

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
 Data File : BM032412.D
 Acq On : 09 Oct 2021 02:36
 Operator : CG/JU
 Sample : M4129-01 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OK-02-100721

Manual Integrations
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mohammad
 10/11/2021 2:13:45 PM

Quant Time: Oct 09 03:31:41 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 08 17:11:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.613	152	351974	20.00	ng	0.00
21) Naphthalene-d8	10.401	136	1443135	20.00	ng	# 0.00
39) Acenaphthene-d10	14.260	164	848838	20.00	ng	0.00
64) Phenanthrene-d10	16.989	188	1497227	20.00	ng	# 0.00
76) Chrysene-d12	21.153	240	990182	20.00	ng	# 0.00
86) Perylene-d12	23.300	264	1054212	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.190	112	237247	11.36	ng	0.00
7) Phenol-d6	6.801	99	312654	10.94	ng	-0.01
23) Nitrobenzene-d5	8.766	82	176955	6.82	ng	0.00
42) 2,4,6-Tribromophenol	15.748	330	86367	9.09	ng	0.00
45) 2-Fluorobiphenyl	12.877	172	418311	7.33	ng	0.00
79) Terphenyl-d14	19.600	244	420406	8.94	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.448	128	199764	2.70	ng	99
52) Acenaphthene	14.324	154	349210	7.10	ng	98
55) Dibenzofuran	14.660	168	210987	2.82	ng	92
58) Fluorene	15.307	166	355337	6.24	ng	100
71) Phenanthrene	17.036	178	3651555	46.47	ng	99
72) Anthracene	17.118	178	910307	11.85	ng	100
73) Carbazole	17.383	167	459618	6.03	ng	98
75) Fluoranthene	19.047	202	4882748	56.03	ng	97
78) Pyrene	19.406	202	4176128	62.20	ng	98
81) Benzo(a)anthracene	21.141	228	2003393	32.37	ng	97
83) Chrysene	21.189	228	1892335	31.60	ng	97
87) Indeno(1,2,3-cd)pyrene	25.424	276	1096170	16.87	ng	99
88) Benzo(b)fluoranthene	22.665	252	2249565m	35.08	ng	
89) Benzo(k)fluoranthene	22.700	252	898981m	14.35	ng	
90) Benzo(a)pyrene	23.206	252	1753875	33.73	ng	96
91) Dibenzo(a,h)anthracene	25.418	278	283687	5.18	ng	# 82
92) Benzo(g,h,i)perylene	26.082	276	1065781	19.68	ng	# 94

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

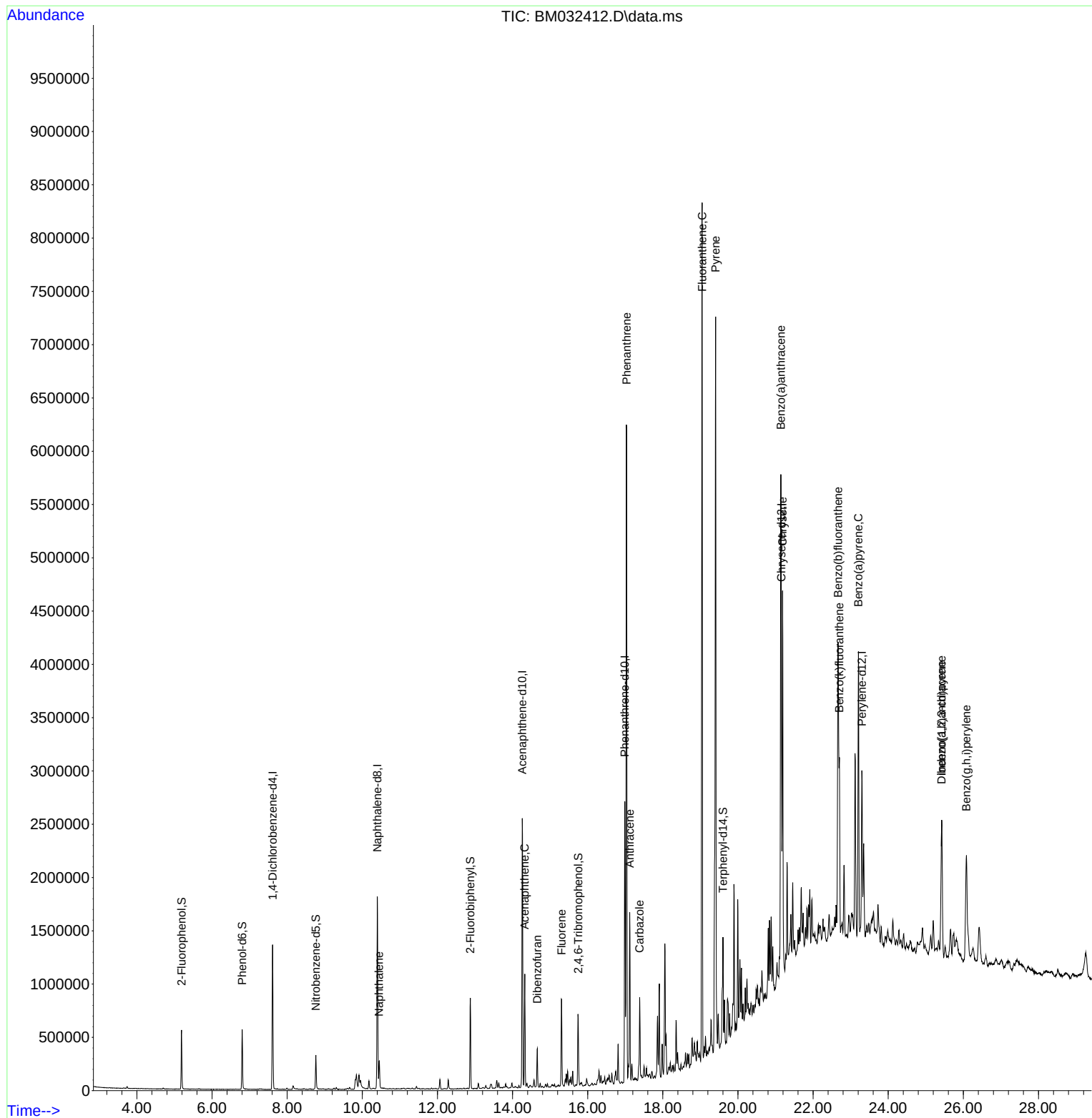
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
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Acq On : 09 Oct 2021 02:36
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Misc :
ALS Vial : 20 Sample Multiplier: 1

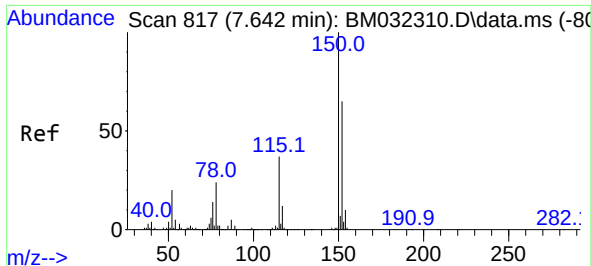
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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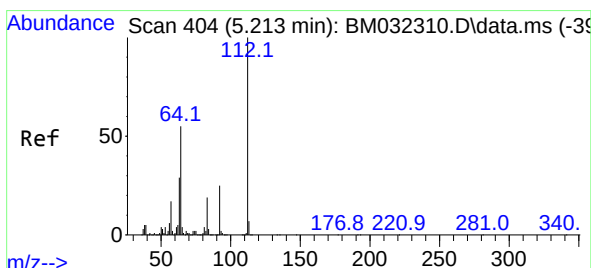
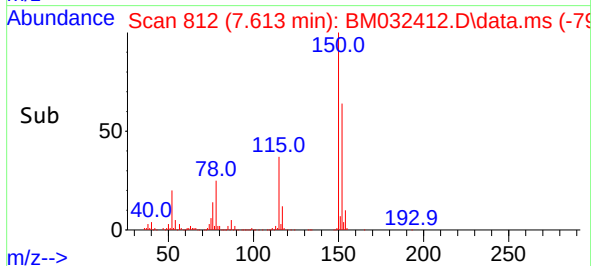
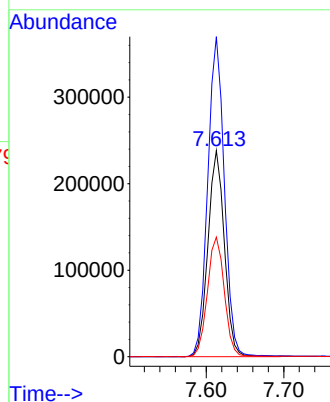
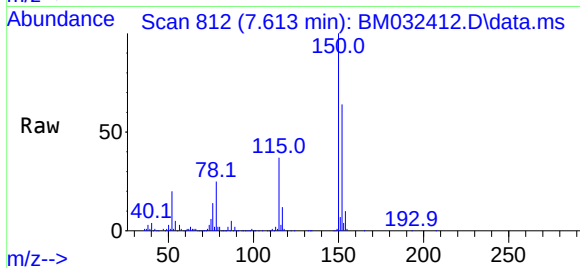
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1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.613 min Scan# 812
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Tgt Ion:152 Resp: 351974
Ion Ratio Lower Upper
152 100
150 155.3 122.4 183.6
115 58.0 53.8 80.8

Instrument :
BNA_M
ClientSampleId :
OK-02-100721

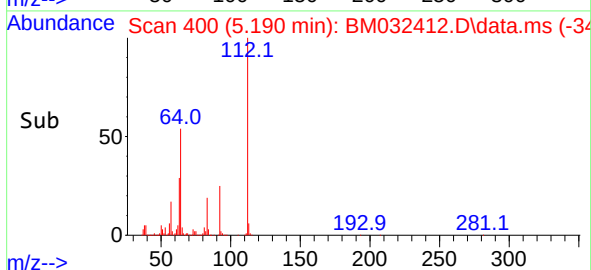
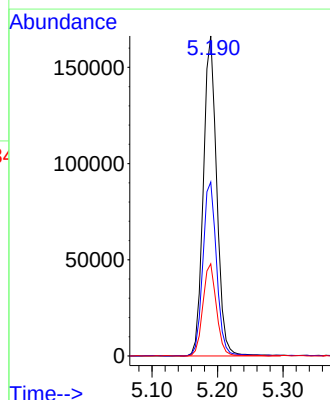
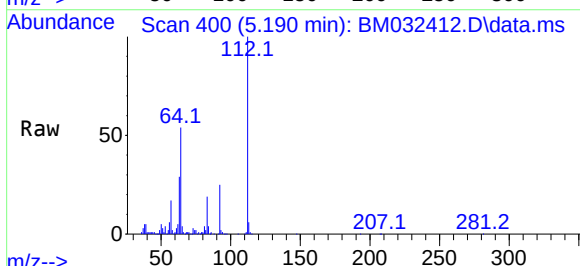
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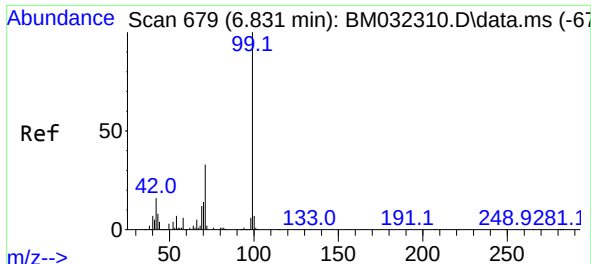
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#5
2-Fluorophenol
Concen: 11.36 ng
RT: 5.190 min Scan# 400
Delta R.T. -0.000 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

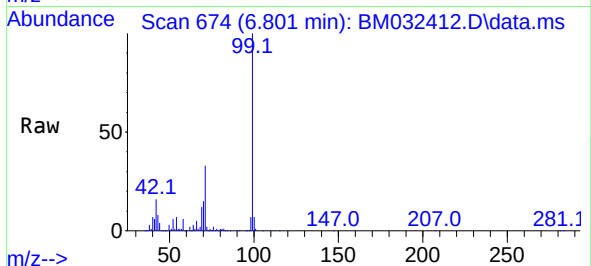
Tgt Ion:112 Resp: 237247
Ion Ratio Lower Upper
112 100
64 54.3 53.7 80.5
63 28.8 33.9 50.9#





#7
Phenol-d6
Concen: 10.94 ng
RT: 6.801 min Scan# 674
Delta R.T. -0.012 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

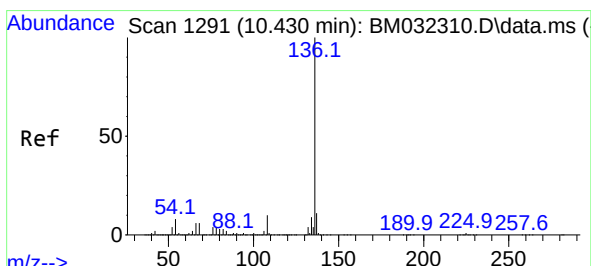
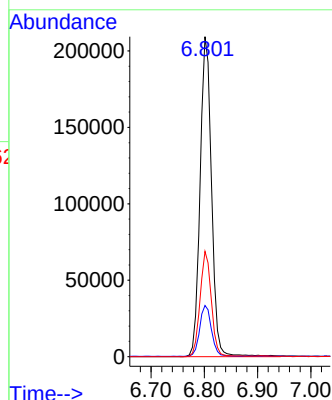
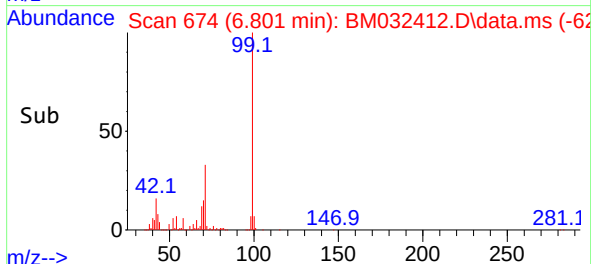
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BNA_M
ClientSampleId :
OK-02-100721



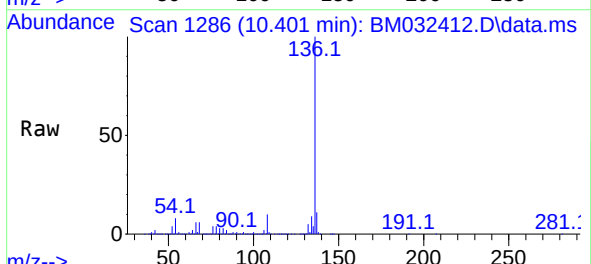
Tgt Ion: 99 Resp: 312654
Ion Ratio Lower Upper
99 100
42 16.0 23.0 34.6#
71 32.9 37.8 56.8#

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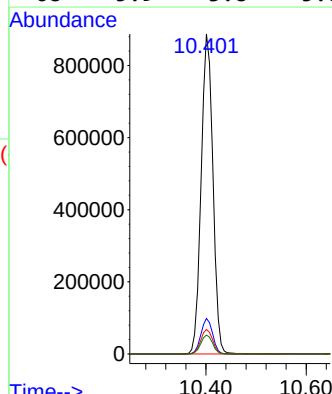
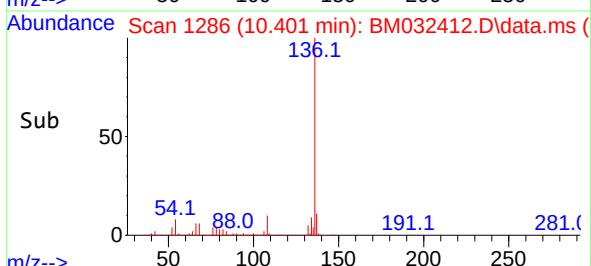
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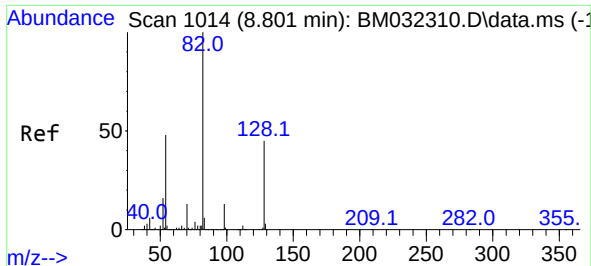


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.401 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36



Tgt Ion: 136 Resp: 1443135
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 7.6 7.4 11.0
68 5.9 3.8 5.8#





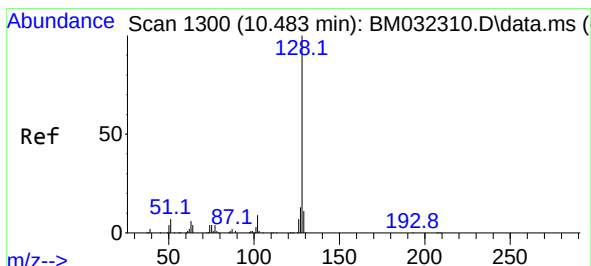
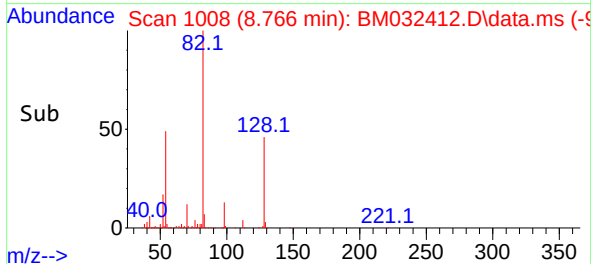
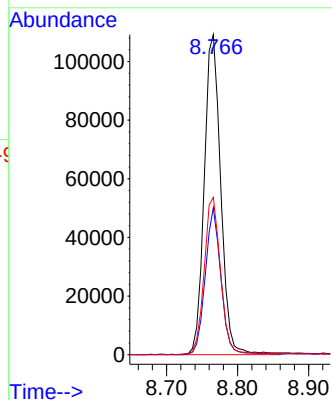
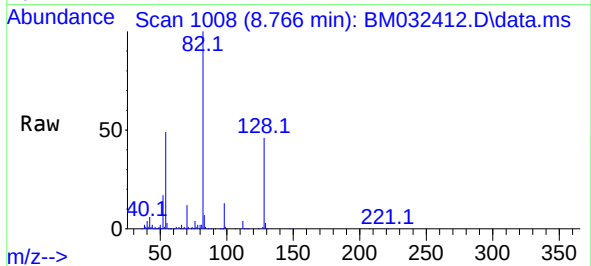
#23
Nitrobenzene-d5
Concen: 6.82 ng
RT: 8.766 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Tgt Ion: 82 Resp: 176955
Ion Ratio Lower Upper
82 100
128 45.9 29.0 43.6#
54 49.1 45.8 68.8

Instrument :
BNA_M
ClientSampleId :
OK-02-100721

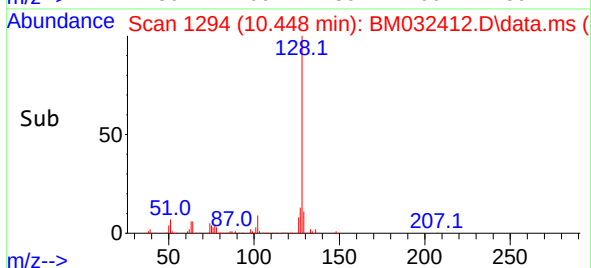
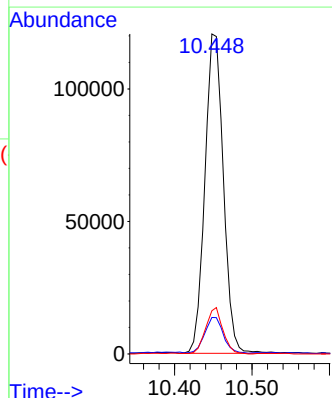
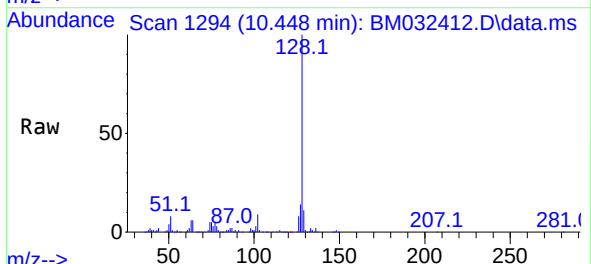
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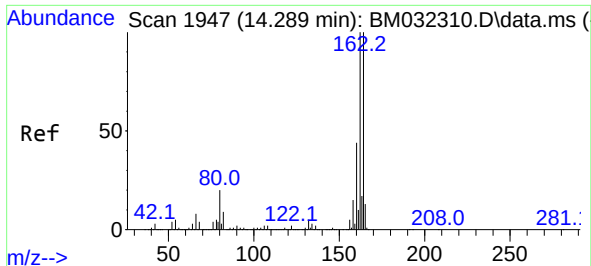
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#31
Naphthalene
Concen: 2.70 ng
RT: 10.448 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

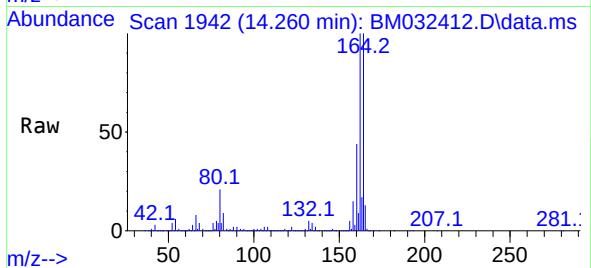
Tgt Ion: 128 Resp: 199764
Ion Ratio Lower Upper
128 100
129 11.4 8.6 13.0
127 13.5 10.4 15.6





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.260 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

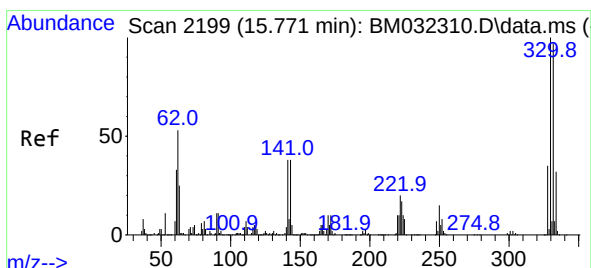
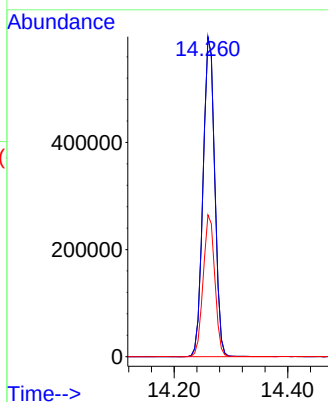
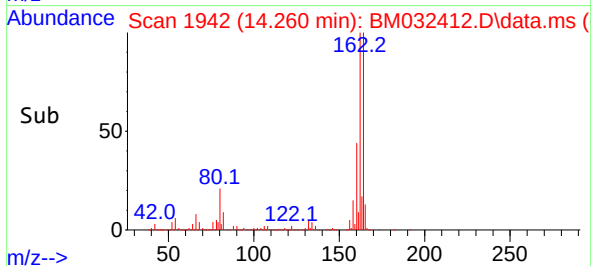
Instrument :
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ClientSampleId :
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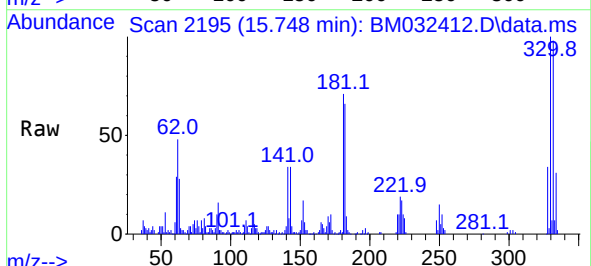
Tgt Ion:164 Resp: 848838
Ion Ratio Lower Upper
164 100
162 100.4 80.6 121.0
160 44.5 35.1 52.7

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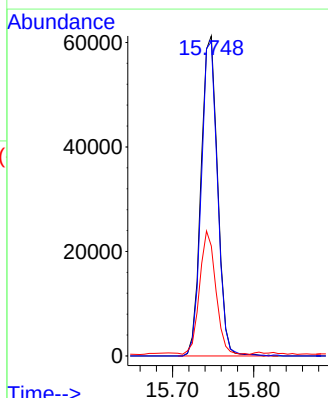
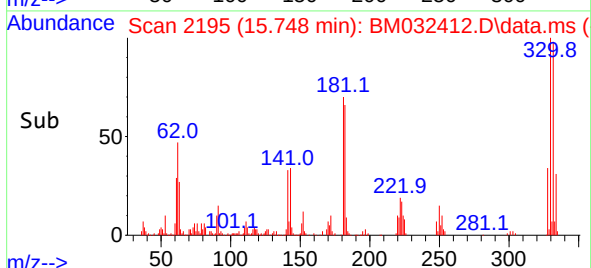
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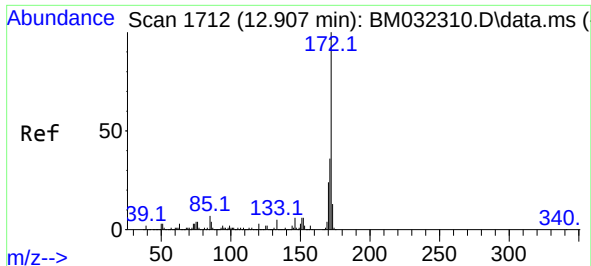


#42
2,4,6-Tribromophenol
Concen: 9.09 ng
RT: 15.748 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36



Tgt Ion:330 Resp: 86367
Ion Ratio Lower Upper
330 100
332 96.6 75.7 113.5
141 37.9 50.7 76.1#





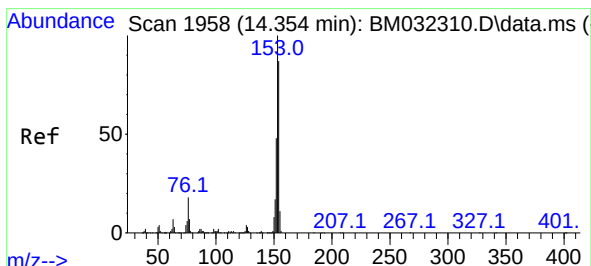
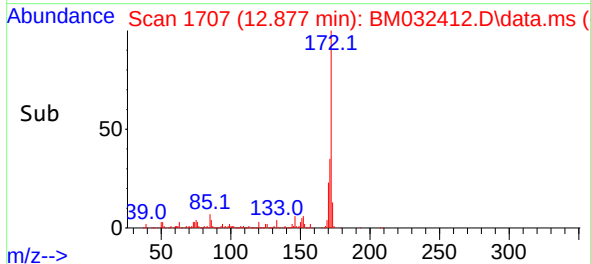
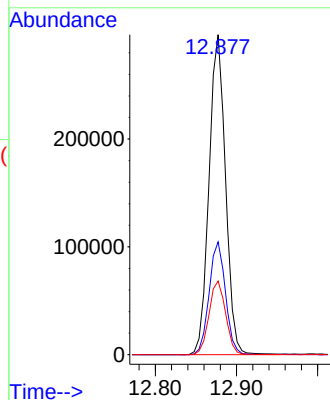
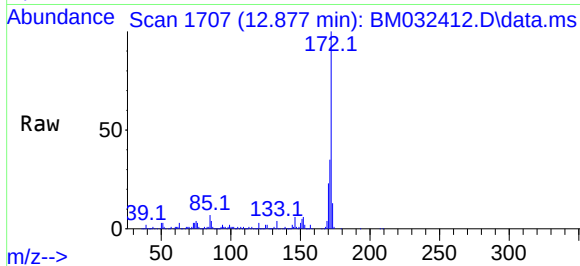
#45
2-Fluorobiphenyl
Concen: 7.33 ng
RT: 12.877 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Tgt Ion:	172	Resp:	418311
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.1	42.1
170	23.0	18.6	27.8

Instrument :
BNA_M
ClientSampleId :
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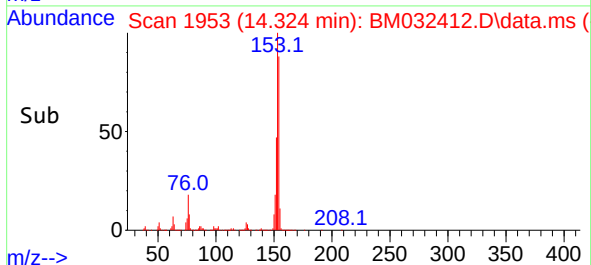
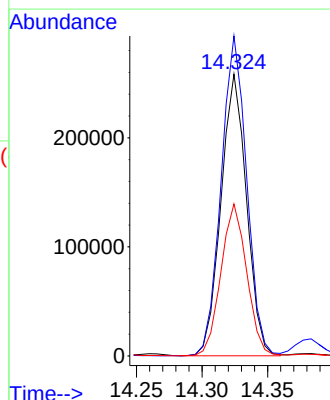
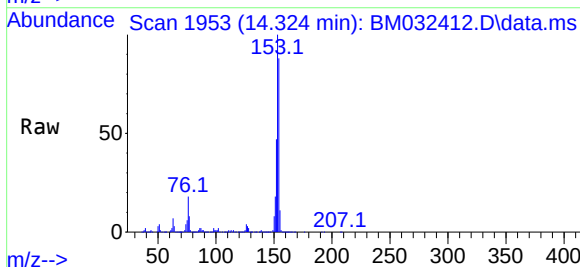
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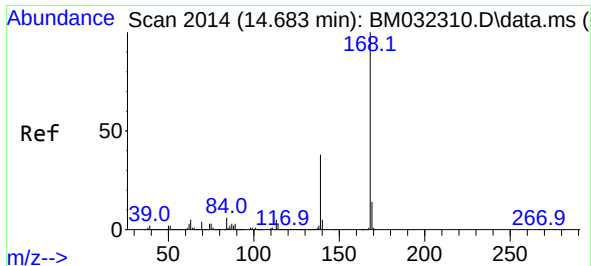
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#52
Acenaphthene
Concen: 7.10 ng
RT: 14.324 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Tgt Ion:	154	Resp:	349210
Ion	Ratio	Lower	Upper
154	100		
153	113.5	92.4	138.6
152	53.9	43.7	65.5





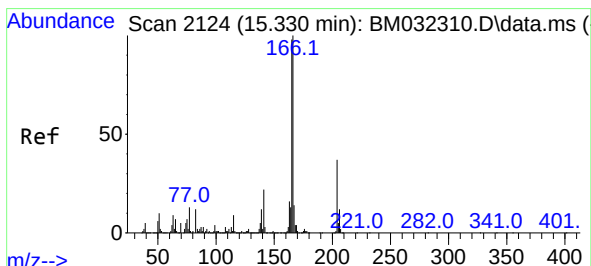
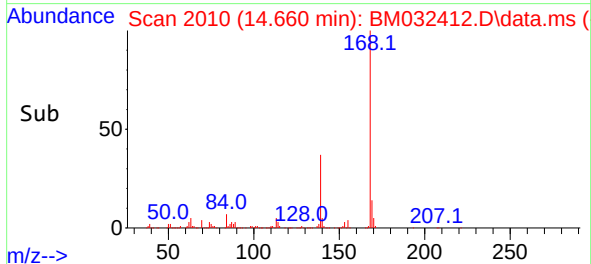
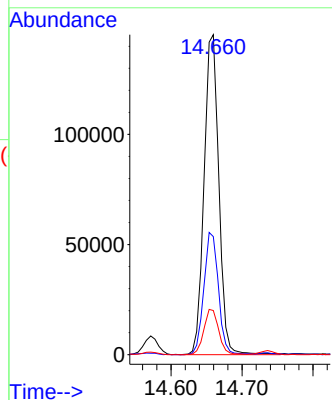
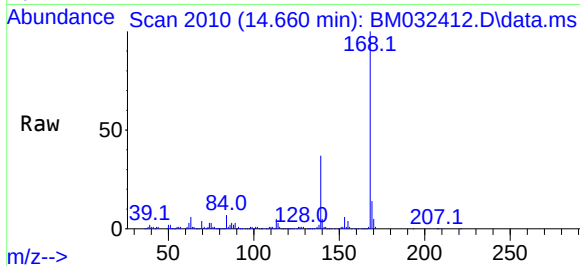
#55
Dibenzenofuran
Concen: 2.82 ng
RT: 14.660 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Tgt Ion:168 Resp: 210987
Ion Ratio Lower Upper
168 100
139 36.9 35.0 52.4
169 13.8 10.8 16.2

Instrument :
BNA_M
ClientSampleId :
OK-02-100721

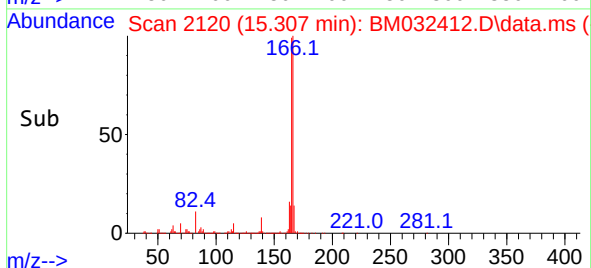
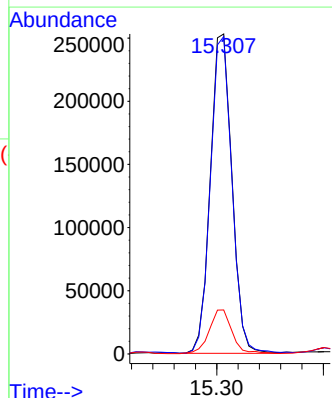
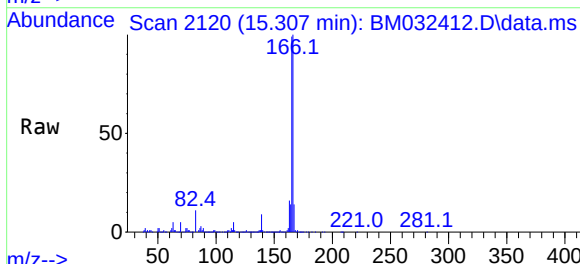
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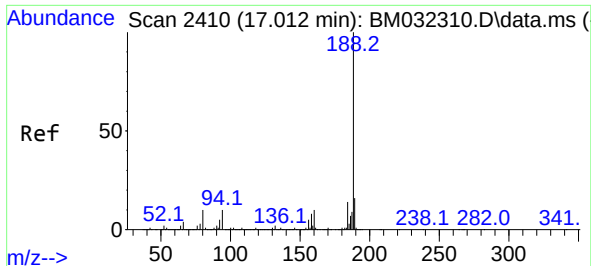
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#58
Fluorene
Concen: 6.24 ng
RT: 15.307 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

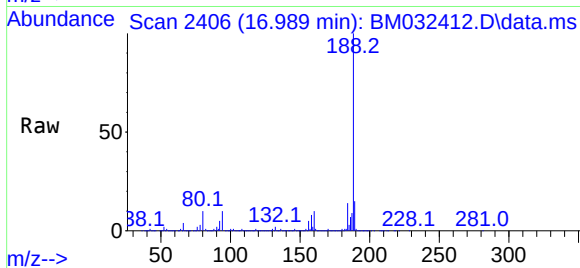
Tgt Ion:166 Resp: 355337
Ion Ratio Lower Upper
166 100
165 99.2 79.3 118.9
167 13.7 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.989 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

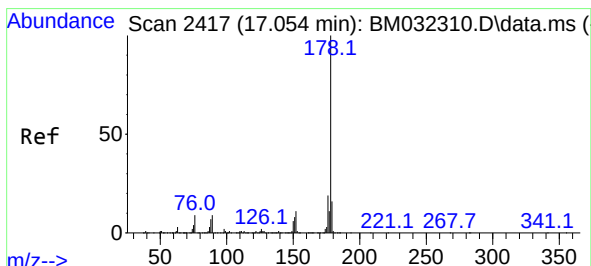
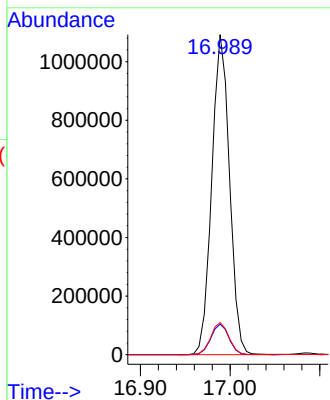
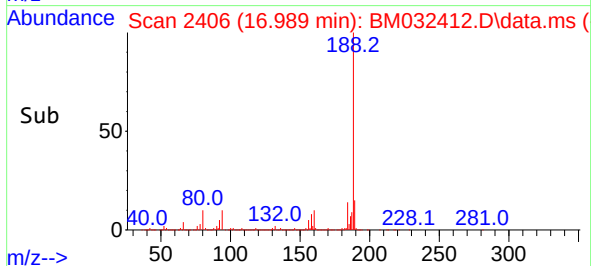
Instrument :
BNA_M
ClientSampleId :
OK-02-100721



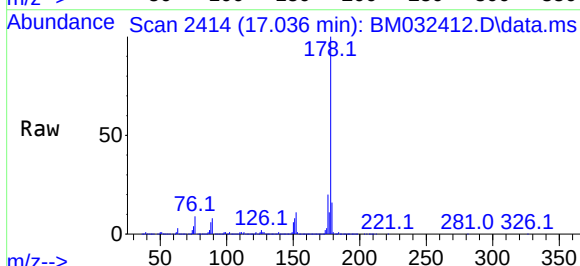
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Ion Ratio Lower Upper
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94 9.6 6.3 9.5#
80 10.1 7.3 10.9

Manual Integrations
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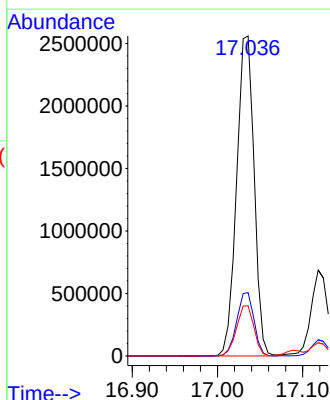
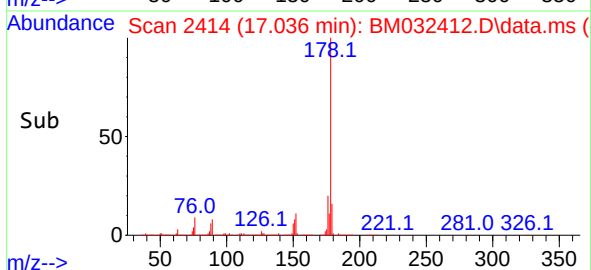
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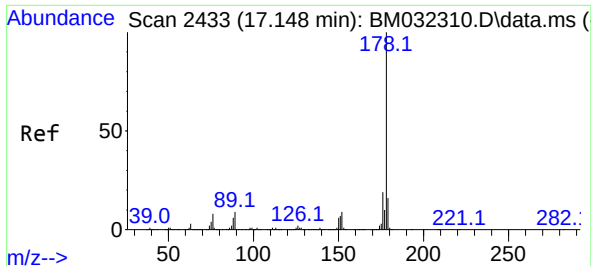


#71
Phenanthrene
Concen: 46.47 ng
RT: 17.036 min Scan# 2414
Delta R.T. -0.000 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36



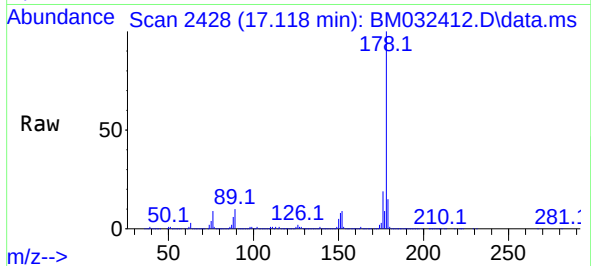
Tgt Ion:178 Resp: 3651555
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 15.7 12.4 18.6





#72
 Anthracene
 Concen: 11.85 ng
 RT: 17.118 min Scan# 2428
 Delta R.T. -0.006 min
 Lab File: BM032412.D
 Acq: 09 Oct 2021 02:36

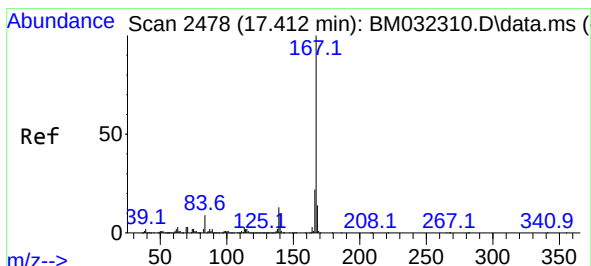
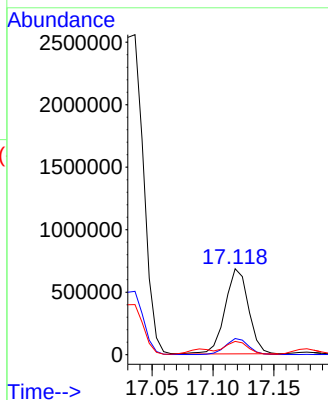
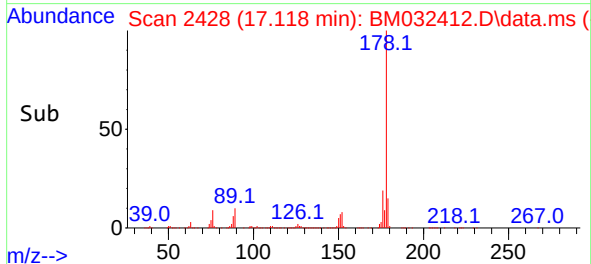
Instrument :
 BNA_M
 ClientSampleId :
 OK-02-100721



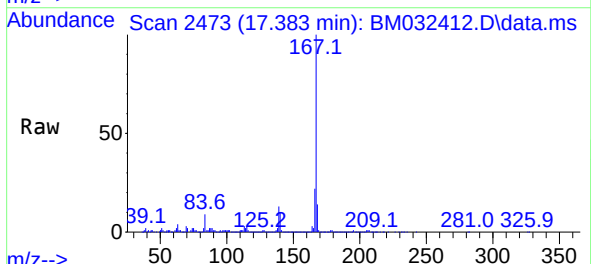
Tgt Ion:178 Resp: 910307
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.8 22.2
 179 15.4 12.3 18.5

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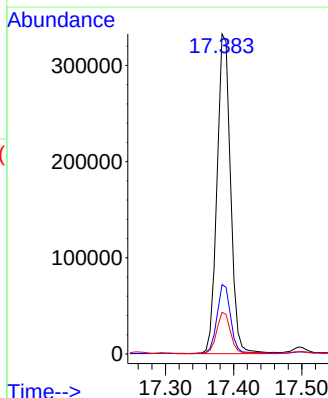
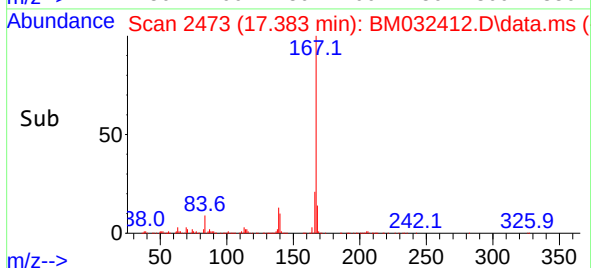
mohammad
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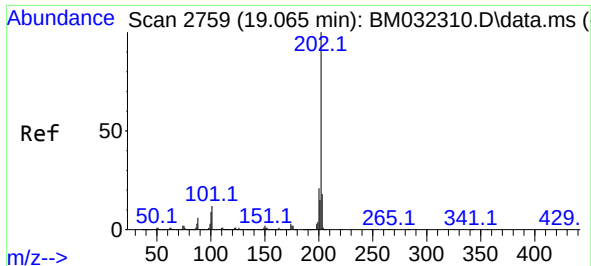


#73
 Carbazole
 Concen: 6.03 ng
 RT: 17.383 min Scan# 2473
 Delta R.T. -0.006 min
 Lab File: BM032412.D
 Acq: 09 Oct 2021 02:36



Tgt Ion:167 Resp: 459618
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.4 26.0
 139 13.0 11.9 17.9





#75
Fluoranthene
Concen: 56.03 ng
RT: 19.047 min Scan# 2756
Delta R.T. 0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

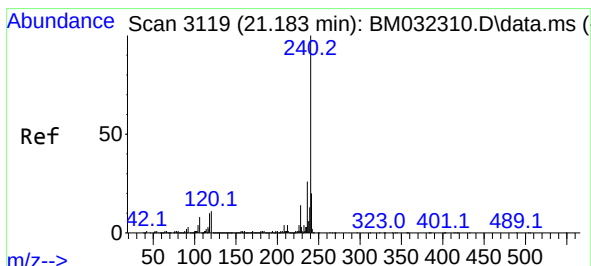
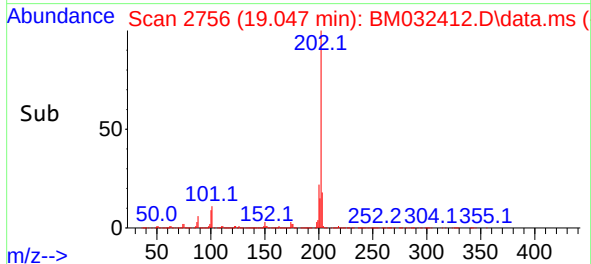
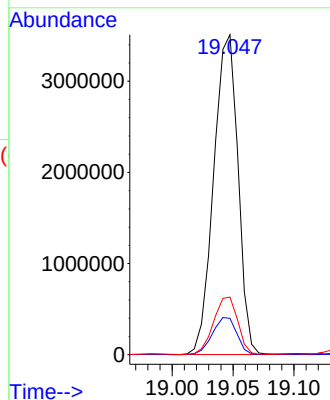
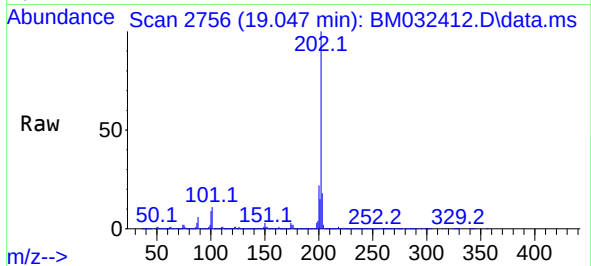
Tgt Ion:202 Resp: 4882748

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	29.9
203	18.0	0.0	36.8

Instrument :
BNA_M
ClientSampleId :
OK-02-100721

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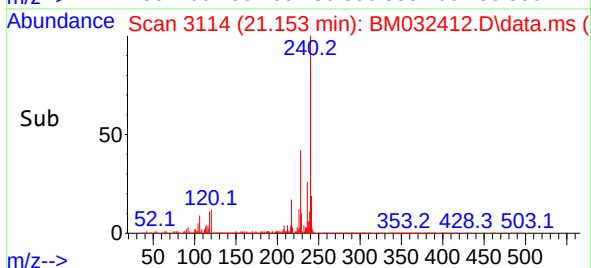
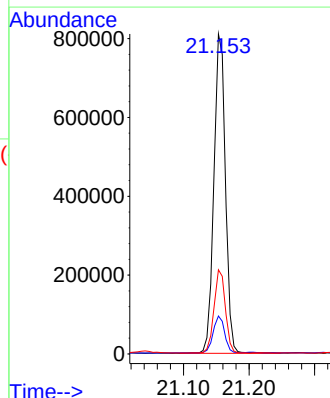
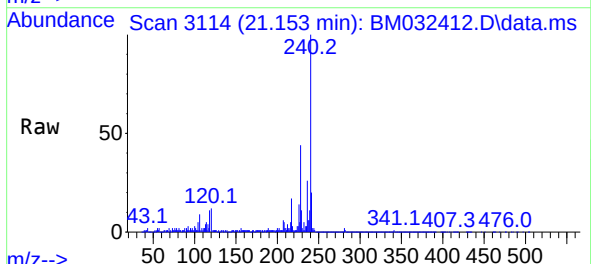
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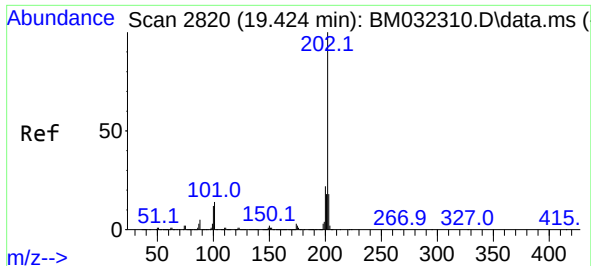


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.153 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Tgt Ion:240 Resp: 990182

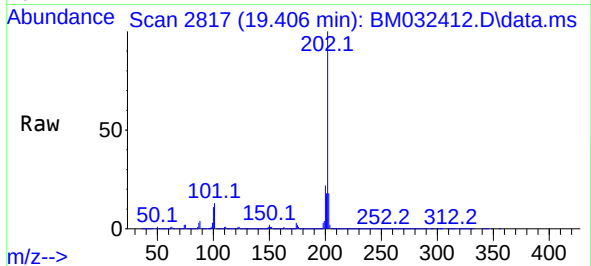
Ion	Ratio	Lower	Upper
240	100		
120	11.8	7.8	11.6#
236	26.3	20.9	31.3





#78
Pyrene
Concen: 62.20 ng
RT: 19.406 min Scan# 2817
Delta R.T. -0.000 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Instrument :
BNA_M
ClientSampleId :
OK-02-100721

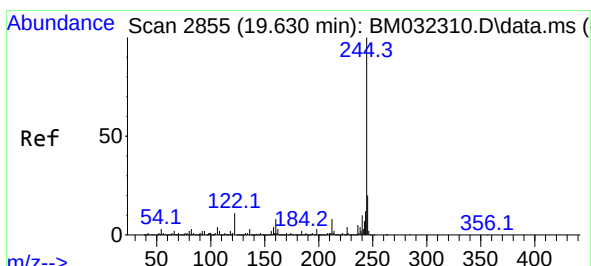
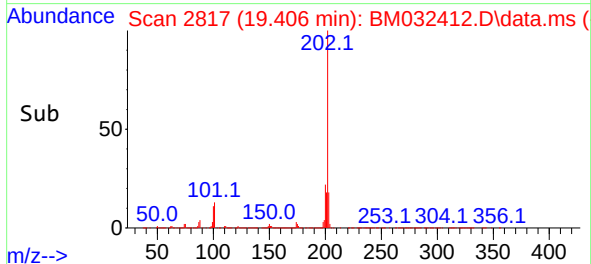
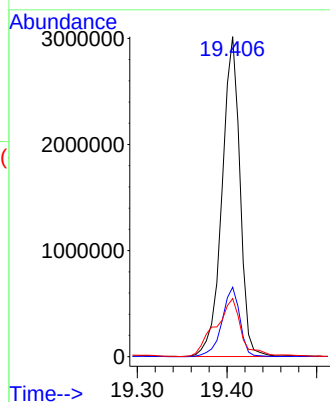


Tgt Ion:202 Resp: 4176128

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.6	25.0
203	18.1	13.7	20.5

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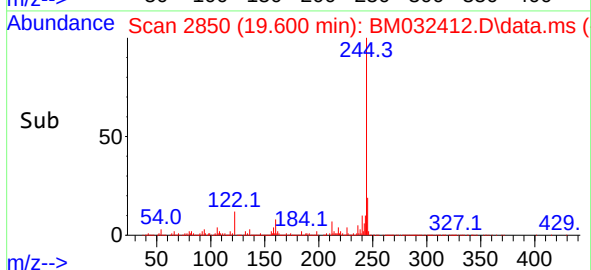
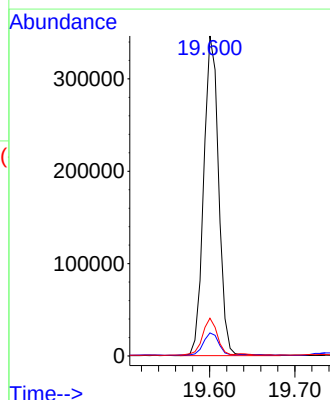
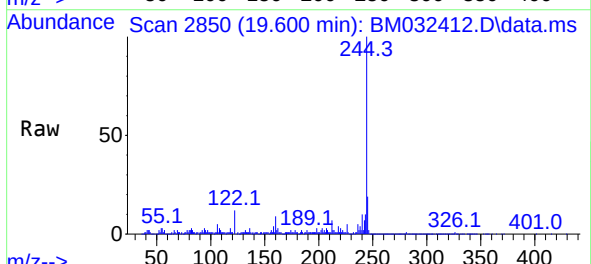
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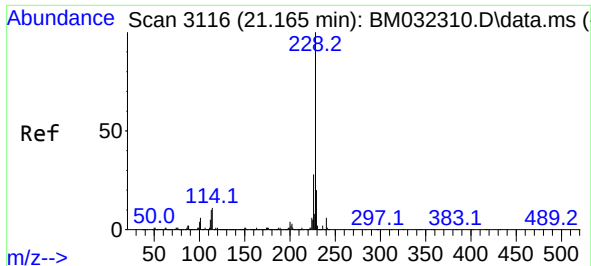


#79
Terphenyl-d14
Concen: 8.94 ng
RT: 19.600 min Scan# 2850
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Tgt Ion:244 Resp: 420406

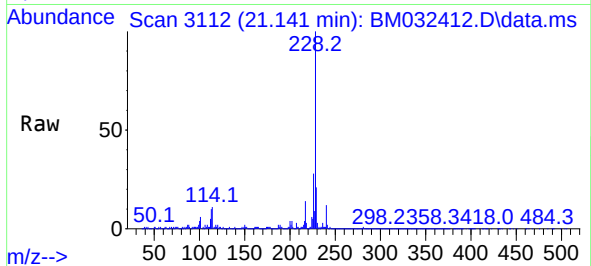
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.5	9.7
122	11.8	8.7	13.1





#81
Benzo(a)anthracene
Concen: 32.37 ng
RT: 21.141 min Scan# 3112
Delta R.T. -0.000 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

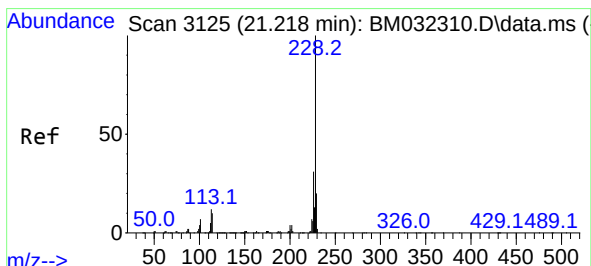
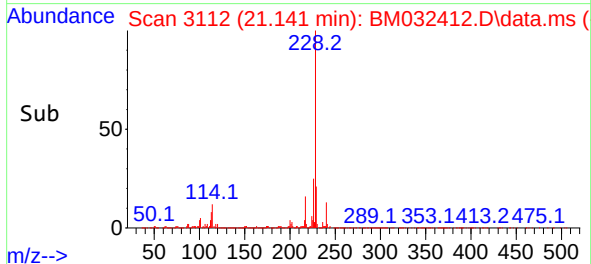
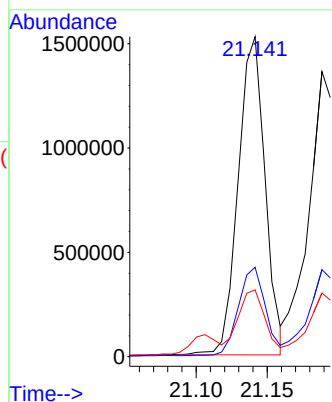
Instrument :
BNA_M
ClientSampleId :
OK-02-100721



Tgt Ion:228 Resp: 2003393
Ion Ratio Lower Upper
228 100
226 27.9 21.4 32.2
229 20.9 15.3 22.9

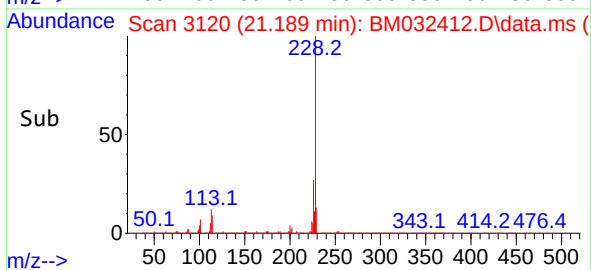
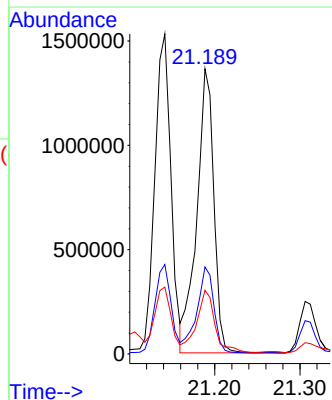
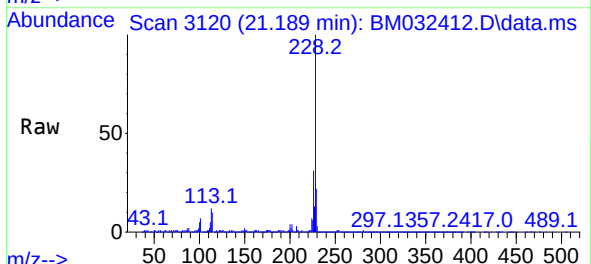
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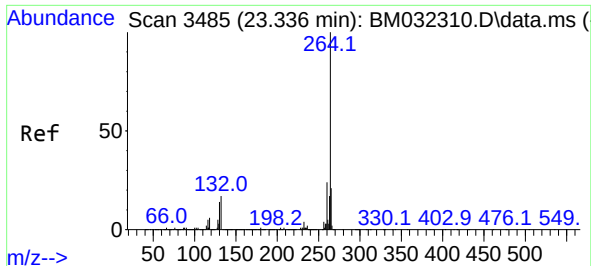
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#83
Chrysene
Concen: 31.60 ng
RT: 21.189 min Scan# 3120
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

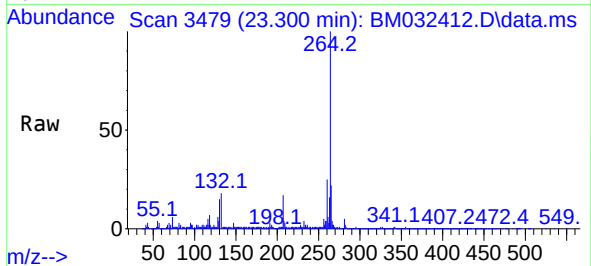
Tgt Ion:228 Resp: 1892335
Ion Ratio Lower Upper
228 100
226 30.6 24.0 36.0
229 22.4 16.0 24.0





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.300 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Instrument :
BNA_M
ClientSampleId :
OK-02-100721

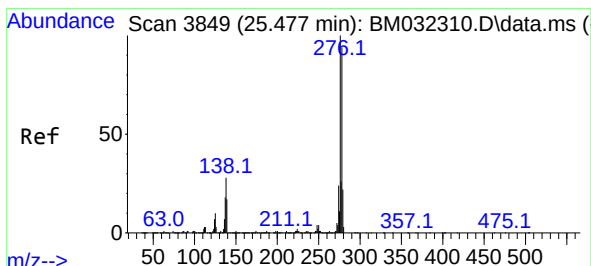
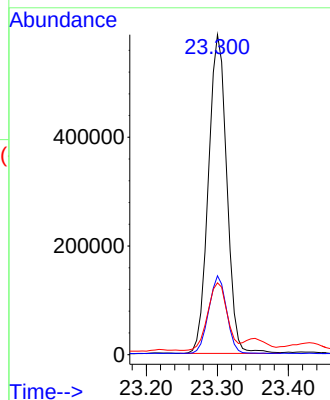
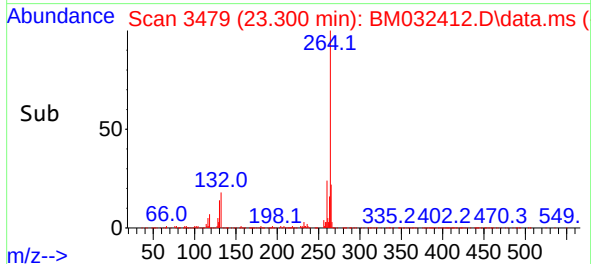


Tgt Ion:264 Resp: 1054212

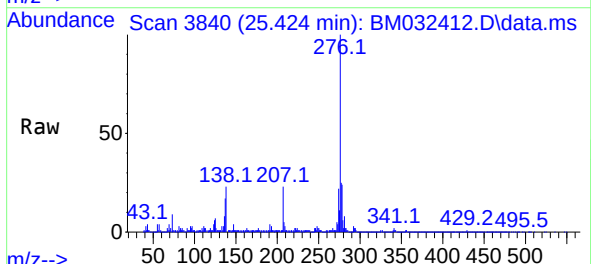
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.3	28.9
265	22.4	18.3	27.5

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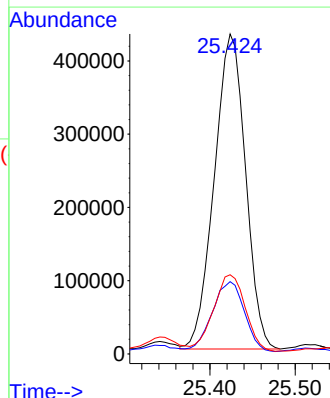
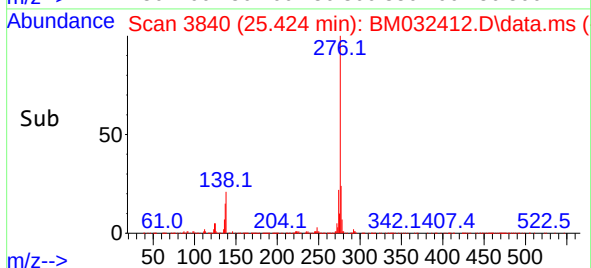


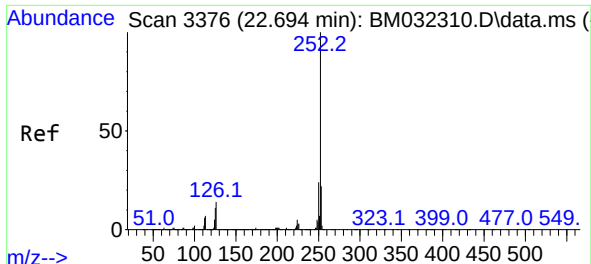
#87
Indeno(1,2,3-cd)pyrene
Concen: 16.87 ng
RT: 25.424 min Scan# 3840
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36



Tgt Ion:276 Resp: 1096170

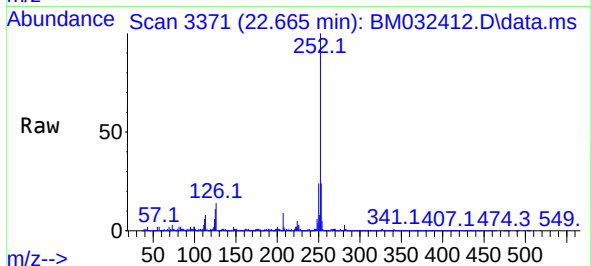
Ion	Ratio	Lower	Upper
276	100		
138	22.8	18.4	27.6
277	24.5	20.1	30.1





#88
Benzo(b)fluoranthene
Concen: 35.08 ng m
RT: 22.665 min Scan# 3371
Delta R.T. -0.000 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

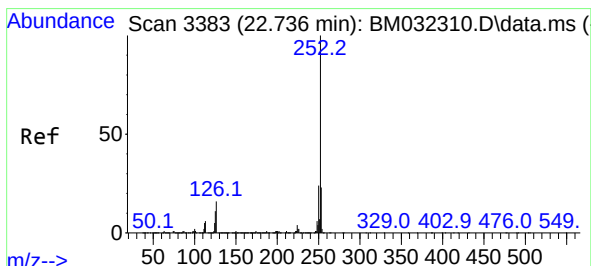
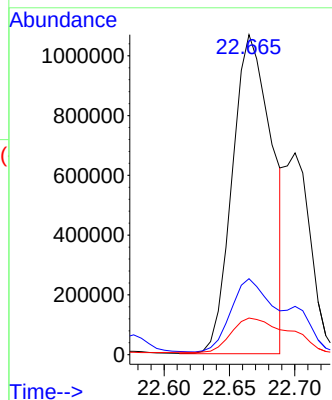
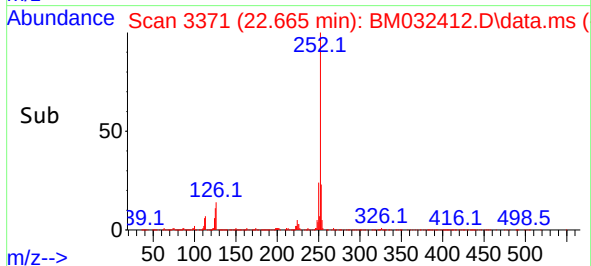
Instrument :
BNA_M
ClientSampleId :
OK-02-100721



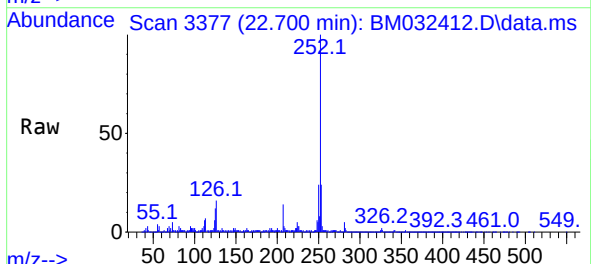
Tgt Ion:252 Resp: 2249565
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 11.5 7.5 11.3#

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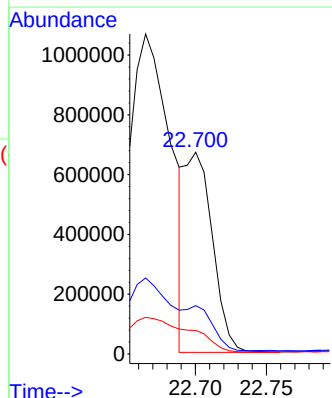
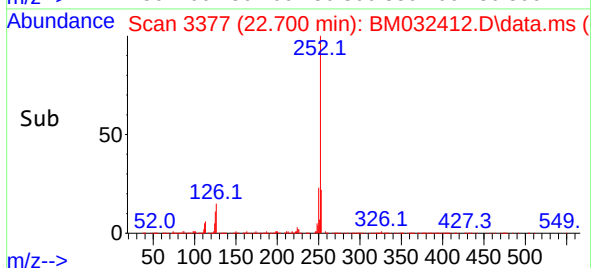
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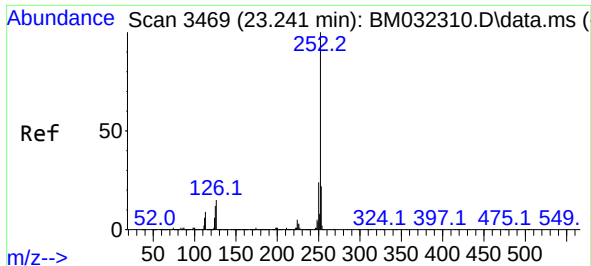


#89
Benzo(k)fluoranthene
Concen: 14.35 ng m
RT: 22.700 min Scan# 3377
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36



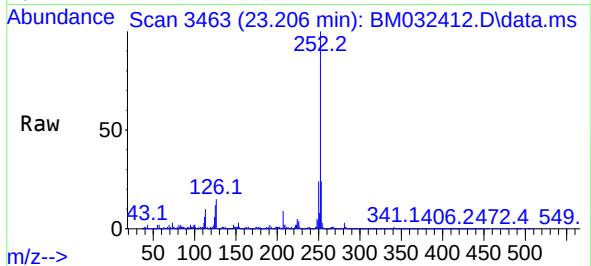
Tgt Ion:252 Resp: 898981
Ion Ratio Lower Upper
252 100
253 24.0 17.3 25.9
125 11.7 7.5 11.3#





#90
Benzo(a)pyrene
Concen: 33.73 ng
RT: 23.206 min Scan# 3463
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

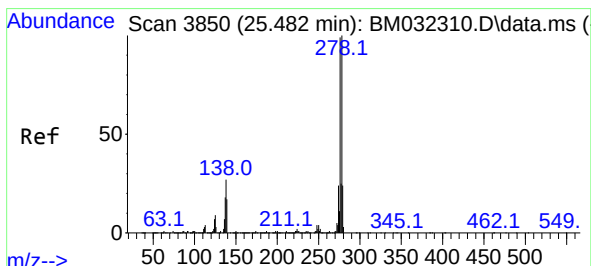
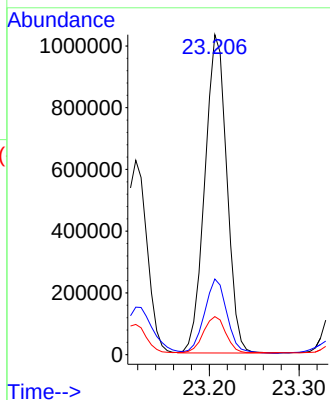
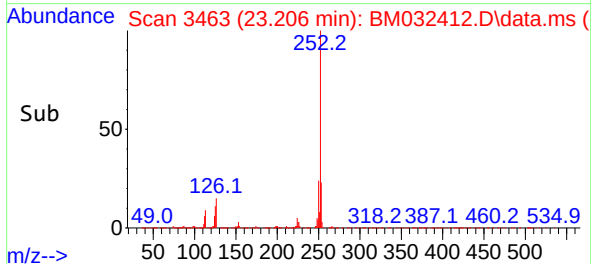
Instrument :
BNA_M
ClientSampleId :
OK-02-100721



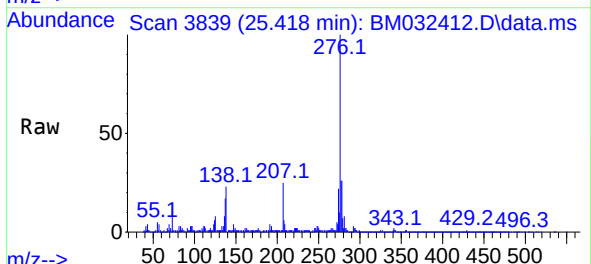
Tgt Ion:252 Resp: 1753875
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.2
125 11.9 8.1 12.1

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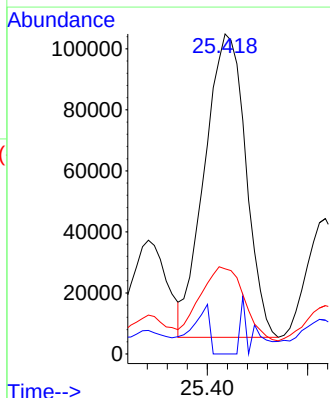
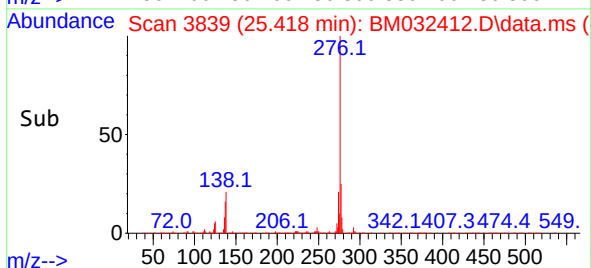
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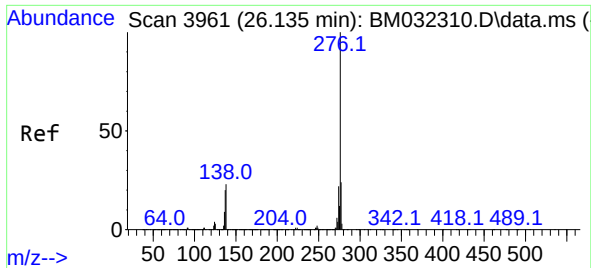


#91
Dibenzo(a,h)anthracene
Concen: 5.18 ng
RT: 25.418 min Scan# 3839
Delta R.T. -0.018 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

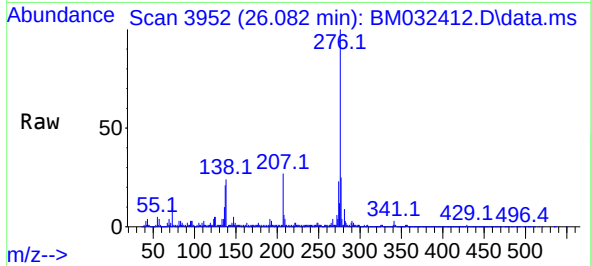


Tgt Ion:278 Resp: 283687
Ion Ratio Lower Upper
278 100
139 0.0 10.9 16.3#
279 26.6 18.2 27.2

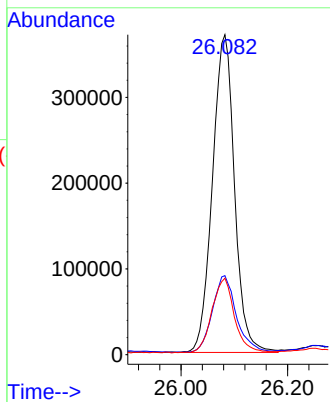
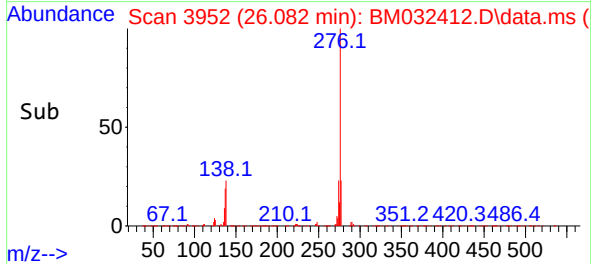




#92
Benzo(g,h,i)perylene
Concen: 19.68 ng
RT: 26.082 min Scan# 3952
Delta R.T. -0.000 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36



Tgt Ion: 276 Resp: 1065781
Ion Ratio Lower Upper
276 100
277 24.7 19.4 29.0
138 23.9 14.6 22.0#



Instrument :
BNA_M
ClientSampleId :
OK-02-100721

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