

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
 Data File : BM029722.D
 Acq On : 29 Apr 2021 23:03
 Operator : CG/JU
 Sample : M2109-01DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PE-1DL

Quant Time: Apr 30 01:09:29 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 29 17:34:54 2021
 Response via : Initial Calibration

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

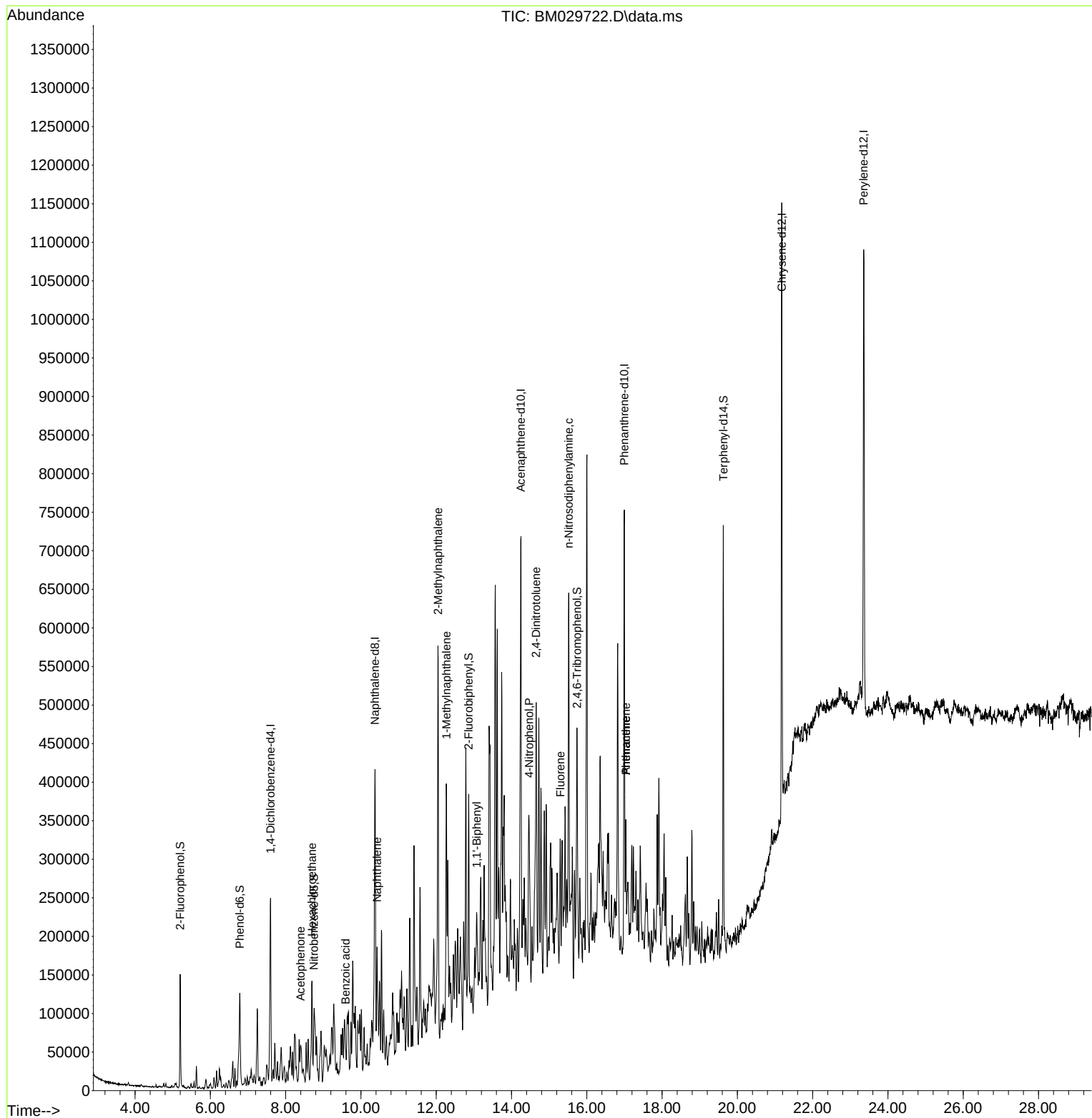
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.598	152	70640	20.00	ng	0.00
21) Naphthalene-d8	10.375	136	252061	20.00	ng	0.00
39) Acenaphthene-d10	14.251	164	167972	20.00	ng	0.00
64) Phenanthrene-d10	16.998	188	364253	20.00	ng	0.00
76) Chrysene-d12	21.180	240	404297	20.00	ng	0.00
86) Perylene-d12	23.356	264	433755	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.198	112	62790	18.53	ng	0.00
7) Phenol-d6	6.781	99	72579	15.78	ng	0.00
23) Nitrobenzene-d5	8.751	82	49668	11.39	ng	0.00
42) 2,4,6-Tribromophenol	15.745	330	38777	14.54	ng	0.00
45) 2-Fluorobiphenyl	12.863	172	159714	12.33	ng	0.00
79) Terphenyl-d14	19.627	244	256230	11.63	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	8.698	117	11430	6.35	ng	# 1
22) Acetophenone	8.398	105	26639	4.69	ng	# 58
31) Naphthalene	10.428	128	61246	4.75	ng	# 96
32) Benzoic acid	9.592	122	714	5.15	ng	# 1
37) 2-Methylnaphthalene	12.051	142	234153	23.62	ng	98
38) 1-Methylnaphthalene	12.269	142	142395	15.08	ng	97
46) 1,1'-Biphenyl	13.074	154	39435	3.11	ng	96
56) 4-Nitrophenol	14.468	139	10053	5.38	ng	# 41
57) 2,4-Dinitrotoluene	14.657	165	7980	2.11	ng	# 63
58) Fluorene	15.298	166	28913	2.18	ng	# 83
66) n-Nitrosodiphenylamine	15.521	169	47076	4.35	ng	# 48
71) Phenanthrene	17.039	178	109552	5.34	ng	96
72) Anthracene	17.039	178	109552	5.38	ng	97

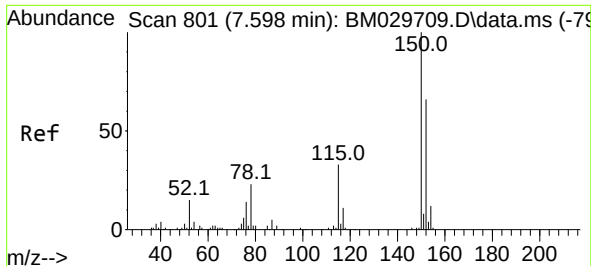
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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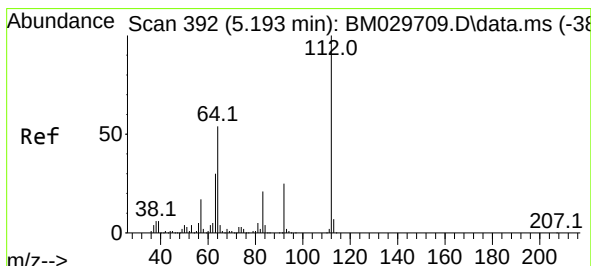
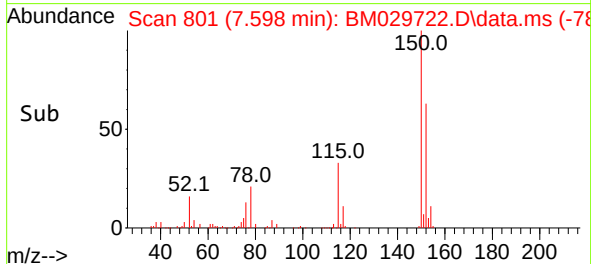
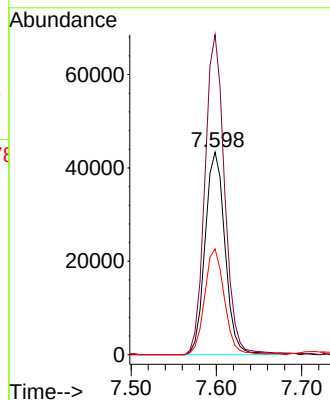
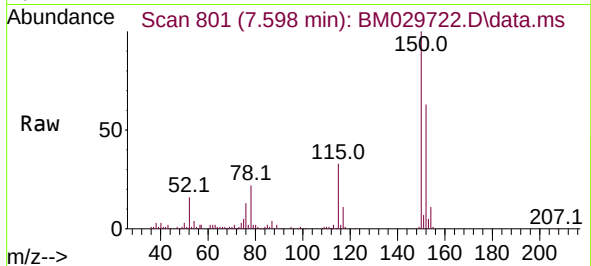




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.598 min Scan# 801
Delta R.T. 0.000 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

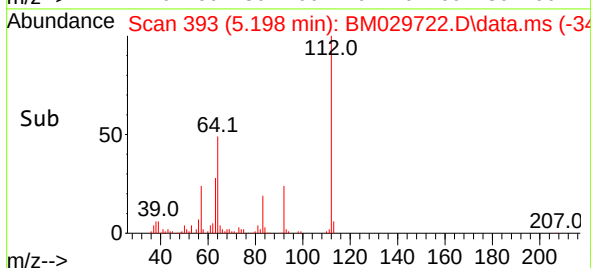
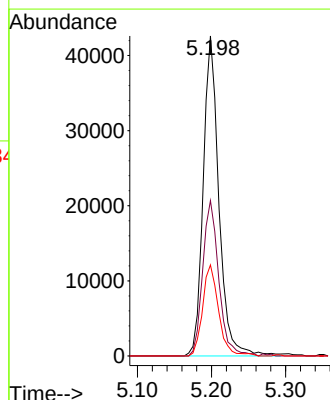
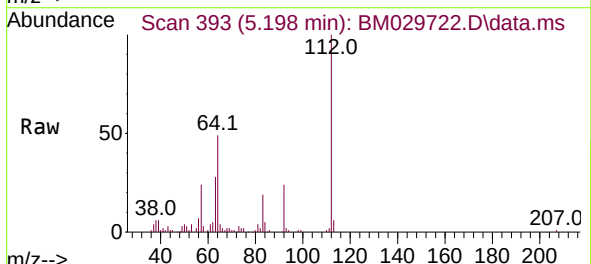
Instrument :
BNA_M
ClientSampleId :
PE-1DL

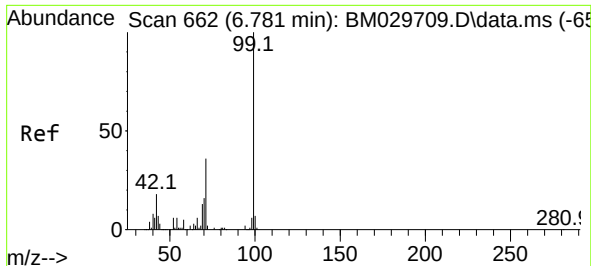
Tgt Ion:152 Resp: 70640
Ion Ratio Lower Upper
152 100
150 158.0 125.9 188.9
115 52.2 44.6 67.0



#5
2-Fluorophenol
Concen: 18.53 ng
RT: 5.198 min Scan# 393
Delta R.T. 0.006 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

Tgt Ion:112 Resp: 62790
Ion Ratio Lower Upper
112 100
64 48.6 47.1 70.7
63 28.4 27.3 40.9

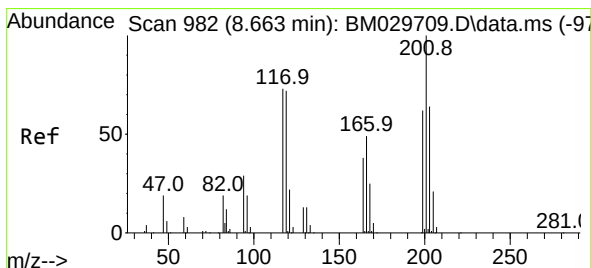
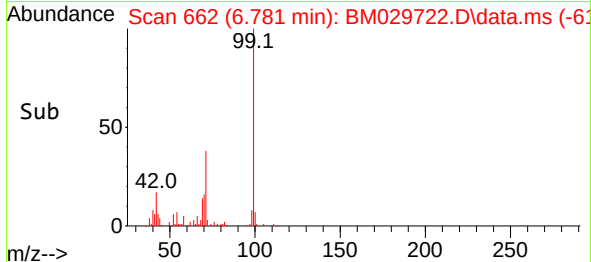
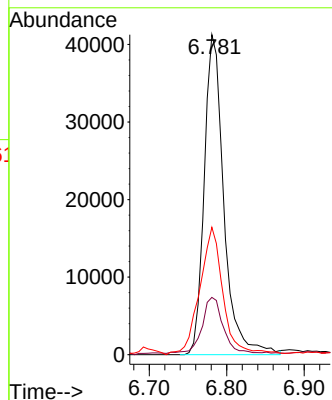
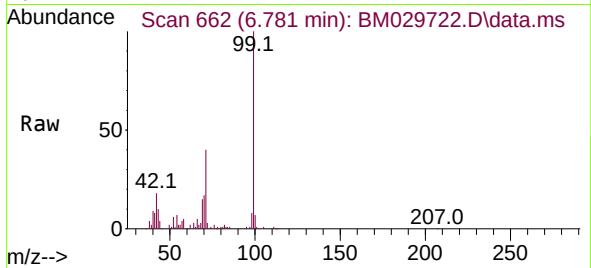




#7
Phenol-d6
Concen: 15.78 ng
RT: 6.781 min Scan# 662
Delta R.T. 0.000 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

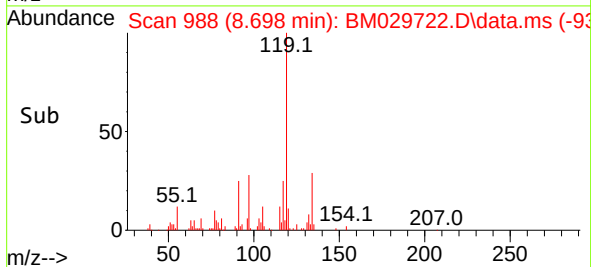
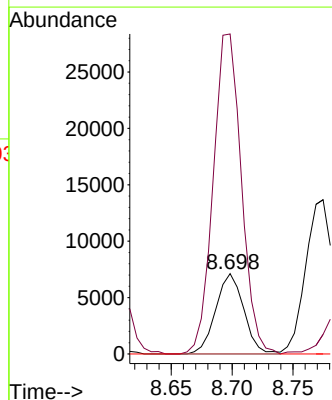
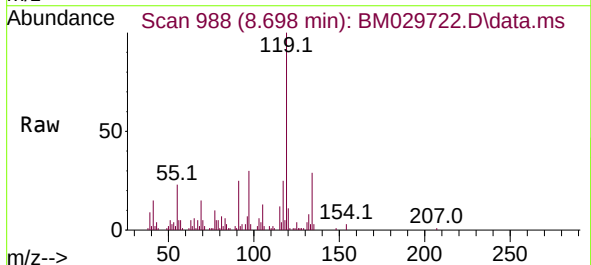
Instrument :
BNA_M
ClientSampleId :
PE-1DL

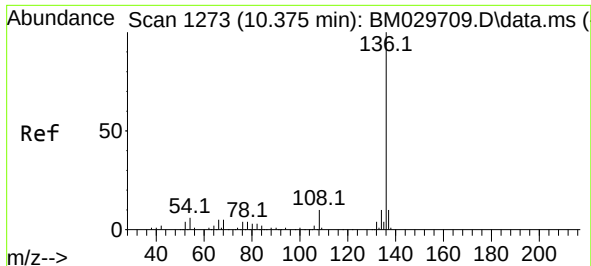
Tgt Ion: 99 Resp: 72579
Ion Ratio Lower Upper
99 100
42 17.9 18.0 27.0#
71 39.8 30.9 46.3



#18
Hexachloroethane
Concen: 6.35 ng
RT: 8.698 min Scan# 988
Delta R.T. 0.035 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

Tgt Ion: 117 Resp: 11430
Ion Ratio Lower Upper
117 100
119 398.3 76.2 114.2#
201 0.0 89.8 134.6#

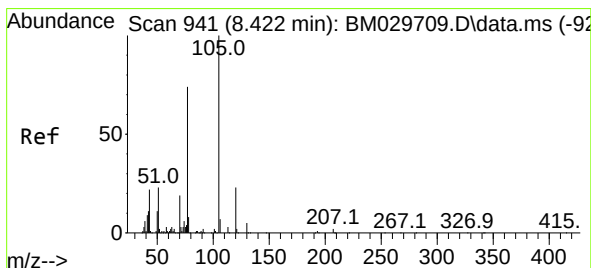
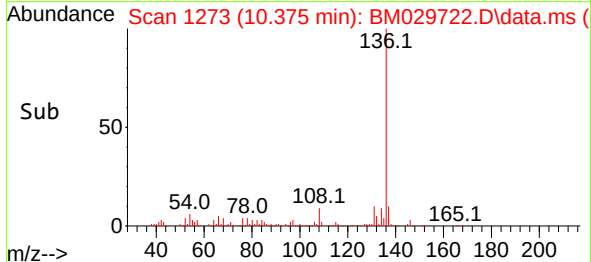
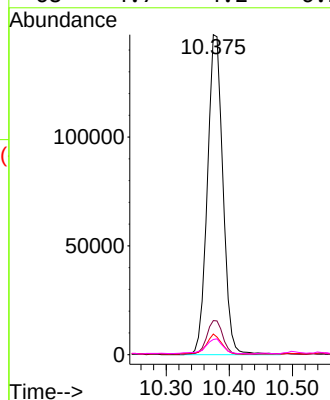
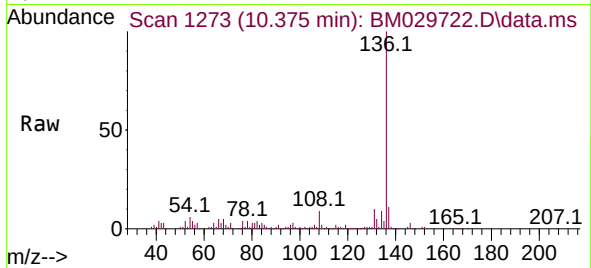




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.375 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

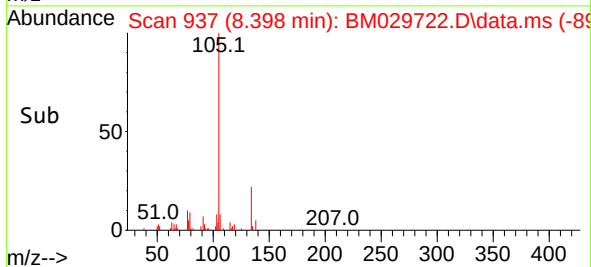
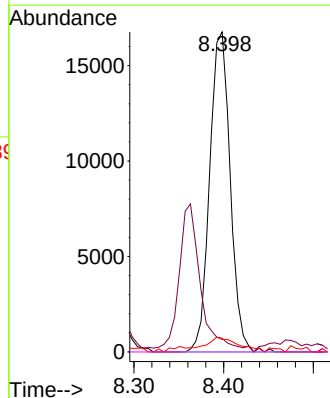
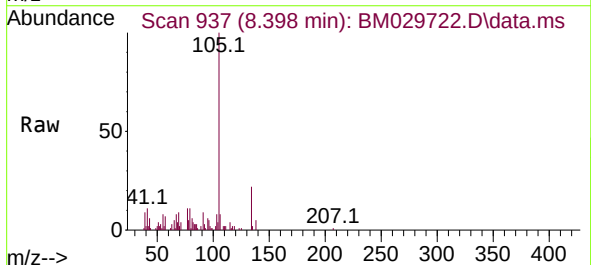
Instrument :
BNA_M
ClientSampleId :
PE-1DL

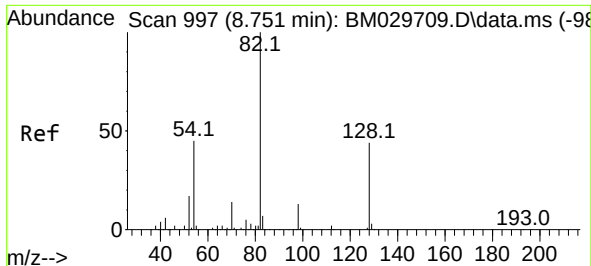
Tgt Ion:	136	Resp:	252061
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	6.4	5.5	8.3
68	4.7	4.2	6.2



#22
Acetophenone
Concen: 4.69 ng
RT: 8.398 min Scan# 937
Delta R.T. -0.023 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

Tgt Ion:	105	Resp:	26639
Ion	Ratio	Lower	Upper
105	100		
71	4.3	3.4	5.0
51	3.9	22.2	33.4#
120	0.0	17.6	26.4#

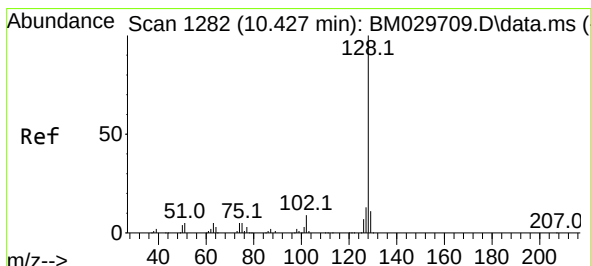
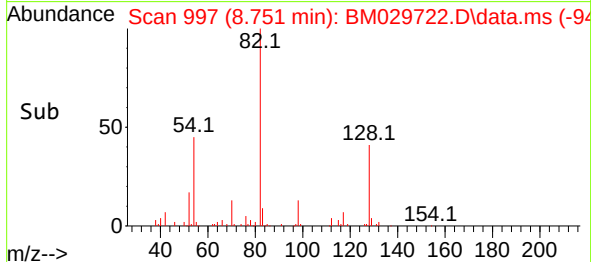
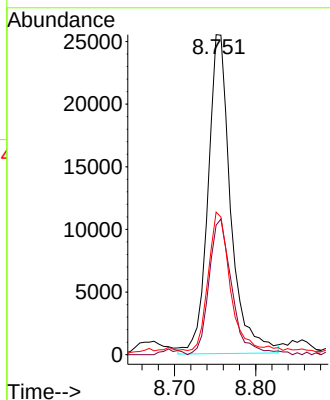
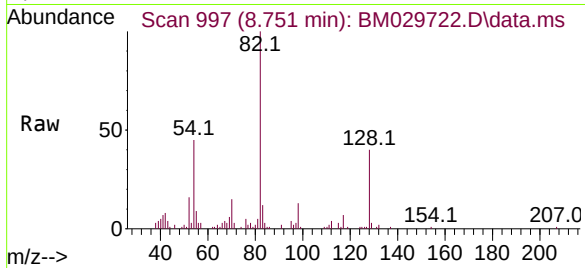




#23
Nitrobenzene-d5
Concen: 11.39 ng
RT: 8.751 min Scan# 997
Delta R.T. 0.000 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

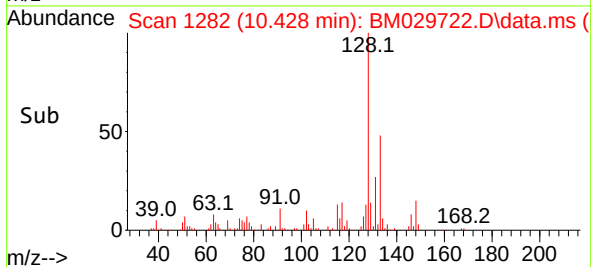
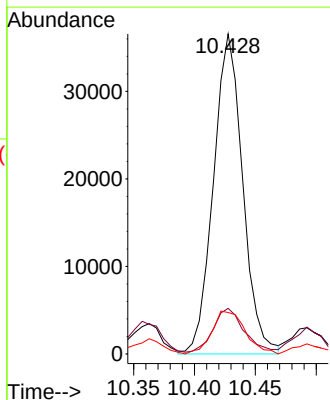
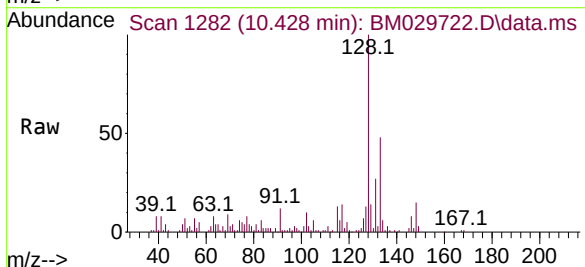
Instrument :
BNA_M
ClientSampleId :
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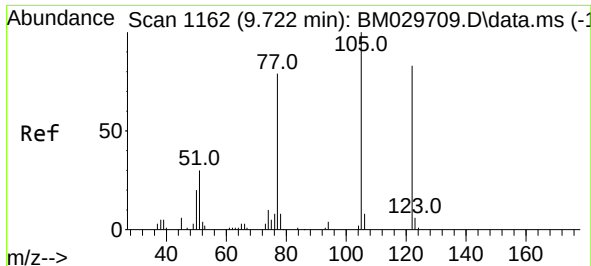
Tgt Ion: 82 Resp: 49668
Ion Ratio Lower Upper
82 100
128 40.5 31.1 46.7
54 44.6 37.3 55.9



#31
Naphthalene
Concen: 4.75 ng
RT: 10.428 min Scan# 1282
Delta R.T. 0.000 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

Tgt Ion: 128 Resp: 61246
Ion Ratio Lower Upper
128 100
129 14.3 9.0 13.6#
127 12.9 10.8 16.2

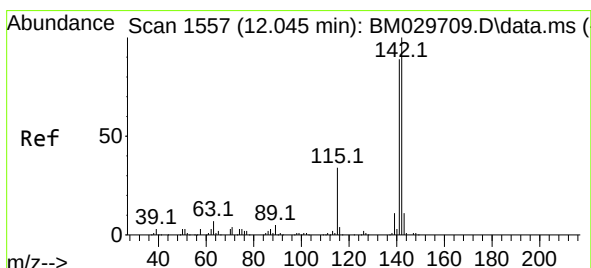
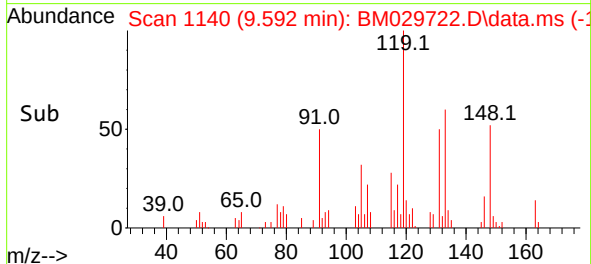
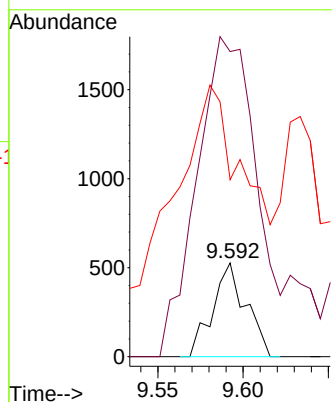
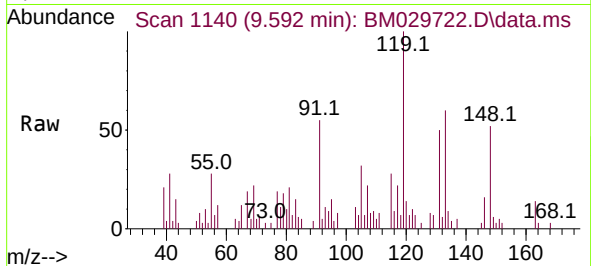




#32
Benzoic acid
Concen: 5.15 ng
RT: 9.592 min Scan# 1140
Delta R.T. -0.130 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

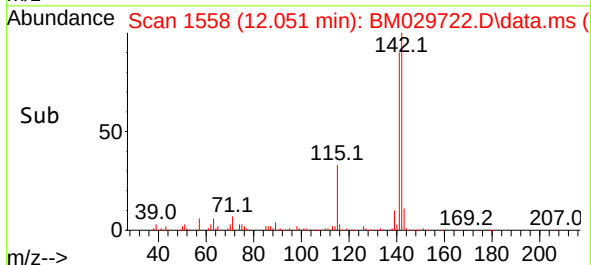
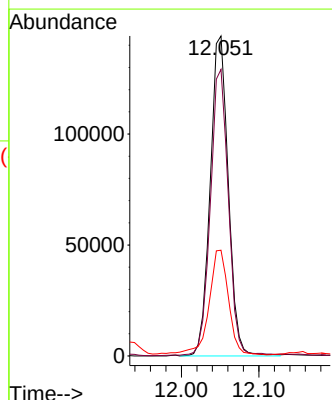
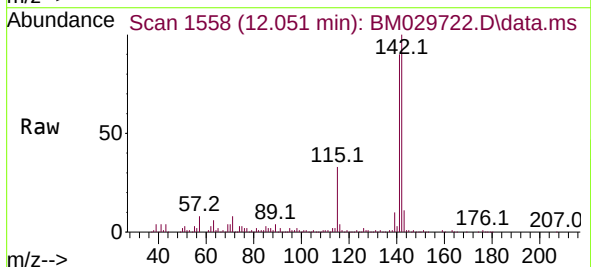
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ClientSampleId :
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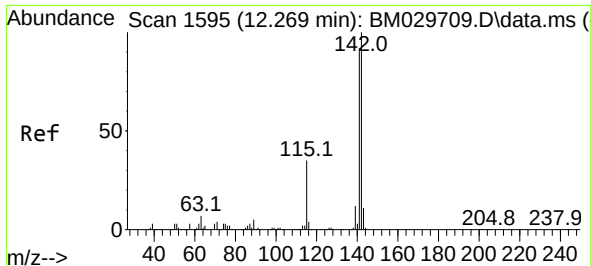
Tgt Ion:122 Resp: 714
Ion Ratio Lower Upper
122 100
105 325.2 107.3 147.3#
77 188.6 88.0 128.0#



#37
2-Methylnaphthalene
Concen: 23.62 ng
RT: 12.051 min Scan# 1558
Delta R.T. 0.006 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

Tgt Ion:142 Resp: 234153
Ion Ratio Lower Upper
142 100
141 89.6 71.7 107.5
115 33.1 29.1 43.7

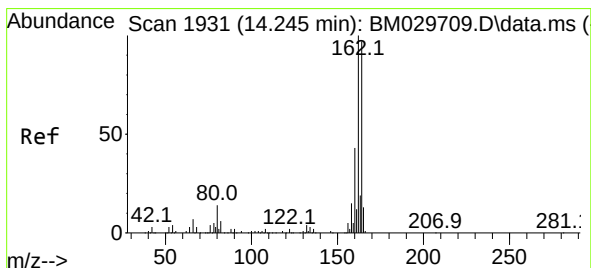
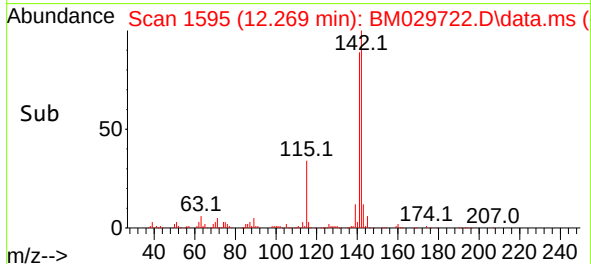
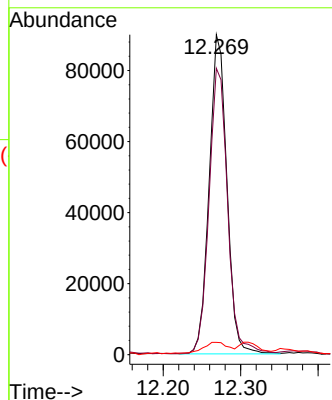
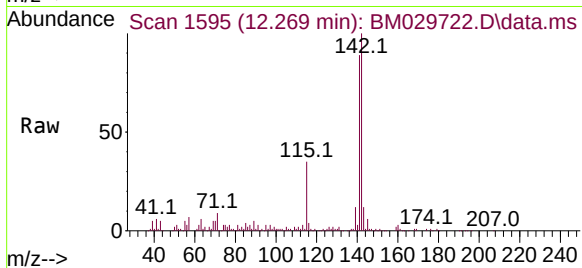




#38
1-Methylnaphthalene
Concen: 15.08 ng
RT: 12.269 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

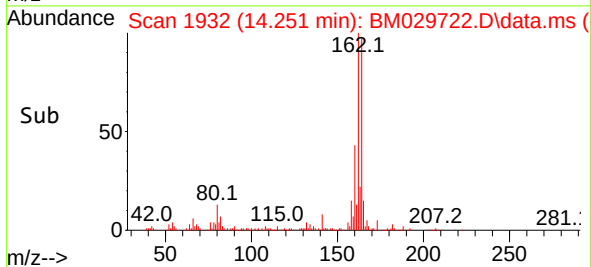
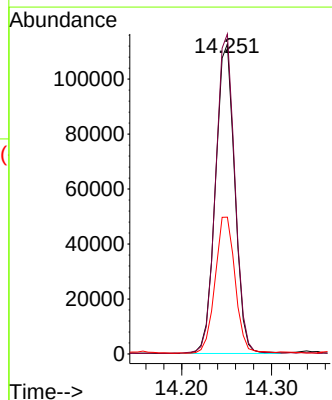
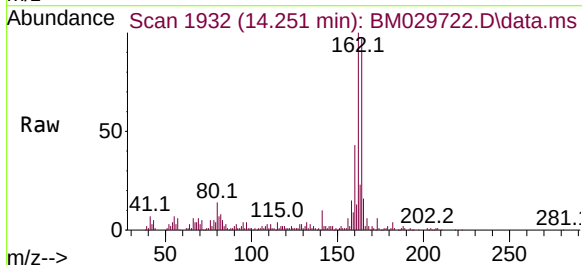
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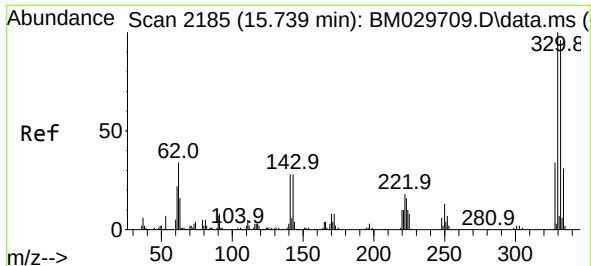
Tgt Ion:142 Resp: 142395
Ion Ratio Lower Upper
142 100
141 89.5 74.2 111.4
116 3.9 3.0 4.6



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.251 min Scan# 1932
Delta R.T. 0.006 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

Tgt Ion:164 Resp: 167972
Ion Ratio Lower Upper
164 100
162 103.3 83.4 125.0
160 44.1 37.2 55.8

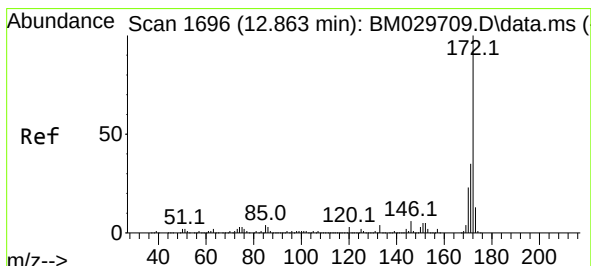
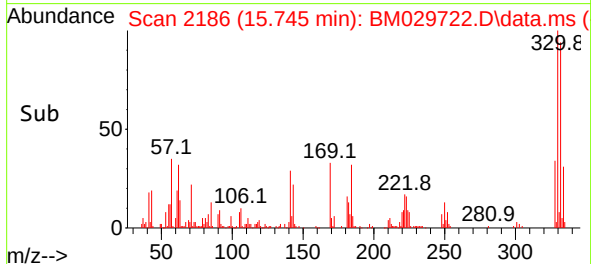
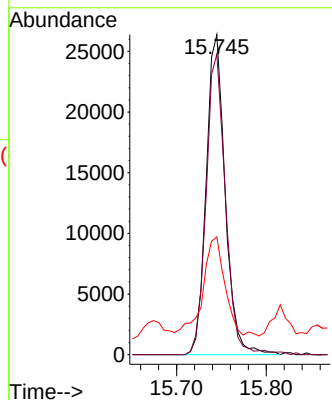
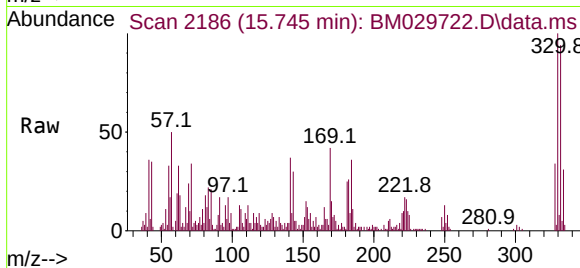




#42
2,4,6-Tribromophenol
Concen: 14.54 ng
RT: 15.745 min Scan# 2186
Delta R.T. 0.006 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

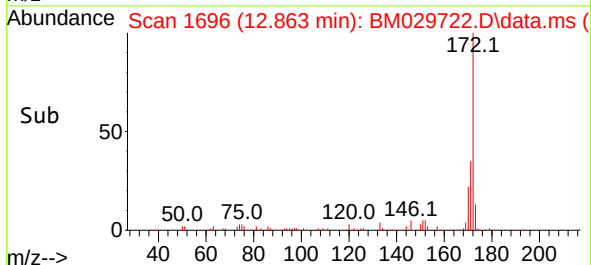
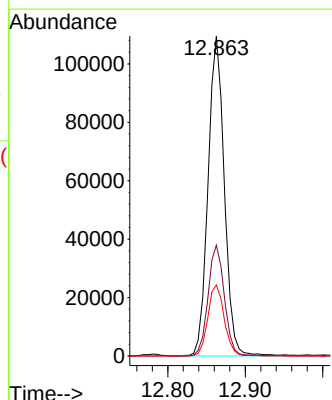
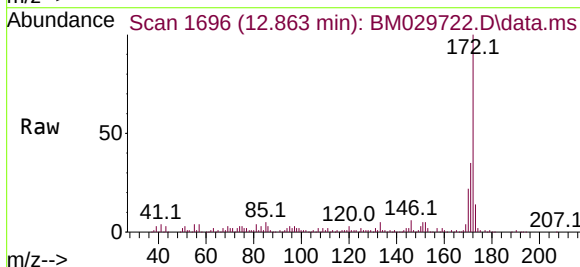
Instrument :
BNA_M
ClientSampled :
PE-1DL

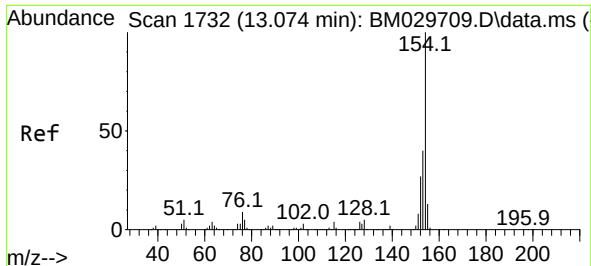
Tgt Ion:330 Resp: 38777
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.4
141 36.1 30.2 45.2



#45
2-Fluorobiphenyl
Concen: 12.33 ng
RT: 12.863 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

Tgt Ion:172 Resp: 159714
Ion Ratio Lower Upper
172 100
171 34.6 28.6 43.0
170 22.1 18.4 27.6

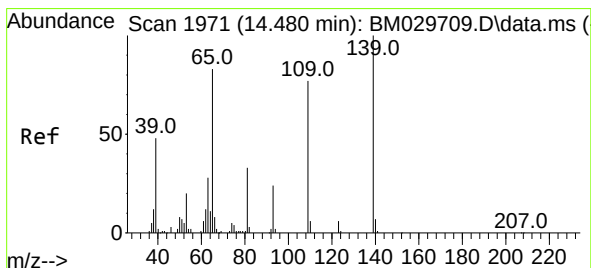
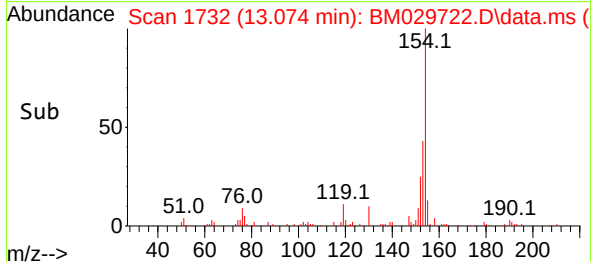
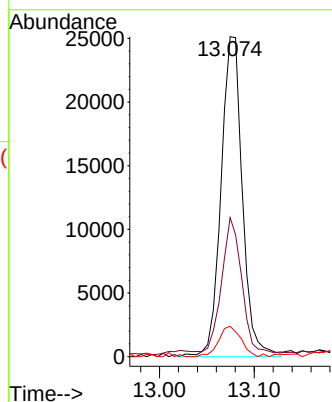
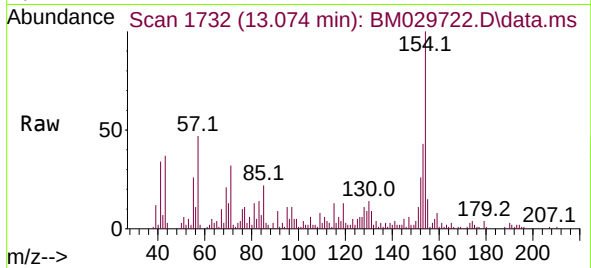




#46
1,1'-Biphenyl
Concen: 3.11 ng
RT: 13.074 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

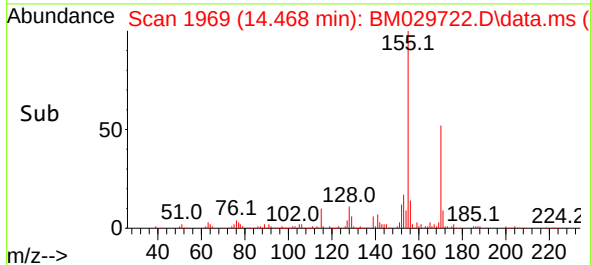
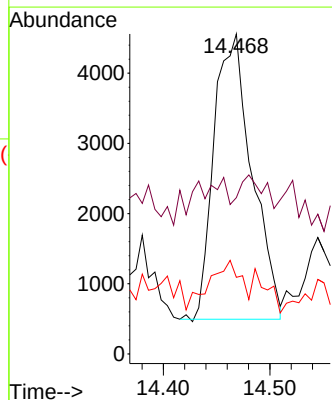
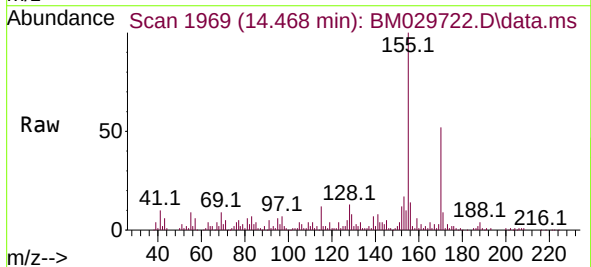
Instrument :
BNA_M
ClientSampled :
PE-1DL

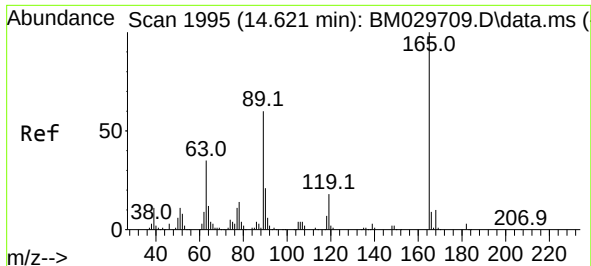
Tgt Ion:154 Resp: 39435
Ion Ratio Lower Upper
154 100
153 43.5 20.7 60.7
76 9.5 0.0 31.0



#56
4-Nitrophenol
Concen: 5.38 ng
RT: 14.468 min Scan# 1969
Delta R.T. -0.012 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

Tgt Ion:139 Resp: 10053
Ion Ratio Lower Upper
139 100
109 48.9 64.5 104.5#
65 23.9 78.9 118.9#

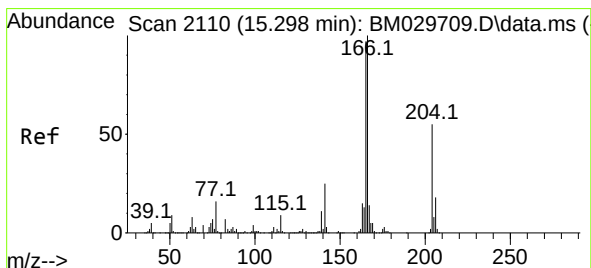
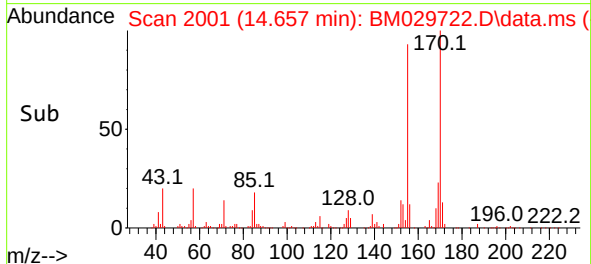
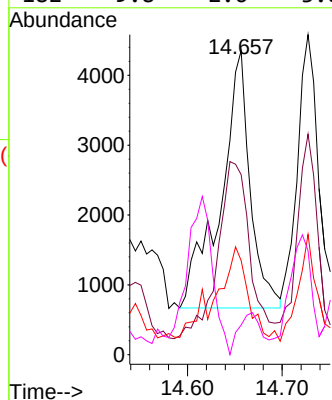
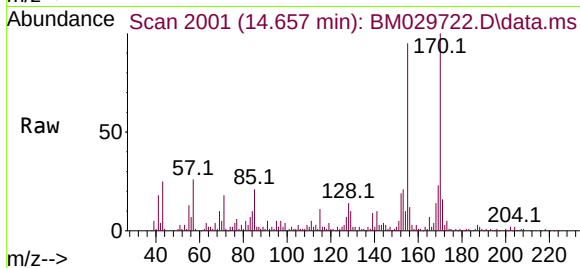




#57
2,4-Dinitrotoluene
Concen: 2.11 ng
RT: 14.657 min Scan# 2001
Delta R.T. 0.035 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

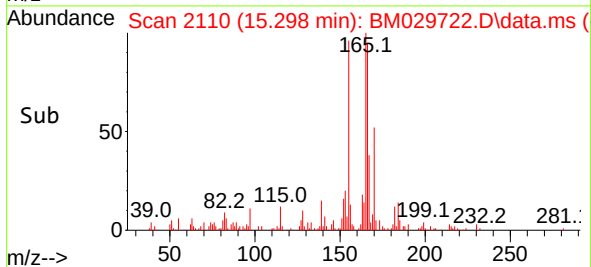
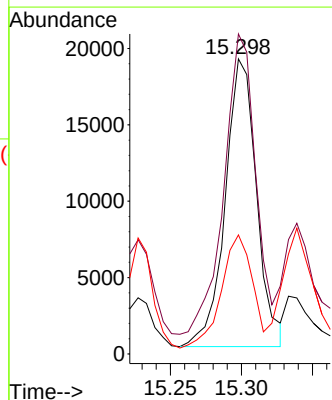
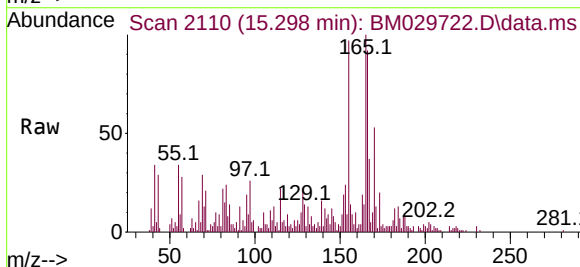
Instrument :
BNA_M
ClientSampleId :
PE-1DL

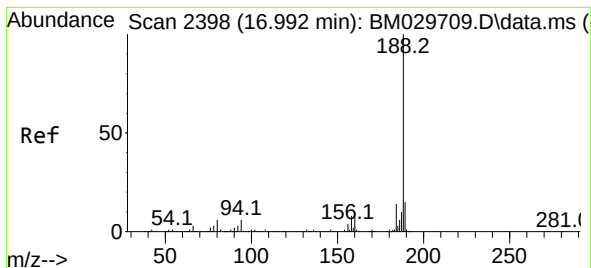
Tgt Ion:165	Resp:	7980
Ion Ratio	Lower	Upper
165	100	
63	59.2	35.0 52.4#
89	30.9	55.2 82.8#
182	9.8	2.6 3.8#



#58
Fluorene
Concen: 2.18 ng
RT: 15.298 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

Tgt Ion:166	Resp:	28913
Ion Ratio	Lower	Upper
166	100	
165	108.4	79.0 118.6
167	40.3	10.8 16.2#

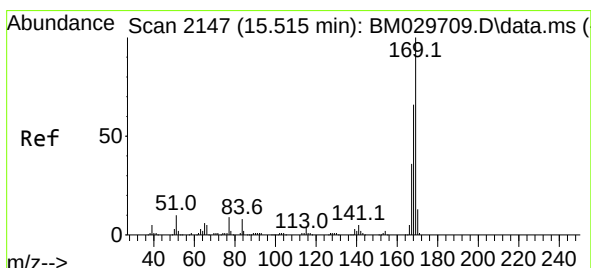
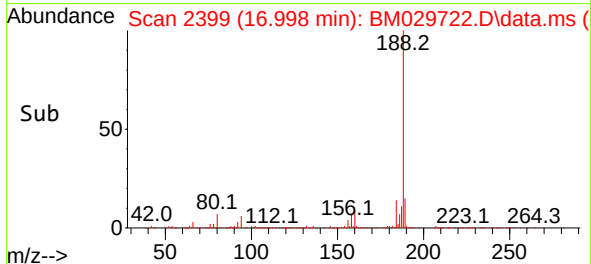
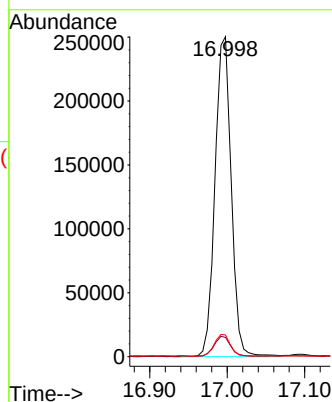
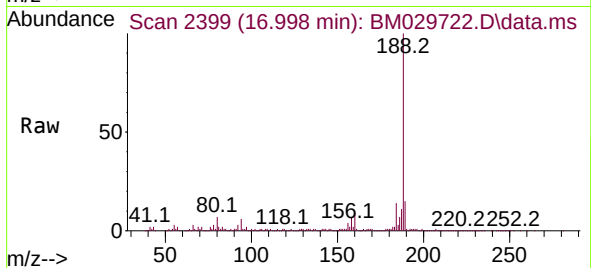




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.998 min Scan# 2399
Delta R.T. 0.006 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

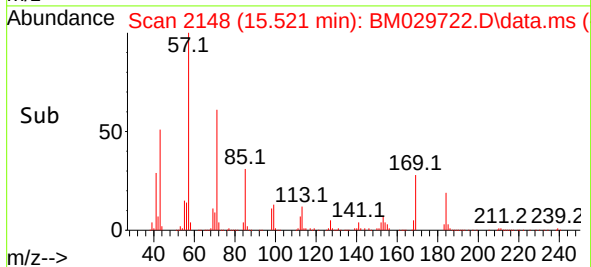
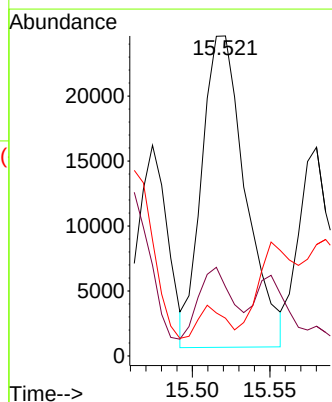
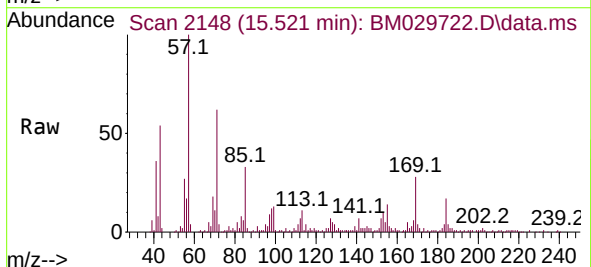
Instrument :
BNA_M
ClientSampleId :
PE-1DL

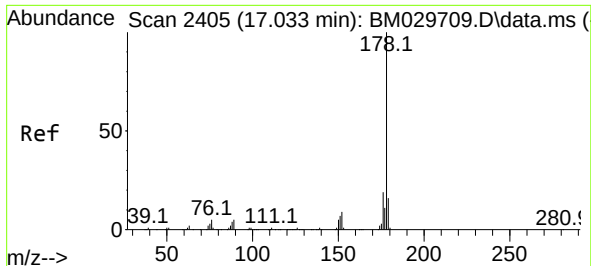
Tgt Ion:188 Resp: 364253
Ion Ratio Lower Upper
188 100
94 6.1 6.0 9.0
80 6.8 6.6 9.8



#66
n-Nitrosodiphenylamine
Concen: 4.35 ng
RT: 15.521 min Scan# 2148
Delta R.T. 0.006 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

Tgt Ion:169 Resp: 47076
Ion Ratio Lower Upper
169 100
168 21.6 54.2 81.2#
167 11.8 29.0 43.6#

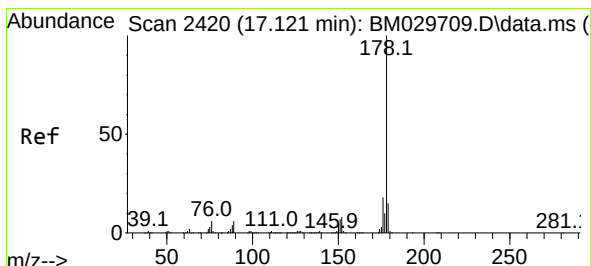
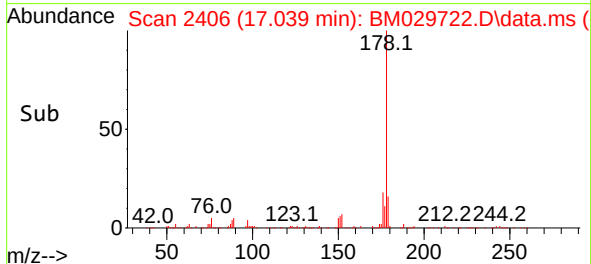
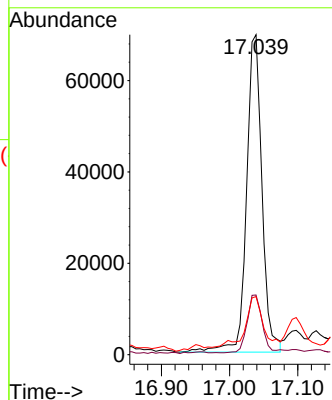
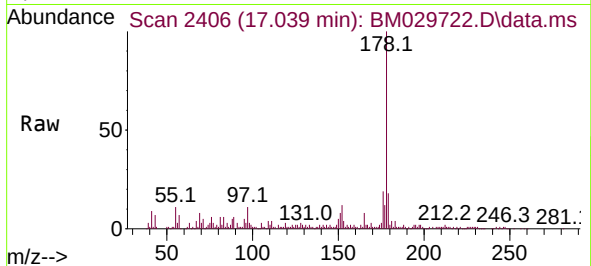




#71
Phenanthrene
Concen: 5.34 ng
RT: 17.039 min Scan# 2406
Delta R.T. 0.006 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

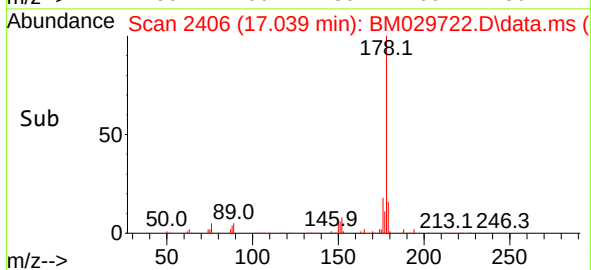
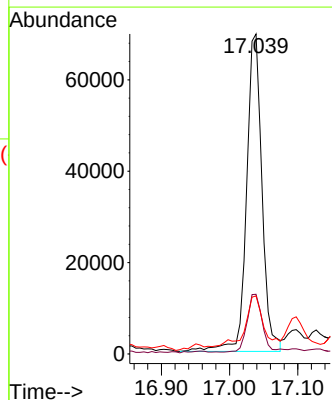
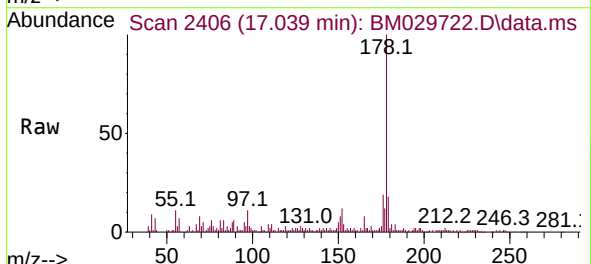
Instrument :
BNA_M
ClientSampled :
PE-1DL

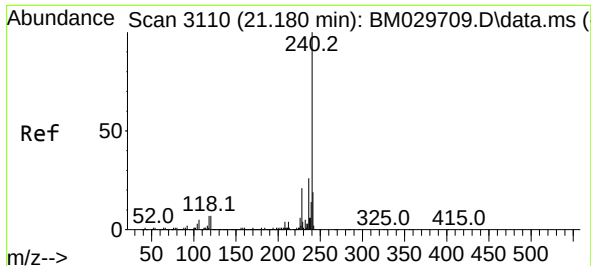
Tgt Ion:178 Resp: 109552
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 18.2 12.2 18.4



#72
Anthracene
Concen: 5.38 ng
RT: 17.039 min Scan# 2406
Delta R.T. -0.082 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

Tgt Ion:178 Resp: 109552
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 18.2 12.5 18.7

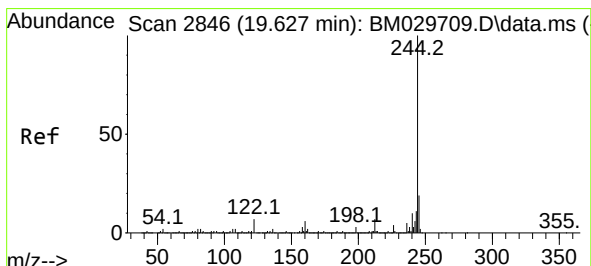
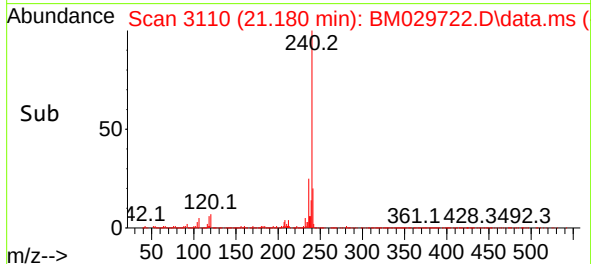
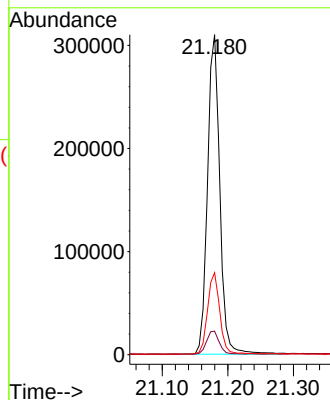
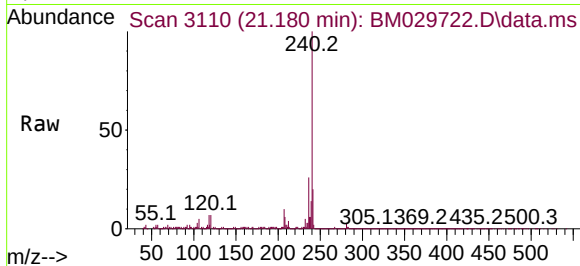




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.180 min Scan# 3110
Delta R.T. 0.000 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

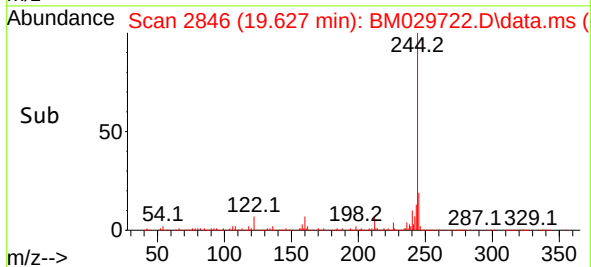
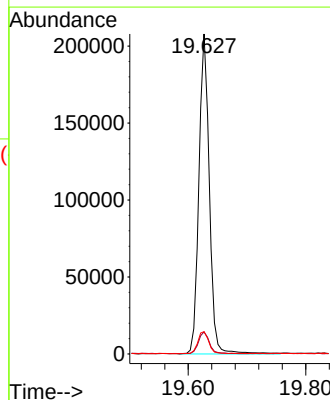
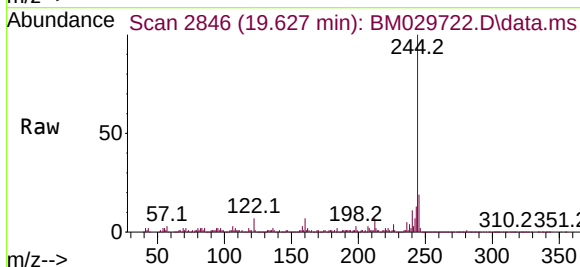
Instrument :
BNA_M
ClientSampled :
PE-1DL

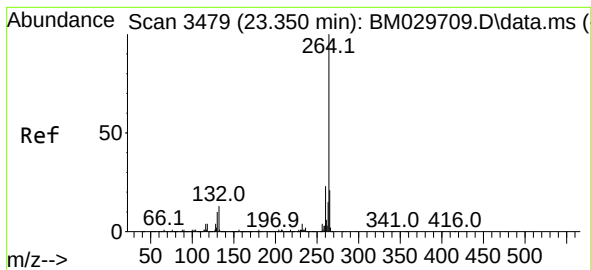
Tgt Ion:240 Resp: 404297
Ion Ratio Lower Upper
240 100
120 7.4 7.0 10.6
236 25.6 21.0 31.4



#79
Terphenyl-d14
Concen: 11.63 ng
RT: 19.627 min Scan# 2846
Delta R.T. 0.000 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

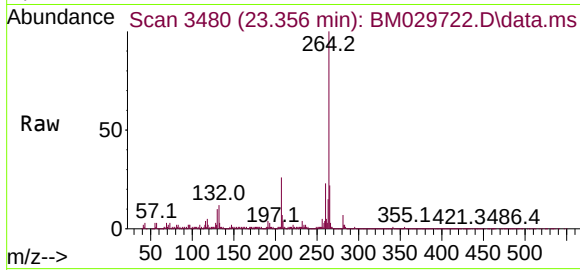
Tgt Ion:244 Resp: 256230
Ion Ratio Lower Upper
244 100
212 6.9 6.3 9.5
122 7.0 6.9 10.3





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.356 min Scan# 3480
Delta R.T. 0.006 min
Lab File: BM029722.D
Acq: 29 Apr 2021 23:03

Instrument :
BNA_M
ClientSampleId :
PE-1DL



Tgt Ion:264 Resp: 433755

Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.8	29.8
265	21.8	17.7	26.5

