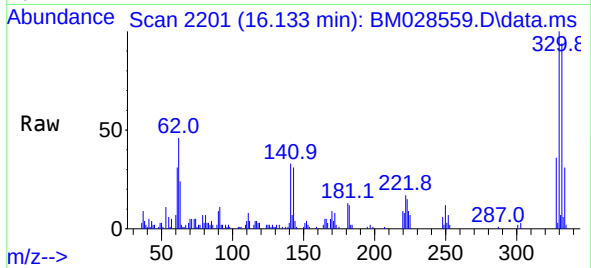
Tgt Ion:164 Resp: 79782
Ion Ratio Lower Upper
164 100
162 101.6 80.4 120.6
160 43.0 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 25.20 ng
RT: 16.133 min Scan# 2201
Delta R.T. 0.017 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12

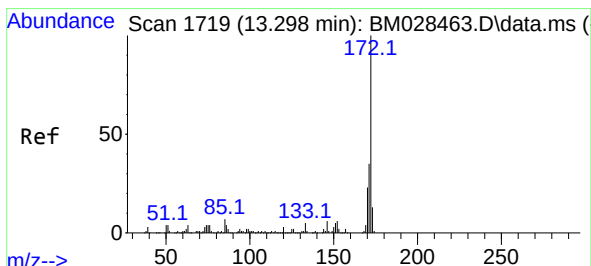
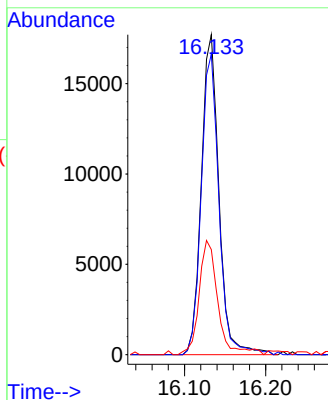
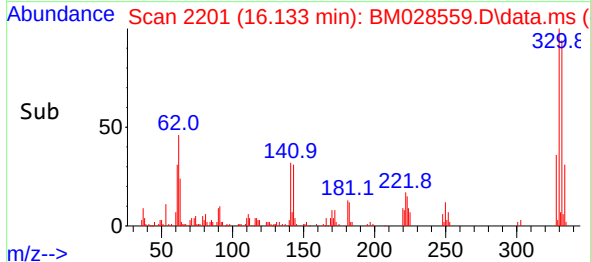
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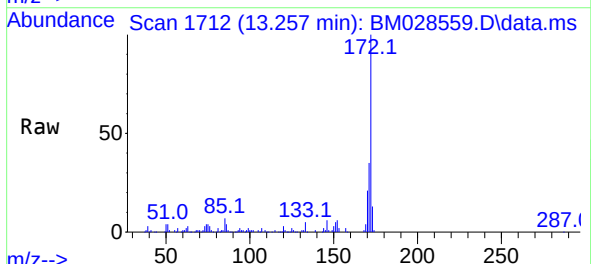
Tgt Ion:330 Resp: 26633
Ion Ratio Lower Upper
330 100
332 94.8 77.8 116.8
141 38.0 28.4 42.6

Manual Integrations
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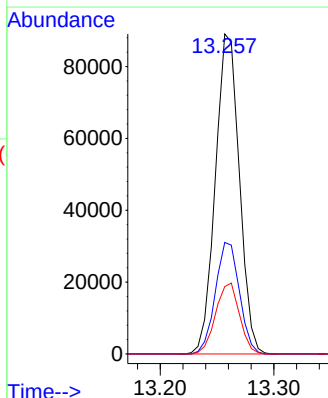
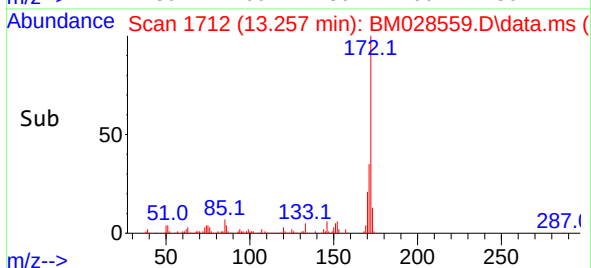
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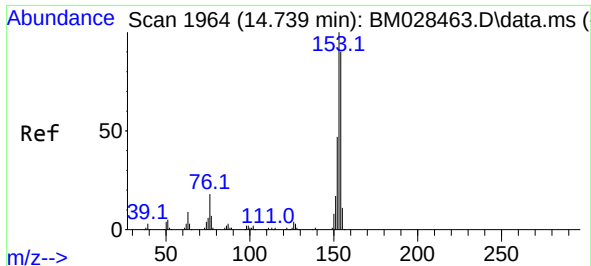


#45
2-Fluorobiphenyl
Concen: 20.57 ng
RT: 13.257 min Scan# 1712
Delta R.T. -0.000 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12

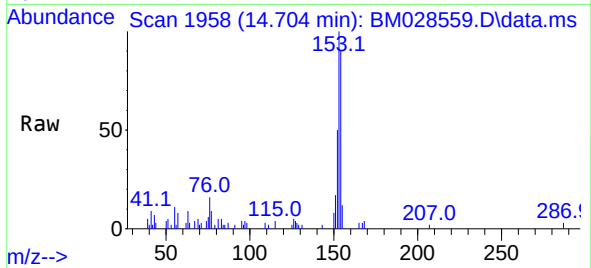


Tgt Ion:172 Resp: 130819
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.8
170 21.1 18.6 27.8

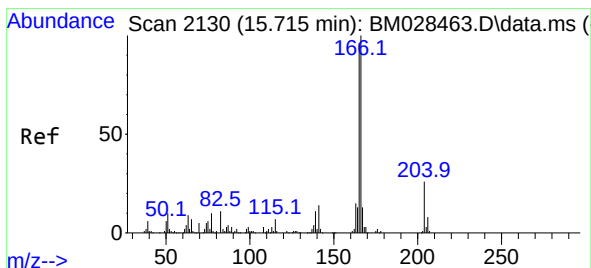
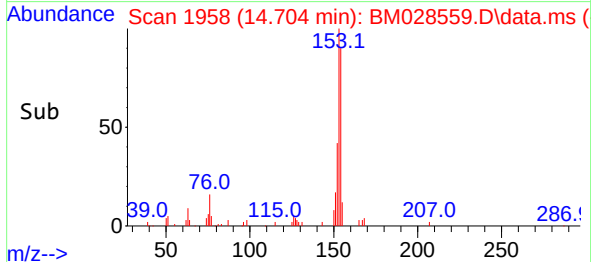
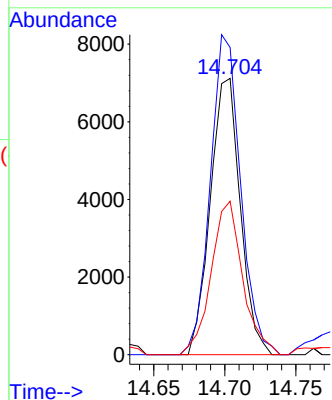




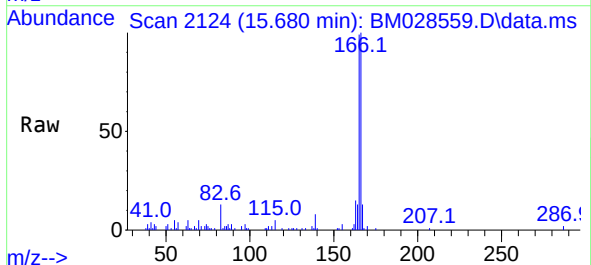
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Acenaphthene
Concen: 2.04 ng
RT: 14.704 min Scan# 1958
Delta R.T. 0.005 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12



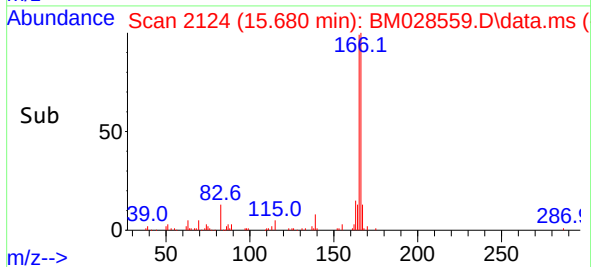
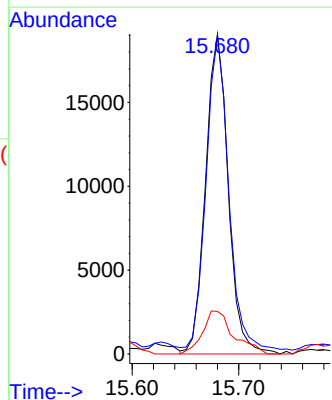
Tgt Ion:154 Resp: 10452
Ion Ratio Lower Upper
154 100
153 111.2 88.3 132.5
152 55.5 41.4 62.2



#58
Fluorene
Concen: 4.37 ng
RT: 15.680 min Scan# 2124
Delta R.T. 0.005 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12



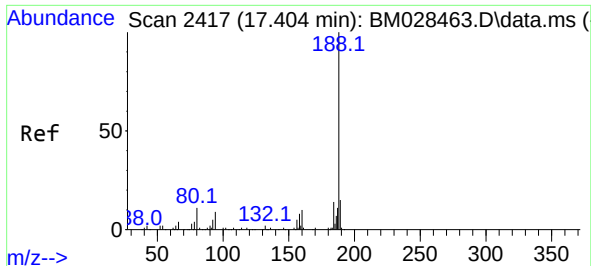
Tgt Ion:166 Resp: 28220
Ion Ratio Lower Upper
166 100
165 99.5 76.2 114.2
167 13.3 10.7 16.1



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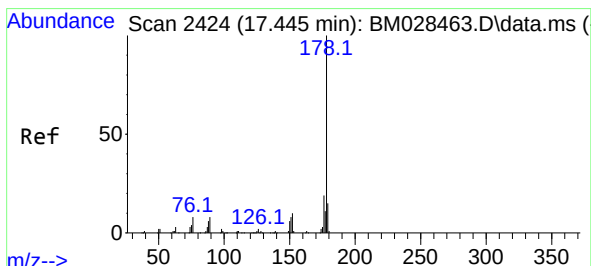
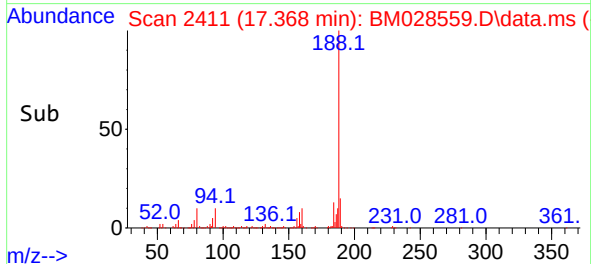
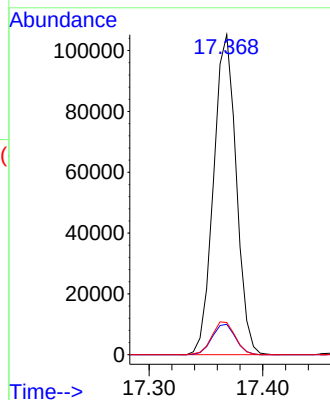
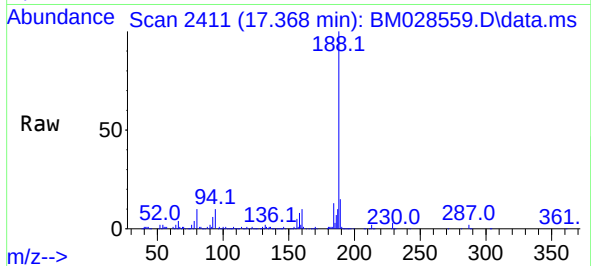
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.368 min Scan# 2411
Delta R.T. 0.005 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12

Tgt Ion:188 Resp: 146071
Ion Ratio Lower Upper
188 100
94 9.5 6.2 9.4#
80 10.1 7.5 11.3

Instrument :
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ClientSampleId :
EO-02-012521

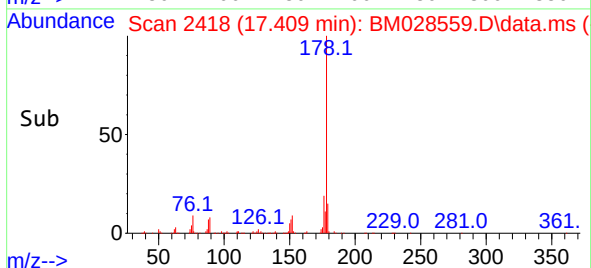
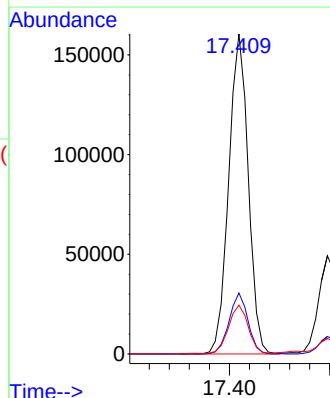
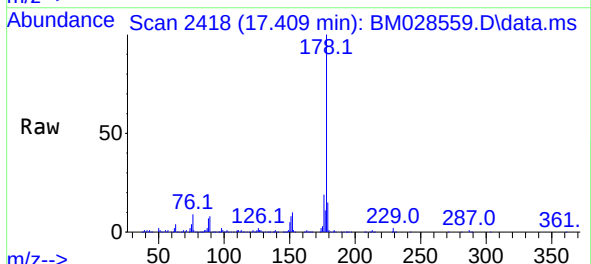
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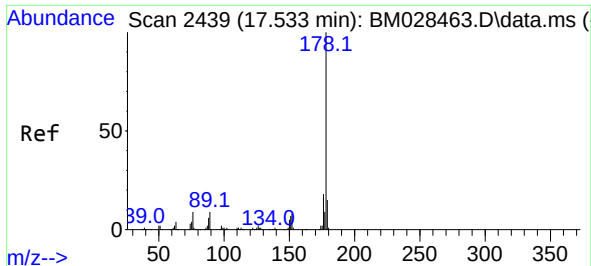
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#71
Phenanthrene
Concen: 24.19 ng
RT: 17.409 min Scan# 2418
Delta R.T. 0.005 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12

Tgt Ion:178 Resp: 217270
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.6
179 15.3 12.2 18.4





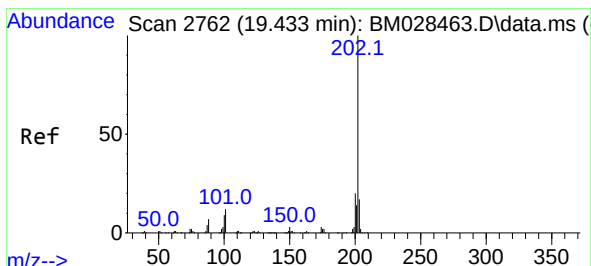
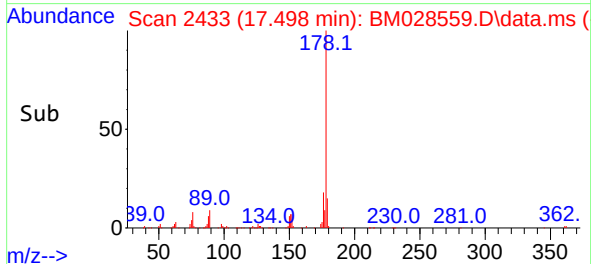
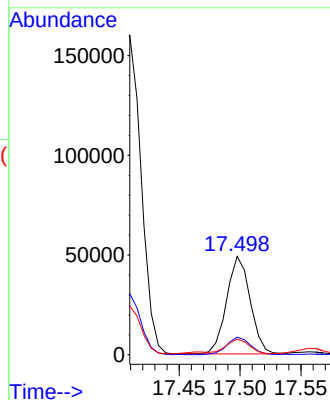
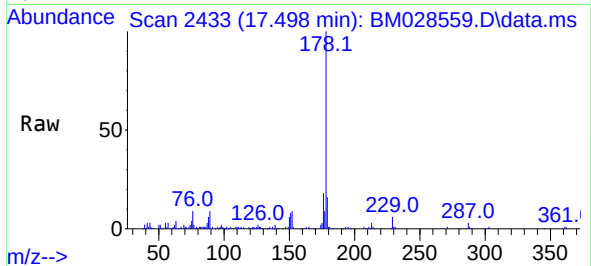
#72
 Anthracene
 Concen: 7.61 ng
 RT: 17.498 min Scan# 2433
 Delta R.T. -0.000 min
 Lab File: BM028559.D
 Acq: 27 Jan 2021 02:12

Tgt Ion:	178	Resp:	66021
Ion Ratio	Lower	Upper	
178	100		
176	17.7	15.0	22.4
179	15.9	12.5	18.7

Instrument :
 BNA_M
 ClientSampleId :
 EO-02-012521

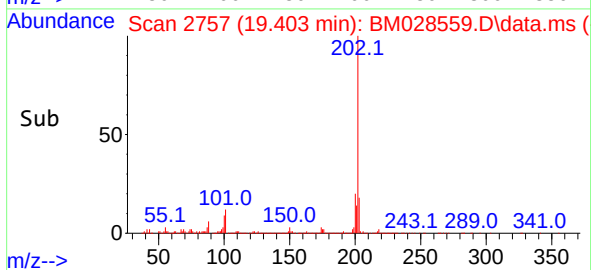
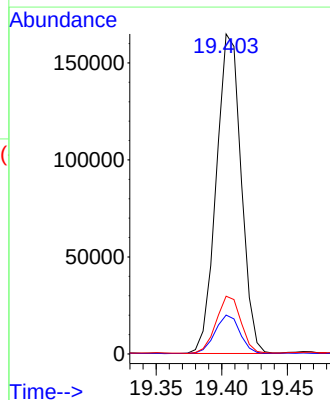
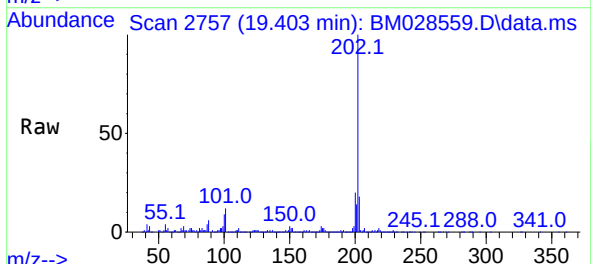
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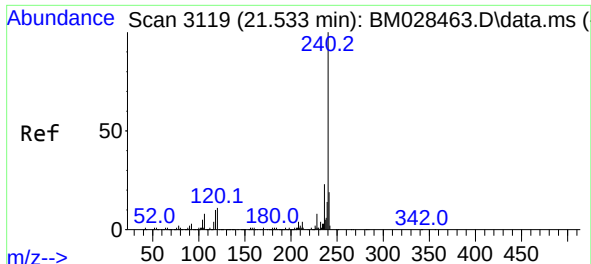
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#75
 Fluoranthene
 Concen: 21.50 ng
 RT: 19.403 min Scan# 2757
 Delta R.T. -0.000 min
 Lab File: BM028559.D
 Acq: 27 Jan 2021 02:12

Tgt Ion:	202	Resp:	216864
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	28.5
203	18.0	0.0	37.3





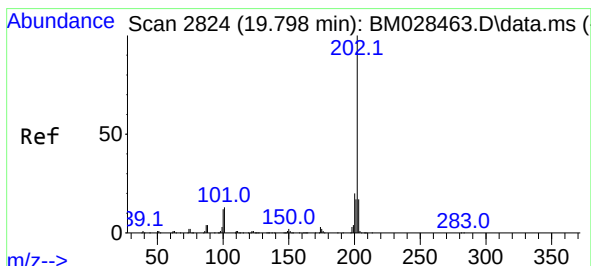
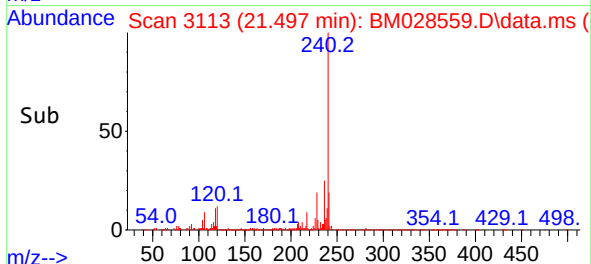
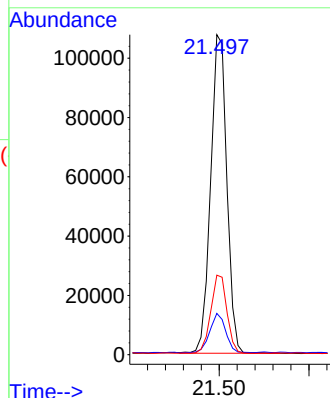
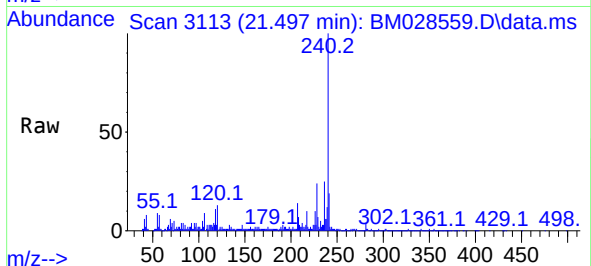
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.497 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12

Tgt Ion:240 Resp: 134460
Ion Ratio Lower Upper
240 100
120 12.9 6.4 9.6#
236 24.9 20.1 30.1

Instrument :
BNA_M
ClientSampleId :
EO-02-012521

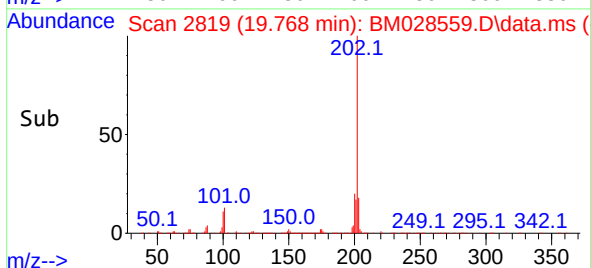
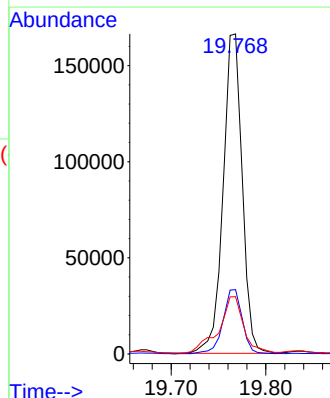
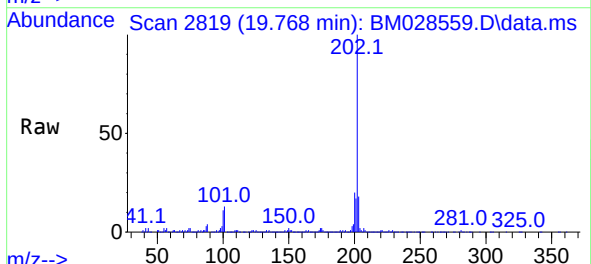
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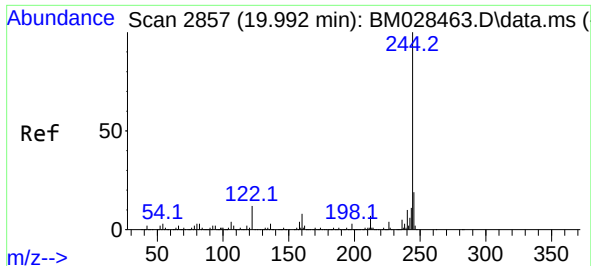
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#78
Pyrene
Concen: 24.20 ng
RT: 19.768 min Scan# 2819
Delta R.T. 0.005 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12

Tgt Ion:202 Resp: 233291
Ion Ratio Lower Upper
202 100
200 20.1 16.6 24.8
203 17.9 13.8 20.6





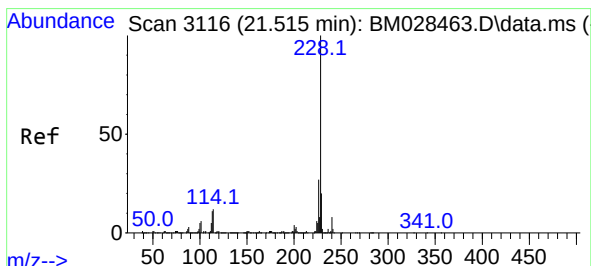
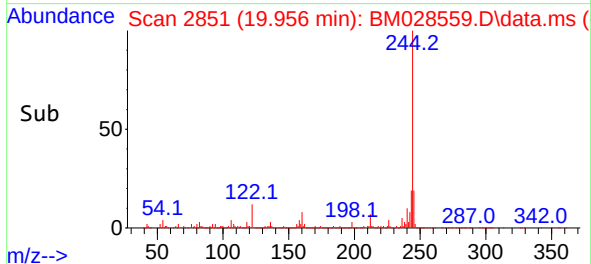
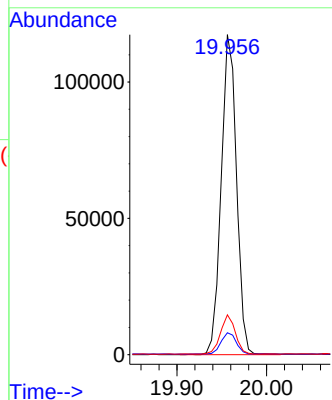
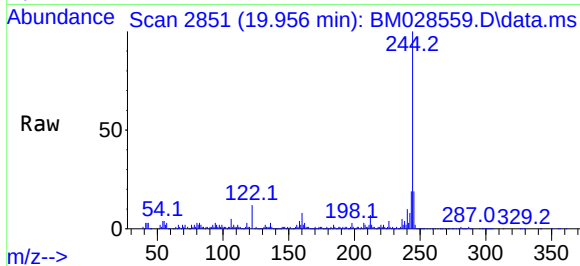
#79
Terphenyl-d14
Concen: 18.68 ng
RT: 19.956 min Scan# 2851
Delta R.T. -0.000 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12

Tgt Ion:244 Resp: 139078
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.8
122 12.5 6.5 9.7#

Instrument :
BNA_M
ClientSampleId :
EO-02-012521

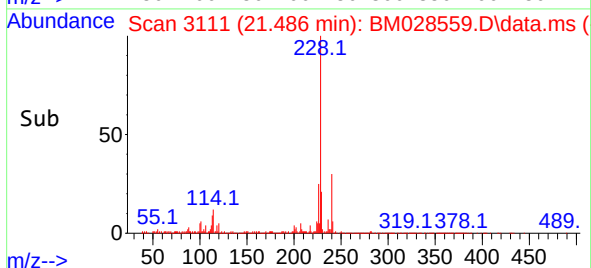
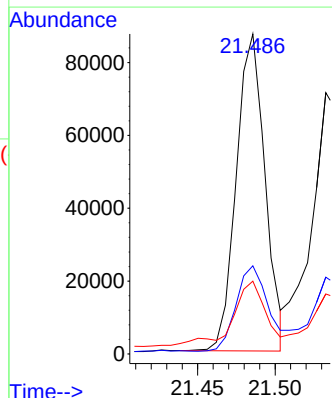
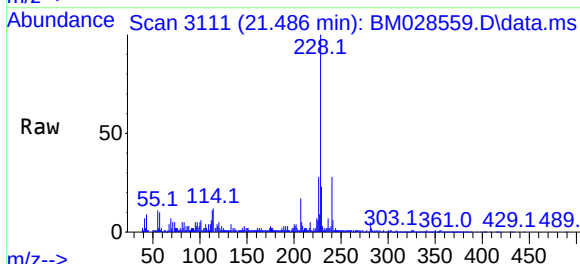
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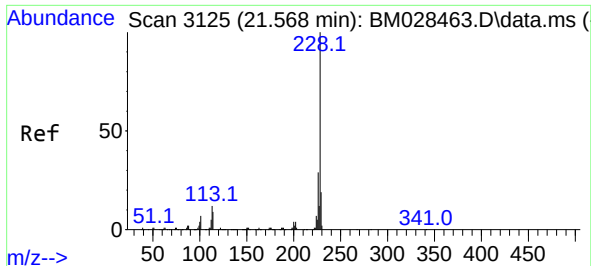
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#81
Benzo(a)anthracene
Concen: 12.08 ng
RT: 21.486 min Scan# 3111
Delta R.T. 0.005 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12

Tgt Ion:228 Resp: 112169
Ion Ratio Lower Upper
228 100
226 27.6 21.1 31.7
229 22.8 15.7 23.5





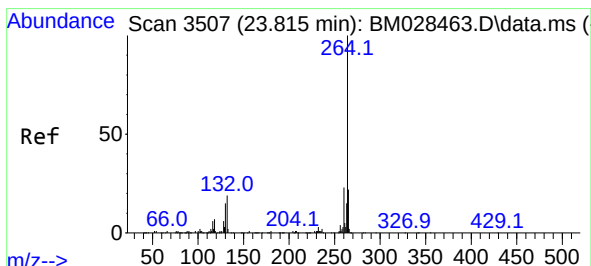
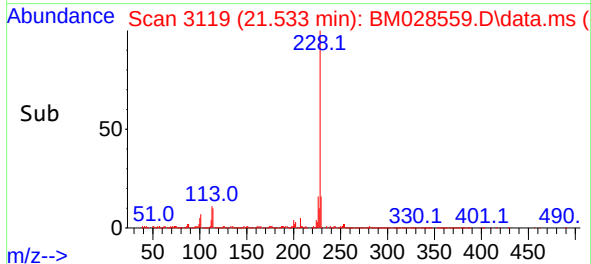
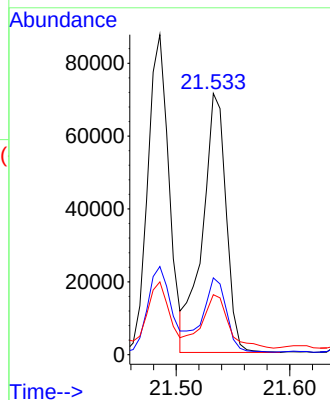
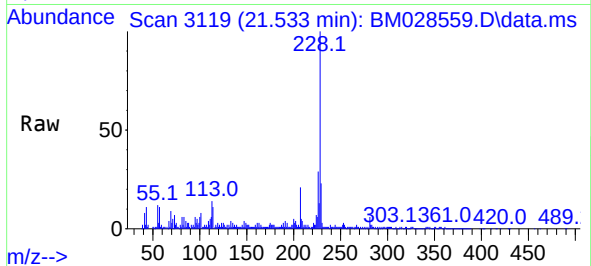
#83
Chrysene
Concen: 11.48 ng m
RT: 21.533 min Scan# 3119
Delta R.T. -0.000 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12

Tgt Ion:228 Resp: 102876
Ion Ratio Lower Upper
228 100
226 29.4 23.4 35.0
229 23.0 15.7 23.5

Instrument :
BNA_M
ClientSampleId :
EO-02-012521

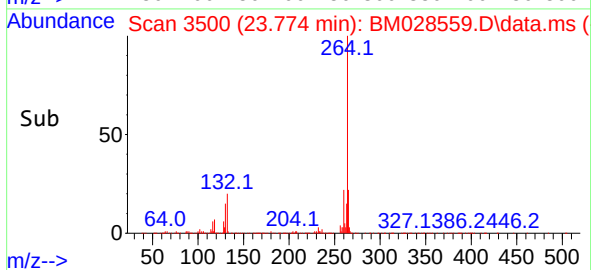
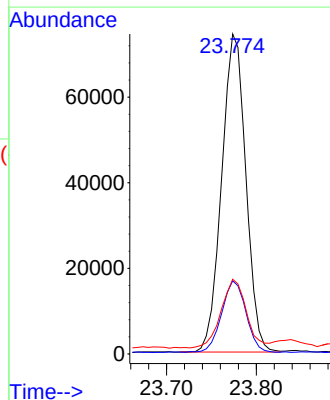
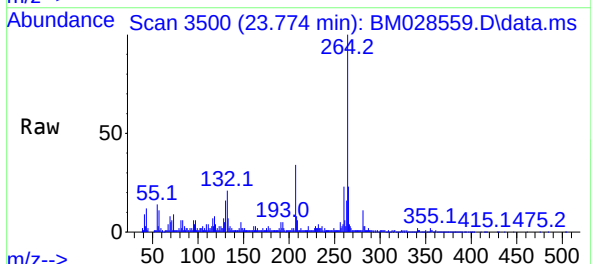
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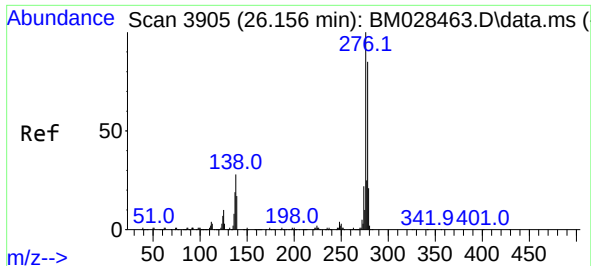
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#86
Perylene-d12
Concen: 20.00 ng
RT: 23.774 min Scan# 3500
Delta R.T. 0.011 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12

Tgt Ion:264 Resp: 138898
Ion Ratio Lower Upper
264 100
260 22.9 19.0 28.4
265 23.4 17.7 26.5





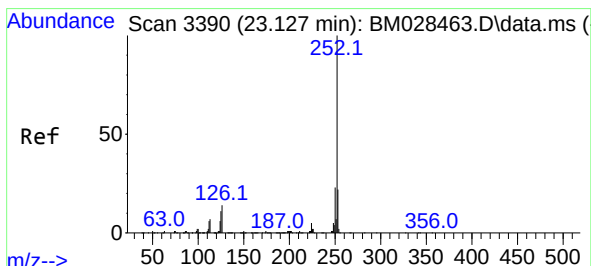
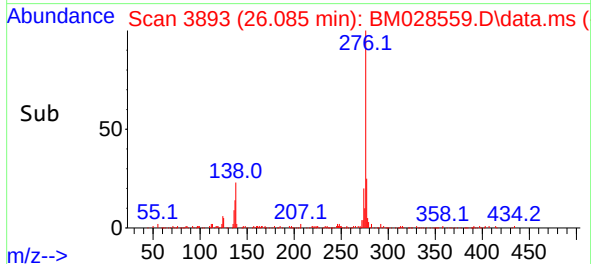
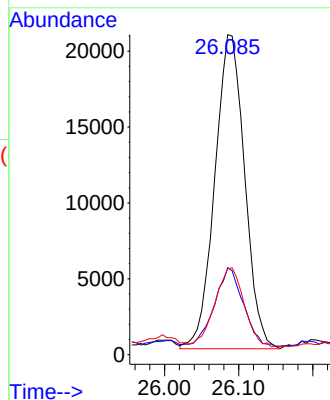
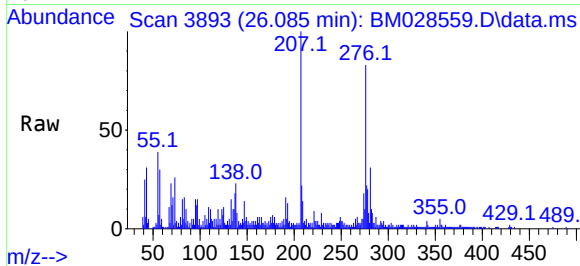
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.60 ng m
RT: 26.085 min Scan# 3893
Delta R.T. 0.005 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12

Tgt Ion: 276 Resp: 57937
Ion Ratio Lower Upper
276 100
138 2.3 14.2 21.4#
277 2.7 19.8 29.8#

Instrument :
BNA_M
ClientSampled :
EO-02-012521

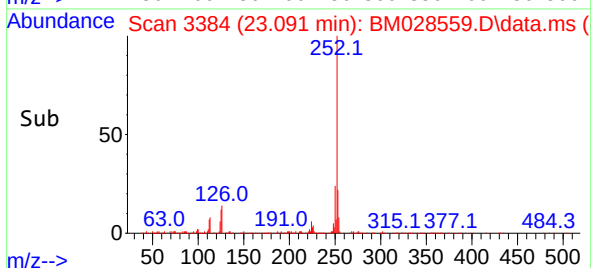
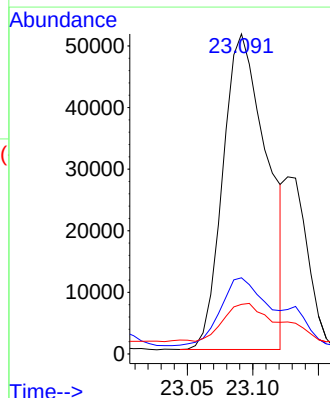
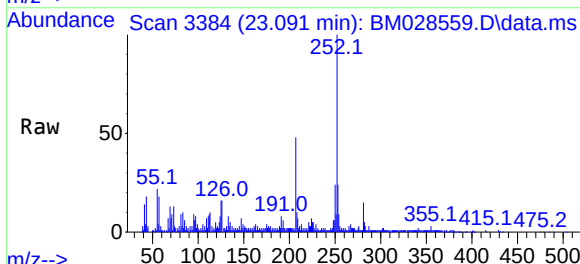
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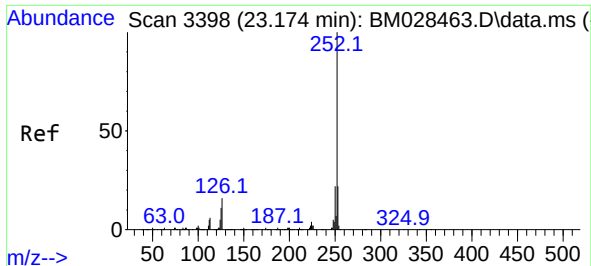
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#88
Benzo(b)fluoranthene
Concen: 12.74 ng m
RT: 23.091 min Scan# 3384
Delta R.T. 0.005 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12

Tgt Ion: 252 Resp: 120159
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.0
125 15.5 5.7 8.5#





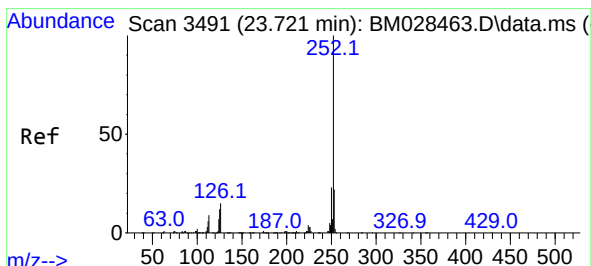
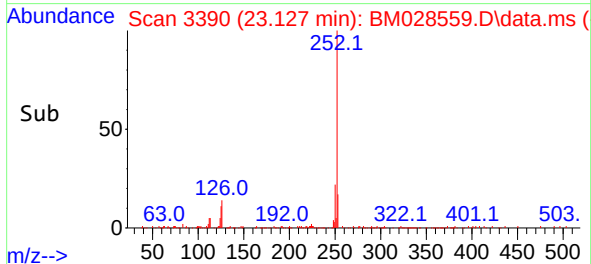
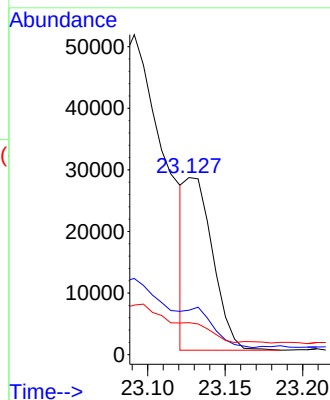
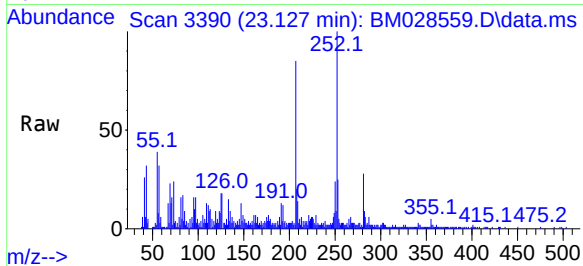
#89
Benzo(k)fluoranthene
Concen: 3.73 ng m
RT: 23.127 min Scan# 3390
Delta R.T. -0.000 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12

Tgt Ion:252 Resp: 34310
Ion Ratio Lower Upper
252 100
253 25.1 17.4 26.0
125 18.0 5.6 8.4#

Instrument :
BNA_M
ClientSampleId :
EO-02-012521

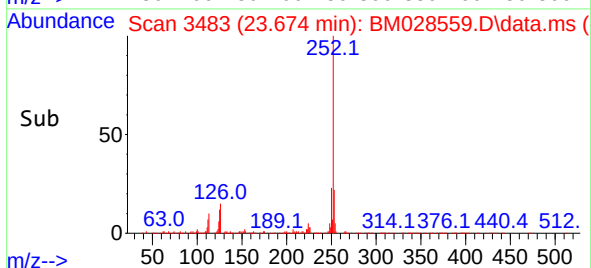
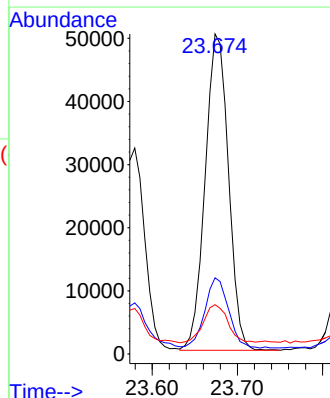
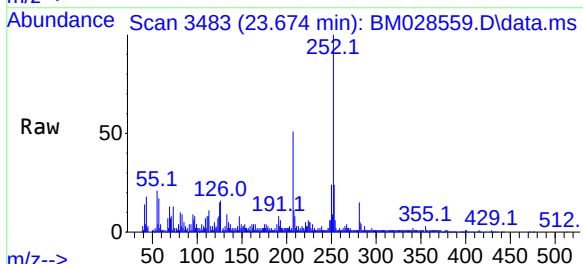
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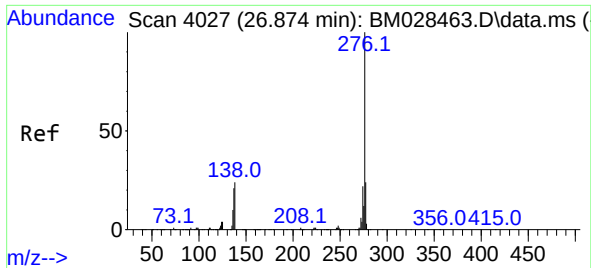
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#90
Benzo(a)pyrene
Concen: 10.89 ng
RT: 23.674 min Scan# 3483
Delta R.T. 0.005 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12

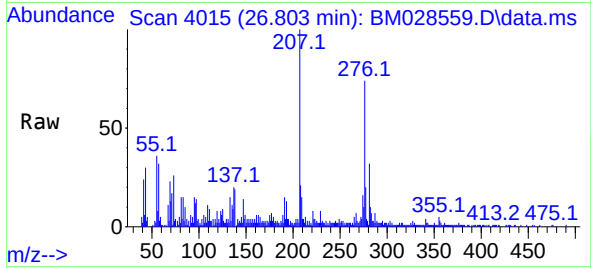
Tgt Ion:252 Resp: 95147
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.2
125 15.4 6.6 9.8#





#92
Benzo(g,h,i)perylene
Concen: 6.80 ng
RT: 26.803 min Scan# 4015
Delta R.T. 0.011 min
Lab File: BM028559.D
Acq: 27 Jan 2021 02:12

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion: 276 Resp: 57282
Ion Ratio Lower Upper
276 100
277 26.8 18.6 28.0
138 26.4 12.2 18.2#

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